



FCC TEST REPORT

FCC ID: 2ATPH-JNET2-OD

On Behalf of

Juganu LTD

CAP OUTDOOR

Model No.: JCP-JNET1-915-JNET2-OD

Prepared for : Juganu LTD
Address : 1 Yahadut Canada 1A, terminal center, building A, 2nd Floor, Or
Yehuda, Israel


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 : A2209211-C02-R02
Date of Receipt : September 23, 2022
Date of Test : October 18, 2022-November 15, 2022
Date of Report : November 16, 2022
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TEST REPORT DECLARATION

Applicant : Juganu LTD
 Address : 1 Yahadut Canada 1A, terminal center, building A, 2nd Floor, Or Yehuda, Israel
 Manufacturer : Juganu LTD
 Address : 1 Yahadut Canada 1A, terminal center, building A, 2nd Floor, Or Yehuda, Israel
 EUT Description : CAP OUTDOOR
 (A) Model No. : JCP-JNET1-915-JNET2-OD
 (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 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).....:	Lucas Pang Project Engineer	 -----
Approved by (name + signature).....:	Jack Xu Project Manager	 -----
Date of issue.....:	November 16, 2022	

Revision History

Revision	Issue Date	Revisions	Revised By
V0	November 16, 2022	Initial released Issue	Lucas Pang

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. Decision rules for the conclusion of this test report: decision 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 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 : CAP OUTDOOR

Trademark : 

Model No. : JCP-JNET1-915-JNET2-OD

DIFF. : N/A

Power supply : AC 120V/60Hz

Radio Technology : 5G WIFI

Operation Frequency : 802.11a/n(HT20)/ac(HT20): 5180~5240MHz
802.11n(HT40)/ac(HT40): 5190~5230MHz
802.11ac(HT80): 5210MHz

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 : OMNI Antenna, max gain 10dBi
Antenna information is provided by applicant.

Software version : V1.0

Hardware version : V1.0

Intend use environment : Residential, commercial and light industrial environment

Remark 1: The product only use the IEEE 802.11 ac/n MIMO technology, and it's has two 5G wifi module inside, every module has 4 ports MIMO.

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 : /
Manufacturer : /
Model : /
Ratings : /

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	2022.08.22	1 Year
Spectrum analyzer	Agilent	N9020A	A.14.16	MY499100060	2022.08.22	1 Year
Receiver	ROHDE&SCHWARZ	ESR	2.28 SP1	1316.3003K03-102082-Wa	2022.08.22	1 Year
Receiver	R&S	ESCI	4.42 SP1	101165	2022.08.22	1 Year
Bilog Antenna	Schwarzbeck	VULB 9168	/	VULB 9168#627	2021.08.30	2Year
Horn Antenna	SCHWARZBECK	BBHA 9120 D	/	2106	2021.08.30	2Year
Active Loop Antenna	SCHWARZBECK	FMZB 1519B	/	00059	2021.08.30	2Year
RF Cable	Resenberger	Cable 1	/	RE1	2022.08.22	1 Year
RF Cable	Resenberger	Cable 2	/	RE2	2022.08.22	1 Year
RF Cable	Resenberger	Cable 3	/	CE1	2022.08.22	1 Year
Pre-amplifier	HP	HP8347A	/	2834A00455	2022.08.22	1 Year
Pre-amplifier	Agilent	8449B	/	3008A02664	2022.08.22	1 Year
L.I.S.N.#1	Schwarzbeck	NSLK8126	/	8126-466	2022.08.22	1 Year
L.I.S.N.#2	ROHDE&SCHWARZ	ENV216	/	101043	2022.08.23	1 Year
Horn Antenna	SCHWARZBECK	BBHA9170	/	00946	2021.08.30	2 Year
Preamplifier	SKET	LNPA_1840-50	/	SK2018101801	2022.08.22	1 Year
Power Meter	Agilent	E9300A	/	MY41496628	2022.08.22	1 Year
Power Sensor	DARE	RPR3006W	/	15100041SNO91	2022.08.22	1 Year
Temp. & Humid. Chamber	Weihuang	WHTH-1000-40-880	/	100631	2022.08.22	1 Year
Switching Mode Power Supply	JUNKE	JK12010S	/	20140927-6	2022.08.22	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	farad	Alpha-3A1
CE	EZ-EMC	farad	Alpha-3A1
RF-CE	MTS 8310	MWRFtest	2.0.0.0

4 Test results and Measurement Data

4.1 Antenna requirement:

Standard requirement:	FCC Part15 C Section 15.203
<p>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.</p>	

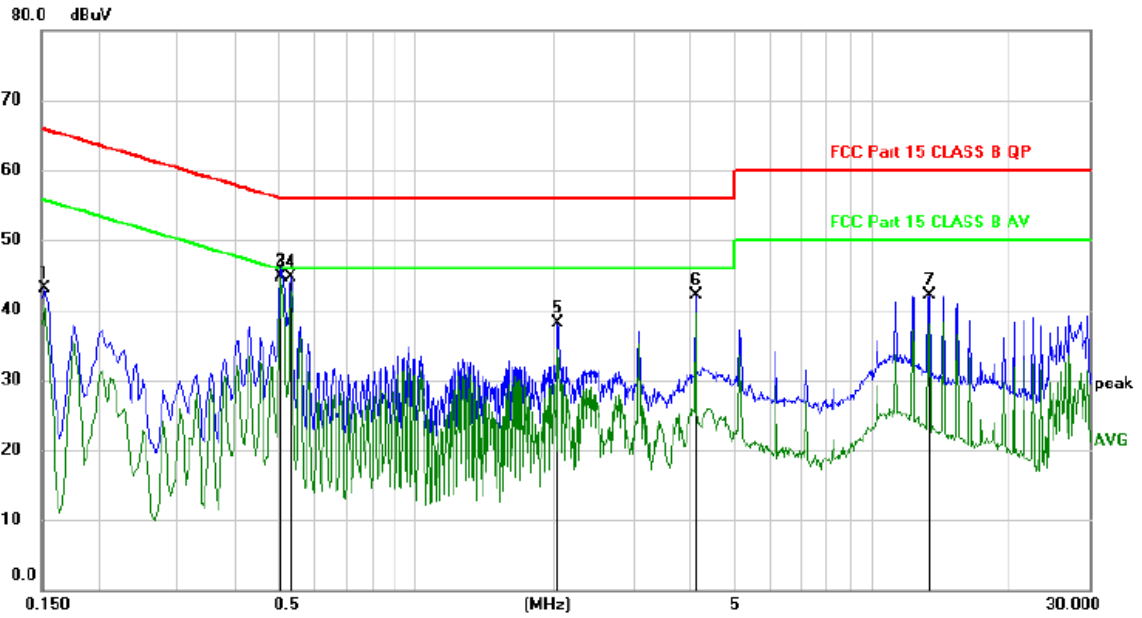
4.2 Conducted Emissions

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:



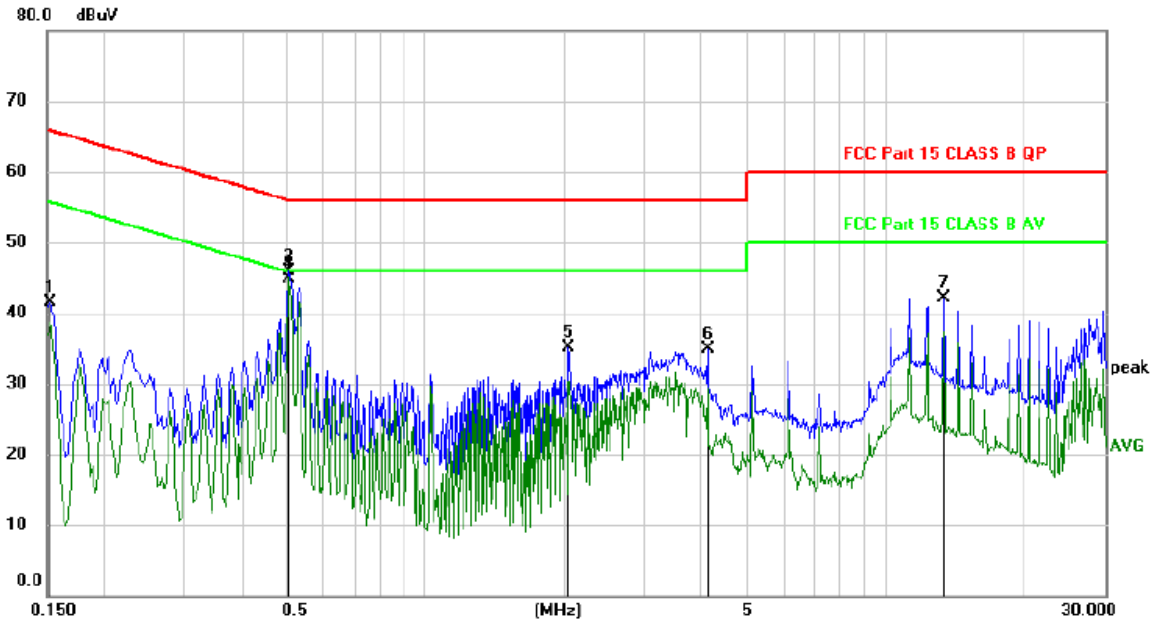
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1530	33.16	9.94	43.10	65.84	-22.74	peak	
2		0.5070	34.85	9.96	44.81	56.00	-11.19	QP	
3	*	0.5070	34.65	9.96	44.61	46.00	-1.39	AVG	
4		0.5310	34.76	9.95	44.71	56.00	-11.29	peak	
5		2.0520	28.25	9.88	38.13	56.00	-17.87	peak	
6		4.1040	32.05	9.97	42.02	56.00	-13.98	peak	
7		13.3380	31.86	10.29	42.15	60.00	-17.85	peak	

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

(Reference Only)

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

Neutral:



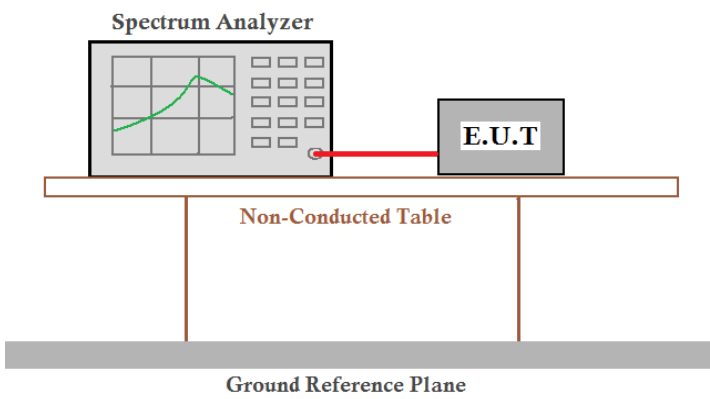
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1		0.1530	31.62	9.94	41.56	65.84	-24.28	peak	
2		0.5070	35.86	9.96	45.82	56.00	-10.18	peak	
3		0.5070	35.03	9.96	44.99	56.00	-11.01	QP	
4	*	0.5070	34.89	9.96	44.85	46.00	-1.15	AVG	
5		2.0520	25.13	9.88	35.01	56.00	-20.99	peak	
6		4.1040	24.89	9.97	34.86	56.00	-21.14	peak	
7		13.3500	31.85	10.29	42.14	60.00	-17.86	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.

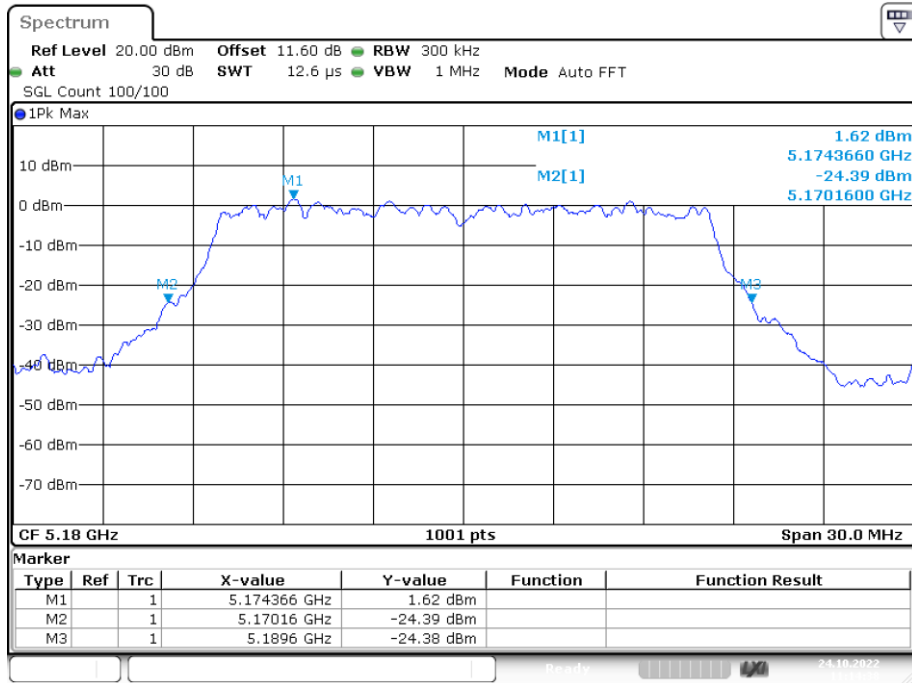
4.3 Emission Bandwidth and 99% Occupied Bandwidth

Test Requirement:	FCC Part15 E Section 15.407
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:**Module 1****Band 1 (5180-5240 MHz):
-26dB Bandwidth**

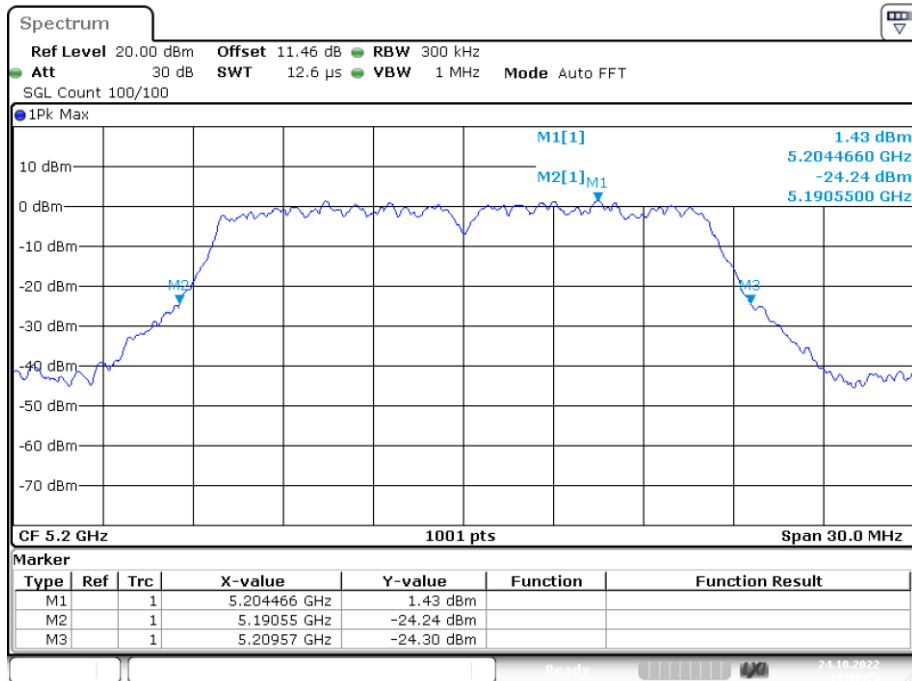
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.44	0.5	Pass
NVNT	a	5200	Ant1	19.02	0.5	Pass
NVNT	a	5240	Ant1	19.11	0.5	Pass
NVNT	ac20	5180	Ant1	20.73	0.5	Pass
NVNT	ac20	5200	Ant1	20.52	0.5	Pass
NVNT	ac20	5240	Ant1	20.25	0.5	Pass
NVNT	ac40	5190	Ant1	39.24	0.5	Pass
NVNT	ac40	5230	Ant1	38.76	0.5	Pass
NVNT	ac80	5210	Ant1	82.56	0.5	Pass
NVNT	n20	5180	Ant1	20.04	0.5	Pass
NVNT	n20	5200	Ant1	20.01	0.5	Pass
NVNT	n20	5240	Ant1	20.25	0.5	Pass
NVNT	n40	5190	Ant1	39.3	0.5	Pass
NVNT	n40	5230	Ant1	38.7	0.5	Pass

-26dB Bandwidth NVNT a 5180MHz Ant1



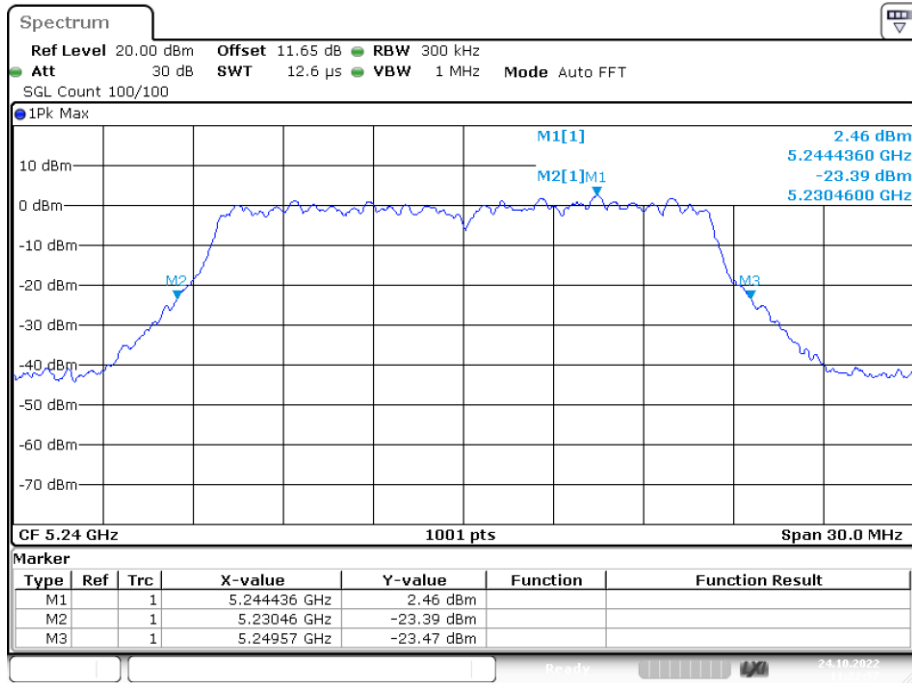
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-26dB Bandwidth NVNT a 5200MHz Ant1

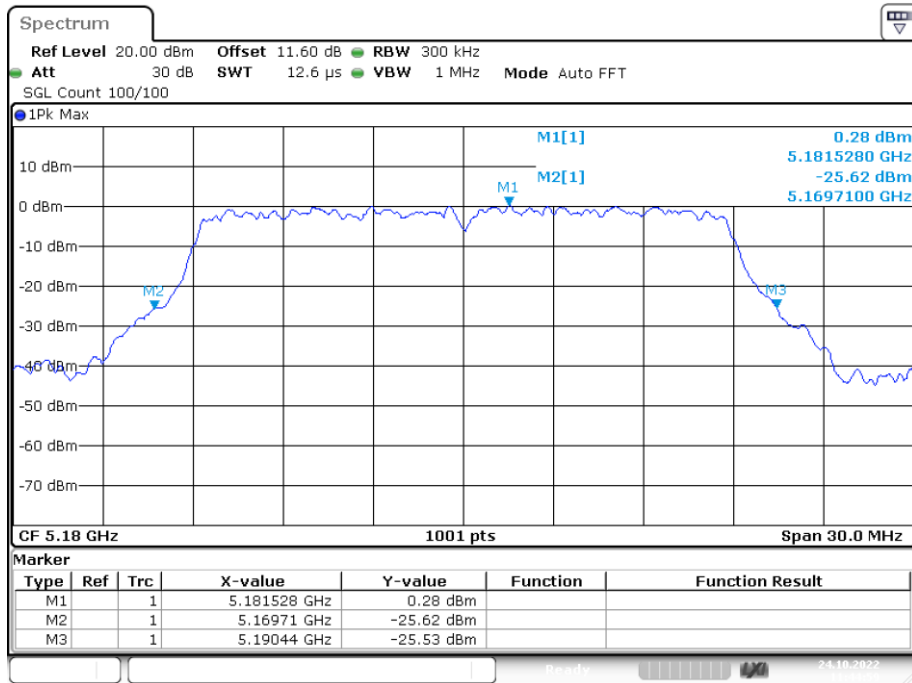


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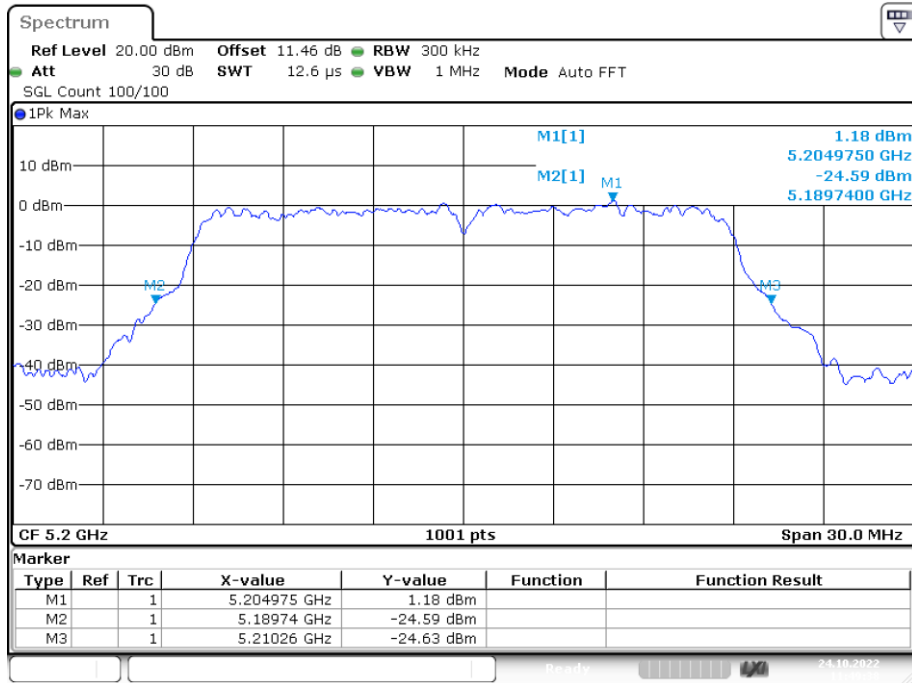
-26dB Bandwidth NVNT a 5240MHz Ant1



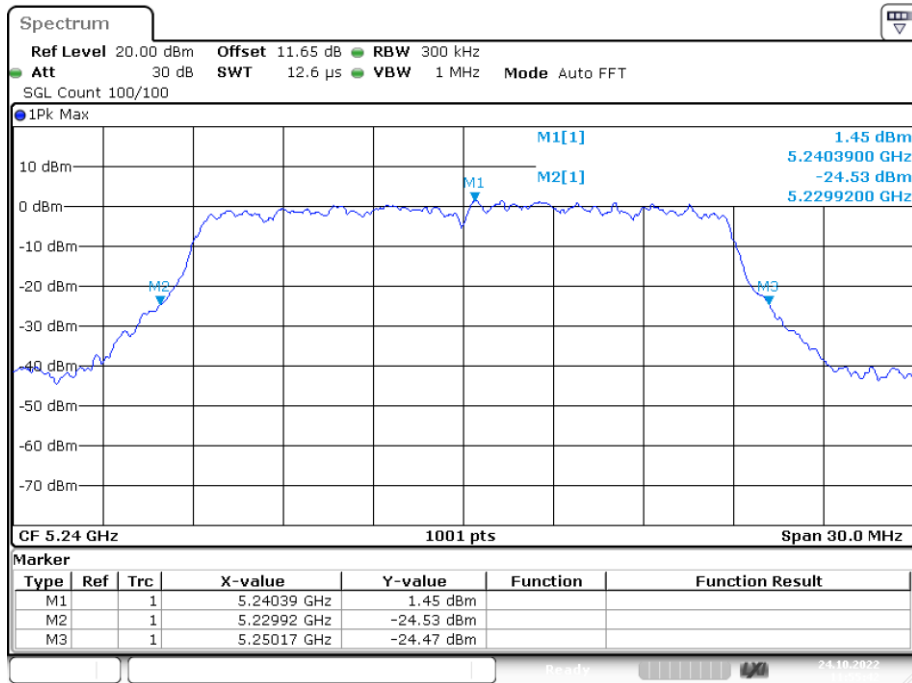
-26dB Bandwidth NVNT ac20 5180MHz Ant1



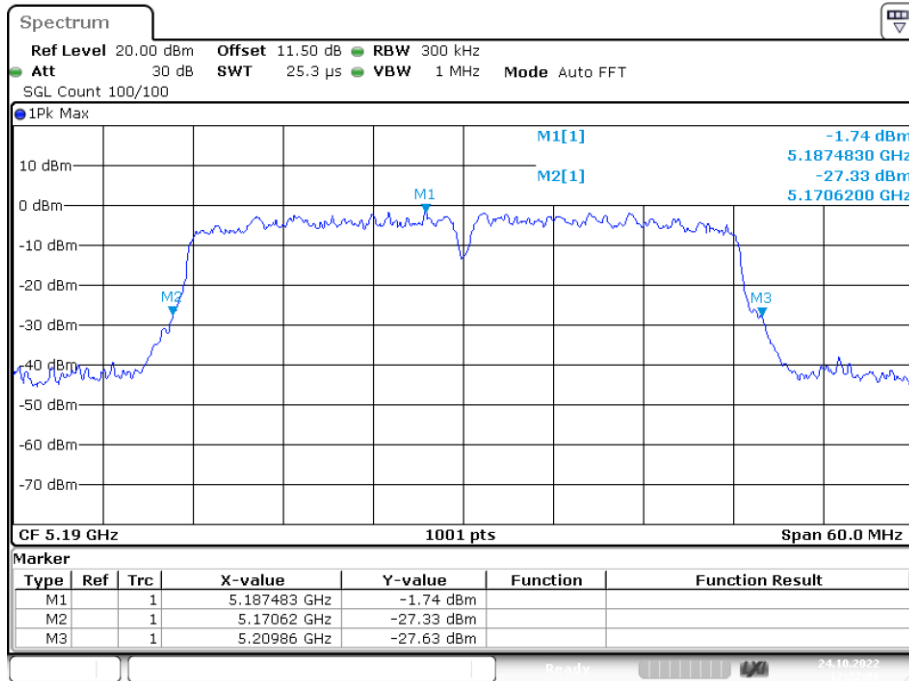
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-26dB Bandwidth NVNT ac20 5240MHz Ant1

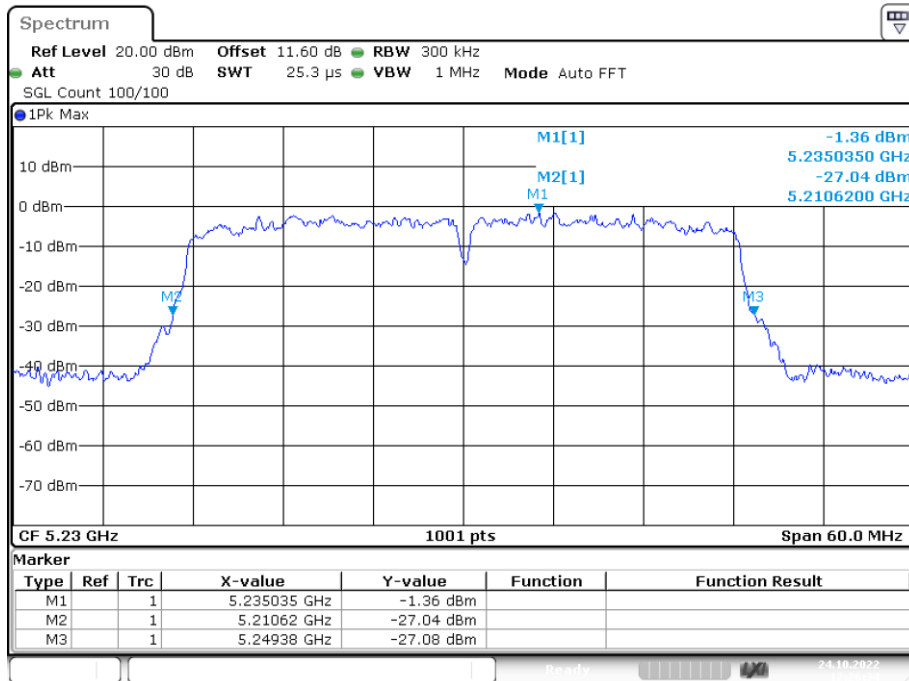


-26dB Bandwidth NVNT ac40 5190MHz Ant1



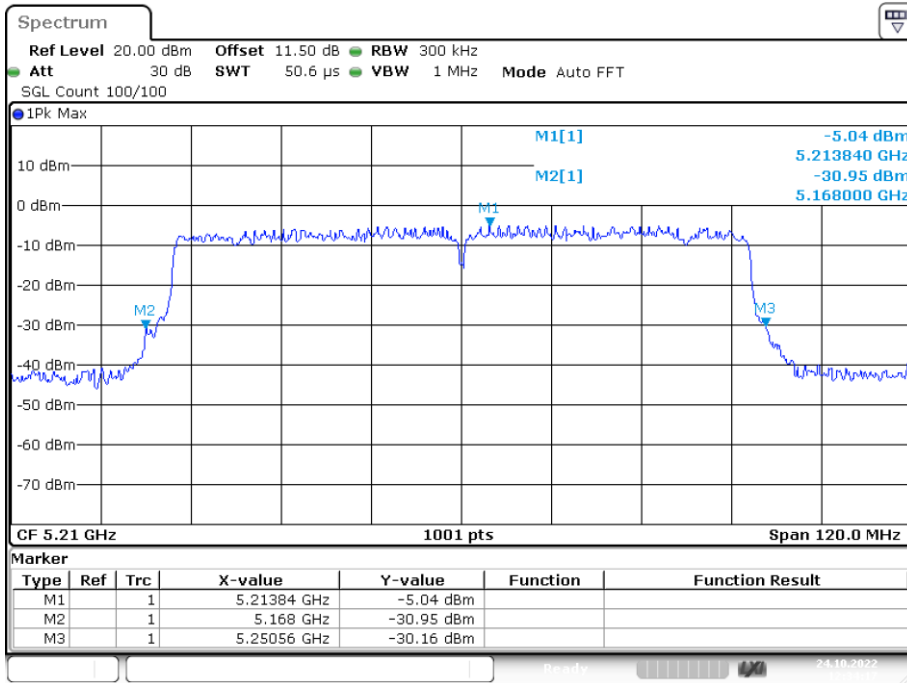
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-26dB Bandwidth NVNT ac40 5230MHz Ant1



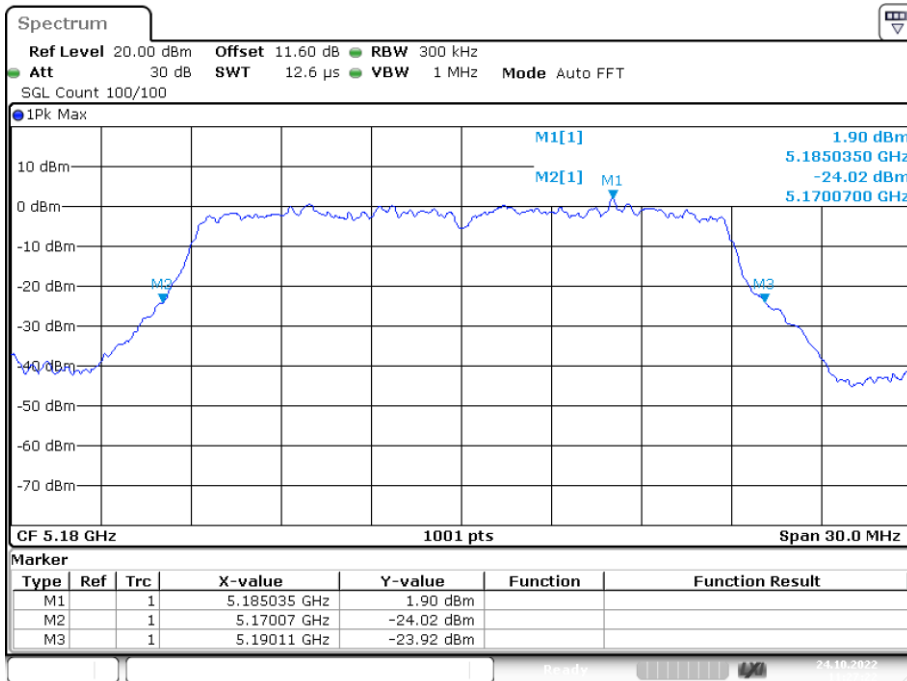
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-26dB Bandwidth NVNT ac80 5210MHz Ant1



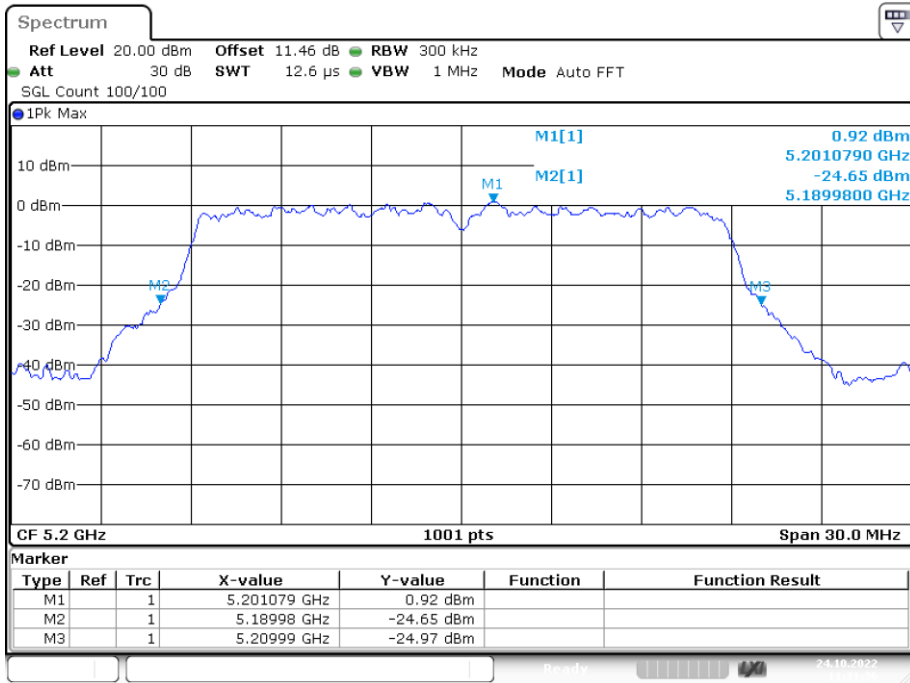
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-26dB Bandwidth NVNT n20 5180MHz Ant1



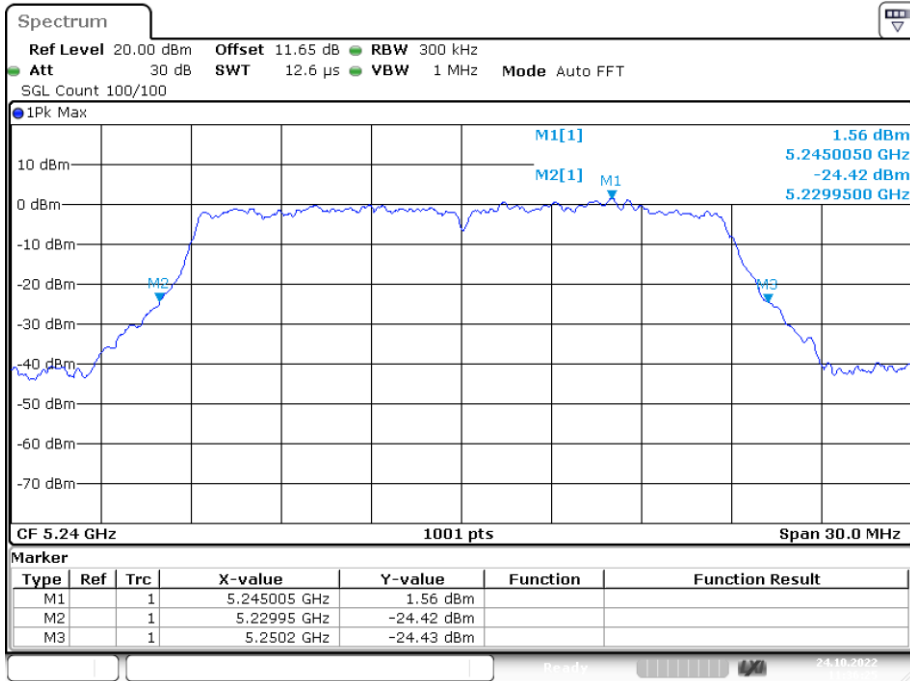
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-26dB Bandwidth NVNT n20 5200MHz Ant1



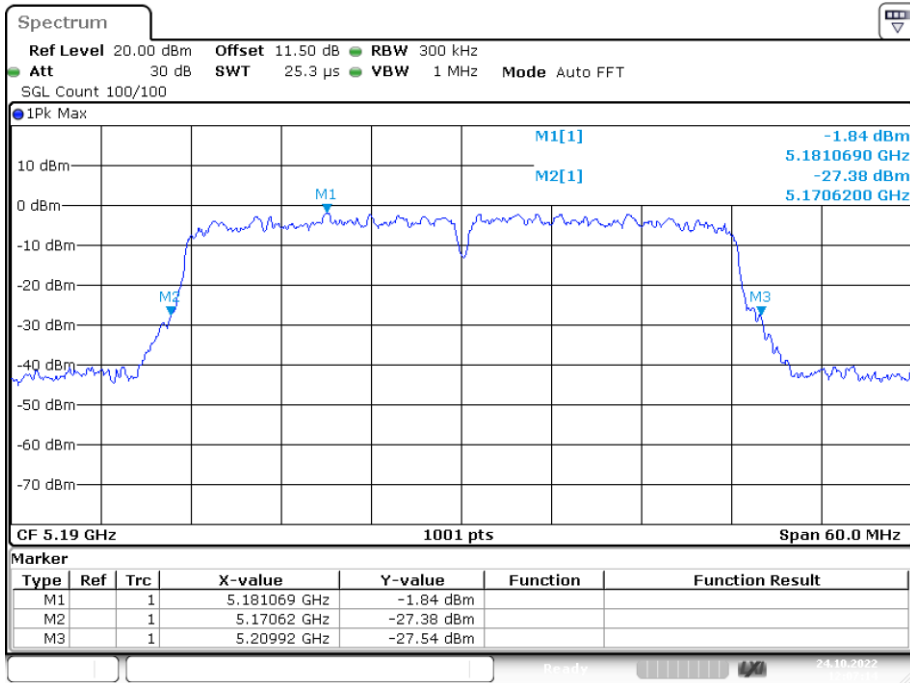
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-26dB Bandwidth NVNT n20 5240MHz Ant1



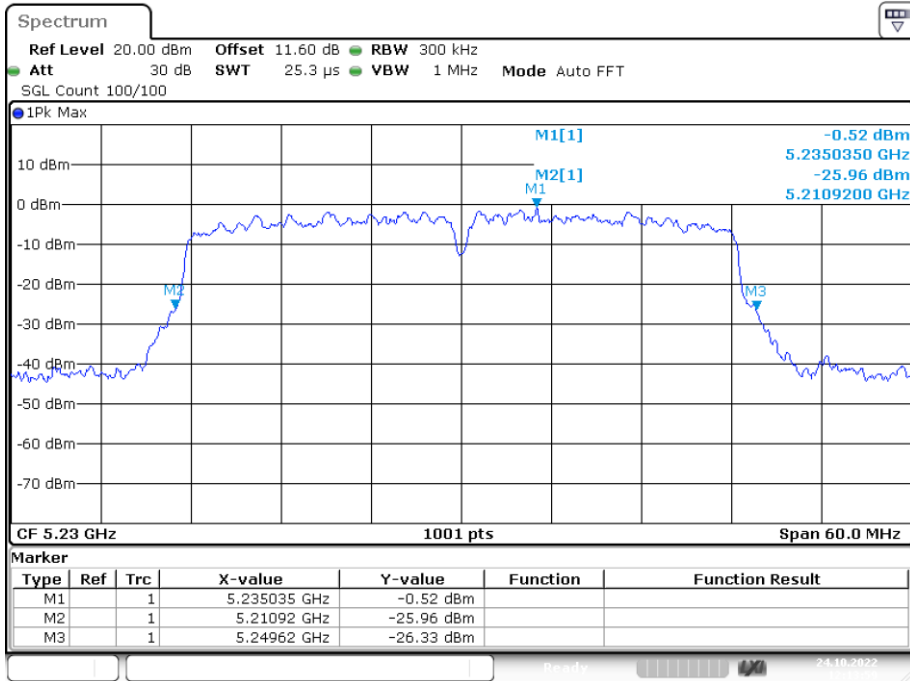
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-26dB Bandwidth NVNT n40 5190MHz Ant1



Date: 24.OCT.2022 12:07:14

-26dB Bandwidth NVNT n40 5230MHz Ant1

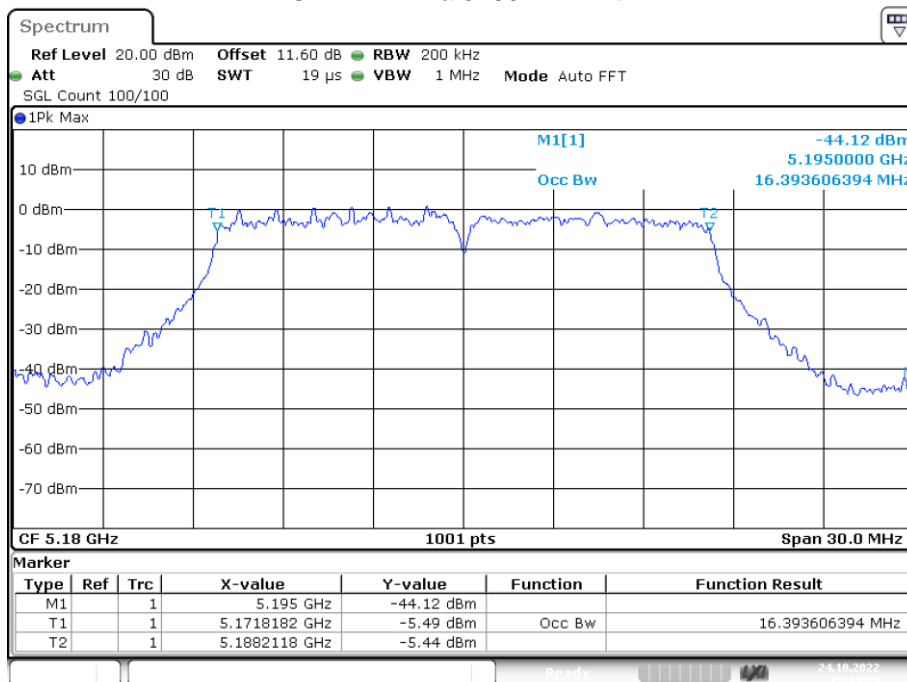


Date: 24.OCT.2022 12:13:59

Occupied Channel Bandwidth

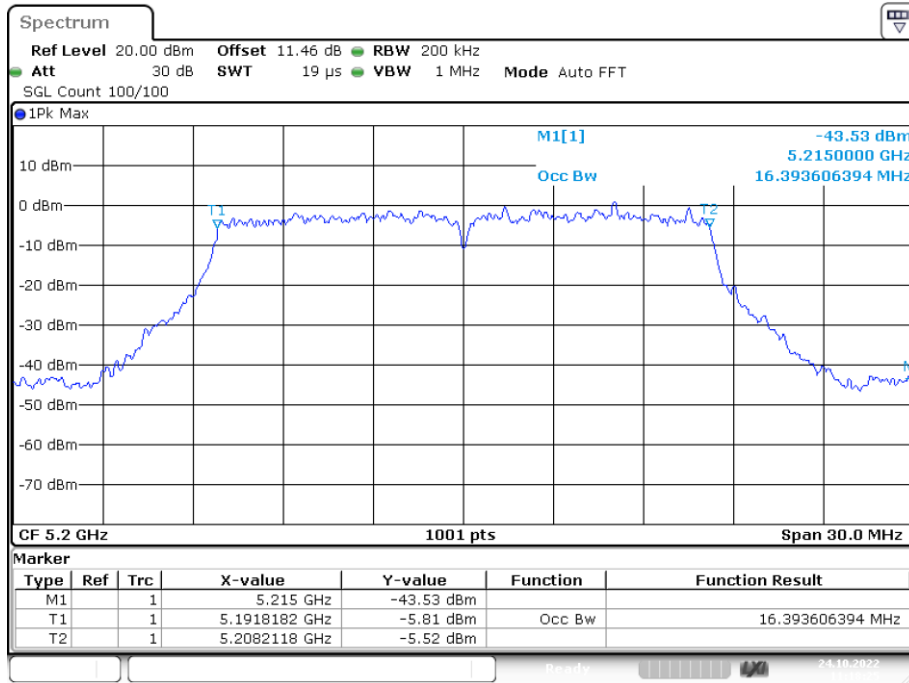
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.394
NVNT	a	5200	Ant1	16.394
NVNT	a	5240	Ant1	16.394
NVNT	ac20	5180	Ant1	17.652
NVNT	ac20	5200	Ant1	17.592
NVNT	ac20	5240	Ant1	17.592
NVNT	ac40	5190	Ant1	35.964
NVNT	ac40	5230	Ant1	36.024
NVNT	ac80	5210	Ant1	75.524
NVNT	n20	5180	Ant1	17.622
NVNT	n20	5200	Ant1	17.622
NVNT	n20	5240	Ant1	17.532
NVNT	n40	5190	Ant1	35.904
NVNT	n40	5230	Ant1	36.024

OBW NVNT a 5180MHz Ant1

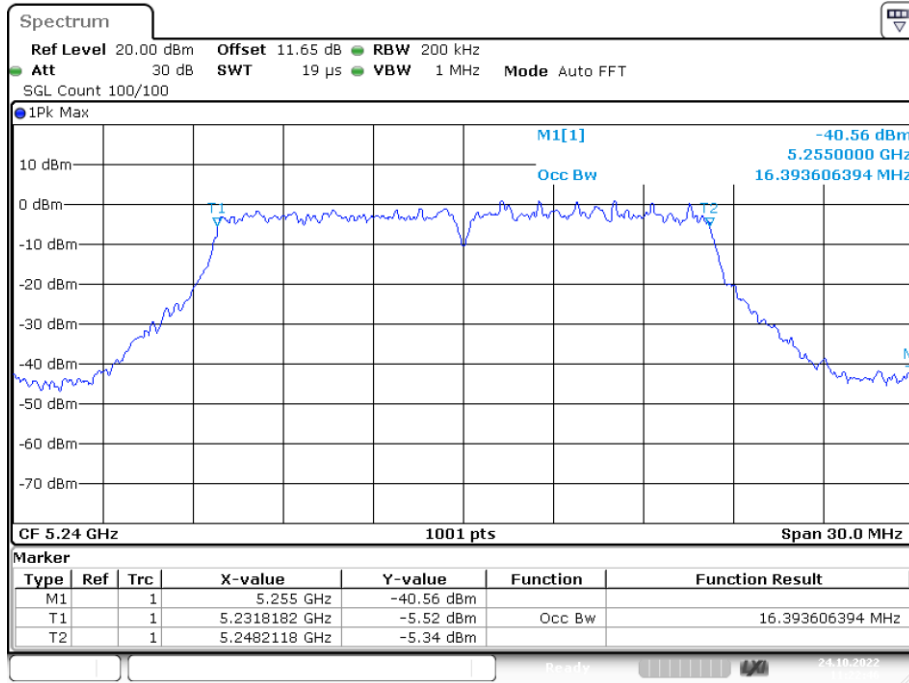


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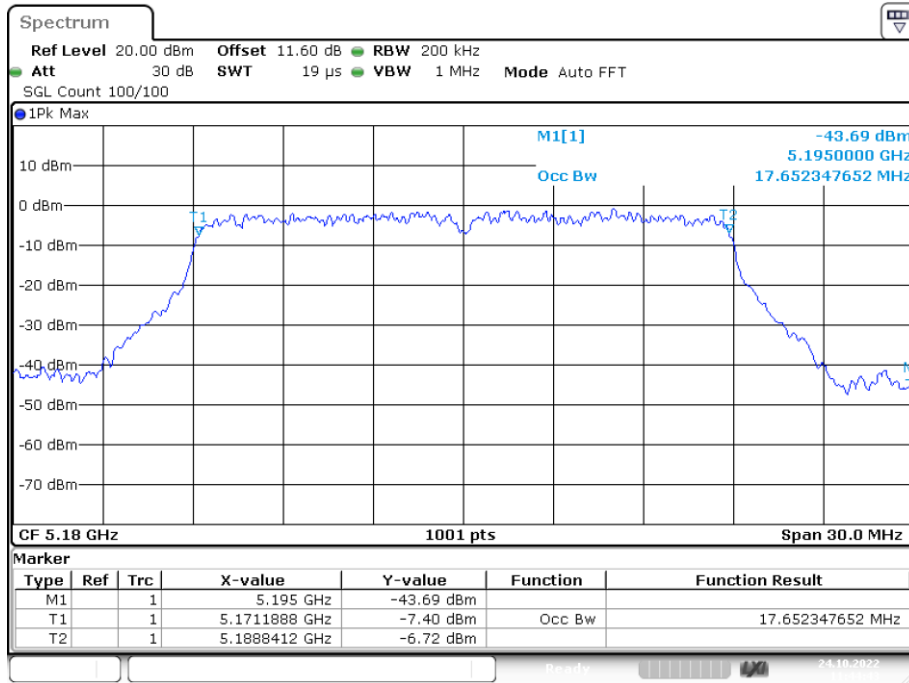
OBW NVNT a 5200MHz Ant1



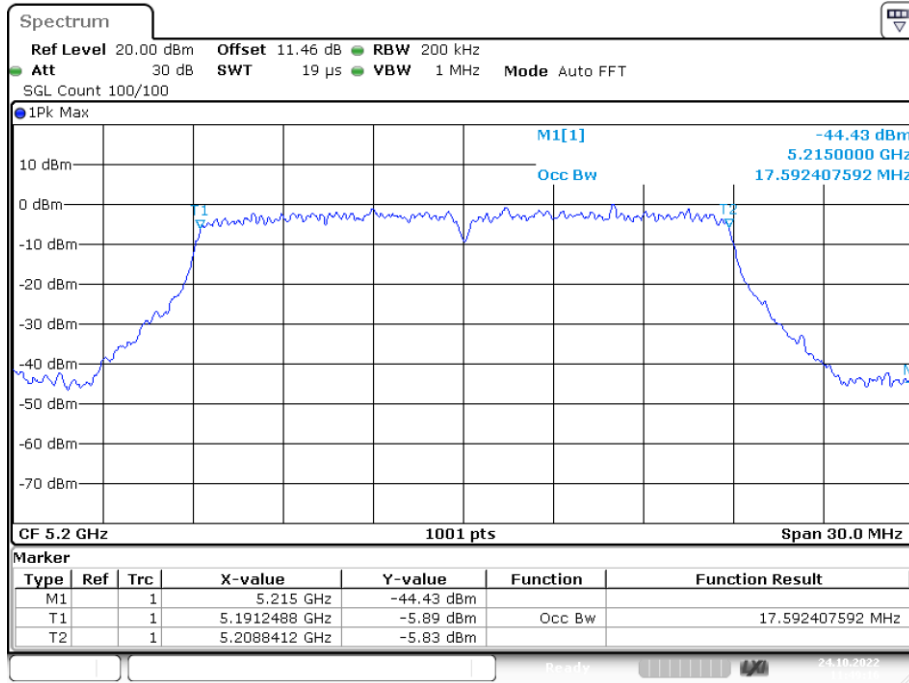
OBW NVNT a 5240MHz Ant1



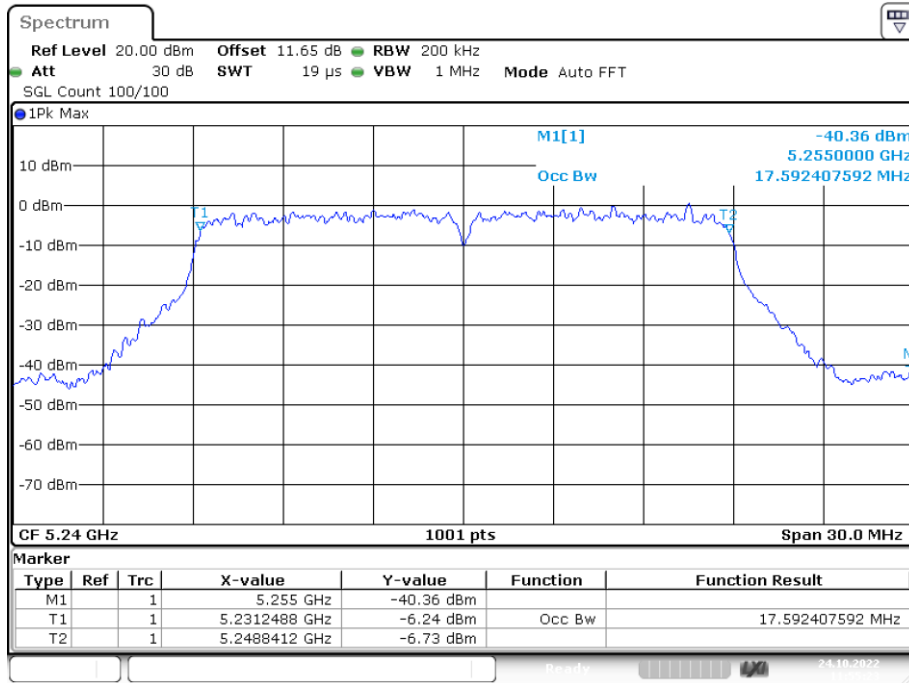
OBW NVNT ac20 5180MHz Ant1



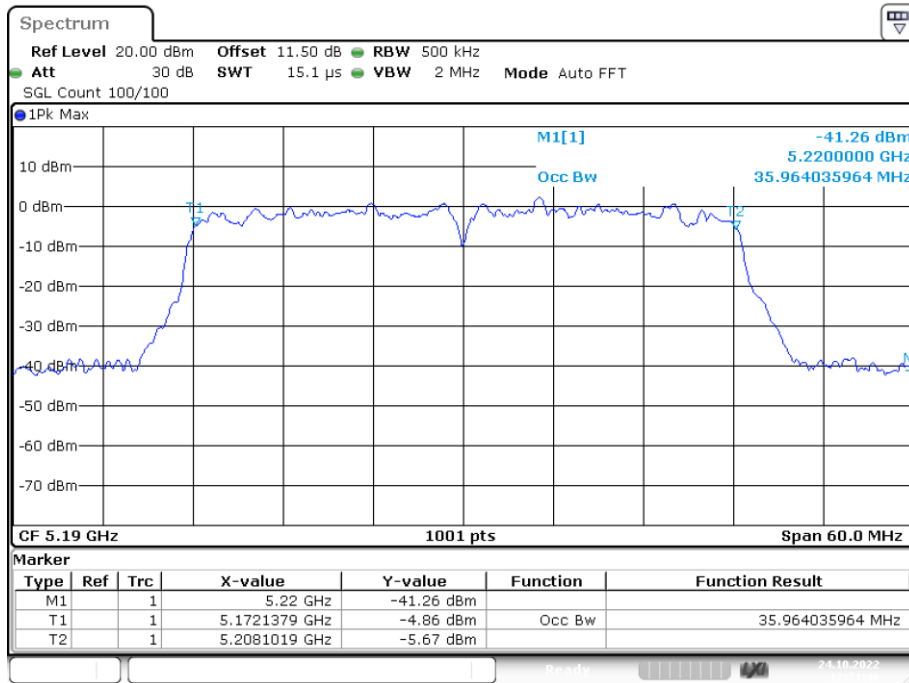
OBW NVNT ac20 5200MHz Ant1



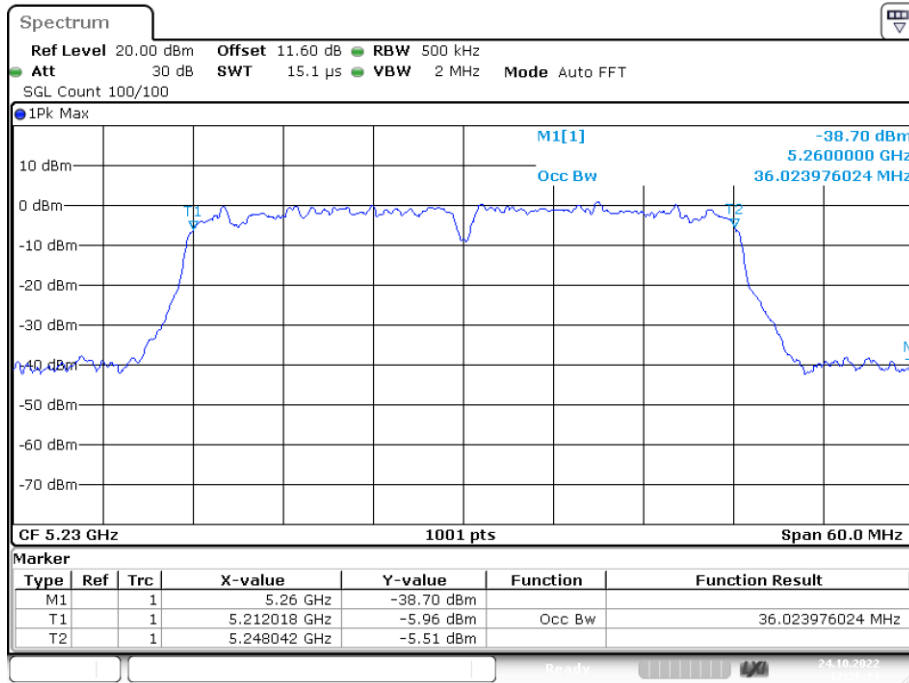
OBW NVNT ac20 5240MHz Ant1



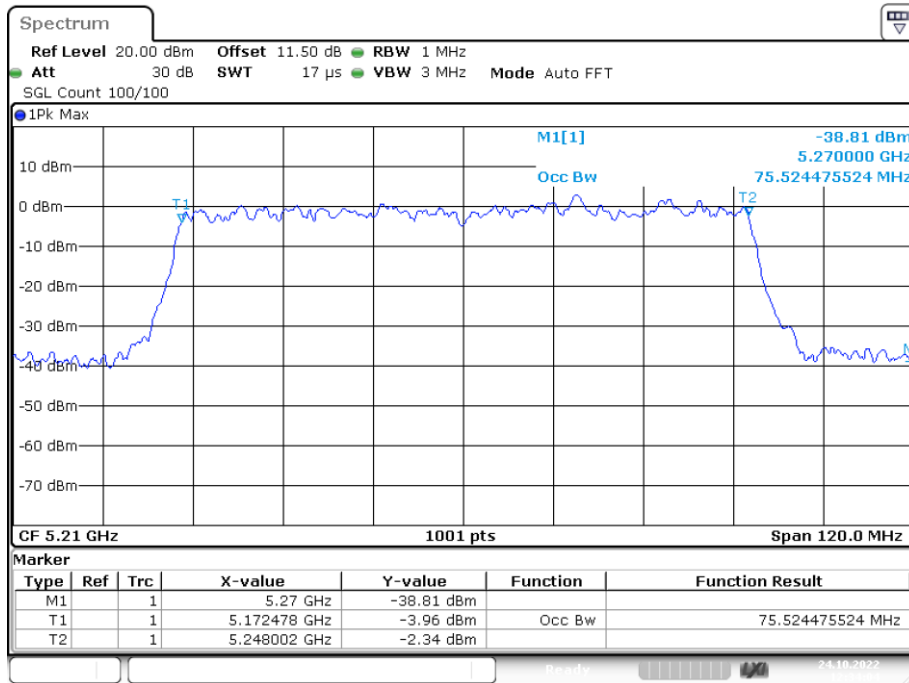
OBW NVNT ac40 5190MHz Ant1



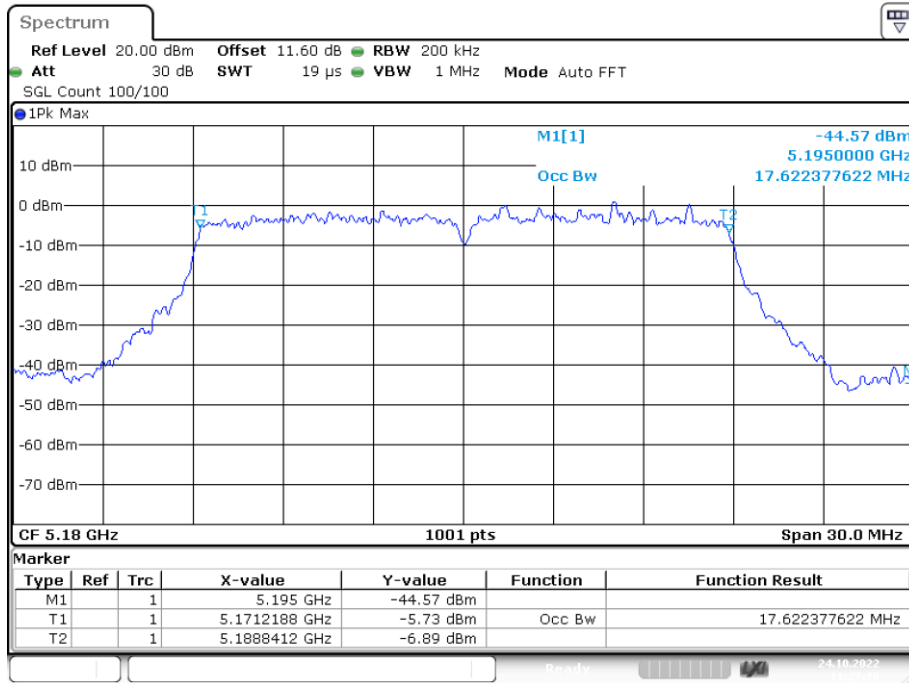
OBW NVNT ac40 5230MHz Ant1



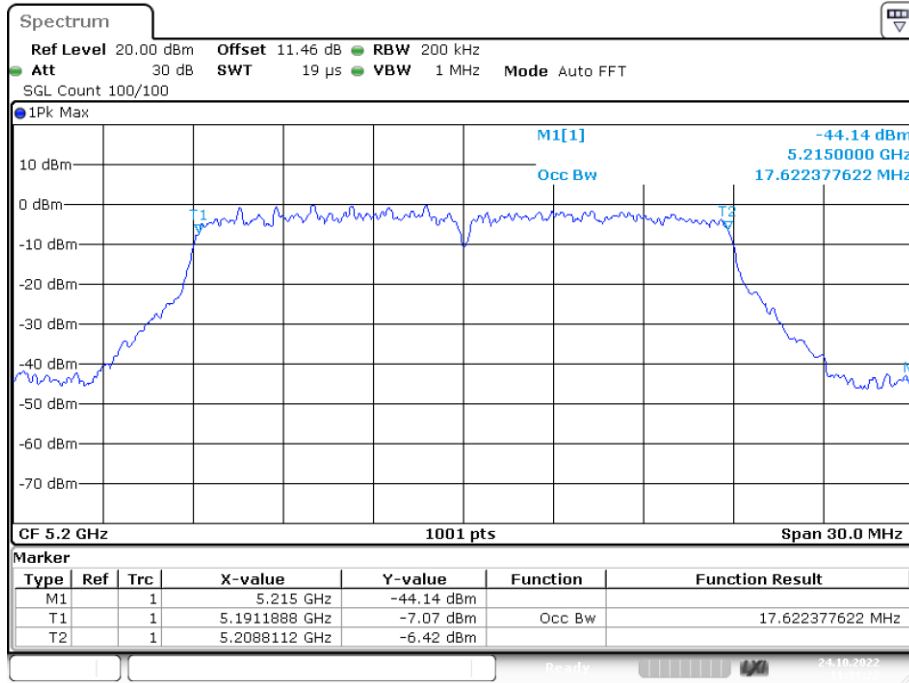
OBW NVNT ac80 5210MHz Ant1



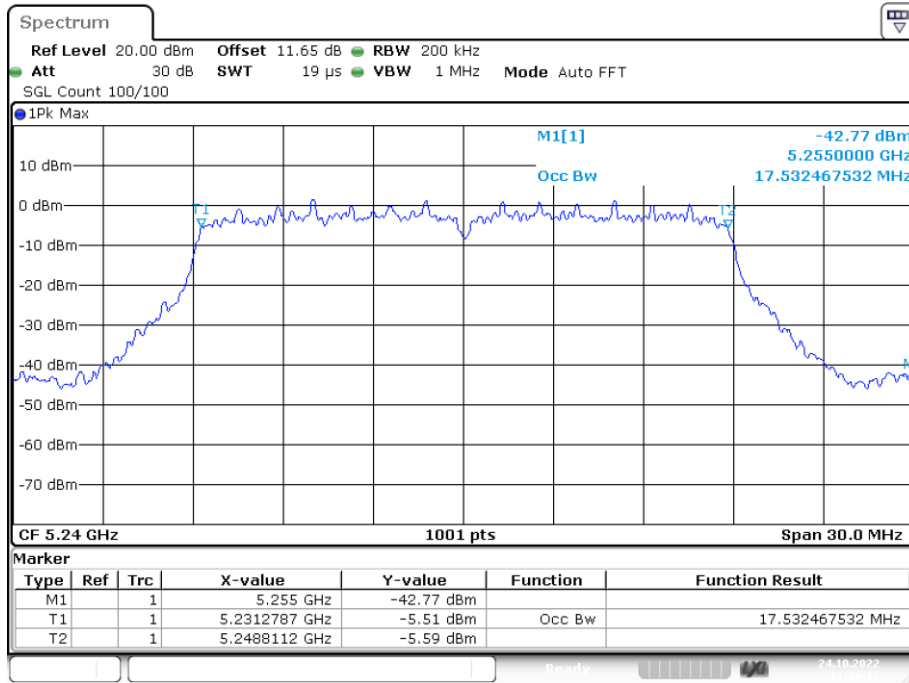
OBW NVNT n20 5180MHz Ant1



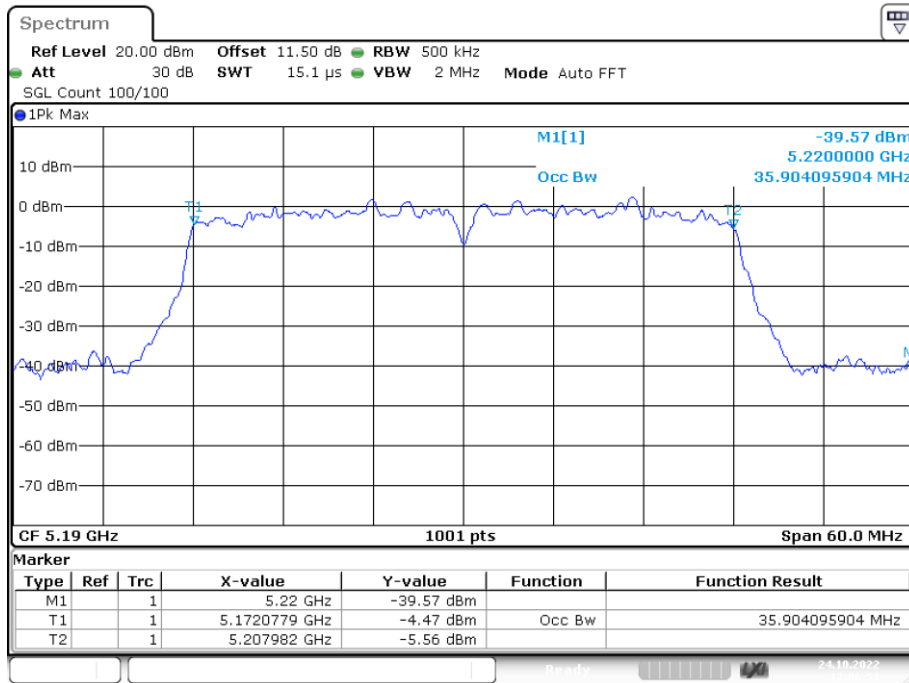
OBW NVNT n20 5200MHz Ant1



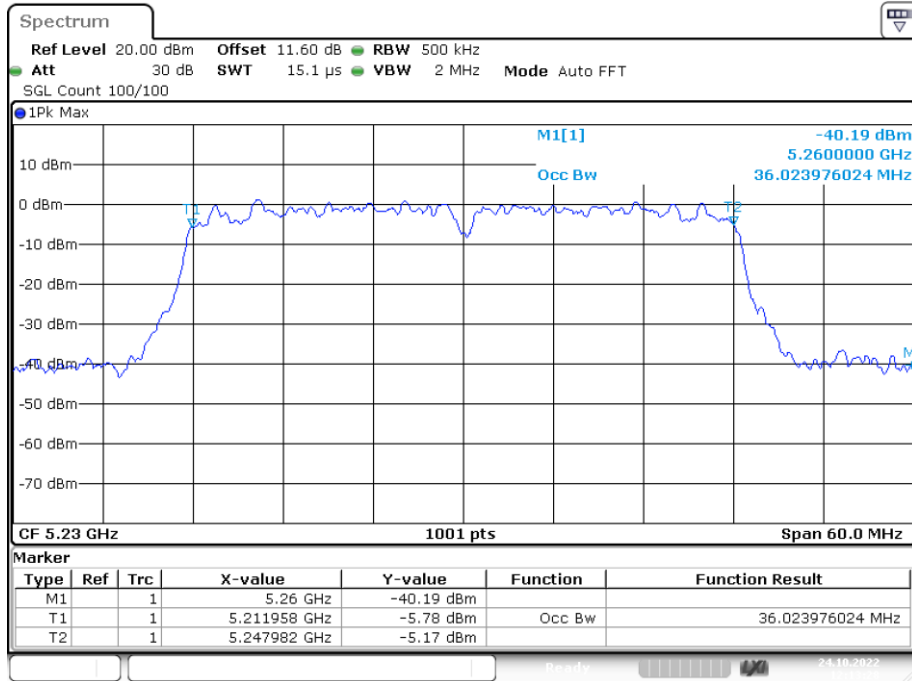
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1



OBW NVNT n40 5230MHz Ant1



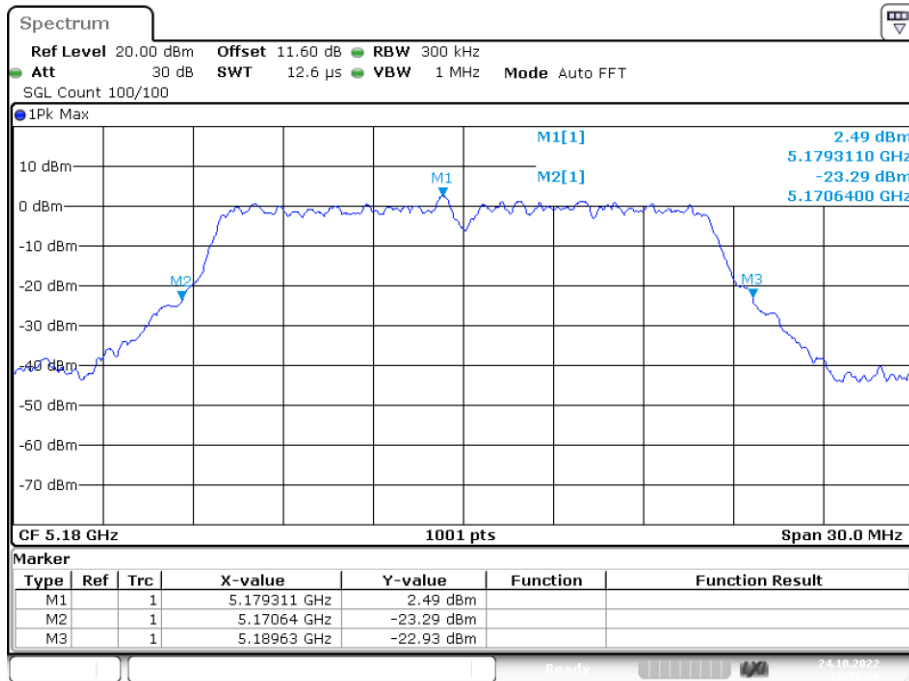
Date: 24.OCT.2022 12:13:28

Module 2

**Band 1 (5180-5240 MHz):
-26dB Bandwidth**

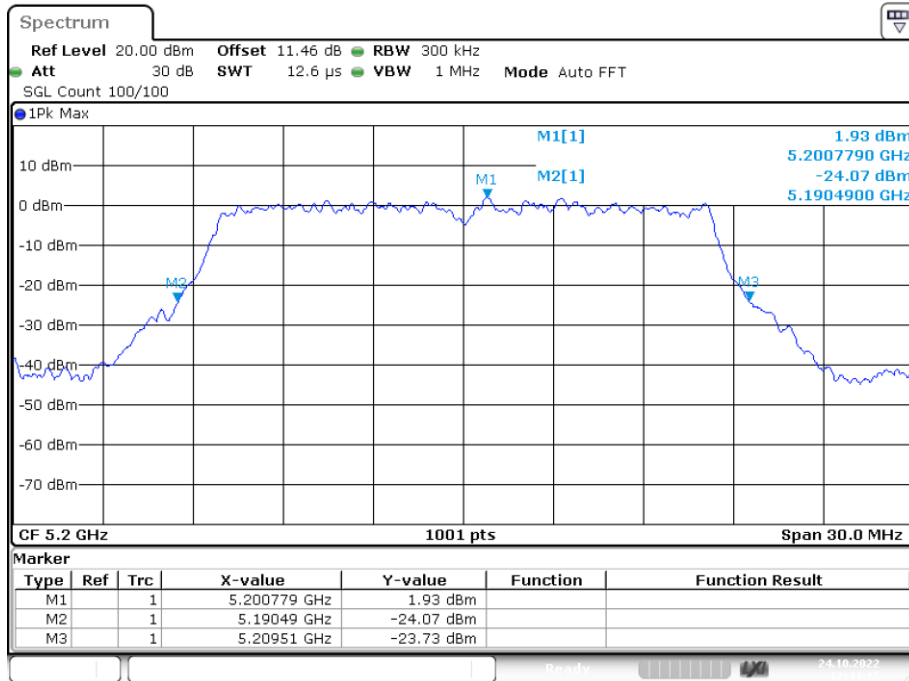
Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	18.99	0.5	Pass
NVNT	a	5200	Ant1	19.02	0.5	Pass
NVNT	a	5240	Ant1	19.29	0.5	Pass
NVNT	ac20	5180	Ant1	20.07	0.5	Pass
NVNT	ac20	5200	Ant1	20.25	0.5	Pass
NVNT	ac20	5240	Ant1	20.67	0.5	Pass
NVNT	ac40	5190	Ant1	38.1	0.5	Pass
NVNT	ac40	5230	Ant1	38.52	0.5	Pass
NVNT	ac80	5210	Ant1	78.84	0.5	Pass
NVNT	n20	5180	Ant1	20.28	0.5	Pass
NVNT	n20	5200	Ant1	20.76	0.5	Pass
NVNT	n20	5240	Ant1	20.13	0.5	Pass
NVNT	n40	5190	Ant1	38.46	0.5	Pass
NVNT	n40	5230	Ant1	38.46	0.5	Pass

-26dB Bandwidth NVNT a 5180MHz Ant1



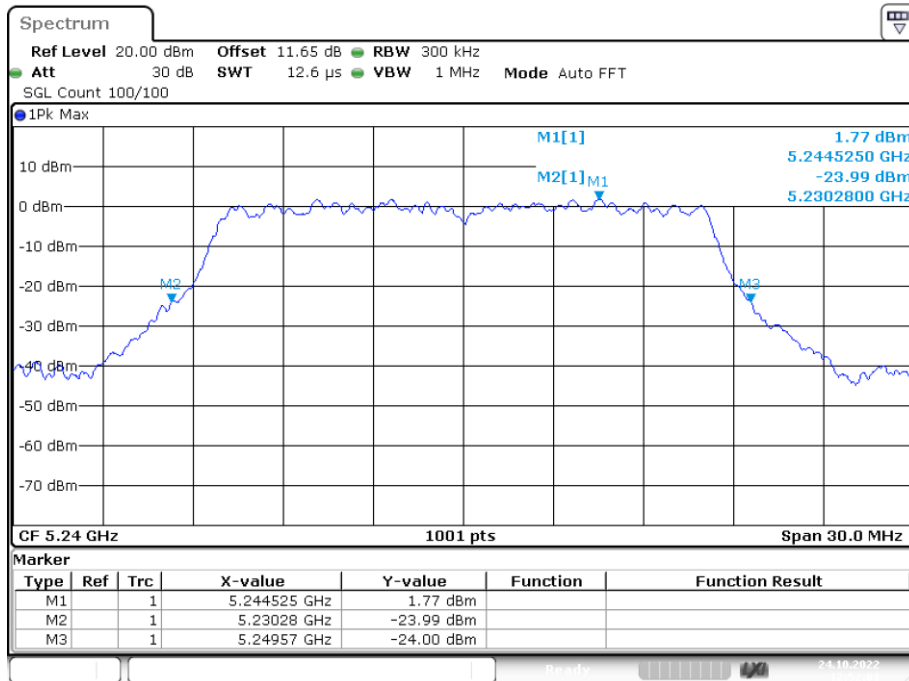
Date: 24.OCT.2022 12:39:35

-26dB Bandwidth NVNT a 5200MHz Ant1



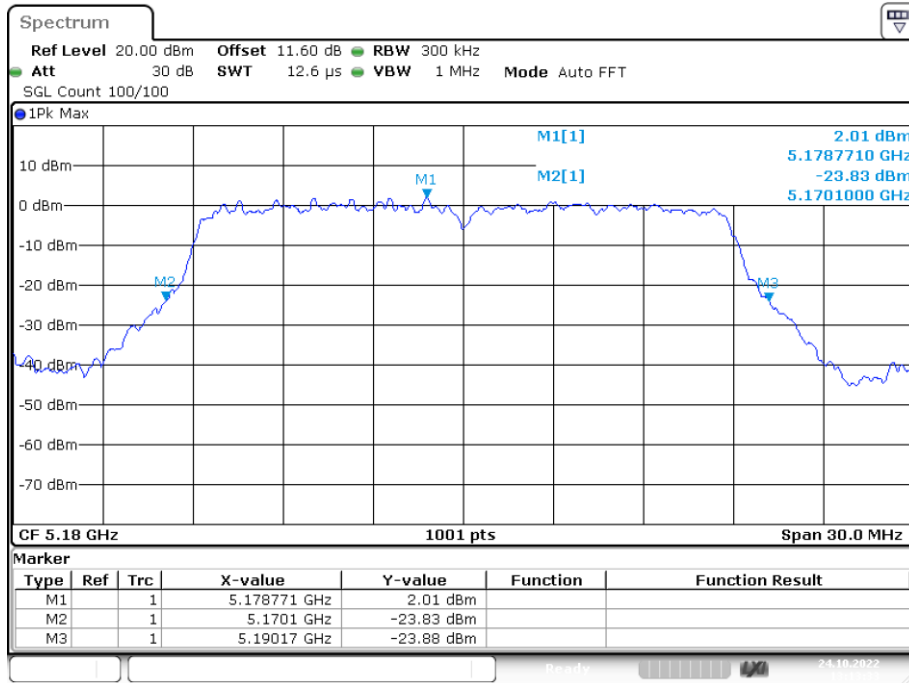
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-26dB Bandwidth NVNT a 5240MHz Ant1



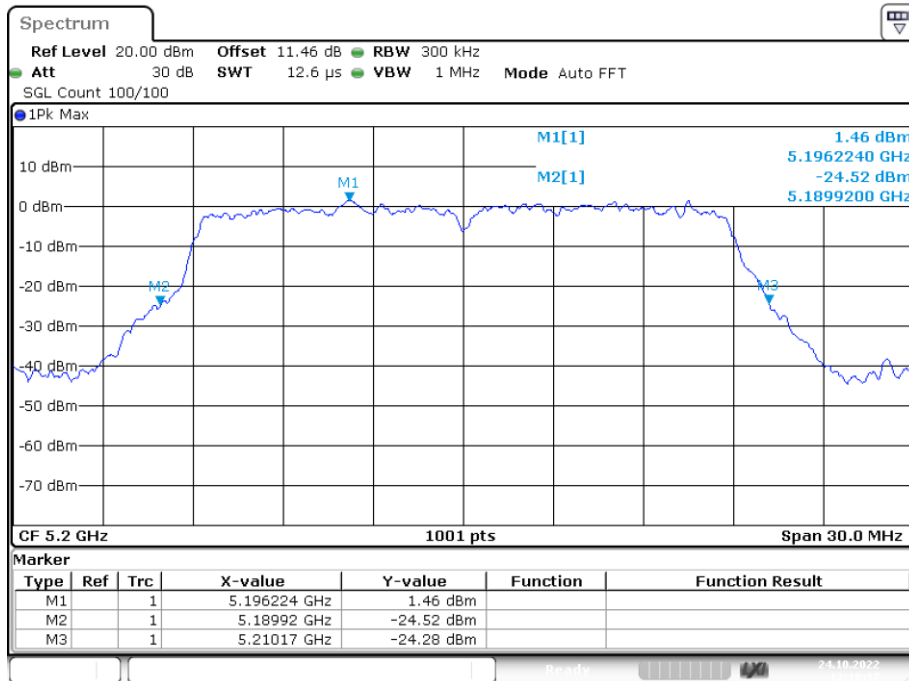
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-26dB Bandwidth NVNT ac20 5180MHz Ant1



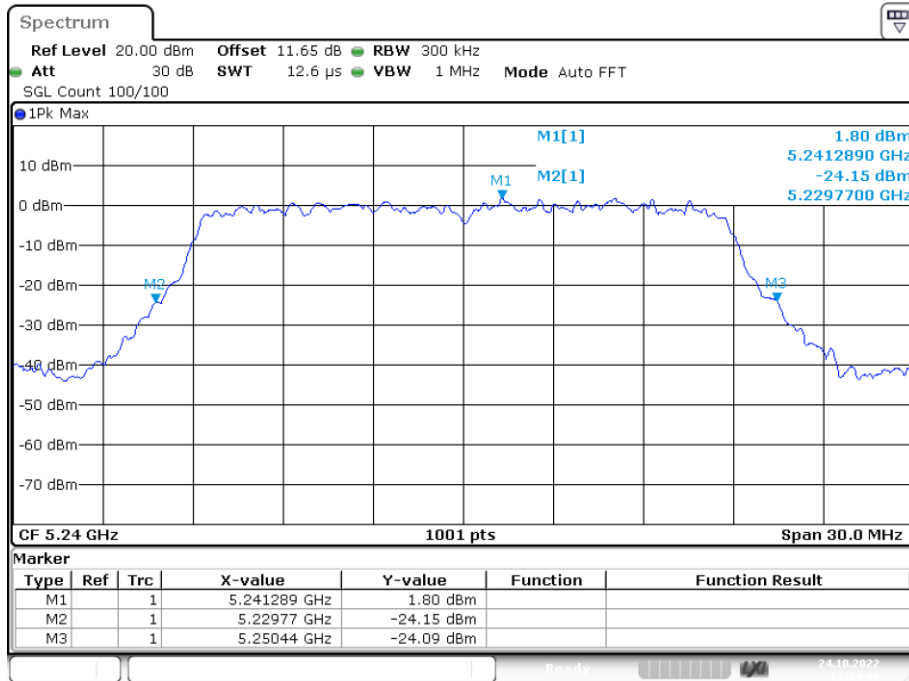
Date: 24.OCT.2022 13:13:33

-26dB Bandwidth NVNT ac20 5200MHz Ant1



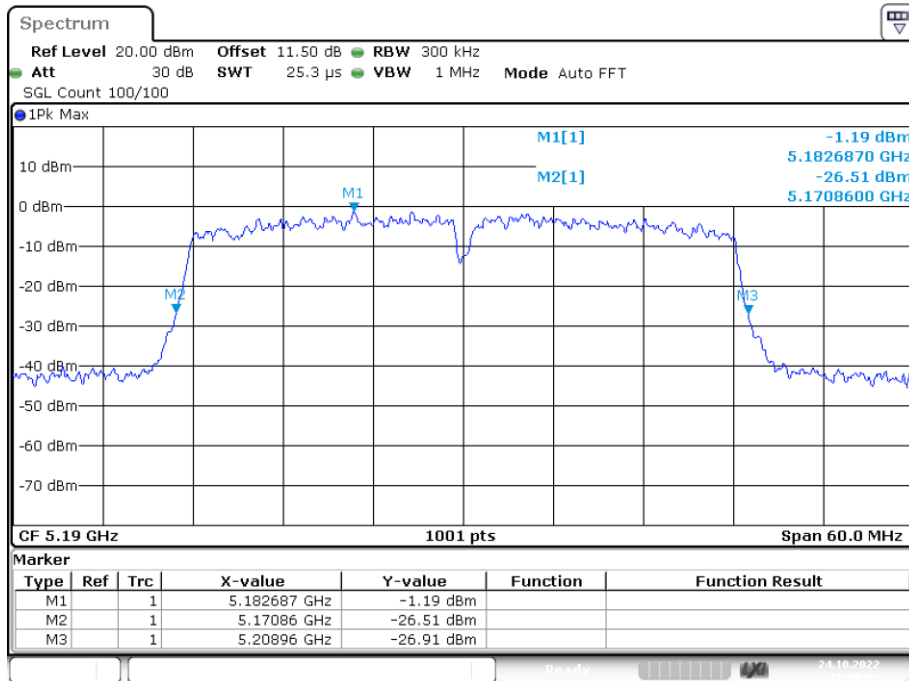
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-26dB Bandwidth NVNT ac20 5240MHz Ant1



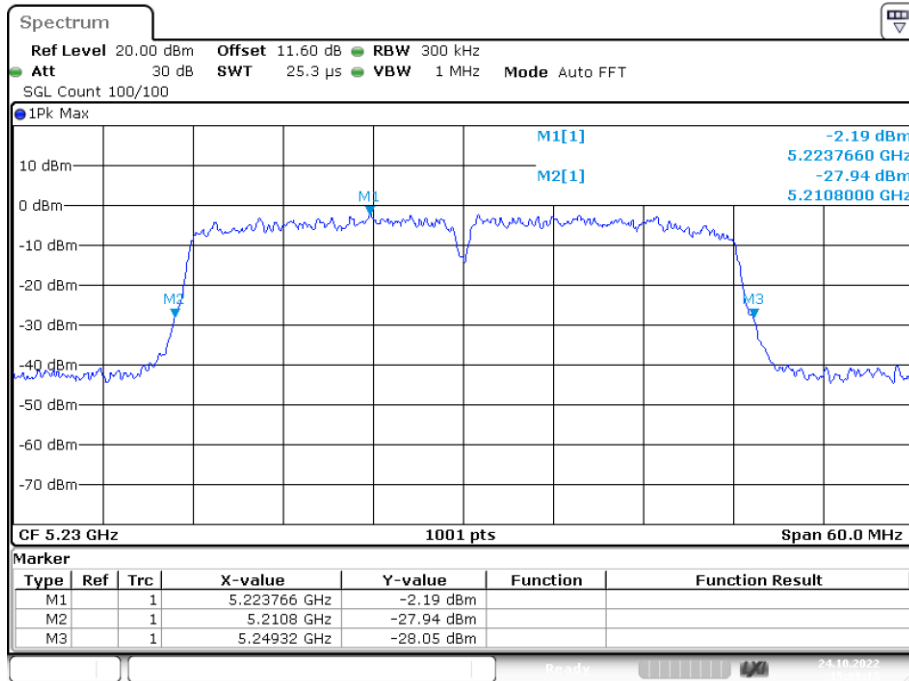
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-26dB Bandwidth NVNT ac40 5190MHz Ant1



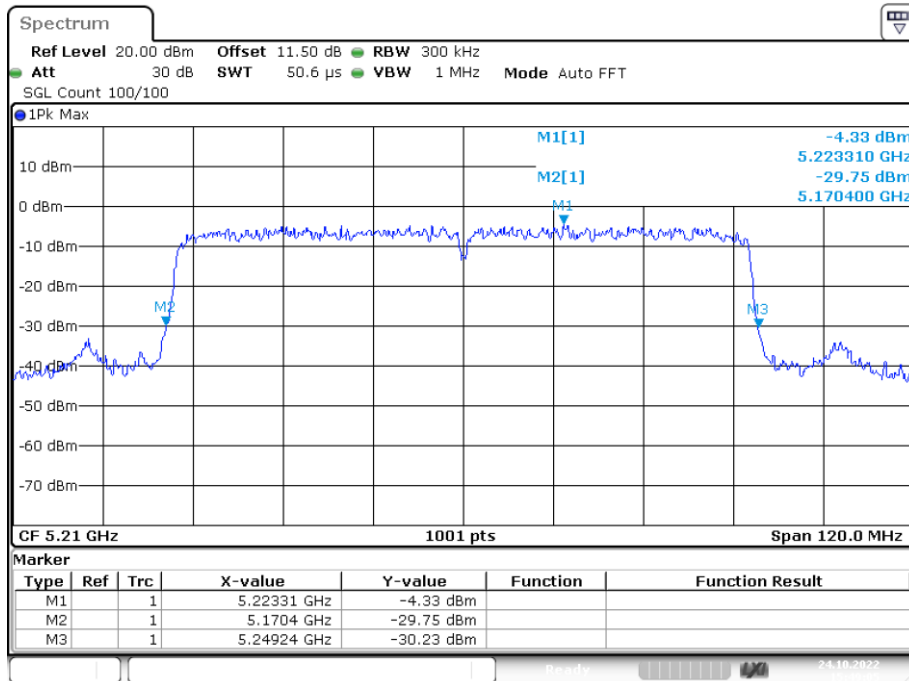
Date: 24.OCT.2022 15:00:32

-26dB Bandwidth NVNT ac40 5230MHz Ant1



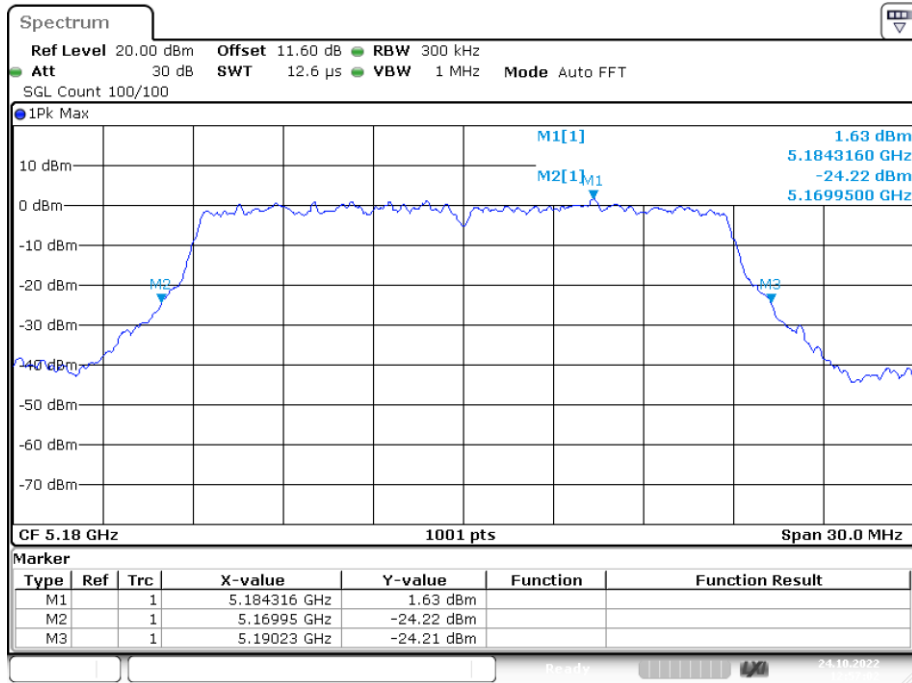
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-26dB Bandwidth NVNT ac80 5210MHz Ant1



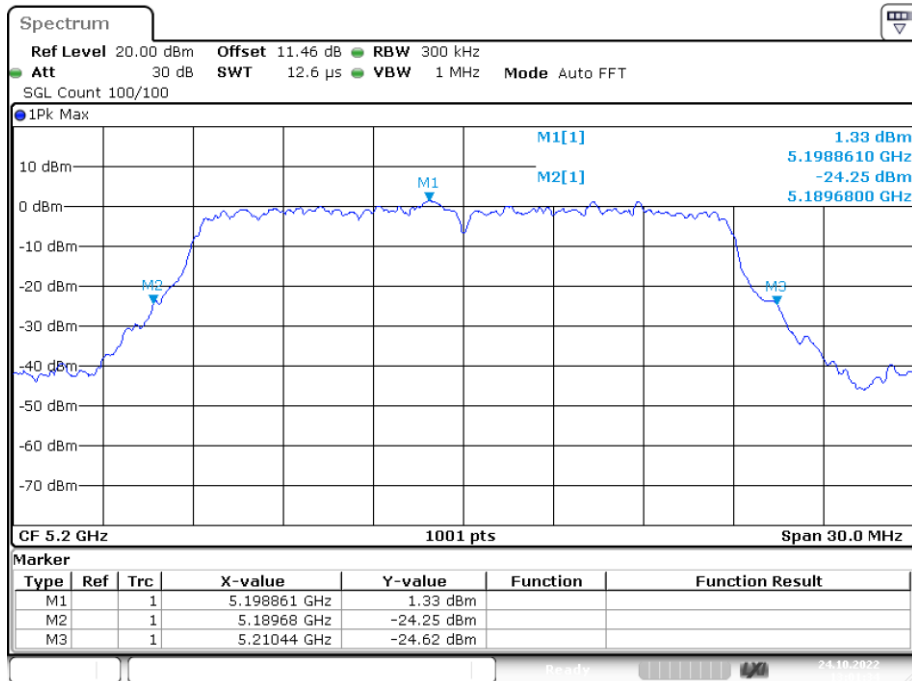
Date: 24.OCT.2022 15:49:05

-26dB Bandwidth NVNT n20 5180MHz Ant1



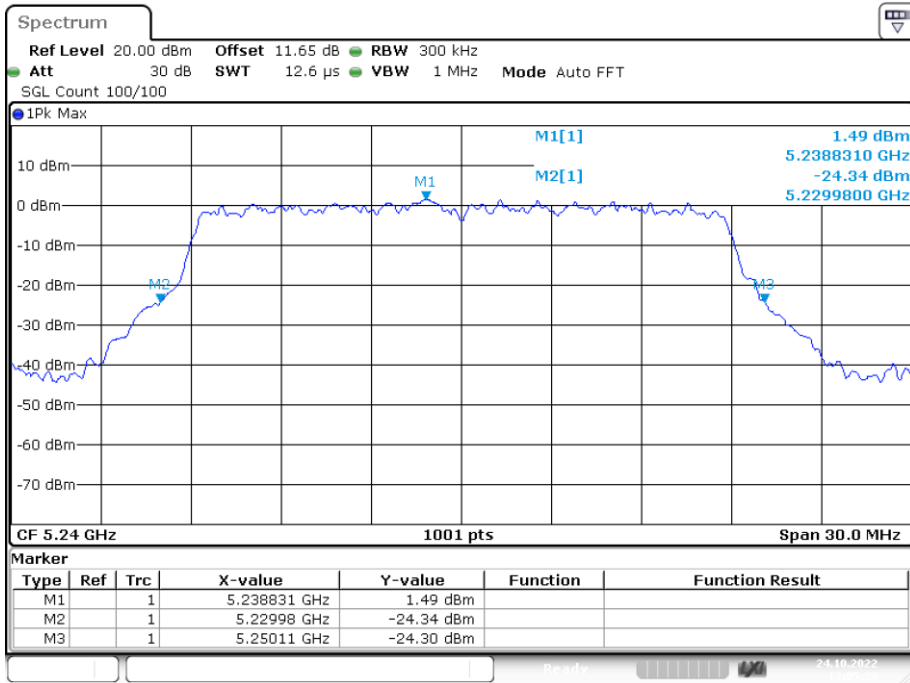
Date: 24.OCT.2022 12:57:02

-26dB Bandwidth NVNT n20 5200MHz Ant1



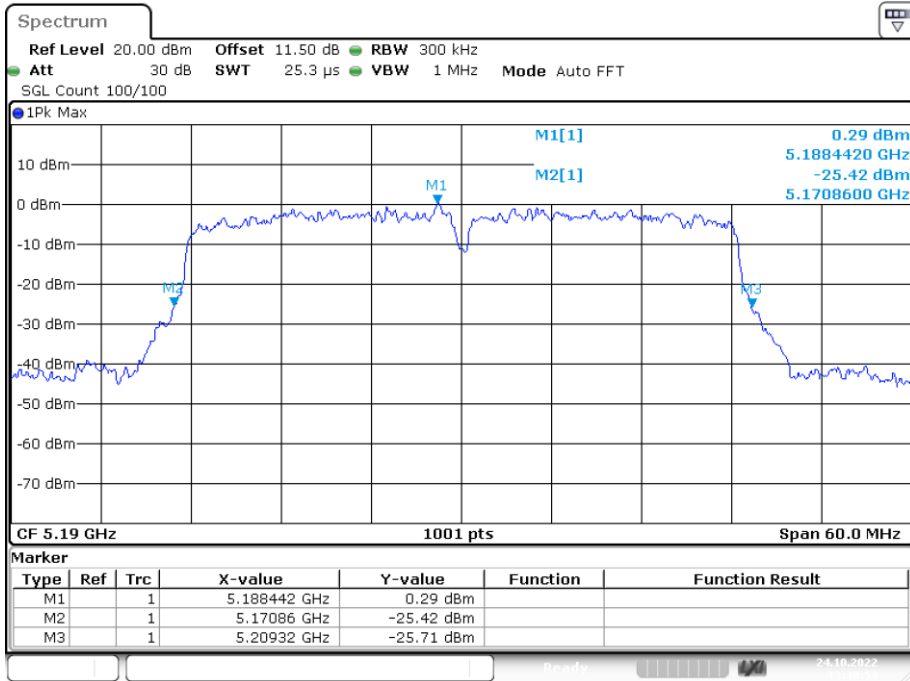
Date: 24.OCT.2022 13:01:33

-26dB Bandwidth NVNT n20 5240MHz Ant1



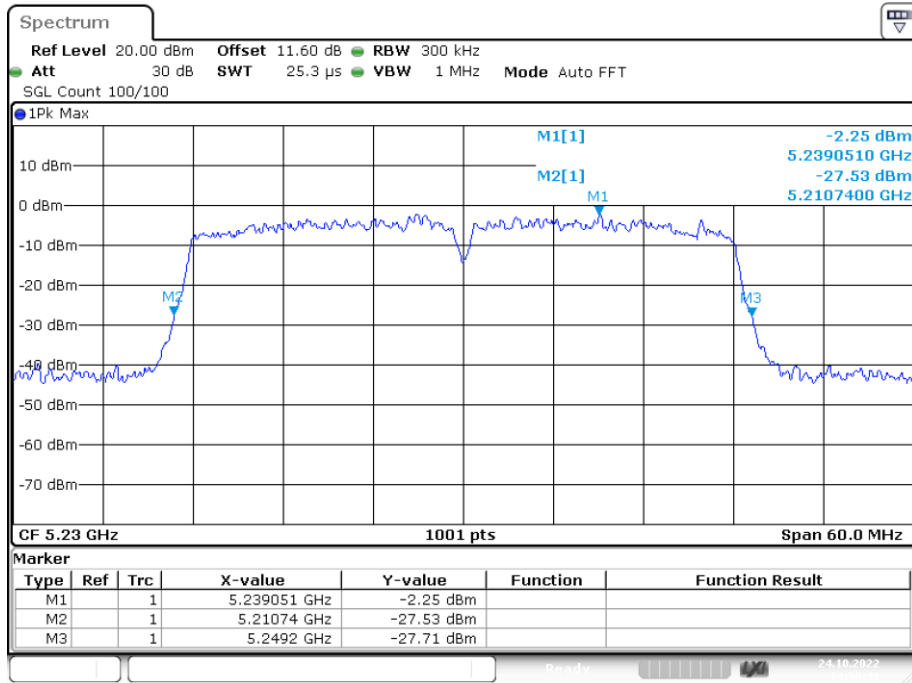
Date: 24.OCT.2022 13:05:23

-26dB Bandwidth NVNT n40 5190MHz Ant1



Date: 24.OCT.2022 13:30:53

-26dB Bandwidth NVNT n40 5230MHz Ant1

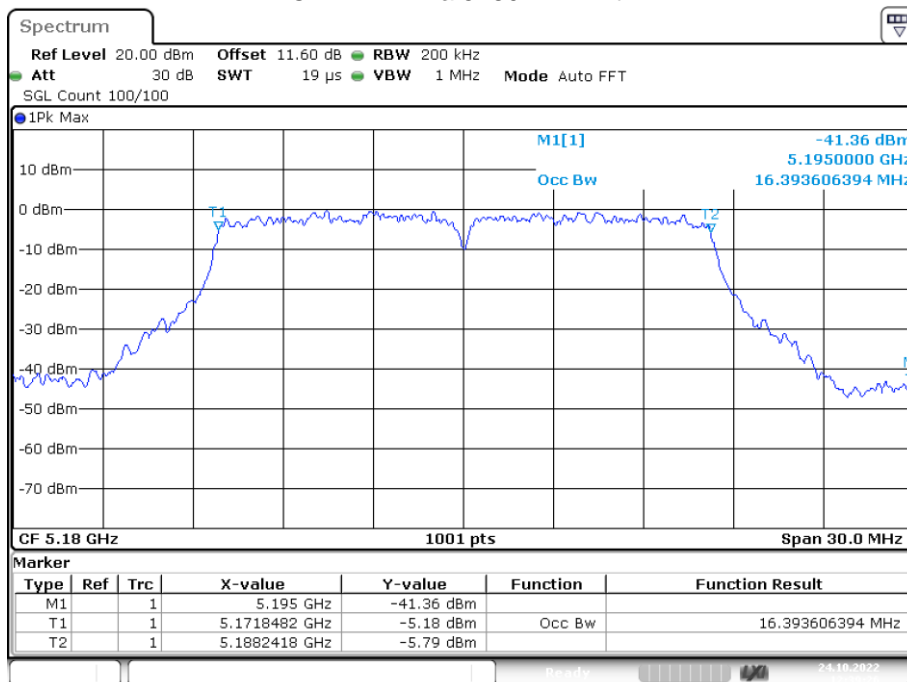


Date: 24.OCT.2022 14:50:41

Occupied Channel Bandwidth

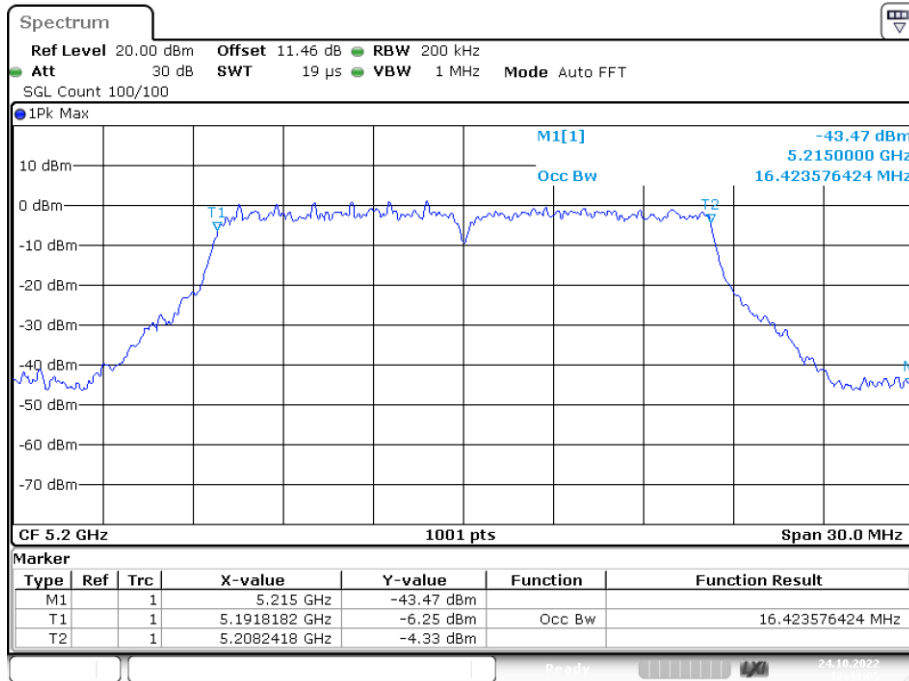
Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)
NVNT	a	5180	Ant1	16.394
NVNT	a	5200	Ant1	16.424
NVNT	a	5240	Ant1	16.394
NVNT	ac20	5180	Ant1	17.592
NVNT	ac20	5200	Ant1	17.682
NVNT	ac20	5240	Ant1	17.562
NVNT	ac40	5190	Ant1	35.724
NVNT	ac40	5230	Ant1	35.784
NVNT	ac80	5210	Ant1	75.165
NVNT	n20	5180	Ant1	17.622
NVNT	n20	5200	Ant1	17.652
NVNT	n20	5240	Ant1	17.562
NVNT	n40	5190	Ant1	36.563
NVNT	n40	5230	Ant1	35.724

OBW NVNT a 5180MHz Ant1



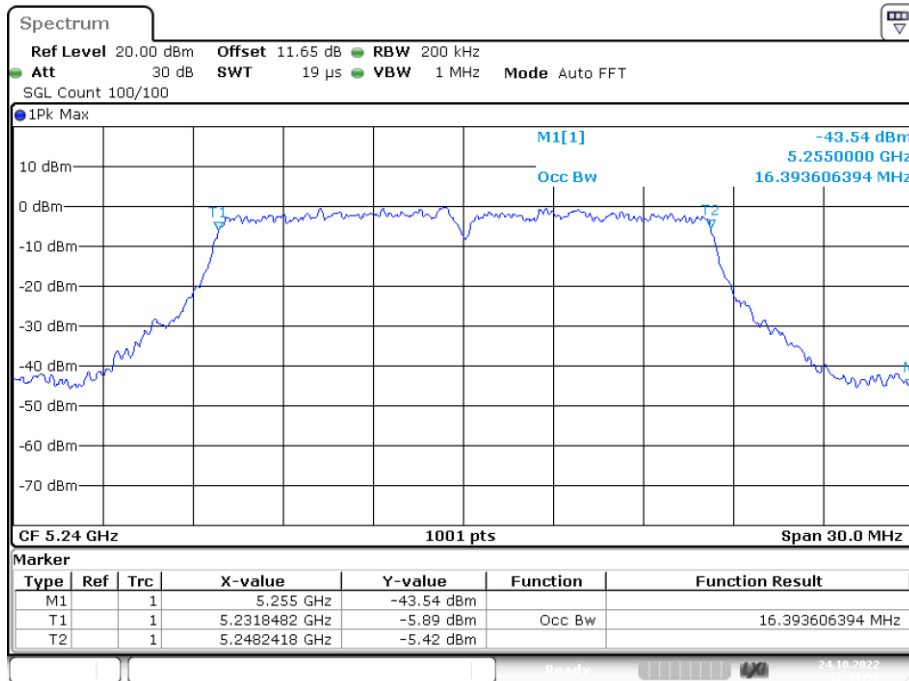
Date: 24.OCT.2022 12:39:26

OBW NVNT a 5200MHz Ant1



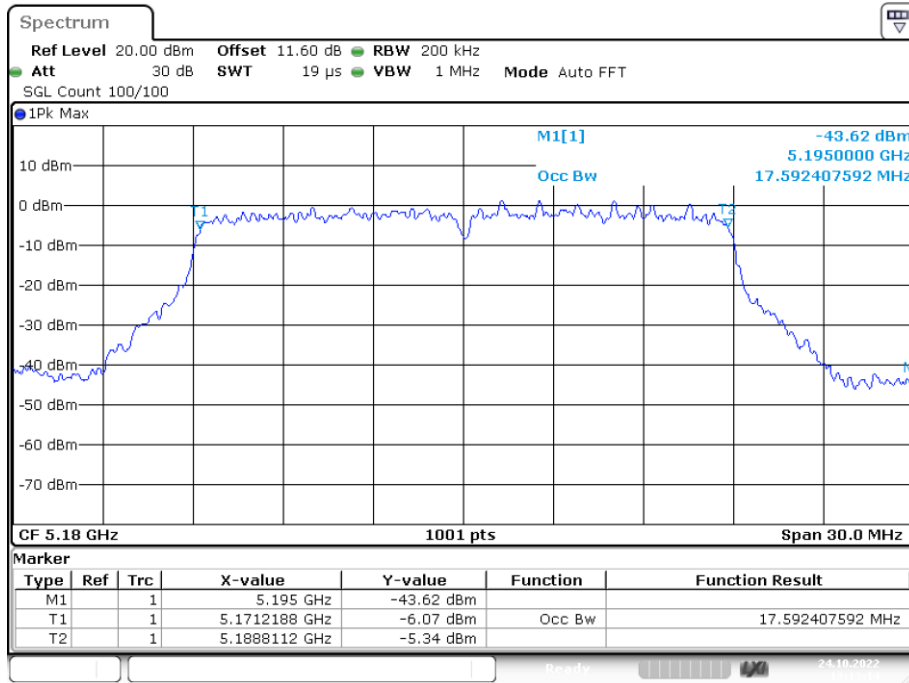
Date: 24.OCT.2022 12:44:05

OBW NVNT a 5240MHz Ant1

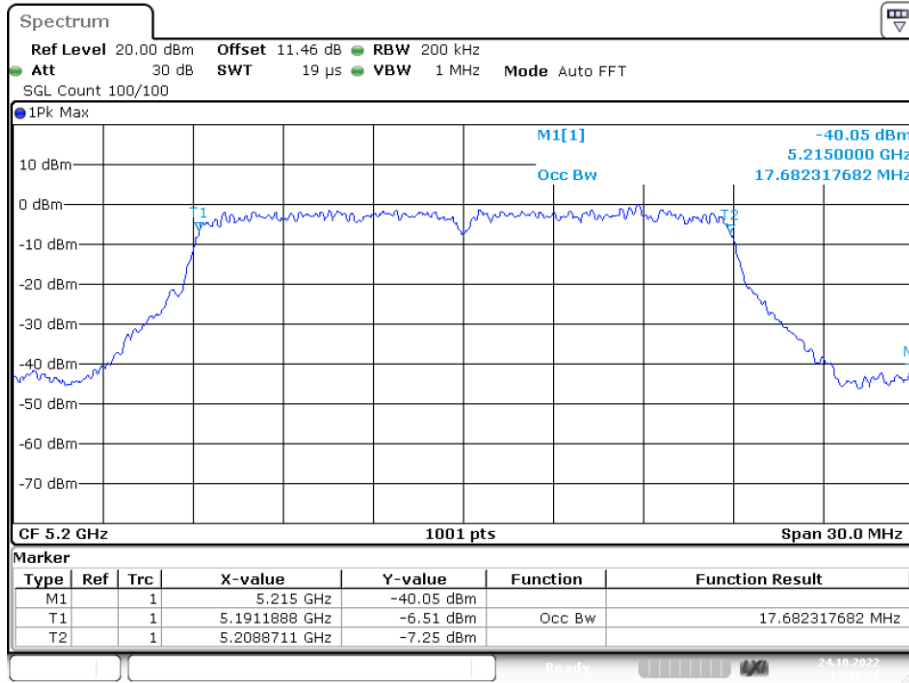


Date: 24.OCT.2022 12:51:50

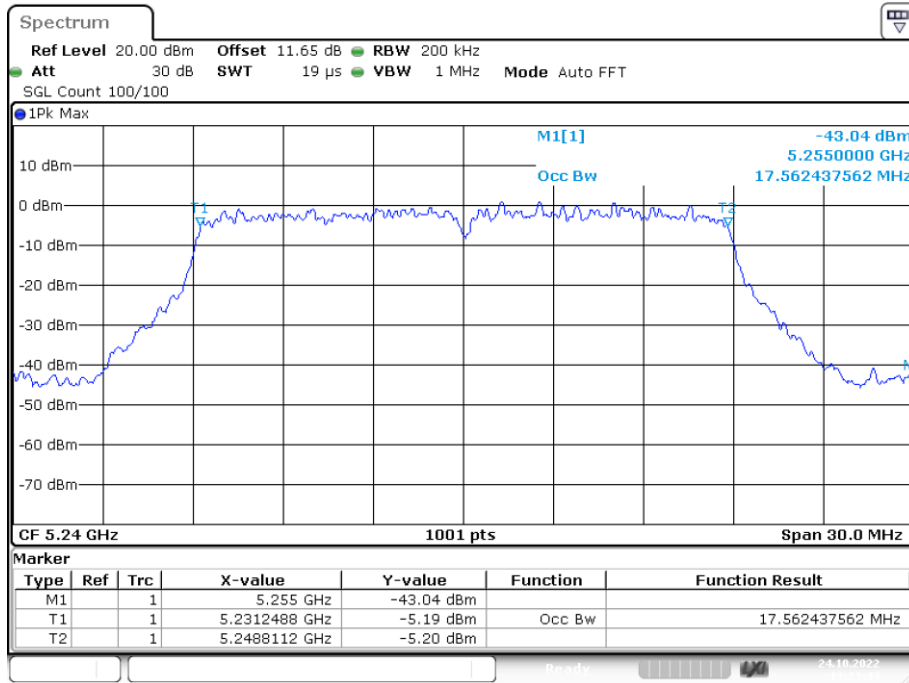
OBW NVNT ac20 5180MHz Ant1



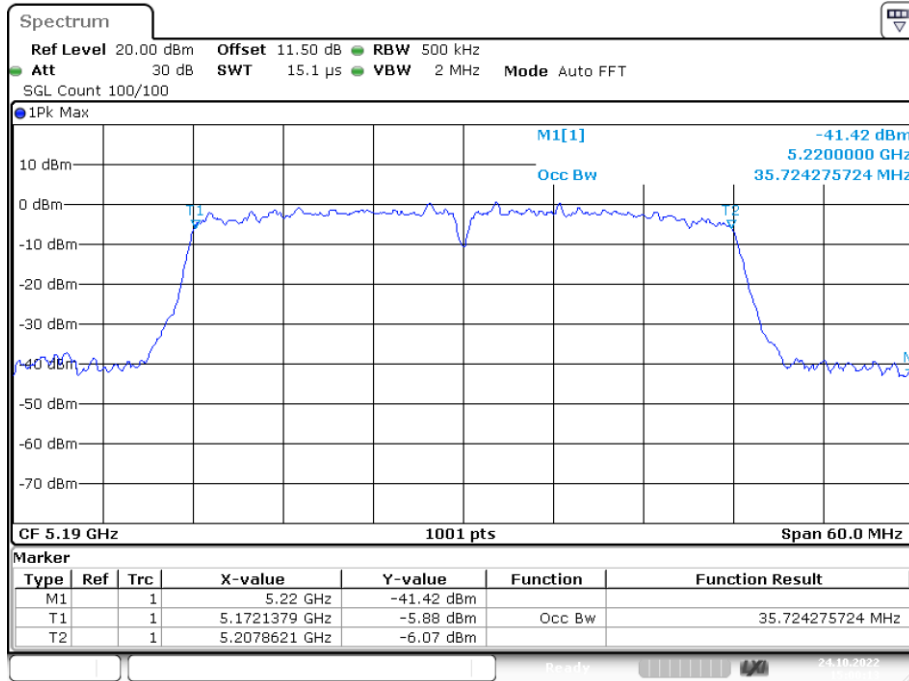
OBW NVNT ac20 5200MHz Ant1



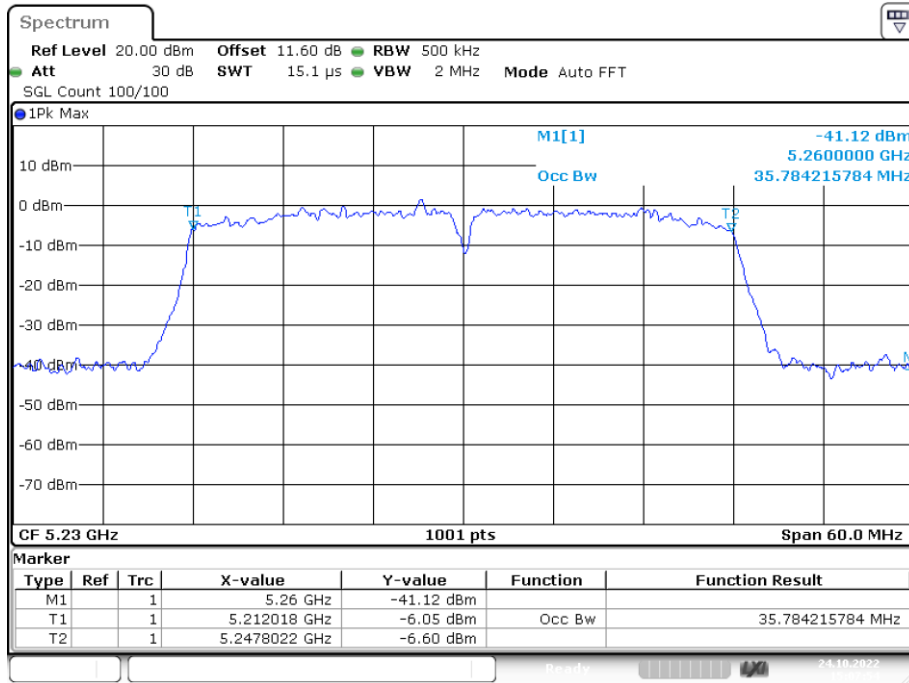
OBW NVNT ac20 5240MHz Ant1



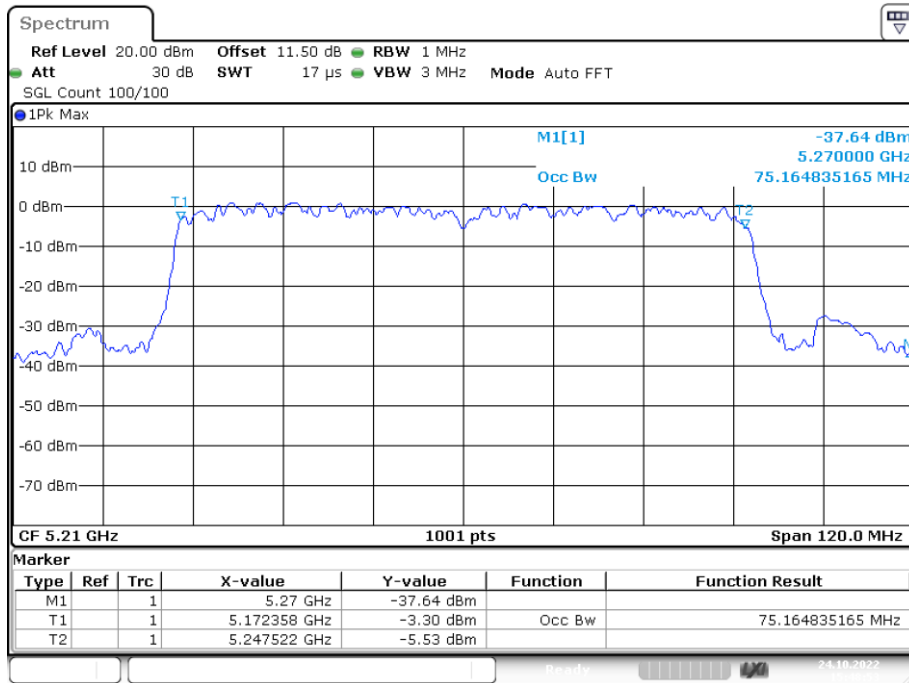
OBW NVNT ac40 5190MHz Ant1



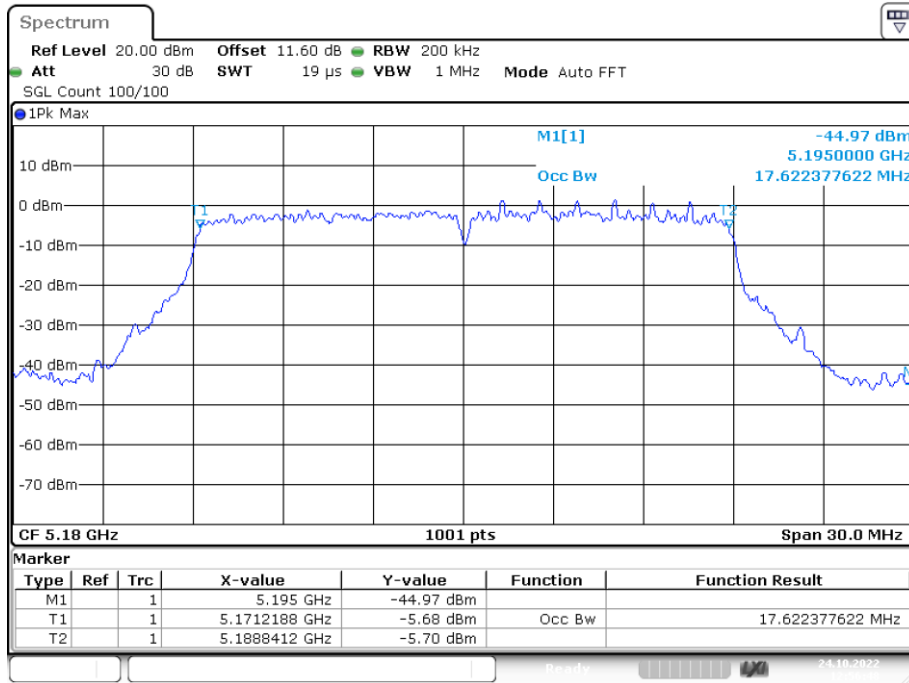
OBW NVNT ac40 5230MHz Ant1



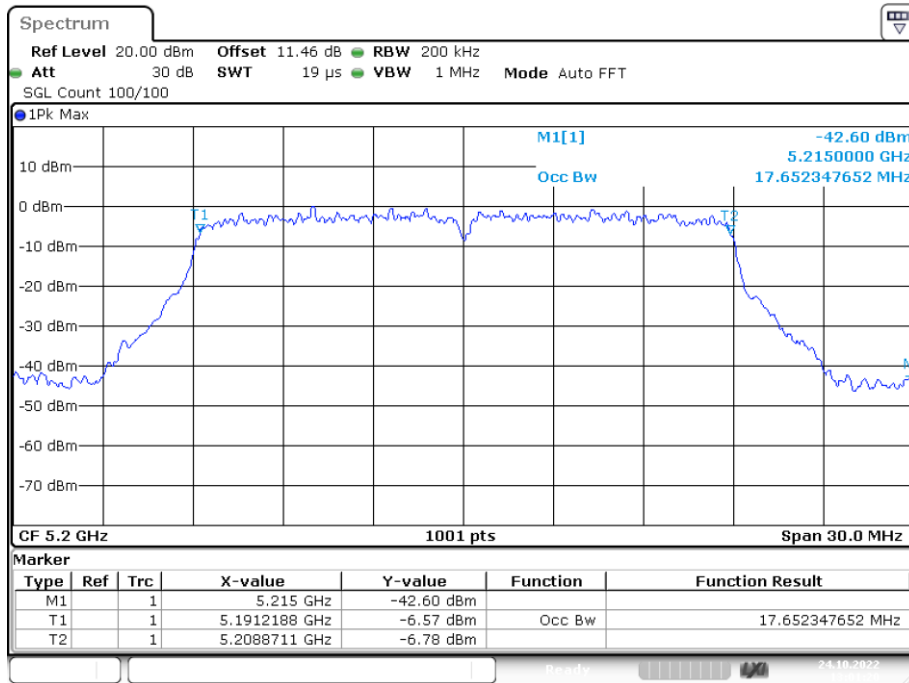
OBW NVNT ac80 5210MHz Ant1



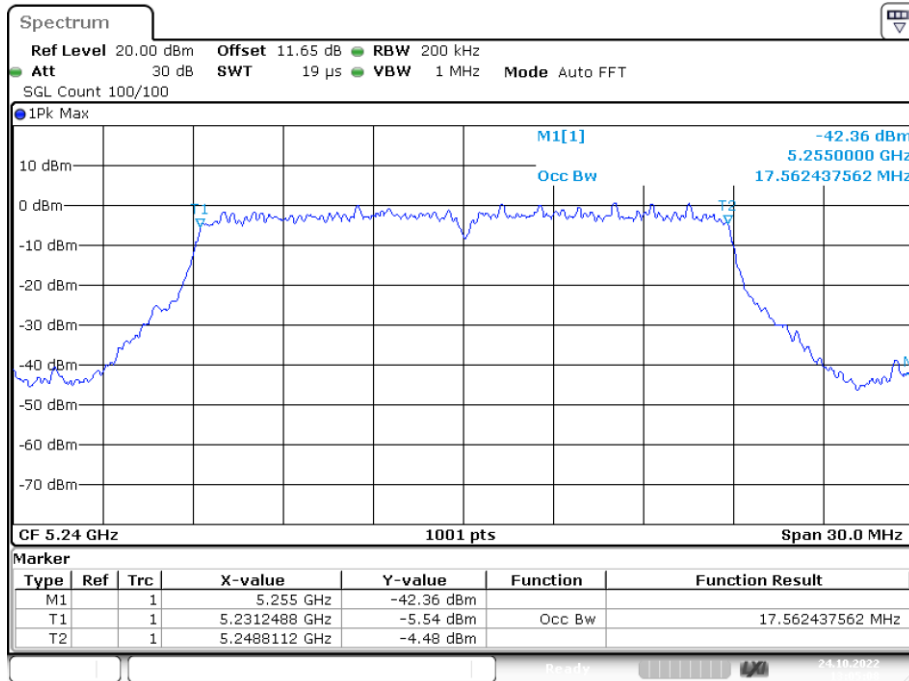
OBW NVNT n20 5180MHz Ant1



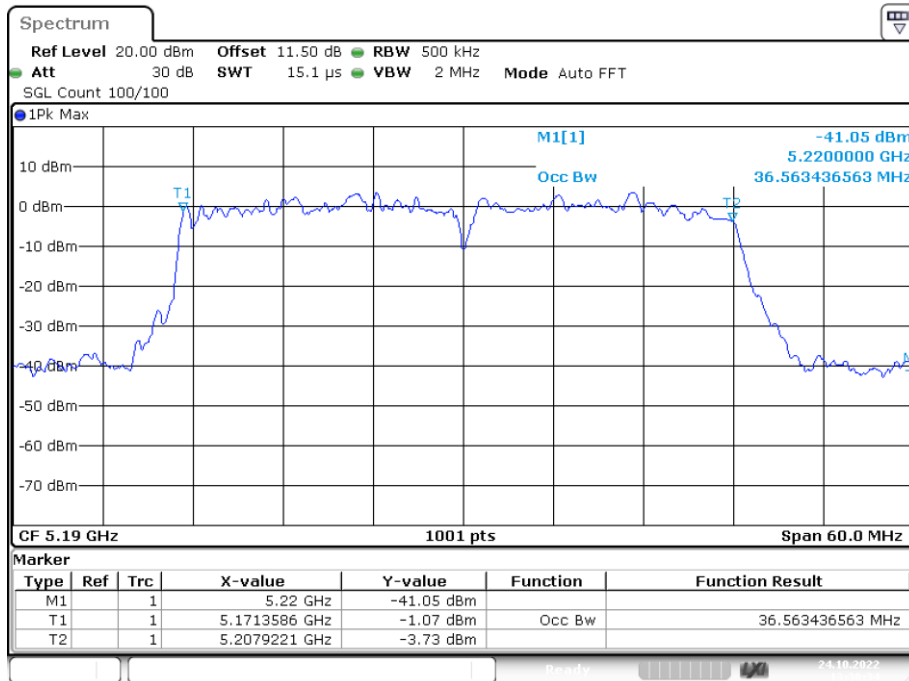
OBW NVNT n20 5200MHz Ant1



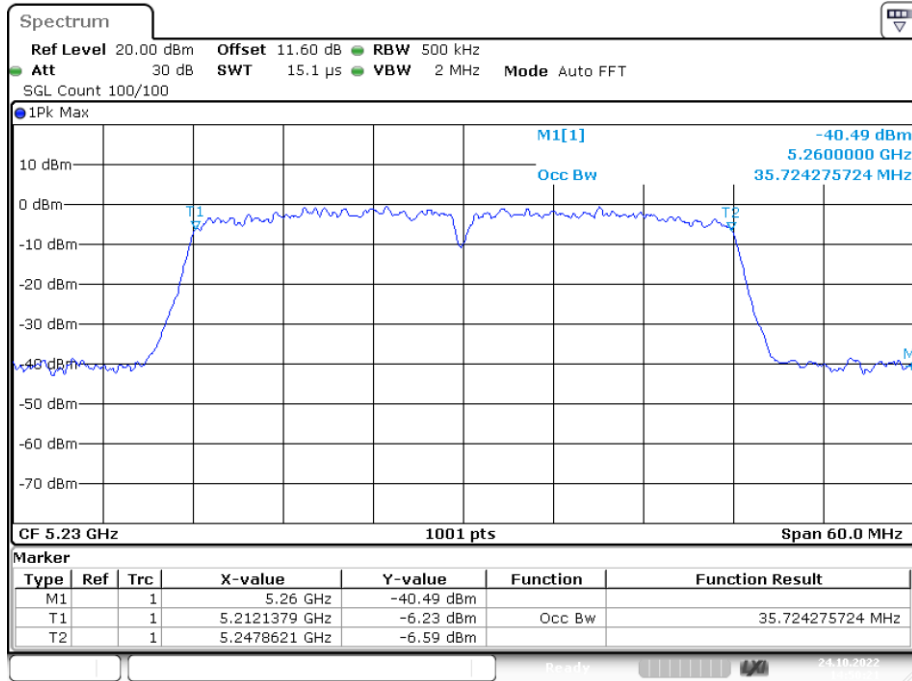
OBW NVNT n20 5240MHz Ant1



OBW NVNT n40 5190MHz Ant1

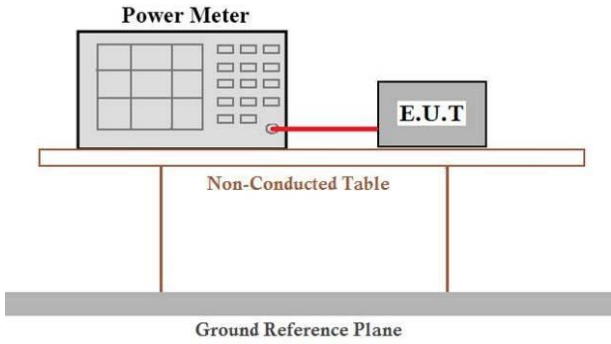


OBW NVNT n40 5230MHz Ant1



Date: 24.OCT.2022 14:50:21

4.4 Transmit Power

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	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.
Test setup:	 <p>The diagram illustrates the test setup. A Power Meter 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 two legs. Below the table is a Ground Reference Plane.</p>
Test procedure:	<p>Measurement using an RF average power meter</p> <ul style="list-style-type: none"> (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 <ul style="list-style-type: none"> 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**Module 1****Band 1 (5180 - 5240)**

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)						Verdict
			ANT1	ANT2	ANT3	ANT4	MIMO	Limit	
802.11a	SISO	5180	19.80	19.77	19.83	19.79	/	<=19.98	Pass
		5200	19.84	19.76	19.82	19.71	/	<=19.98	Pass
		5240	19.91	19.96	19.81	19.95	/	<=19.98	Pass
802.11n (HT20)	MIMO	5180	7.84	7.91	7.91	7.92	13.92	<=13.98	Pass
		5200	7.70	7.97	7.83	7.96	13.89	<=13.98	Pass
		5240	7.96	7.77	7.93	7.82	13.89	<=13.98	Pass
802.11n (HT40)	MIMO	5190	7.91	7.91	7.88	7.90	13.92	<=13.98	Pass
		5230	7.83	7.83	7.88	7.93	13.89	<=13.98	Pass
802.11ac (VHT20)	MIMO	5180	7.92	7.86	7.78	7.79	13.86	<=13.98	Pass
		5200	7.82	7.71	7.81	7.94	13.84	<=13.98	Pass
		5240	7.81	7.70	7.85	7.83	13.82	<=13.98	Pass
802.11ac (VHT40)	MIMO	5190	7.72	7.92	7.70	7.80	13.81	<=13.98	Pass
		5230	7.88	7.87	7.88	7.82	13.88	<=13.98	Pass
802.11ac (VHT80)	MIMO	5210	7.92	7.88	7.74	7.74	13.84	<=13.98	Pass

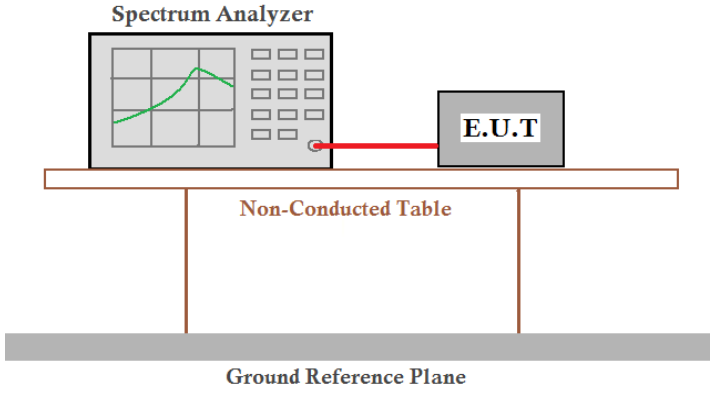
Module 2**Band 1 (5180 - 5240)**

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)						Verdict
			ANT1	ANT2	ANT3	ANT4	MIMO	Limit	
802.11a	SISO	5180	19.69	19.77	19.92	19.66	/	<=19.98	Pass
		5200	19.68	19.67	19.77	19.84	/	<=19.98	Pass
		5240	19.92	19.84	19.70	19.86	/	<=19.98	Pass
802.11n (HT20)	MIMO	5180	7.76	7.84	7.90	7.84	13.86	<=13.98	Pass
		5200	7.72	8.04	7.75	8.07	13.92	<=13.98	Pass
		5240	8.05	7.62	8.04	7.70	13.88	<=13.98	Pass
802.11n (HT40)	MIMO	5190	7.93	8.02	7.73	8.00	13.94	<=13.98	Pass
		5230	7.69	7.91	7.77	8.09	13.89	<=13.98	Pass
802.11ac (VHT20)	MIMO	5180	8.08	7.79	7.87	7.74	13.89	<=13.98	Pass
		5200	7.89	7.76	7.97	7.92	13.91	<=13.98	Pass
		5240	7.90	7.66	8.00	7.81	13.86	<=13.98	Pass
802.11ac (VHT40)	MIMO	5190	7.74	7.83	7.80	7.88	13.83	<=13.98	Pass
		5230	7.85	7.94	7.82	7.97	13.92	<=13.98	Pass
802.11ac (VHT80)	MIMO	5210	7.91	7.77	7.74	7.85	13.84	<=13.98	Pass

Note: 1. Single antenna gain=10dBi, so the Conducted Power Limit need to reduce 4dB.

2. Directional gain=16dBi, so the Conducted Power Limit need to reduce 10dB.

4.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	$\leq 11.00\text{dBm/MHz}$ for 5150MHz-5250MHz, 5250-5350MHz and 5470-5725 MHz $\leq 30.00\text{dBm/500KHz}$ for 5725MHz-5850MHz
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:	<ol style="list-style-type: none"> 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: <ol style="list-style-type: none"> 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
Module 1
Band 1 (5180 - 5240)

Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)						Limit	Verdict
			ANT1	ANT2	ANT3	ANT4	MIMO			
802.11a	SISO	5180	6.82	6.73	6.82	6.84	/	<=7	Pass	
		5200	6.65	6.75	6.82	6.88	/	<=7	Pass	
		5240	6.72	6.73	6.86	6.79	/	<=7	Pass	
802.11n (HT20)	MIMO	5180	-5.03	-5.05	-5.10	-5.12	0.95	<=1	Pass	
		5200	-5.14	-5.03	-5.03	-5.14	0.94	<=1	Pass	
		5240	-5.12	-5.08	-5.16	-5.12	0.90	<=1	Pass	
802.11n (HT40)	MIMO	5190	-5.05	-5.15	-5.01	-5.05	0.96	<=1	Pass	
		5230	-5.07	-5.12	-5.03	-5.07	0.95	<=1	Pass	
802.11ac (VHT20)	MIMO	5180	-5.00	-5.08	-5.09	-5.00	0.98	<=1	Pass	
		5200	-5.04	-5.10	-5.07	-5.04	0.96	<=1	Pass	
		5240	-5.16	-5.08	-5.06	-5.06	0.93	<=1	Pass	
802.11ac (VHT40)	MIMO	5190	-5.07	-5.12	-5.11	-5.07	0.93	<=1	Pass	
		5230	-5.08	-5.09	-5.06	-5.08	0.94	<=1	Pass	
802.11ac (VHT80)	MIMO	5210	-5.15	-5.15	-5.00	-5.15	0.91	<=1	Pass	

Module 2
Band 1 (5180 - 5240)

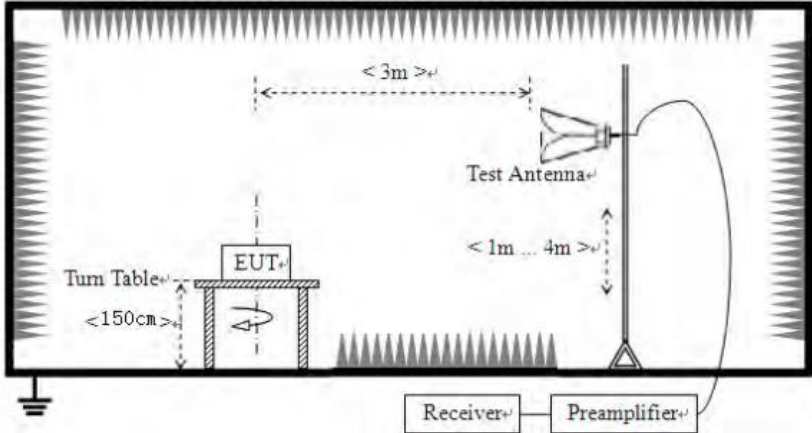
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)						Limit	Verdict
			ANT1	ANT2	ANT3	ANT4	MIMO			
802.11a	SISO	5180	6.87	6.67	6.97	6.87	/	<=7	Pass	
		5200	6.62	6.86	6.94	6.93	/	<=7	Pass	
		5240	6.58	6.69	6.90	6.72	/	<=7	Pass	
802.11n (HT20)	MIMO	5180	-5.18	-5.07	-5.06	-5.10	0.92	<=1	Pass	
		5200	-5.05	-5.11	-5.15	-5.20	0.89	<=1	Pass	
		5240	-5.03	-5.19	-5.30	-5.26	0.83	<=1	Pass	
802.11n (HT40)	MIMO	5190	-5.04	-5.03	-5.12	-5.10	0.95	<=1	Pass	
		5230	-5.06	-5.07	-5.16	-5.23	0.89	<=1	Pass	
802.11ac (VHT20)	MIMO	5180	-5.01	-5.05	-5.07	-5.16	0.95	<=1	Pass	
		5200	-5.06	-5.09	-5.23	-5.15	0.89	<=1	Pass	
		5240	-5.25	-5.03	-5.22	-5.01	0.89	<=1	Pass	
802.11ac (VHT40)	MIMO	5190	-5.05	-5.01	-5.18	-5.16	0.92	<=1	Pass	
		5230	-5.00	-5.06	-5.17	-5.11	0.94	<=1	Pass	
802.11ac (VHT80)	MIMO	5210	-5.30	-5.01	-5.07	-5.02	0.92	<=1	Pass	

Note: 1. Single antenna gain=10dBi, so the Conducted Power Limit need to reduce 4dB.

2. Directional gain=16dBi, so the Conducted Power Limit need to reduce 10dB.

4.6 Band Edge

Test Requirement:	FCC Part15 E Section 15.407 and 15.205				
Test Method:	ANSI C63.10:2013				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:					
	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
AV		1MHz	3MHz	Average Value	
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		54.0		Average Value
			68.2		Peak Value
<p>Undesirable emission limits:</p> <p>(1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz.</p> <p>(2) For transmitters operating in the 5.25-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27 dBm/MHz. Devices operating in the 5.25-5.35 GHz band that generate emissions in the 5.15-5.25 GHz band must meet all applicable technical requirements for operation in the 5.15-5.25 GHz band (including indoor use) or alternatively meet an out-of-band emission EIRP limit of -27 dBm/MHz in the 5.15-5.25 GHz band.</p> <p>(3) For transmitters operating in the 5.47-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.</p>					
Test Procedure:	<p>a. The EUT was placed on the top of a rotating table 1.5 m above the ground at a 3 meter chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</p> <p>b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</p> <p>c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</p> <p>d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</p> <p>e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</p>				
Test setup:	Above 1GHz				

	
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Remark:

According to KDB 789033 D02 v02r01 section G) 1) (d), for For measurements above 1000 MHz @ 3m distance, the limit of field strength is computed as follows:

$$E[\text{dBuV/m}] = \text{EIRP}[\text{dBm}] + 95.2,$$

For example, if EIRP = -27dBm

$$E[\text{dBuV/m}] = -27 + 95.2 = 68.2\text{dBuV/m}.$$

Measurement Data:**Module 1****Band1**

Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	35.29	17.18	52.47	68.20	-15.73	PK
V	5150.00	33.18	17.18	50.36	68.20	-17.84	PK
Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	26.53	17.18	43.71	54.00	-10.29	AV
V	5150.00	23.09	17.18	40.27	54.00	-13.73	AV
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	35.57	17.18	52.75	68.20	-15.45	PK
V	5350.00	34.27	17.18	51.45	68.20	-16.75	PK
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	26.43	17.18	43.61	54.00	-10.39	AV
V	5350.00	27.02	17.18	44.20	54.00	-9.80	AV

Mode:		802.11n(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	33.32	17.18	50.50	68.20	-17.70	PK
V	5150.00	36.55	17.18	53.73	68.20	-14.47	PK
Mode:		802.11n(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.99	17.18	42.17	54.00	-11.83	AV
V	5150.00	25.06	17.18	42.24	54.00	-11.76	AV
Mode:		802.11n(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.44	17.18	50.62	68.20	-17.58	PK
V	5350.00	32.03	17.18	49.21	68.20	-18.99	PK
Mode:		802.11n(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	25.33	17.18	42.51	54.00	-11.49	AV
V	5350.00	24.93	17.18	42.11	54.00	-11.89	AV

Mode:		802.11ac(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	32.79	17.18	49.97	68.20	-18.23	PK
V	5150.00	33.14	17.18	50.32	68.20	-17.88	PK
Mode:		802.11ac(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.27	17.18	42.45	54.00	-11.55	AV
V	5150.00	24.24	17.18	41.42	54.00	-12.58	AV
Mode:		802.11ac(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	34.99	17.18	52.17	68.20	-16.03	PK
V	5350.00	33.02	17.18	50.20	68.20	-18.00	PK
Mode:		802.11ac(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	23.24	17.18	40.42	54.00	-13.58	AV
V	5350.00	22.82	17.18	40.00	54.00	-14.00	AV

Mode:		802.11n(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	32.94	17.18	50.12	68.20	-18.08	PK
V	5150.00	31.27	17.18	48.45	68.20	-19.75	PK
Mode:		802.11n(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	28.09	17.18	45.27	54.00	-8.73	AV
V	5150.00	24.37	17.18	41.55	54.00	-12.45	AV
Mode:		802.11n(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	31.66	17.18	48.84	68.20	-19.36	PK
V	5350.00	36.46	17.18	53.64	68.20	-14.56	PK
Mode:		802.11n(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	23.16	17.18	40.34	54.00	-13.66	AV
V	5350.00	22.83	17.18	40.01	54.00	-13.99	AV

Mode:		802.11ac(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	36.18	17.18	53.36	68.20	-14.84	PK
V	5150.00	32.39	17.18	49.57	68.20	-18.63	PK
Mode:		802.11ac(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.46	17.18	42.64	54.00	-11.36	AV
V	5150.00	27.00	17.18	44.18	54.00	-9.82	AV
Mode:		802.11ac(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	31.69	17.18	48.87	68.20	-19.33	PK
V	5350.00	33.59	17.18	50.77	68.20	-17.43	PK
Mode:		802.11ac(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	25.89	17.18	43.07	54.00	-10.93	AV
V	5350.00	24.70	17.18	41.88	54.00	-12.12	AV

Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	31.69	17.18	48.87	68.20	-19.33	PK
V	5150.00	33.59	17.18	50.77	68.20	-17.43	PK
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.39	17.18	41.57	54.00	-12.43	AV
V	5150.00	23.94	17.18	41.12	54.00	-12.88	AV
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	34.74	17.18	51.92	68.20	-16.28	PK
V	5350.00	32.07	17.18	49.25	68.20	-18.95	PK
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	25.37	17.18	42.55	54.00	-11.45	AV
V	5350.00	25.97	17.18	43.15	54.00	-10.85	AV

Module 2**Band1**

Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	35.57	17.18	52.75	68.20	-15.45	PK
V	5150.00	35.94	17.18	53.12	68.20	-15.08	PK
Mode:		802.11a		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.13	17.18	42.31	54.00	-11.69	AV
V	5150.00	25.91	17.18	43.09	54.00	-10.91	AV
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	35.74	17.18	52.92	68.20	-15.28	PK
V	5350.00	33.09	17.18	50.27	68.20	-17.93	PK
Mode:		802.11a		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	27.42	17.18	44.60	54.00	-9.40	AV
V	5350.00	27.43	17.18	44.61	54.00	-9.39	AV

Mode:		802.11n(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	35.26	17.18	52.44	68.20	-15.76	PK
V	5150.00	36.66	17.18	53.84	68.20	-14.36	PK
Mode:		802.11n(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	26.36	17.18	43.54	54.00	-10.46	AV
V	5150.00	23.31	17.18	40.49	54.00	-13.51	AV
Mode:		802.11n(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	35.02	17.18	52.20	68.20	-16.00	PK
V	5350.00	31.87	17.18	49.05	68.20	-19.15	PK
Mode:		802.11n(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	27.72	17.18	44.90	54.00	-9.10	AV
V	5350.00	24.87	17.18	42.05	54.00	-11.95	AV

Mode:		802.11ac(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	32.86	17.18	50.04	68.20	-18.16	PK
V	5150.00	33.96	17.18	51.14	68.20	-17.06	PK
Mode:		802.11ac(HT20)		Frequency:		5180MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	23.47	17.18	40.65	54.00	-13.35	AV
V	5150.00	25.83	17.18	43.01	54.00	-10.99	AV
Mode:		802.11ac(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	32.72	17.18	49.90	68.20	-18.30	PK
V	5350.00	33.93	17.18	51.11	68.20	-17.09	PK
Mode:		802.11ac(HT20)		Frequency:		5240MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	24.46	17.18	41.64	54.00	-12.36	AV
V	5350.00	22.81	17.18	39.99	54.00	-14.01	AV

Mode:		802.11n(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	34.32	17.18	51.50	68.20	-16.70	PK
V	5150.00	33.14	17.18	50.32	68.20	-17.88	PK
Mode:		802.11n(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	24.88	17.18	42.06	54.00	-11.94	AV
V	5150.00	24.35	17.18	41.53	54.00	-12.47	AV
Mode:		802.11n(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	35.30	17.18	52.48	68.20	-15.72	PK
V	5350.00	34.68	17.18	51.86	68.20	-16.34	PK
Mode:		802.11n(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	27.03	17.18	44.21	54.00	-9.79	AV
V	5350.00	27.44	17.18	44.62	54.00	-9.38	AV

Mode:		802.11ac(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	32.35	17.18	49.53	68.20	-18.67	PK
V	5150.00	35.31	17.18	52.49	68.20	-15.71	PK
Mode:		802.11ac(HT40)		Frequency:		5190MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.18	17.18	42.36	54.00	-11.64	AV
V	5150.00	22.57	17.18	39.75	54.00	-14.25	AV
Mode:		802.11ac(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.26	17.18	50.44	68.20	-17.76	PK
V	5350.00	34.55	17.18	51.73	68.20	-16.47	PK
Mode:		802.11ac(HT40)		Frequency:		5230MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	27.59	17.18	44.77	54.00	-9.23	AV
V	5350.00	24.48	17.18	41.66	54.00	-12.34	AV

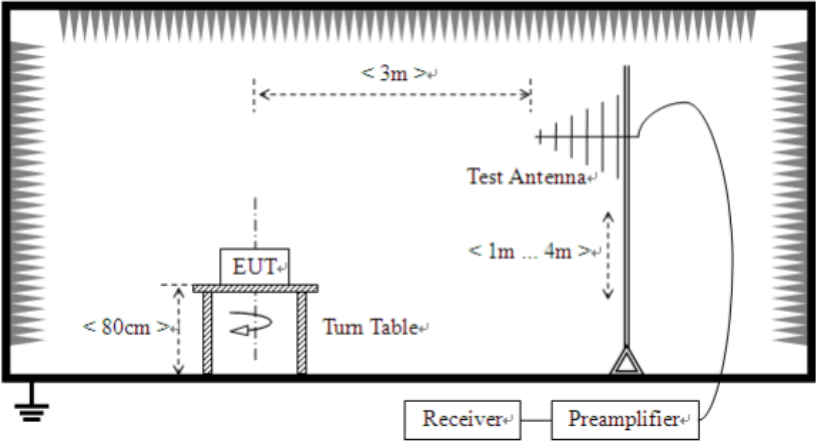
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	35.37	17.18	52.55	68.20	-15.65	PK
V	5150.00	36.67	17.18	53.85	68.20	-14.35	PK
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5150.00	25.04	17.18	42.22	54.00	-11.78	AV
V	5150.00	22.66	17.18	39.84	54.00	-14.16	AV
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	33.21	17.18	50.39	68.20	-17.81	PK
V	5350.00	34.34	17.18	51.52	68.20	-16.68	PK
Mode:		802.11ac(HT80)		Frequency:		5210MHz	
Antenna Pol.	Frequency (MHz)	Reading Level (dBuV)	Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over limit(dB)	Detector
H	5350.00	27.81	17.18	44.99	54.00	-9.01	AV
V	5350.00	25.16	17.18	42.34	54.00	-11.66	AV

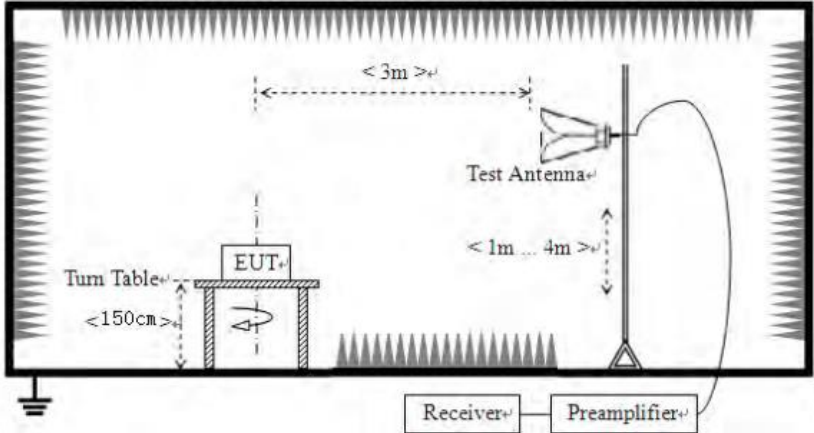
Note: 1. Except for mode a, other modes test the MIMO status.

2. Mode a represents the worst data of antenna 1.

4.7 Radiated Emission

Test Requirement:	FCC Part15 C Section 15.209 and 15.205				
Test Method:	ANSI C63.10:2013				
Test Frequency Range:	30MHz to 40GHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Value
	30MHz-1GHz	Quasi-peak	100KHz	300KHz	Quasi-peak Value
	Above 1GHz	Peak	1MHz	3MHz	Peak Value
AV		1MHz	3MHz	Average Value	
Limit:	Frequency		Limit (dBuV/m @3m)		Remark
	30MHz-88MHz		40.0		Quasi-peak Value
	88MHz-216MHz		43.5		Quasi-peak Value
	216MHz-960MHz		46.0		Quasi-peak Value
	960MHz-1GHz		54.0		Quasi-peak Value
	Above 1GHz		74.0		Peak Value
		54.0		Average Value	
Test Procedure:	<p>Substitution method was performed to determine the actual ERP emission levels of the EUT. The following test procedure as below:</p> <p>1>.Below 1GHz test procedure:</p> <ol style="list-style-type: none"> 1. The EUT was placed on the top of a rotating table (0.8m for below 1GHz and 1.5 meters for above 1GHz) above the ground at a 3 meter camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. 4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. 5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. 6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. <p>2>.Above 1GHz test procedure:</p> <ol style="list-style-type: none"> 1. On the test site as test setup graph above,the EUT shall be placed at the 1.5m support on the turntable and in the position closest to normal use as declared by the provider. 2. The test antenna shall be oriented initially for vertical polarization and shall be chosen to correspond to the frequency of the transmitter.The output of the test antenna shall be connected to the measuring receiver. 3. The transmitter shall be switched on, if possible, without modulation and the measuring receiver shall be tuned to the frequency of the transmitter under test. 4. The test antenna shall be raised and lowered from 1m to 4m until a 				

	<p>maximum signal level is detected by the measuring receiver. Then the turntable should be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.</p> <ol style="list-style-type: none"> 5. Repeat step 4 for test frequency with the test antenna polarized horizontally. 6. Remove the transmitter and replace it with a substitution antenna 7. Feed the substitution antenna at the transmitter end with a signal generator connected to the antenna by means of a nonradiating cable. With the antennas at both ends vertically polarized, and with the signal generator tuned to a particular test frequency, raise and lower the test antenna to obtain a maximum reading at the spectrum analyzer. Adjust the level of the signal generator output until the previously recorded maximum reading for this set of conditions is obtained. This should be done carefully repeating the adjustment of the test antenna and generator output. 8. Repeat step 7 with both antennas horizontally polarized for each test frequency. 9. Calculate power in dBm into a reference ideal half-wave dipole antenna by reducing the readings obtained in steps 7 and 8 by the power loss in the cable between the generator and the antenna, and further corrected for the gain of the substitution antenna used relative to an ideal half-wave dipole antenna by the following formula: $\text{EIRP(dBm)} = P_g(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dBi)}$ where: P_g is the generator output power into the substitution antenna.
Test setup:	<p>Below 1GHz</p>  <p>Above 1GHz</p>

	
Test Instruments:	Refer to section 5.10 for details
Test mode:	Refer to section 5.3 for details
Test results:	Pass

Measurement Data:**Below 1GHz**

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
33.45	48.31	11.25	0.59	30.08	30.07	40	-9.93	Vertical
55.30	41.32	11.93	0.81	29.96	24.10	40	-15.90	Vertical
121.10	46.69	9.4	1.36	29.57	27.88	43.5	-15.62	Vertical
172.79	42.81	8.5	1.7	29.31	23.70	43.5	-19.80	Vertical
440.92	37.21	16.29	3.05	29.41	27.14	46	-18.86	Vertical
860.73	33.44	21.83	4.69	29.14	30.82	46	-15.18	Vertical
64.27	36.45	8.73	0.9	29.89	16.19	40	-23.81	Horizontal
100.03	33.94	11.73	1.19	29.7	17.16	43.5	-26.34	Horizontal
269.68	45.96	12.53	2.22	29.79	30.92	46	-15.08	Horizontal
351.28	36.50	14.5	2.62	29.73	23.89	46	-22.11	Horizontal
628.26	35.88	19.43	3.83	29.27	29.87	46	-16.13	Horizontal
956.32	41.46	22.54	5.06	29.1	39.96	46	-6.04	Horizontal

Above 1GHz:**802.11a(HT20) 5180MHz**

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.71	28.75	11.25	14.62	32.65	21.97	74	-52.03	Vertical
15540.33	30.59	11.93	17.66	34.46	25.72	74	-48.28	Vertical
10360.48	32.70	9.4	14.62	32.65	24.07	74	-49.93	Horizontal
15540.81	32.32	8.5	17.66	34.46	24.02	74	-49.98	Horizontal

802.11a(HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.88	28.45	16.29	14.62	32.65	26.71	74	-47.29	Vertical
15540.24	30.40	21.83	17.66	34.46	35.43	74	-38.57	Vertical
10360.00	32.46	8.73	14.62	32.65	23.16	74	-50.84	Horizontal
15540.20	31.61	11.73	17.66	34.46	26.54	74	-47.46	Horizontal

802.11a(HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.14	28.23	11.25	14.62	32.65	21.45	74	-52.55	Vertical
15540.30	30.69	11.93	17.66	34.46	25.82	74	-48.18	Vertical
10360.32	32.88	9.4	14.62	32.65	24.25	74	-49.75	Horizontal
15540.77	32.10	8.5	17.66	34.46	23.80	74	-50.20	Horizontal

802.11n(HT20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.63	28.27	16.29	14.62	32.65	26.53	74	-47.47	Vertical
15540.61	30.52	21.83	17.66	34.46	35.55	74	-38.45	Vertical
10360.03	32.75	8.73	14.62	32.65	23.45	74	-50.55	Horizontal
15540.81	32.04	11.73	17.66	34.46	26.97	74	-47.03	Horizontal

802.11n(HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.23	28.53	11.25	14.62	32.65	21.75	74	-52.25	Vertical
15540.09	30.73	11.93	17.66	34.46	25.86	74	-48.14	Vertical
10360.65	32.79	9.4	14.62	32.65	24.16	74	-49.84	Horizontal
15540.66	31.90	8.5	17.66	34.46	23.60	74	-50.40	Horizontal

802.11n(HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.18	28.85	16.29	14.62	32.65	27.11	74	-46.89	Vertical
15540.50	30.49	21.83	17.66	34.46	35.52	74	-38.48	Vertical
10360.52	32.35	8.73	14.62	32.65	23.05	74	-50.95	Horizontal
15540.67	31.80	11.73	17.66	34.46	26.73	74	-47.27	Horizontal

802.11ac(HT20) 5180MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.74	28.29	11.25	14.62	32.65	21.51	74	-52.49	Vertical
15540.99	30.97	11.93	17.66	34.46	26.10	74	-47.90	Vertical
10360.52	32.38	9.4	14.62	32.65	23.75	74	-50.25	Horizontal
15540.59	32.04	8.5	17.66	34.46	23.74	74	-50.26	Horizontal

802.11ac(HT20) 5200MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.05	28.64	16.29	14.62	32.65	26.90	74	-47.10	Vertical
15540.41	30.25	21.83	17.66	34.46	35.28	74	-38.72	Vertical
10360.51	32.22	8.73	14.62	32.65	22.92	74	-51.08	Horizontal
15540.82	31.53	11.73	17.66	34.46	26.46	74	-47.54	Horizontal

802.11ac(HT20) 5240MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.60	28.65	11.25	14.62	32.65	21.87	74	-52.13	Vertical
15540.38	30.37	11.93	17.66	34.46	25.50	74	-48.50	Vertical
10360.84	32.68	9.4	14.62	32.65	24.05	74	-49.95	Horizontal
15540.83	32.25	8.5	17.66	34.46	23.95	74	-50.05	Horizontal

802.11n(HT40) 5190MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.89	28.29	16.29	14.62	32.65	26.55	74	-47.45	Vertical
15540.40	31.16	21.83	17.66	34.46	36.19	74	-37.81	Vertical
10360.38	32.92	8.73	14.62	32.65	23.62	74	-50.38	Horizontal
15540.93	31.88	11.73	17.66	34.46	26.81	74	-47.19	Horizontal

802.11n(HT40) 5230MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.91	28.92	11.25	14.62	32.65	22.14	74	-51.86	Vertical
15540.45	30.50	11.93	17.66	34.46	25.63	74	-48.37	Vertical
10360.23	32.72	9.4	14.62	32.65	24.09	74	-49.91	Horizontal
15540.92	32.35	8.5	17.66	34.46	24.05	74	-49.95	Horizontal

802.11ac(HT40) 5190MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.98	28.68	16.29	14.62	32.65	26.94	74	-47.06	Vertical
15540.62	30.82	21.83	17.66	34.46	35.85	74	-38.15	Vertical
10360.62	32.35	8.73	14.62	32.65	23.05	74	-50.95	Horizontal
15540.53	31.92	11.73	17.66	34.46	26.85	74	-47.15	Horizontal

802.11ac(HT40) 5230MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.16	28.19	11.25	14.62	32.65	21.41	74	-52.59	Vertical
15540.48	30.83	11.93	17.66	34.46	25.96	74	-48.04	Vertical
10360.21	32.91	9.4	14.62	32.65	24.28	74	-49.72	Horizontal
15540.70	31.79	8.5	17.66	34.46	23.49	74	-50.51	Horizontal

802.11ac(HT80) 5210MHz

Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	polarization
10360.49	28.21	16.29	14.62	32.65	26.47	74	-47.53	Vertical
15540.24	30.64	21.83	17.66	34.46	35.67	74	-38.33	Vertical
10360.24	33.04	8.73	14.62	32.65	23.74	74	-50.26	Horizontal
15540.71	32.31	11.73	17.66	34.46	27.24	74	-46.76	Horizontal

Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.
2. The test trace is same as the ambient noise (the test frequency range: 18GHz~40GHz), therefore no data appear in the report.
3. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.
4. This Report only show the test plots of the worst case.

4.8 Frequency stability

Test limit	Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.
Test results:	Pass

Measurement Data:

Module 1

Mode	Voltage (V)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
Band 1 (5150-5250 MHz)	AC 108V	5179.993	7	5239.995	5
	AC 120V	5179.993	7	5239.993	7
	AC 132V	5179.996	4	5239.996	4
	AC 132V	5179.994	6	5239.994	6
Mode	Temperature (°C)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
Band 1 (5150-5250 MHz)	20	5179.996	4	5239.996	4
	-30	5179.997	3	5239.993	7
	-20	5179.991	9	5239.991	9
	-10	5179.996	4	5239.992	8
	0	5179.993	7	5239.996	4
	10	5179.995	5	5239.996	4
	30	5179.995	5	5239.994	6
	40	5179.993	7	5239.998	2
	50	5179.997	3	5239.995	5

Module 2

Mode	Voltage (V)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
Band 1 (5150-5250 MHz)	AC 108V	5179.992	8	5239.996	4
	AC 120V	5179.995	5	5239.996	4
	AC 132V	5179.992	8	5239.998	2
	AC 132V	5179.997	3	5239.995	5
Mode	Temperature (°C)	FHL (5180MHz)	Deviation (KHz)	FHH (5240MHz)	Deviation (KHz)
Band 1 (5150-5250 MHz)	20	5179.996	4	5239.994	6
	-30	5179.996	4	5239.997	3
	-20	5179.994	6	5239.992	8
	-10	5179.994	6	5239.993	7
	0	5179.992	8	5239.993	7
	10	5179.998	2	5239.993	7
	30	5179.995	5	5239.995	5
	40	5179.993	7	5239.995	5
	50	5179.999	1	5239.998	2

5 Photos of Setup and EUT

For more detailed photos, please refer to: test setup photos, external photos and internal photos.

-----END OF REPORT-----