REPORT No.: SZ23100334W08

TEST REPORT

APPLICANT	:	Sonim Technologies, Inc.
PRODUCT NAME	:	Mobile Hotspot
MODEL NAME	:	H500B
BRAND NAME	:	Sonim
FCC ID	:	WYPH500B
STANDARD(S)	:	47 CFR Part 15 Subpart E
RECEIPT DATE	:	2023-11-01
TEST DATE	:	2023-11-06 to 2024-01-04
ISSUE DATE	:	2024-01-29

Edited by: Zeng Xiaoying (Rapporteur)

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DIRECTORY

Change History		
Version	**Date**	**Reason for change**
1.0	2024-01-29	First edition

1. Summary of Test Result

No.	Section	Description	Test Date	Test Engineer	Result	Method Determination /Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	No deviation
2	ANSI C63.10	Duty Cycle of the Test Signal	Nov. 13&15, 2023	Zhong Yanshan	PASS	No deviation
3	15.407(a)	Maximum Conducted Output Power	Nov. 13&15, 2023	Zhong Yanshan	PASS	No deviation
4	15.407(a) (e)	Emission Bandwidth	Nov. 13&15, 2023	Zhong Yanshan	PASS	No deviation
5	15.407(a)	Peak Power Spectral Density	Nov. 13&15, 2023	Zhong Yanshan	PASS	No deviation
6	15.407(g)	Frequency Stability	Jan. 04, 2023	Zhong Yanshan	PASS	No deviation
7	15.207	Conducted Emission	Dec. 01, 2023	Wang Deyong	PASS	No deviation
8	15.407(b)	Restricted Frequency Bands	Dec. 11&18, 2023	Gao Jianrou	PASS	No deviation
9	15.407(b)	Radiated Emission	Dec. 09&19, 2023	Gao Jianrou	PASS	No deviation

Note 1: The tests of Conducted Emission and Radiated Emission were performed according to the method of measurements prescribed in ANSI C63.10 2013.

Note 2: These RF tests were performed according to the method of measurements prescribed in KDB 789033 D02 v02r01.

Note 3: These RF tests were performed according to the method of measurements prescribed in KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02.

Note 4: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 5: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.

1.1. Testing Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

• 47 CFR Part 15 Subpart E Radio Frequency Devices

1.2. Test Equipment List

1.2.1 Conducted Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analzyer	MY53470836	N9010A	Agilent	2023.02.27	2024.02.26
USB Wideband Power Sensor	MY54180008	U2021XA	Agilent	2023.10.17	2024.10.16
Temperature Chamber	12108015	DTL-003S 101	YOMA	2023.09.19	2024.09.18
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
Coaxial Cable	CB02	RF02	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
Attenuator	MTJ6004-10	10dB	MTJ cooperation	N/A	N/A

1.2.2 Conducted Emission Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2023.02.09	2024.02.08
LISN	8127449	NSLK 8127	Schwarzbeck	2023.02.21	2024.02.20
Pulse Limiter (10dB)	VTSD 9561 F-B #206	VTSD 9561-F	Schwarzbeck	2023.06.27	2024.06.26
RF Coaxial Cable (DC-100MHz)	BNC	MRE04	Qualwave	N/A	N/A

1.2.3 List of Software Used

Description	Manufacturer	Software Version
Test System	MaiWei	2.0.0.0
Morlab EMCR V1.2	Morlab	V1.0
TS+ -[JS32-CE]	Tonscend	V2.5.0.0

1.2.4 Radiated Test Equipments

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY54130016	N9038A	Agilent	2023.06.21	2024.06.20
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2022.05.25	2025.05.24
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2022.02.11	2025.02.10
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2022.07.13	2025.07.12
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2022.07.14	2025.07.13
Preamplifier (10MHz-6GHz)	46732	S10M100L3802	LUCIX CORP.	2023.06.26	2024.06.27
Preamplifier (2GHz-18GHz)	61171/61172	S020180L3203	LUCIX CORP.	2023.06.26	2024.06.27
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2023.07.04	2024.07.03
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2023.06.27	2024.06.26
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2023.06.27	2024.06.26
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2023.06.27	2024.06.26
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2023.07.04	2024.07.03
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2023.07.04	2024.07.03
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2023.07.04	2024.07.03
Notch Filter	N/A	WRCG-5150-5350	Wainwright	N/A	N/A
Notch Filter	N/A	WRCG-5470-5725	Wainwright	N/A	N/A
Notch Filter	N/A	WRCG-5725-5850	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.05.10	2025.05.09

1.3. Measurement Uncertainty

Test Items	Uncertainty	Remark
Peak Output Power	±2.22dB	Confidence levels of 95%
Power Spectral Density	±2.22dB	Confidence levels of 95%
Bandwidth	±5%	Confidence levels of 95%
Restricted Frequency Bands	±5%	Confidence levels of 95%
Radiated Emission	±2.95dB	Confidence levels of 95%
Conducted Emission	±2.44dB	Confidence levels of 95%

1.4. Testing Laboratory

Laboratory Name	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
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FCC Designation Number	CN1192
FCC Test Firm Registration Number	226174

2. General Description

2.1. Information of Applicant and Manufacturer

Applicant	Sonim Technologies, Inc.
Applicant Address	4445 Eastgate Mall, Suite 200, San Diego, CA 92121, USA
Manufacturer	Sonim Technologies, Inc.
Manufacturer Address	4445 Eastgate Mall, Suite 200, San Diego, CA 92121, USA

2.2. Information of EUT

Product Name:	Mobile Hotspot	
Sample No.:	1#	
Hardware Version:	V1.0	
Software Version:	H50.0-01-5.4.0-11.08.00	
Modulation Technology:	OFDM, OFDMA	
Modulation Mode:	802.11a, 802.11n (HT20), 802.11n (HT40) 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80) 802.11ax (HEW20), 802.11ax (HEW40), 802.11ax (HEW80)	
Operating Frequency Range:	5180MHz-5240MHz; 5745MHz-5825MHz	
Antenna Type:	PIFA Antenna	
Antenna Gain:	ANT 1: 1.27dBi; ANT 2: 1.98dBi	
Directional Gain:	4.64dBi Note 2	
Accessory Information:	Battery	
	Brand Name:	sonim
	Model No.:	BAT-06000-01S
	Serial No.:	N/A
	Capacity:	6000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	Guangdong Fenghua New Energy Co.,Ltd.

Accessory Information:	AC Adapter	
	Brand Name:	N/A
	Model No.:	1-CHUSQ302-097
	Serial No.:	N/A
	Rated Output:	5V⎓3A or 9V⎓2A or 12V⎓1.5A
	Rated Input:	100-240V~50/60Hz, 0.5A
	Manufacturer:	HUIZHOU PUAN ELEOTRONICS CO.,LTD

Note 1: The EUT supports a MIMO function. Physically, the EUT provides two completed transmitters and two receivers for 802.11n, 802.11ac and 802.11ax modulation mode.

Modulation Mode:	**TX Function**
802.11a	1TX
802.11n	2TX
802.11ac	2TX
802.11ax	2TX

Note 2: According to KDB 662911 D01, the directional gain = $10\log[(10^{G0/20}+10^{G1/20})^2/2$ = 4.64dBi.

Note 3: All radiation test items for 802.11n, 802.11ac and 802.11ax modulation mode operate at MIMO mode during the test. Other modulation mode operate at SISO mode, both of the two antennas were tested separately, we only recorded the worst test result(ANT 1) in this report.

Note 4: We use the dedicated software to control the EUT continuous transmission.

Note 5: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

2.3. Channel List of EUT

(U-NII-1) 5180MHz-5240MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	**36**	**5180**	40	5200
	44	**5220**	**48**	**5240**
40MHz	**38**	**5190**	**46**	**5230**
80MHz	**42**	**5210**		
(U-NII-3) 5745MHz-5825MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	**149**	**5745**	153	5765
	157	**5785**	161	5805
	165	**5825**		
40MHz	**151**	**5775**	**159**	**5795**
80MHz	**155**	**5775**		

Note 1: The black bold channels were selected for test.

2.4. Test Configuration of EUT

2.4.1.Modulation Type and Data Rate of EUT

Mode	Bandwidth (MHz)	Modulation Technology	Modulation Type	Data Rate	RU Size
802.11a	20	OFDM	**DBPSK**	**1**/2/5.5/11Mbps	N/A
			DQPSK		
			CCK		
802.11n	20/40 (HT20/40)	OFDM	**BPSK**	**MCS0**~MCS7	N/A
			QPSK		
			16QAM		
			64QAM		
802.11ac	20/40/80 (VHT20/40/80)	OFDM	**BPSK**	**MSC0**~MCS9	N/A
			QPSK		
			16QAM		
			64QAM		
			256QAM		
802.11ax	20/40/80 (HEW20/40/80)	OFDMA	**BPSK**	**MSC0**~MCS11	26/52/106/242/ 484/996
			QPSK		
			16QAM		
			64QAM		
			256QAM		
			1024QAM		

Note1: The worst-case mode (bold face) in all data rates has been determined during the pre-scan, only the test data of the worst-case were recorded in this report.

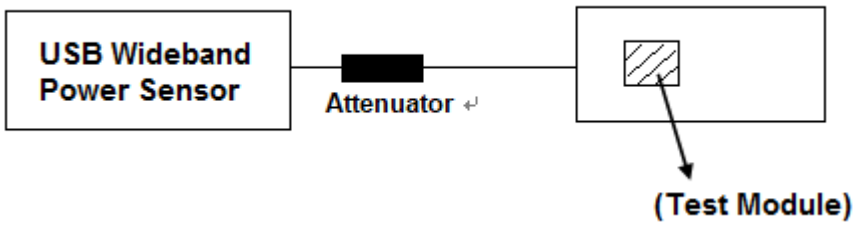
2.5. Test Conditions

Temperature (°C)	15-35
Relative Humidity (%)	30-60
Atmospheric Pressure (kPa)	86-106

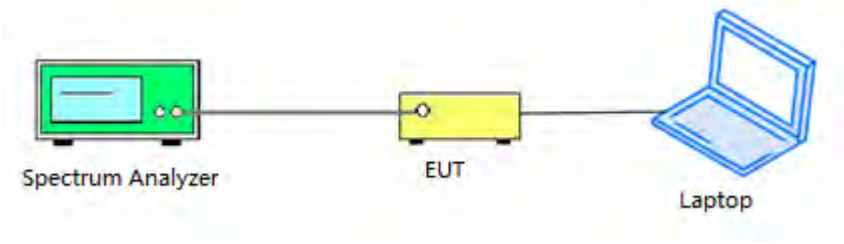
2.6. Test Setup Layout Diagram

2.6.1.Conducted Measurement

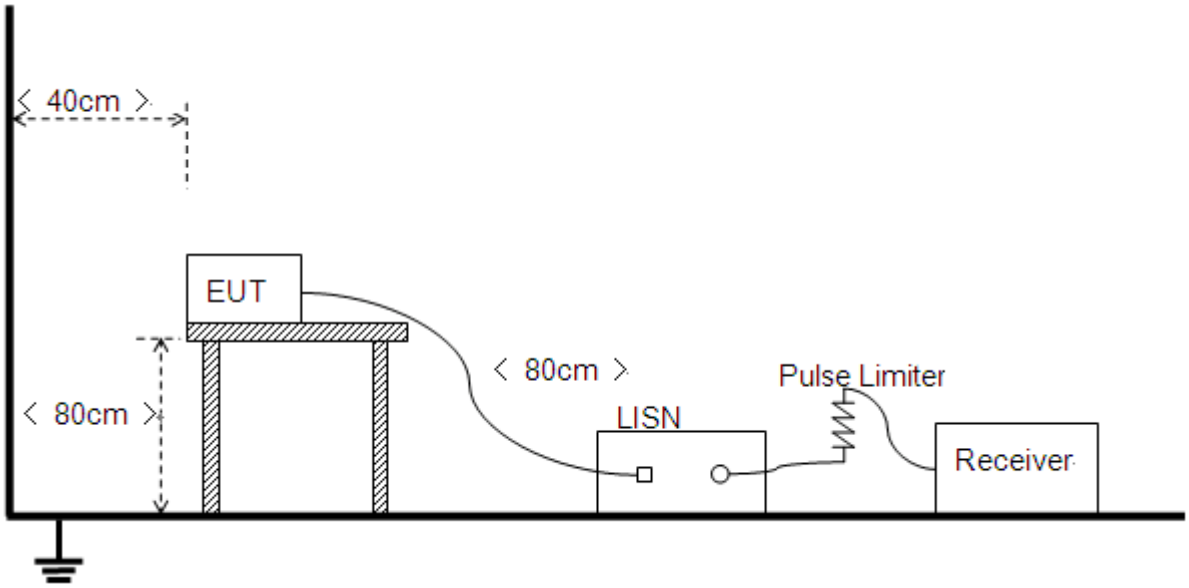
For power item that BW below 80MHz system:



For power item that BW equal or above 80MHz and other items:

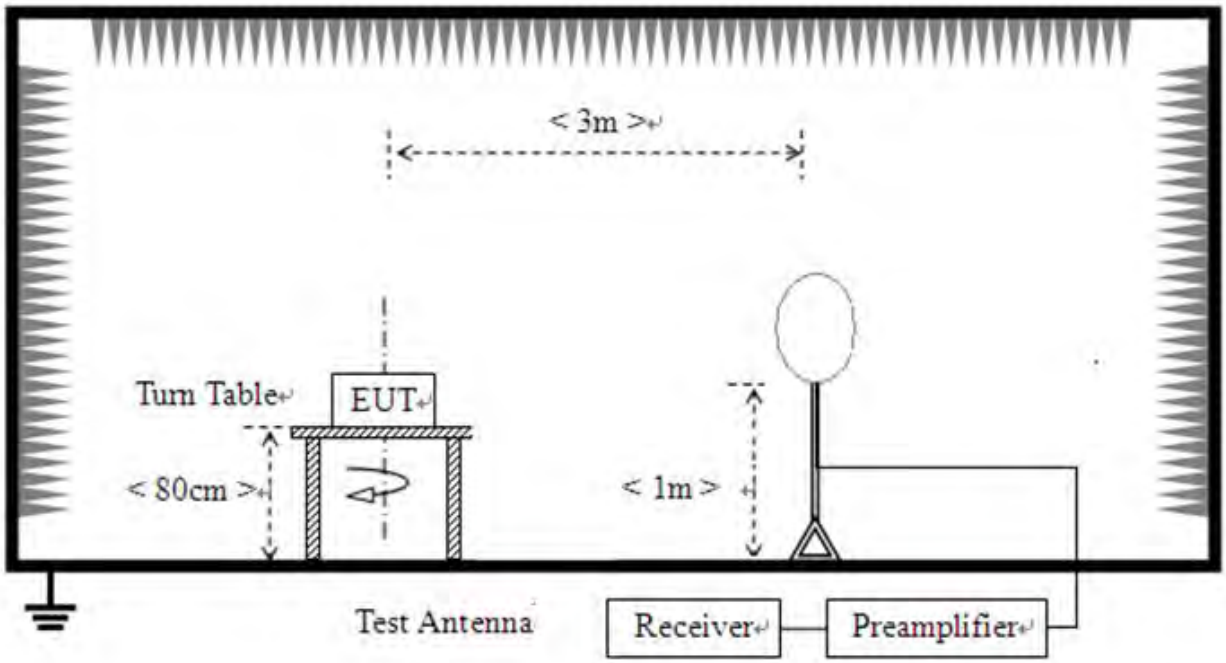


2.6.2.Conducted Emission Measurement

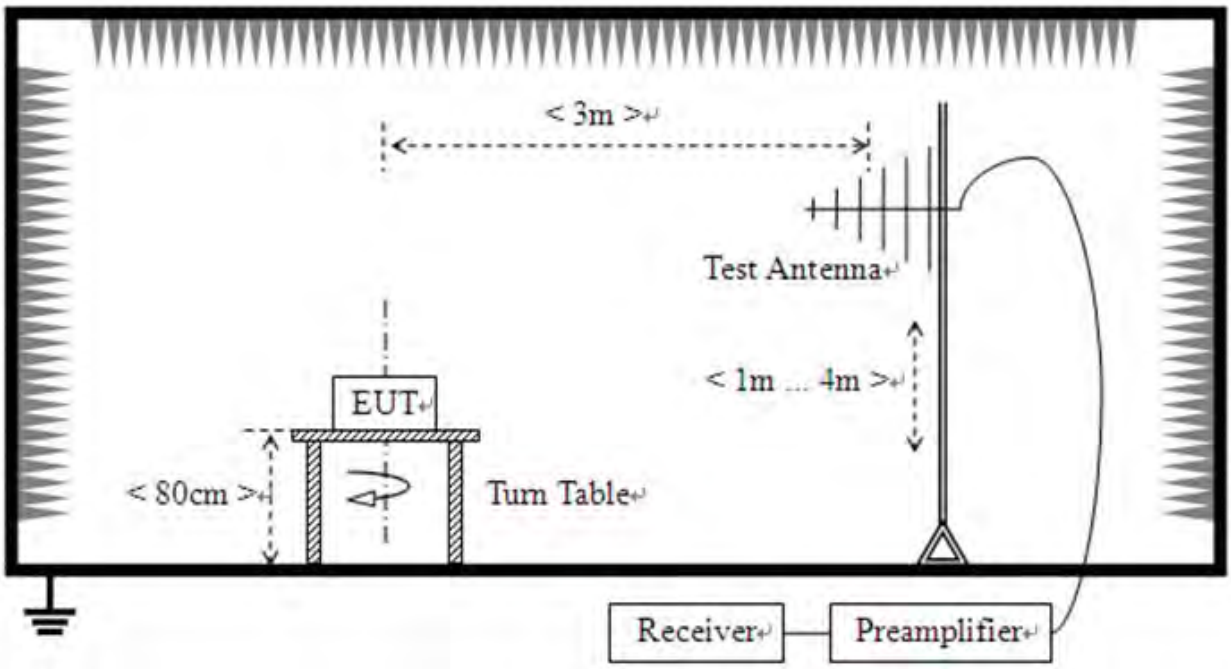


2.6.3.Radiation Measurement

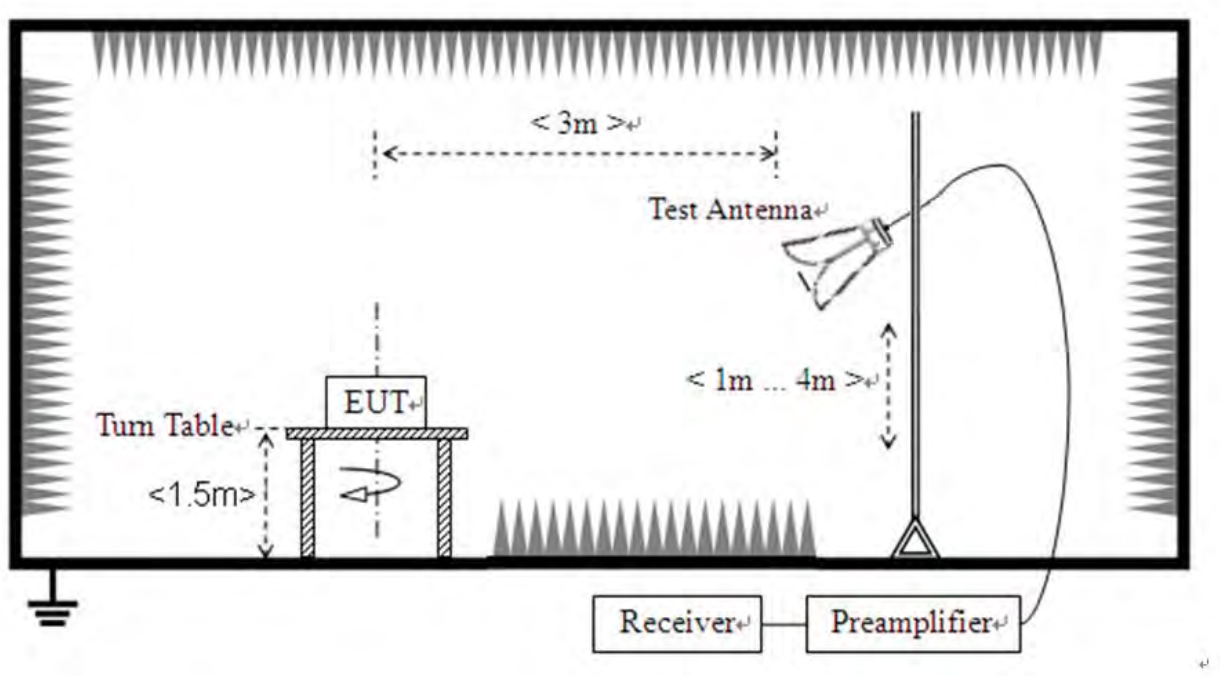
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to1GHz



3) For radiated emissions above 1GHz



3. Test Results

3.1. Antenna Requirement

3.1.1.Requirement

According to FCC 15.203, 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 shall be considered sufficient to comply with the provisions of this section.

3.1.2.Test Result

Inside of the EUT has a PIFA antenna coupled with the I-PEX connector. Please refer to the EUT internal photos.

3.2. Duty Cycle of Test Signal

3.2.1.Requirement

Preferably, all measurements of maximum conducted (average) output power will be performed with the EUT transmitting continuously (i.e., with a duty cycle of greater than or equal to 98%).When continuous operation cannot be realized, then the use of sweep triggering/signal gating techniques can be used to ensure that measurements are made only during transmissions at the maximum power control level. Such sweep triggering/signal gating techniques will require knowledge of the minimum transmission duration(T) over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. Sweep triggering/signal gating techniques can then be used if the measurement/sweep time of the analyzer can be set such that it does not exceed T at any time that data are being acquired (i.e.,no transmitter OFF-time is to be considered).
When continuous transmission cannot be achieved and sweep triggering/signal gating cannot be implemented, alternative procedures are provided that can be used to measure the average power; however, they will require an additional measurement of the transmitter duty cycle (D). Within this sub clause, the duty cycle refers to the fraction of time over which the transmitter is ON and is transmitting at its maximum power control level. The duty cycle is considered to be constant if variations are less than ±2%; otherwise, the duty cycle is considered to be non constant.

3.2.2.Test Result

Refer to Annex A.1 in this report.

3.3. Maximum Conducted Output Power

3.3.1.Requirement

(1) For client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250mW provided the maximum antenna gain does not exceed 6dBi.
(2)For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250mW or 11dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.
(3) For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W.
If transmitting antennas of directional gain greater than 6dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.
(4) According to KDB662911D01Measure-and-sum technique, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in units that are directly proportional to power.
(5) According to KDB 662911 D01, the directional gain = G_{ANT} +10log(N_{ANT})dBi, where G_{ANT} is the antenna gain in dBi, N_{ANT} is the number of outputs.

3.3.2.Test Procedures

The EUT (Equipment under the test) which is coupled to the USB Wideband Power Sensor; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading, all test result in USB Wideband Power Sensor.

For ac (VHT80) mode power
The EUT (Equipment under the test) is coupled to the Spectrum analyzer; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading, all test result in Spectrum analyzer.

3.3.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.3.4.Test Result

Refer to Annex A.2 in this report.

3.4. Emission Bandwidth

3.4.1.Requirement

For purposes of this subpart the emission bandwidth shall be determined by measuring the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, that are 26 dB down relative to the maximum level of the modulated carrier. Determination of the emissions bandwidth is based on the use of measurement instrumentation employing a peak detector function with an instrument resolution bandwidth approximately equal to 1.0 percent of the emission bandwidth of the device under measurement. Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

3.4.1.Test Procedures

1. KDB 789033 Section C) 1) Emission Bandwidth was used in order to prove compliance
a) Set RBW = approximately 1% of the emission bandwidth.
b) Set VBW > RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.
2. KDB 789033 Section C) 2) minimum emission bandwidth for the band 5.725-5.85GHz was used in order to prove compliance.
Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for theband5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:
a) Set RBW = 100 kHz.
b) Set video bandwidth (VBW) ≥ 3 × RBW.
c) Detector = Peak.
d) Trace mode = max hold.
e) Sweep = auto couple.
f) Allow the trace to stabilize.
g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

3.4.2.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.4.3.Test Result

Refer to Annex A.3 in this report.

3.5. Peak Power Spectral Density

3.5.1.Requirement

(1) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.
(2) For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11dBm in any 1 megahertz band.
(3) For the band 5.725-5.85 GHz, the maximum power spectral density shall not exceed 30dBm in any 500kHz band.
If transmitting antennas of directional gain greater than 6dBi are used, the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.
(4) According to KDB662911D01Measure-and-sum technique, the conducted emission level (e.g., transmit power or power in specified bandwidth) is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically to determine the total emission level from the device. Summing is performed in units that are directly proportional to power.
(5) According to KDB 662911 D01, the directional gain = G_{ANT} +10log(N_{ANT}) dBi, where G_{ANT} is the antenna gain in dBi, N_{ANT} is the number of outputs.

3.5.2.Test Procedures

KDB 789033 Section F) Maximum Power Spectral Density (PSD) Method SA-3 was used in order to prove compliance

1) Set span to encompass the entire 26-dB emission bandwidth
2) Set RBW = 1MHz. Set VBW ≥ 3MHz
3) Number of points in sweep ≥ 2 Span / RBW. Sweep time = auto
4) Detector = Average
5) Trace mode=Max hold

Record the max value

3.5.3.Test Setup Layout

Refer to chapter 2.6.1 in this report.

3.5.4.Test Result

Refer to Annex A.4 in this report.

3.6. Frequency Stability

3.6.1.Requirement

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.

3.6.2.Test Procedures

The EUT was placed inside of an environmental chamber as the temperature in the chamber was varied between 5°Cto 40°C. The temperature was incremented by 10^{o} intervals and the unit was allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded. Data for the worst case channel is shown below.

3.6.3.Test Result

Refer to Annex A.5 in this report.

3.7. Conducted Emission

3.7.1.Requirement

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency within the band 150kHz to 30MHz shall not exceed the limits in the following table, as measured using a 50μH/50Ω line impedance stabilization network (LISN).

Frequency Range (MHz)	Conducted Limit (dBμV)	
	Quai-peak	Average
0.15 - 0.50	66 to 56	56 to 46
0.50 - 5	56	46
5 - 30	60	50

Note:

(a) The lower limit shall apply at the band edges.

(b) The limit decreases linearly with the logarithm of the frequency in the range 0.15 - 0.50MHz.

3.7.2.Test Procedures

The Table-top EUT was placed upon a non-metallic table 0.8m above the horizontal metal reference ground plane. EUT was connected to LISN and LISN was connected to reference Ground Plane. EUT was 80cm from LISN. The set-up and test methods were according to ANSI C63.10: 2013.

3.7.3.Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.7.4.Test Result

Refer to Annex A.6 in this report.

3.8. Restricted Frequency Bands

3.8.1.Requirement

The peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(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 -27dBm/MHz.

(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 -27dBm/MHz.

(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 -27dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

The following formula is used to convert the equipment isotropic radiated power(e.i.r.p.) to field strength (dBμV/m);

$$E = 1000000 \times \sqrt{30P} / 3 \ \mu V/m$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz = 68.23 dBuV/m

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).

3.8.2.Test Procedures

The EUT is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading.
KDB 789033 Section H) 3)5)6(d)) was used in order to prove compliance
For the Test Antenna:
Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength.

3.8.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.8.4.Test Result

Refer to Annex A.7 in this report.

3.9. Radiated Emission

3.9.1.Requirement

The peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:
(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 -27dBm/MHz.
(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 -27dBm/MHz.
(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 -27dBm/MHz.
(4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.
The following formula is used to convert the equipment isotropic radiated power(e.i.r.p.) to field strength (dBμV/m);

$$E = 1000000 \times \sqrt{30P} / 3 \ \mu V/m$$

where P is the EIRP in Watts

Therefore: -27 dBm/MHz = 68.23 dBuV/m

Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in § 15.209. According to FCC section 15.209 (a), except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 - 1.705	24000/F(kHz)	30
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

For Above 1000MHz, the emission limit in this paragraph is based on measurement instrumentation employing an average detector, measurement using instrumentation with a peak detector function, corresponding to 20dB above the maximum permitted average limit.
In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), also should comply with the radiated emission limits specified in Section 15.209(a)(above table).

3.9.2.Test Procedures

The EUT is placed on a non-conducting table 80 cm above the ground plane for measurement below 1GHz; 1.5 m above the ground plane for measurement above 1GHz.The antenna to EUT distance is 3meters. The EUT is configured in accordance with ANSI C63.10. The EUT is set to transmit in a continuous mode.

For measurements below 30MHz, the emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9kHz-90 kHz, 110kHz-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements or 120kHz for quasi-peak detection measurements. Peak detection is used unless otherwise noted as quasi-peak.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements and as applicable for average measurements.

The EUT is rotated through 360 degrees to maximize emissions received. The antenna is scanned from 1 to 4 meters above the ground plane to further maximize the emission. Measurements are made with the antenna polarized in both the vertical and the horizontal positions. For measurements above 1 GHz, keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response.

3.9.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.9.4.Test Result

Refer to Annex A.8 in this report.

Annex A Test Data and Result

A.1. Duty Cycle of Test Signal

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	100	0	0
NVNT	a	5220	Ant1	100	0	0
NVNT	a	5240	Ant1	100	0	0
NVNT	a	5745	Ant1	100	0	0
NVNT	a	5785	Ant1	100	0	0
NVNT	a	5825	Ant1	100	0	0
NVNT	a	5180	Ant2	100	0	0
NVNT	a	5220	Ant2	100	0	0
NVNT	a	5240	Ant2	100	0	0
NVNT	a	5745	Ant2	100	0	0
NVNT	a	5785	Ant2	100	0	0
NVNT	a	5825	Ant2	100	0	0
NVNT	n20	5180	Ant1	100	0	0
NVNT	n20	5220	Ant1	100	0	0
NVNT	n20	5240	Ant1	100	0	0
NVNT	n20	5745	Ant1	100	0	0
NVNT	n20	5785	Ant1	100	0	0
NVNT	n20	5825	Ant1	100	0	0
NVNT	n20	5180	Ant2	100	0	0
NVNT	n20	5220	Ant2	100	0	0
NVNT	n20	5240	Ant2	100	0	0
NVNT	n20	5745	Ant2	100	0	0
NVNT	n20	5785	Ant2	100	0	0
NVNT	n20	5825	Ant2	100	0	0
NVNT	n20	5180	Sum	100	0	0
NVNT	n20	5220	Sum	100	0	0
NVNT	n20	5240	Sum	100	0	0
NVNT	n20	5745	Sum	100	0	0
NVNT	n20	5785	Sum	100	0	0
NVNT	n20	5825	Sum	100	0	0
NVNT	n40	5190	Ant1	100	0	0
NVNT	n40	5230	Ant1	100	0	0

NVNT	n40	5755	Ant1	100	0	0
NVNT	n40	5795	Ant1	100	0	0
NVNT	n40	5190	Ant2	100	0	0
NVNT	n40	5230	Ant2	100	0	0
NVNT	n40	5755	Ant2	100	0	0
NVNT	n40	5795	Ant2	100	0	0
NVNT	n40	5190	Sum	100	0	0
NVNT	n40	5230	Sum	100	0	0
NVNT	n40	5755	Sum	100	0	0
NVNT	n40	5795	Sum	100	0	0
NVNT	ac20	5180	Ant1	100	0	0
NVNT	ac20	5220	Ant1	100	0	0
NVNT	ac20	5240	Ant1	100	0	0
NVNT	ac20	5745	Ant1	100	0	0
NVNT	ac20	5785	Ant1	100	0	0
NVNT	ac20	5825	Ant1	100	0	0
NVNT	ac20	5180	Ant2	100	0	0
NVNT	ac20	5220	Ant2	100	0	0
NVNT	ac20	5240	Ant2	100	0	0
NVNT	ac20	5745	Ant2	100	0	0
NVNT	ac20	5785	Ant2	100	0	0
NVNT	ac20	5825	Ant2	100	0	0
NVNT	ac20	5180	Sum	100	0	0
NVNT	ac20	5220	Sum	100	0	0
NVNT	ac20	5240	Sum	100	0	0
NVNT	ac20	5745	Sum	100	0	0
NVNT	ac20	5785	Sum	100	0	0
NVNT	ac20	5825	Sum	100	0	0
NVNT	ac40	5190	Ant1	100	0	0
NVNT	ac40	5230	Ant1	100	0	0
NVNT	ac40	5755	Ant1	100	0	0
NVNT	ac40	5795	Ant1	100	0	0
NVNT	ac40	5190	Ant2	100	0	0
NVNT	ac40	5230	Ant2	100	0	0
NVNT	ac40	5755	Ant2	100	0	0
NVNT	ac40	5795	Ant2	100	0	0
NVNT	ac40	5190	Sum	100	0	0
NVNT	ac40	5230	Sum	100	0	0

NVNT	ac40	5755	Sum	100	0	0
NVNT	ac40	5795	Sum	100	0	0
NVNT	ac80	5210	Ant1	100	0	0
NVNT	ac80	5775	Ant1	100	0	0
NVNT	ac80	5210	Ant2	100	0	0
NVNT	ac80	5775	Ant2	100	0	0
NVNT	ac80	5210	Sum	100	0	0
NVNT	ac80	5775	Sum	100	0	0
NVNT	ax20	5180	Ant1	100	0	0
NVNT	ax20	5220	Ant1	100	0	0
NVNT	ax20	5240	Ant1	100	0	0
NVNT	ax20	5745	Ant1	100	0	0
NVNT	ax20	5785	Ant1	100	0	0
NVNT	ax20	5825	Ant1	100	0	0
NVNT	ax20	5180	Ant2	100	0	0
NVNT	ax20	5220	Ant2	100	0	0
NVNT	ax20	5240	Ant2	100	0	0
NVNT	ax20	5745	Ant2	100	0	0
NVNT	ax20	5785	Ant2	100	0	0
NVNT	ax20	5825	Ant2	100	0	0
NVNT	ax20	5180	Sum	100	0	0
NVNT	ax20	5220	Sum	100	0	0
NVNT	ax20	5240	Sum	100	0	0
NVNT	ax20	5745	Sum	100	0	0
NVNT	ax20	5785	Sum	100	0	0
NVNT	ax20	5825	Sum	100	0	0
NVNT	ax40	5190	Ant1	100	0	0
NVNT	ax40	5230	Ant1	100	0	0
NVNT	ax40	5755	Ant1	100	0	0
NVNT	ax40	5795	Ant1	100	0	0
NVNT	ax40	5190	Ant2	100	0	0
NVNT	ax40	5230	Ant2	100	0	0
NVNT	ax40	5755	Ant2	100	0	0
NVNT	ax40	5795	Ant2	100	0	0
NVNT	ax40	5190	Sum	100	0	0
NVNT	ax40	5230	Sum	100	0	0
NVNT	ax40	5755	Sum	100	0	0
NVNT	ax40	5795	Sum	100	0	0

NVNT	ax80	5210	Ant1	100	0	0
NVNT	ax80	5775	Ant1	100	0	0
NVNT	ax80	5210	Ant2	100	0	0
NVNT	ax80	5775	Ant2	100	0	0
NVNT	ax80	5210	Sum	100	0	0
NVNT	ax80	5775	Sum	100	0	0
NVNT	ax20 26@0	5180	Ant1	100	0	0
NVNT	ax20 26@0	5220	Ant1	100	0	0
NVNT	ax20 26@0	5240	Ant1	100	0	0
NVNT	ax20 26@0	5745	Ant1	100	0	0
NVNT	ax20 26@0	5785	Ant1	100	0	0
NVNT	ax20 26@0	5825	Ant1	100	0	0
NVNT	ax20 26@0	5180	Ant2	100	0	0
NVNT	ax20 26@0	5220	Ant2	100	0	0
NVNT	ax20 26@0	5240	Ant2	100	0	0
NVNT	ax20 26@0	5745	Ant2	100	0	0
NVNT	ax20 26@0	5785	Ant2	100	0	0
NVNT	ax20 26@0	5825	Ant2	100	0	0
NVNT	ax20 26@0	5180	Sum	100	0	0
NVNT	ax20 26@0	5220	Sum	100	0	0
NVNT	ax20 26@0	5240	Sum	100	0	0
NVNT	ax20 26@0	5745	Sum	100	0	0
NVNT	ax20 26@0	5785	Sum	100	0	0
NVNT	ax20 26@0	5825	Sum	100	0	0
NVNT	ax20 52@37	5180	Ant1	100	0	0
NVNT	ax20 52@37	5220	Ant1	100	0	0
NVNT	ax20 52@37	5240	Ant1	100	0	0
NVNT	ax20 52@37	5745	Ant1	100	0	0
NVNT	ax20 52@37	5785	Ant1	100	0	0
NVNT	ax20 52@37	5825	Ant1	100	0	0
NVNT	ax20 52@37	5180	Ant2	100	0	0
NVNT	ax20 52@37	5220	Ant2	100	0	0
NVNT	ax20 52@37	5240	Ant2	100	0	0
NVNT	ax20 52@37	5745	Ant2	100	0	0
NVNT	ax20 52@37	5785	Ant2	100	0	0
NVNT	ax20 52@37	5825	Ant2	100	0	0
NVNT	ax20 52@37	5180	Sum	100	0	0
NVNT	ax20 52@37	5220	Sum	100	0	0

NVNT	ax20 52@37	5240	Sum	100	0	0
NVNT	ax20 52@37	5745	Sum	100	0	0
NVNT	ax20 52@37	5785	Sum	100	0	0
NVNT	ax20 52@37	5825	Sum	100	0	0
NVNT	ax20 106@53	5180	Ant1	100	0	0
NVNT	ax20 106@53	5220	Ant1	100	0	0
NVNT	ax20 106@53	5240	Ant1	100	0	0
NVNT	ax20 106@53	5745	Ant1	100	0	0
NVNT	ax20 106@53	5785	Ant1	100	0	0
NVNT	ax20 106@53	5825	Ant1	100	0	0
NVNT	ax20 106@53	5180	Ant2	100	0	0
NVNT	ax20 106@53	5220	Ant2	100	0	0
NVNT	ax20 106@53	5240	Ant2	100	0	0
NVNT	ax20 106@53	5745	Ant2	100	0	0
NVNT	ax20 106@53	5785	Ant2	100	0	0
NVNT	ax20 106@53	5825	Ant2	100	0	0
NVNT	ax20 106@53	5180	Sum	100	0	0
NVNT	ax20 106@53	5220	Sum	100	0	0
NVNT	ax20 106@53	5240	Sum	100	0	0
NVNT	ax20 106@53	5745	Sum	100	0	0
NVNT	ax20 106@53	5785	Sum	100	0	0
NVNT	ax20 106@53	5825	Sum	100	0	0
NVNT	ax40 26@0	5190	Ant1	100	0	0
NVNT	ax40 26@0	5230	Ant1	100	0	0
NVNT	ax40 26@0	5755	Ant1	100	0	0
NVNT	ax40 26@0	5795	Ant1	100	0	0
NVNT	ax40 26@0	5190	Ant2	100	0	0
NVNT	ax40 26@0	5230	Ant2	100	0	0
NVNT	ax40 26@0	5755	Ant2	100	0	0
NVNT	ax40 26@0	5795	Ant2	100	0	0
NVNT	ax40 26@0	5190	Sum	100	0	0
NVNT	ax40 26@0	5230	Sum	100	0	0
NVNT	ax40 26@0	5755	Sum	100	0	0
NVNT	ax40 26@0	5795	Sum	100	0	0
NVNT	ax40 52@37	5190	Ant1	100	0	0
NVNT	ax40 52@37	5230	Ant1	100	0	0
NVNT	ax40 52@37	5755	Ant1	100	0	0
NVNT	ax40 52@37	5795	Ant1	100	0	0

NVNT	ax40 52@37	5190	Ant2	100	0	0
NVNT	ax40 52@37	5230	Ant2	100	0	0
NVNT	ax40 52@37	5755	Ant2	100	0	0
NVNT	ax40 52@37	5795	Ant2	100	0	0
NVNT	ax40 52@37	5190	Sum	100	0	0
NVNT	ax40 52@37	5230	Sum	100	0	0
NVNT	ax40 52@37	5755	Sum	100	0	0
NVNT	ax40 52@37	5795	Sum	100	0	0
NVNT	ax40 106@53	5190	Ant1	100	0	0
NVNT	ax40 106@53	5230	Ant1	100	0	0
NVNT	ax40 106@53	5755	Ant1	100	0	0
NVNT	ax40 106@53	5795	Ant1	100	0	0
NVNT	ax40 106@53	5190	Ant2	100	0	0
NVNT	ax40 106@53	5230	Ant2	100	0	0
NVNT	ax40 106@53	5755	Ant2	100	0	0
NVNT	ax40 106@53	5795	Ant2	100	0	0
NVNT	ax40 106@53	5190	Sum	100	0	0
NVNT	ax40 106@53	5230	Sum	100	0	0
NVNT	ax40 106@53	5755	Sum	100	0	0
NVNT	ax40 106@53	5795	Sum	100	0	0
NVNT	ax40 242@61	5190	Ant1	100	0	0
NVNT	ax40 242@61	5230	Ant1	100	0	0
NVNT	ax40 242@61	5755	Ant1	100	0	0
NVNT	ax40 242@61	5795	Ant1	100	0	0
NVNT	ax40 242@61	5190	Ant2	100	0	0
NVNT	ax40 242@61	5230	Ant2	100	0	0
NVNT	ax40 242@61	5755	Ant2	100	0	0
NVNT	ax40 242@61	5795	Ant2	100	0	0
NVNT	ax40 242@61	5190	Sum	100	0	0
NVNT	ax40 242@61	5230	Sum	100	0	0
NVNT	ax40 242@61	5755	Sum	100	0	0
NVNT	ax40 242@61	5795	Sum	100	0	0
NVNT	ax80 26@0	5210	Ant1	100	0	0
NVNT	ax80 26@0	5775	Ant1	100	0	0
NVNT	ax80 26@0	5210	Ant2	100	0	0
NVNT	ax80 26@0	5775	Ant2	100	0	0
NVNT	ax80 26@0	5210	Sum	100	0	0
NVNT	ax80 26@0	5775	Sum	100	0	0

NVNT	ax80 52@37	5210	Ant1	100	0	0
NVNT	ax80 52@37	5775	Ant1	100	0	0
NVNT	ax80 52@37	5210	Ant2	100	0	0
NVNT	ax80 52@37	5775	Ant2	100	0	0
NVNT	ax80 52@37	5210	Sum	100	0	0
NVNT	ax80 52@37	5775	Sum	100	0	0
NVNT	ax80 106@53	5210	Ant1	100	0	0
NVNT	ax80 106@53	5775	Ant1	100	0	0
NVNT	ax80 106@53	5210	Ant2	100	0	0
NVNT	ax80 106@53	5775	Ant2	100	0	0
NVNT	ax80 106@53	5210	Sum	100	0	0
NVNT	ax80 106@53	5775	Sum	100	0	0
NVNT	ax80 242@61	5210	Ant1	100	0	0
NVNT	ax80 242@61	5775	Ant1	100	0	0
NVNT	ax80 242@61	5210	Ant2	100	0	0
NVNT	ax80 242@61	5775	Ant2	100	0	0
NVNT	ax80 242@61	5210	Sum	100	0	0
NVNT	ax80 242@61	5775	Sum	100	0	0
NVNT	ax80 484@65	5210	Ant1	100	0	0
NVNT	ax80 484@65	5775	Ant1	100	0	0
NVNT	ax80 484@65	5210	Ant2	100	0	0
NVNT	ax80 484@65	5775	Ant2	100	0	0
NVNT	ax80 484@65	5210	Sum	100	0	0
NVNT	ax80 484@65	5775	Sum	100	0	0

A.2. Maximum Conducted Output Power

Condition	Mode	Frequency (MHz)	Antenna	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted (dBm)	Verdict
NVNT	a	5180	Ant1	15.62	0.03648	30	Pass
NVNT	a	5220	Ant1	15.63	0.03656	30	Pass
NVNT	a	5240	Ant1	15.3	0.03388	30	Pass
NVNT	a	5745	Ant1	15.16	0.03281	30	Pass
NVNT	a	5785	Ant1	15	0.03162	30	Pass
NVNT	a	5825	Ant1	15.05	0.03199	30	Pass
NVNT	a	5180	Ant2	15.93	0.03917	30	Pass
NVNT	a	5220	Ant2	15.79	0.03793	30	Pass
NVNT	a	5240	Ant2	15.53	0.03573	30	Pass
NVNT	a	5745	Ant2	15.39	0.03459	30	Pass
NVNT	a	5785	Ant2	15.6	0.03631	30	Pass
NVNT	a	5825	Ant2	15.52	0.03565	30	Pass
NVNT	n20	5180	Ant1	14.47	0.02799	30	Pass
NVNT	n20	5220	Ant1	14.45	0.02786	30	Pass
NVNT	n20	5240	Ant1	14.08	0.02559	30	Pass
NVNT	n20	5745	Ant1	14.51	0.02825	30	Pass
NVNT	n20	5785	Ant1	14.28	0.02679	30	Pass
NVNT	n20	5825	Ant1	14.32	0.02704	30	Pass
NVNT	n20	5180	Ant2	14.92	0.03105	30	Pass
NVNT	n20	5220	Ant2	14.69	0.02944	30	Pass
NVNT	n20	5240	Ant2	14.52	0.02831	30	Pass
NVNT	n20	5745	Ant2	14.63	0.02904	30	Pass
NVNT	n20	5785	Ant2	14.85	0.03055	30	Pass
NVNT	n20	5825	Ant2	14.68	0.02938	30	Pass
NVNT	n20	5180	Ant1	15.77	0.03776	30	Pass
NVNT	n20	5180	Ant2	14.08	0.02559	30	Pass
NVNT	n20	5180	Sum	18.02	0.06334	30	Pass
NVNT	n20	5220	Ant1	15.8	0.03802	30	Pass
NVNT	n20	5220	Ant2	14.06	0.02547	30	Pass
NVNT	n20	5220	Sum	18.03	0.06349	30	Pass
NVNT	n20	5240	Ant1	15.43	0.03491	30	Pass
NVNT	n20	5240	Ant2	13.84	0.02421	30	Pass
NVNT	n20	5240	Sum	17.72	0.05912	30	Pass

NVNT	n20	5745	Ant1	15.31	0.03396	30	Pass
NVNT	n20	5745	Ant2	14.72	0.02965	30	Pass
NVNT	n20	5745	Sum	18.04	0.06361	30	Pass
NVNT	n20	5785	Ant1	15.19	0.03304	30	Pass
NVNT	n20	5785	Ant2	15.04	0.03192	30	Pass
NVNT	n20	5785	Sum	18.13	0.06495	30	Pass
NVNT	n20	5825	Ant1	15.32	0.03404	30	Pass
NVNT	n20	5825	Ant2	14.84	0.03048	30	Pass
NVNT	n20	5825	Sum	18.1	0.06452	30	Pass
NVNT	n40	5190	Ant1	14.94	0.03119	30	Pass
NVNT	n40	5230	Ant1	14.8	0.0302	30	Pass
NVNT	n40	5755	Ant1	14.81	0.03027	30	Pass
NVNT	n40	5795	Ant1	14.33	0.0271	30	Pass
NVNT	n40	5190	Ant2	14.12	0.02582	30	Pass
NVNT	n40	5230	Ant2	14.1	0.0257	30	Pass
NVNT	n40	5755	Ant2	14.83	0.03041	30	Pass
NVNT	n40	5795	Ant2	14.39	0.02748	30	Pass
NVNT	n40	5190	Ant1	15.87	0.03864	30	Pass
NVNT	n40	5190	Ant2	13.91	0.0246	30	Pass
NVNT	n40	5190	Sum	18.01	0.06324	30	Pass
NVNT	n40	5230	Ant1	15.74	0.0375	30	Pass
NVNT	n40	5230	Ant2	13.89	0.02449	30	Pass
NVNT	n40	5230	Sum	17.92	0.06199	30	Pass
NVNT	n40	5755	Ant1	15.74	0.0375	30	Pass
NVNT	n40	5755	Ant2	14.64	0.02911	30	Pass
NVNT	n40	5755	Sum	18.23	0.0666	30	Pass
NVNT	n40	5795	Ant1	15.28	0.03373	30	Pass
NVNT	n40	5795	Ant2	14.83	0.03041	30	Pass
NVNT	n40	5795	Sum	18.07	0.06414	30	Pass
NVNT	ac20	5180	Ant1	12.67	0.01849	30	Pass
NVNT	ac20	5220	Ant1	12.65	0.01841	30	Pass
NVNT	ac20	5240	Ant1	12.23	0.01671	30	Pass
NVNT	ac20	5745	Ant1	12.35	0.01718	30	Pass
NVNT	ac20	5785	Ant1	12.11	0.01626	30	Pass
NVNT	ac20	5825	Ant1	12.29	0.01694	30	Pass
NVNT	ac20	5180	Ant2	12.6	0.0182	30	Pass
NVNT	ac20	5220	Ant2	12.28	0.0169	30	Pass
NVNT	ac20	5240	Ant2	12.11	0.01626	30	Pass

NVNT	ac20	5745	Ant2	12.19	0.01656	30	Pass
NVNT	ac20	5785	Ant2	12.45	0.01758	30	Pass
NVNT	ac20	5825	Ant2	12.43	0.0175	30	Pass
NVNT	ac20	5180	Ant1	13.79	0.02393	30	Pass
NVNT	ac20	5180	Ant2	12.59	0.01816	30	Pass
NVNT	ac20	5180	Sum	16.24	0.04209	30	Pass
NVNT	ac20	5220	Ant1	13.81	0.02404	30	Pass
NVNT	ac20	5220	Ant2	12.24	0.01675	30	Pass
NVNT	ac20	5220	Sum	16.11	0.04079	30	Pass
NVNT	ac20	5240	Ant1	13.43	0.02203	30	Pass
NVNT	ac20	5240	Ant2	12.05	0.01603	30	Pass
NVNT	ac20	5240	Sum	15.8	0.03806	30	Pass
NVNT	ac20	5745	Ant1	13.11	0.02046	30	Pass
NVNT	ac20	5745	Ant2	12.76	0.01888	30	Pass
NVNT	ac20	5745	Sum	15.95	0.03934	30	Pass
NVNT	ac20	5785	Ant1	13.14	0.02061	30	Pass
NVNT	ac20	5785	Ant2	13	0.01995	30	Pass
NVNT	ac20	5785	Sum	16.08	0.04056	30	Pass
NVNT	ac20	5825	Ant1	13.23	0.02104	30	Pass
NVNT	ac20	5825	Ant2	12.89	0.01945	30	Pass
NVNT	ac20	5825	Sum	16.07	0.04049	30	Pass
NVNT	ac40	5190	Ant1	12.58	0.01811	30	Pass
NVNT	ac40	5230	Ant1	12.38	0.0173	30	Pass
NVNT	ac40	5755	Ant1	12.63	0.01832	30	Pass
NVNT	ac40	5795	Ant1	12.27	0.01687	30	Pass
NVNT	ac40	5190	Ant2	12.5	0.01778	30	Pass
NVNT	ac40	5230	Ant2	12.3	0.01698	30	Pass
NVNT	ac40	5755	Ant2	12.89	0.01945	30	Pass
NVNT	ac40	5795	Ant2	13.03	0.02009	30	Pass
NVNT	ac40	5190	Ant1	13.89	0.02449	30	Pass
NVNT	ac40	5190	Ant2	12.42	0.01746	30	Pass
NVNT	ac40	5190	Sum	16.23	0.04195	30	Pass
NVNT	ac40	5230	Ant1	13.68	0.02333	30	Pass
NVNT	ac40	5230	Ant2	11.98	0.01578	30	Pass
NVNT	ac40	5230	Sum	15.92	0.03911	30	Pass
NVNT	ac40	5755	Ant1	13.46	0.02218	30	Pass
NVNT	ac40	5755	Ant2	12.64	0.01837	30	Pass
NVNT	ac40	5755	Sum	16.08	0.04055	30	Pass

NVNT	ac40	5795	Ant1	13.34	0.02158	30	Pass
NVNT	ac40	5795	Ant2	12.74	0.01879	30	Pass
NVNT	ac40	5795	Sum	16.06	0.04037	30	Pass
NVNT	ac80	5210	Ant1	12.49	0.01774	30	Pass
NVNT	ac80	5775	Ant1	12.22	0.01667	30	Pass
NVNT	ac80	5210	Ant2	12.67	0.01849	30	Pass
NVNT	ac80	5775	Ant2	12.58	0.01811	30	Pass
NVNT	ac80	5210	Ant1	13.81	0.02404	30	Pass
NVNT	ac80	5210	Ant2	12.41	0.01742	30	Pass
NVNT	ac80	5210	Sum	16.18	0.04146	30	Pass
NVNT	ac80	5775	Ant1	13.31	0.02143	30	Pass
NVNT	ac80	5775	Ant2	13.07	0.02028	30	Pass
NVNT	ac80	5775	Sum	16.2	0.04171	30	Pass
NVNT	ax20	5180	Ant1	12.66	0.01845	30	Pass
NVNT	ax20	5220	Ant1	12.6	0.0182	30	Pass
NVNT	ax20	5240	Ant1	12.27	0.01687	30	Pass
NVNT	ax20	5745	Ant1	12.4	0.01738	30	Pass
NVNT	ax20	5785	Ant1	12.15	0.01641	30	Pass
NVNT	ax20	5825	Ant1	12.31	0.01702	30	Pass
NVNT	ax20	5180	Ant2	12.63	0.01832	30	Pass
NVNT	ax20	5220	Ant2	12.33	0.0171	30	Pass
NVNT	ax20	5240	Ant2	12.12	0.01629	30	Pass
NVNT	ax20	5745	Ant2	12.23	0.01671	30	Pass
NVNT	ax20	5785	Ant2	12.48	0.0177	30	Pass
NVNT	ax20	5825	Ant2	12.37	0.01726	30	Pass
NVNT	ax20	5180	Ant1	13.77	0.02382	30	Pass
NVNT	ax20	5180	Ant2	12.44	0.01754	30	Pass
NVNT	ax20	5180	Sum	16.17	0.04136	30	Pass
NVNT	ax20	5220	Ant1	13.76	0.02377	30	Pass
NVNT	ax20	5220	Ant2	12.16	0.01644	30	Pass
NVNT	ax20	5220	Sum	16.04	0.04021	30	Pass
NVNT	ax20	5240	Ant1	13.4	0.02188	30	Pass
NVNT	ax20	5240	Ant2	11.96	0.0157	30	Pass
NVNT	ax20	5240	Sum	15.75	0.03758	30	Pass
NVNT	ax20	5745	Ant1	13.07	0.02028	30	Pass
NVNT	ax20	5745	Ant2	12.78	0.01897	30	Pass
NVNT	ax20	5745	Sum	15.94	0.03924	30	Pass
NVNT	ax20	5785	Ant1	13.13	0.02056	30	Pass

NVNT	ax20	5785	Ant2	12.94	0.01968	30	Pass
NVNT	ax20	5785	Sum	16.05	0.04024	30	Pass
NVNT	ax20	5825	Ant1	13.26	0.02118	30	Pass
NVNT	ax20	5825	Ant2	12.92	0.01959	30	Pass
NVNT	ax20	5825	Sum	16.1	0.04077	30	Pass
NVNT	ax40	5190	Ant1	12.42	0.01746	30	Pass
NVNT	ax40	5230	Ant1	12.13	0.01633	30	Pass
NVNT	ax40	5755	Ant1	12.4	0.01738	30	Pass
NVNT	ax40	5795	Ant1	12.08	0.01614	30	Pass
NVNT	ax40	5190	Ant2	12.44	0.01754	30	Pass
NVNT	ax40	5230	Ant2	12.15	0.01641	30	Pass
NVNT	ax40	5755	Ant2	12.71	0.01866	30	Pass
NVNT	ax40	5795	Ant2	12.81	0.0191	30	Pass
NVNT	ax40	5190	Ant1	13.78	0.02388	30	Pass
NVNT	ax40	5190	Ant2	12.31	0.01702	30	Pass
NVNT	ax40	5190	Sum	16.12	0.0409	30	Pass
NVNT	ax40	5230	Ant1	13.57	0.02275	30	Pass
NVNT	ax40	5230	Ant2	11.84	0.01528	30	Pass
NVNT	ax40	5230	Sum	15.8	0.03803	30	Pass
NVNT	ax40	5755	Ant1	13.33	0.02153	30	Pass
NVNT	ax40	5755	Ant2	12.54	0.01795	30	Pass
NVNT	ax40	5755	Sum	15.96	0.03948	30	Pass
NVNT	ax40	5795	Ant1	13.06	0.02023	30	Pass
NVNT	ax40	5795	Ant2	12.63	0.01832	30	Pass
NVNT	ax40	5795	Sum	15.86	0.03855	30	Pass
NVNT	ax80	5210	Ant1	12.41	0.01742	30	Pass
NVNT	ax80	5775	Ant1	12.25	0.01679	30	Pass
NVNT	ax80	5210	Ant2	12.7	0.01862	30	Pass
NVNT	ax80	5775	Ant2	12.57	0.01807	30	Pass
NVNT	ax80	5210	Ant1	13.86	0.02432	30	Pass
NVNT	ax80	5210	Ant2	12.38	0.0173	30	Pass
NVNT	ax80	5210	Sum	16.19	0.04162	30	Pass
NVNT	ax80	5775	Ant1	13.39	0.02183	30	Pass
NVNT	ax80	5775	Ant2	13.17	0.02075	30	Pass
NVNT	ax80	5775	Sum	16.29	0.04258	30	Pass
NVNT	ax20 26@0	5180	Ant1	11.46	0.014	30	Pass
NVNT	ax20 26@0	5220	Ant1	11.32	0.01355	30	Pass
NVNT	ax20 26@0	5240	Ant1	11.14	0.013	30	Pass

NVNT	ax20 26@0	5745	Ant1	12.74	0.01879	30	Pass
NVNT	ax20 26@0	5785	Ant1	12.59	0.01816	30	Pass
NVNT	ax20 26@0	5825	Ant1	12.92	0.01959	30	Pass
NVNT	ax20 26@0	5180	Ant2	11.73	0.01489	30	Pass
NVNT	ax20 26@0	5220	Ant2	11.4	0.0138	30	Pass
NVNT	ax20 26@0	5240	Ant2	11.09	0.01285	30	Pass
NVNT	ax20 26@0	5745	Ant2	12.43	0.0175	30	Pass
NVNT	ax20 26@0	5785	Ant2	12.88	0.01941	30	Pass
NVNT	ax20 26@0	5825	Ant2	13.03	0.02009	30	Pass
NVNT	ax20 26@0	5180	Ant1	9.77	0.00948	30	Pass
NVNT	ax20 26@0	5180	Ant2	7.57	0.00571	30	Pass
NVNT	ax20 26@0	5180	Sum	11.82	0.0152	30	Pass
NVNT	ax20 26@0	5220	Ant1	9.67	0.00927	30	Pass
NVNT	ax20 26@0	5220	Ant2	7.5	0.00562	30	Pass
NVNT	ax20 26@0	5220	Sum	11.73	0.01489	30	Pass
NVNT	ax20 26@0	5240	Ant1	9.39	0.00869	30	Pass
NVNT	ax20 26@0	5240	Ant2	7.33	0.00541	30	Pass
NVNT	ax20 26@0	5240	Sum	11.49	0.0141	30	Pass
NVNT	ax20 26@0	5745	Ant1	12.24	0.01675	30	Pass
NVNT	ax20 26@0	5745	Ant2	13.17	0.02075	30	Pass
NVNT	ax20 26@0	5745	Sum	15.74	0.0375	30	Pass
NVNT	ax20 26@0	5785	Ant1	12.16	0.01644	30	Pass
NVNT	ax20 26@0	5785	Ant2	13.29	0.02133	30	Pass
NVNT	ax20 26@0	5785	Sum	15.77	0.03777	30	Pass
NVNT	ax20 26@0	5825	Ant1	12.33	0.0171	30	Pass
NVNT	ax20 26@0	5825	Ant2	13.31	0.02143	30	Pass
NVNT	ax20 26@0	5825	Sum	15.86	0.03853	30	Pass
NVNT	ax20 52@37	5180	Ant1	12.8	0.01905	30	Pass
NVNT	ax20 52@37	5220	Ant1	12.8	0.01905	30	Pass
NVNT	ax20 52@37	5240	Ant1	12.44	0.01754	30	Pass
NVNT	ax20 52@37	5745	Ant1	12.59	0.01816	30	Pass
NVNT	ax20 52@37	5785	Ant1	12.46	0.01762	30	Pass
NVNT	ax20 52@37	5825	Ant1	12.67	0.01849	30	Pass
NVNT	ax20 52@37	5180	Ant2	12.29	0.01694	30	Pass
NVNT	ax20 52@37	5220	Ant2	12.11	0.01626	30	Pass
NVNT	ax20 52@37	5240	Ant2	12.72	0.01871	30	Pass
NVNT	ax20 52@37	5745	Ant2	13.05	0.02018	30	Pass
NVNT	ax20 52@37	5785	Ant2	13.24	0.02109	30	Pass

NVNT	ax20 52@37	5825	Ant2	13.31	0.02143	30	Pass
NVNT	ax20 52@37	5180	Ant1	11.56	0.01432	30	Pass
NVNT	ax20 52@37	5180	Ant2	10.06	0.01014	30	Pass
NVNT	ax20 52@37	5180	Sum	13.88	0.02446	30	Pass
NVNT	ax20 52@37	5220	Ant1	11.47	0.01403	30	Pass
NVNT	ax20 52@37	5220	Ant2	9.73	0.0094	30	Pass
NVNT	ax20 52@37	5220	Sum	13.7	0.02343	30	Pass
NVNT	ax20 52@37	5240	Ant1	11.1	0.01288	30	Pass
NVNT	ax20 52@37	5240	Ant2	9.39	0.00869	30	Pass
NVNT	ax20 52@37	5240	Sum	13.34	0.02157	30	Pass
NVNT	ax20 52@37	5745	Ant1	12.29	0.01694	30	Pass
NVNT	ax20 52@37	5745	Ant2	12.8	0.01905	30	Pass
NVNT	ax20 52@37	5745	Sum	15.56	0.036	30	Pass
NVNT	ax20 52@37	5785	Ant1	12.11	0.01626	30	Pass
NVNT	ax20 52@37	5785	Ant2	13.03	0.02009	30	Pass
NVNT	ax20 52@37	5785	Sum	15.61	0.03635	30	Pass
NVNT	ax20 52@37	5825	Ant1	12.28	0.0169	30	Pass
NVNT	ax20 52@37	5825	Ant2	13.11	0.02046	30	Pass
NVNT	ax20 52@37	5825	Sum	15.73	0.03737	30	Pass
NVNT	ax20 106@53	5180	Ant1	12.86	0.01932	30	Pass
NVNT	ax20 106@53	5220	Ant1	12.82	0.01914	30	Pass
NVNT	ax20 106@53	5240	Ant1	12.52	0.01786	30	Pass
NVNT	ax20 106@53	5745	Ant1	12.61	0.01824	30	Pass
NVNT	ax20 106@53	5785	Ant1	12.52	0.01786	30	Pass
NVNT	ax20 106@53	5825	Ant1	12.69	0.01858	30	Pass
NVNT	ax20 106@53	5180	Ant2	12.58	0.01811	30	Pass
NVNT	ax20 106@53	5220	Ant2	12.2	0.0166	30	Pass
NVNT	ax20 106@53	5240	Ant2	12.02	0.01592	30	Pass
NVNT	ax20 106@53	5745	Ant2	13.05	0.02018	30	Pass
NVNT	ax20 106@53	5785	Ant2	13.34	0.02158	30	Pass
NVNT	ax20 106@53	5825	Ant2	13.4	0.02188	30	Pass
NVNT	ax20 106@53	5180	Ant1	14.11	0.02576	30	Pass
NVNT	ax20 106@53	5180	Ant2	12.83	0.01919	30	Pass
NVNT	ax20 106@53	5180	Sum	16.53	0.04495	30	Pass
NVNT	ax20 106@53	5220	Ant1	14.15	0.026	30	Pass
NVNT	ax20 106@53	5220	Ant2	12.6	0.0182	30	Pass
NVNT	ax20 106@53	5220	Sum	16.45	0.0442	30	Pass
NVNT	ax20 106@53	5240	Ant1	13.8	0.02399	30	Pass

NVNT	ax20 106@53	5240	Ant2	12.41	0.01742	30	Pass
NVNT	ax20 106@53	5240	Sum	16.17	0.04141	30	Pass
NVNT	ax20 106@53	5745	Ant1	12.64	0.01837	30	Pass
NVNT	ax20 106@53	5745	Ant2	12.56	0.01803	30	Pass
NVNT	ax20 106@53	5745	Sum	15.61	0.0364	30	Pass
NVNT	ax20 106@53	5785	Ant1	12.47	0.01766	30	Pass
NVNT	ax20 106@53	5785	Ant2	12.77	0.01892	30	Pass
NVNT	ax20 106@53	5785	Sum	15.63	0.03658	30	Pass
NVNT	ax20 106@53	5825	Ant1	12.69	0.01858	30	Pass
NVNT	ax20 106@53	5825	Ant2	12.76	0.01888	30	Pass
NVNT	ax20 106@53	5825	Sum	15.74	0.03746	30	Pass
NVNT	ax40 26@0	5190	Ant1	12.15	0.01641	30	Pass
NVNT	ax40 26@0	5230	Ant1	12.05	0.01603	30	Pass
NVNT	ax40 26@0	5755	Ant1	13.01	0.02	30	Pass
NVNT	ax40 26@0	5795	Ant1	12.64	0.01837	30	Pass
NVNT	ax40 26@0	5190	Ant2	11.6	0.01445	30	Pass
NVNT	ax40 26@0	5230	Ant2	11.1	0.01288	30	Pass
NVNT	ax40 26@0	5755	Ant2	13.26	0.02118	30	Pass
NVNT	ax40 26@0	5795	Ant2	13.36	0.02168	30	Pass
NVNT	ax40 26@0	5190	Ant1	8.94	0.00783	30	Pass
NVNT	ax40 26@0	5190	Ant2	7.37	0.00546	30	Pass
NVNT	ax40 26@0	5190	Sum	11.24	0.01329	30	Pass
NVNT	ax40 26@0	5230	Ant1	8.73	0.00746	30	Pass
NVNT	ax40 26@0	5230	Ant2	7.22	0.00527	30	Pass
NVNT	ax40 26@0	5230	Sum	11.05	0.01274	30	Pass
NVNT	ax40 26@0	5755	Ant1	12.18	0.01652	30	Pass
NVNT	ax40 26@0	5755	Ant2	13.49	0.02234	30	Pass
NVNT	ax40 26@0	5755	Sum	15.9	0.03886	30	Pass
NVNT	ax40 26@0	5795	Ant1	12.35	0.01718	30	Pass
NVNT	ax40 26@0	5795	Ant2	13.92	0.02466	30	Pass
NVNT	ax40 26@0	5795	Sum	16.22	0.04184	30	Pass
NVNT	ax40 52@37	5190	Ant1	12.59	0.01816	30	Pass
NVNT	ax40 52@37	5230	Ant1	12.54	0.01795	30	Pass
NVNT	ax40 52@37	5755	Ant1	12.87	0.01936	30	Pass
NVNT	ax40 52@37	5795	Ant1	12.57	0.01807	30	Pass
NVNT	ax40 52@37	5190	Ant2	12.53	0.01791	30	Pass
NVNT	ax40 52@37	5230	Ant2	12.1	0.01622	30	Pass
NVNT	ax40 52@37	5755	Ant2	12.49	0.01774	30	Pass

NVNT	ax40 52@37	5795	Ant2	12.73	0.01875	30	Pass
NVNT	ax40 52@37	5190	Ant1	11.74	0.01493	30	Pass
NVNT	ax40 52@37	5190	Ant2	10.77	0.01194	30	Pass
NVNT	ax40 52@37	5190	Sum	14.29	0.02687	30	Pass
NVNT	ax40 52@37	5230	Ant1	11.6	0.01445	30	Pass
NVNT	ax40 52@37	5230	Ant2	10.39	0.01094	30	Pass
NVNT	ax40 52@37	5230	Sum	14.05	0.02539	30	Pass
NVNT	ax40 52@37	5755	Ant1	12.37	0.01726	30	Pass
NVNT	ax40 52@37	5755	Ant2	13.21	0.02094	30	Pass
NVNT	ax40 52@37	5755	Sum	15.82	0.0382	30	Pass
NVNT	ax40 52@37	5795	Ant1	12.5	0.01778	30	Pass
NVNT	ax40 52@37	5795	Ant2	13.66	0.02323	30	Pass
NVNT	ax40 52@37	5795	Sum	16.13	0.04101	30	Pass
NVNT	ax40 106@53	5190	Ant1	12.57	0.01807	30	Pass
NVNT	ax40 106@53	5230	Ant1	12.53	0.01791	30	Pass
NVNT	ax40 106@53	5755	Ant1	12.89	0.01945	30	Pass
NVNT	ax40 106@53	5795	Ant1	12.56	0.01803	30	Pass
NVNT	ax40 106@53	5190	Ant2	12.54	0.01795	30	Pass
NVNT	ax40 106@53	5230	Ant2	12.04	0.016	30	Pass
NVNT	ax40 106@53	5755	Ant2	12.38	0.0173	30	Pass
NVNT	ax40 106@53	5795	Ant2	12.73	0.01875	30	Pass
NVNT	ax40 106@53	5190	Ant1	13.47	0.02223	30	Pass
NVNT	ax40 106@53	5190	Ant2	12.6	0.0182	30	Pass
NVNT	ax40 106@53	5190	Sum	16.07	0.04043	30	Pass
NVNT	ax40 106@53	5230	Ant1	13.27	0.02123	30	Pass
NVNT	ax40 106@53	5230	Ant2	12.24	0.01675	30	Pass
NVNT	ax40 106@53	5230	Sum	15.8	0.03798	30	Pass
NVNT	ax40 106@53	5755	Ant1	12.32	0.01706	30	Pass
NVNT	ax40 106@53	5755	Ant2	12.42	0.01746	30	Pass
NVNT	ax40 106@53	5755	Sum	15.38	0.03452	30	Pass
NVNT	ax40 106@53	5795	Ant1	12.5	0.01778	30	Pass
NVNT	ax40 106@53	5795	Ant2	13.12	0.02051	30	Pass
NVNT	ax40 106@53	5795	Sum	15.83	0.03829	30	Pass
NVNT	ax40 242@61	5190	Ant1	12.58	0.01811	30	Pass
NVNT	ax40 242@61	5230	Ant1	12.52	0.01786	30	Pass
NVNT	ax40 242@61	5755	Ant1	12.81	0.0191	30	Pass
NVNT	ax40 242@61	5795	Ant1	12.48	0.0177	30	Pass
NVNT	ax40 242@61	5190	Ant2	12.38	0.0173	30	Pass

NVNT	ax40 242@61	5230	Ant2	12.48	0.0177	30	Pass
NVNT	ax40 242@61	5755	Ant2	12.42	0.01746	30	Pass
NVNT	ax40 242@61	5795	Ant2	12.64	0.01837	30	Pass
NVNT	ax40 242@61	5190	Ant1	13.44	0.02208	30	Pass
NVNT	ax40 242@61	5190	Ant2	12.51	0.01782	30	Pass
NVNT	ax40 242@61	5190	Sum	16.01	0.0399	30	Pass
NVNT	ax40 242@61	5230	Ant1	13.71	0.0235	30	Pass
NVNT	ax40 242@61	5230	Ant2	12.55	0.01799	30	Pass
NVNT	ax40 242@61	5230	Sum	16.18	0.04149	30	Pass
NVNT	ax40 242@61	5755	Ant1	13.16	0.0207	30	Pass
NVNT	ax40 242@61	5755	Ant2	12.77	0.01892	30	Pass
NVNT	ax40 242@61	5755	Sum	15.98	0.03962	30	Pass
NVNT	ax40 242@61	5795	Ant1	12.95	0.01972	30	Pass
NVNT	ax40 242@61	5795	Ant2	13.14	0.02061	30	Pass
NVNT	ax40 242@61	5795	Sum	16.06	0.04033	30	Pass
NVNT	ax80 26@0	5210	Ant1	11.86	0.01535	30	Pass
NVNT	ax80 26@0	5775	Ant1	12.65	0.01841	30	Pass
NVNT	ax80 26@0	5210	Ant2	11.95	0.01567	30	Pass
NVNT	ax80 26@0	5775	Ant2	13.59	0.02286	30	Pass
NVNT	ax80 26@0	5210	Ant1	8.48	0.00705	30	Pass
NVNT	ax80 26@0	5210	Ant2	8.76	0.00752	30	Pass
NVNT	ax80 26@0	5210	Sum	11.63	0.01456	30	Pass
NVNT	ax80 26@0	5775	Ant1	12.74	0.01879	30	Pass
NVNT	ax80 26@0	5775	Ant2	12.9	0.0195	30	Pass
NVNT	ax80 26@0	5775	Sum	15.83	0.03829	30	Pass
NVNT	ax80 52@37	5210	Ant1	12.46	0.01762	30	Pass
NVNT	ax80 52@37	5775	Ant1	12.52	0.01786	30	Pass
NVNT	ax80 52@37	5210	Ant2	12.48	0.0177	30	Pass
NVNT	ax80 52@37	5775	Ant2	13.33	0.02153	30	Pass
NVNT	ax80 52@37	5210	Ant1	11.18	0.01312	30	Pass
NVNT	ax80 52@37	5210	Ant2	11.46	0.014	30	Pass
NVNT	ax80 52@37	5210	Sum	14.33	0.02712	30	Pass
NVNT	ax80 52@37	5775	Ant1	12.42	0.01746	30	Pass
NVNT	ax80 52@37	5775	Ant2	12.87	0.01936	30	Pass
NVNT	ax80 52@37	5775	Sum	15.66	0.03682	30	Pass
NVNT	ax80 106@53	5210	Ant1	12.35	0.01718	30	Pass
NVNT	ax80 106@53	5775	Ant1	12.44	0.01754	30	Pass
NVNT	ax80 106@53	5210	Ant2	12.44	0.01754	30	Pass

NVNT	ax80 106@53	5775	Ant2	13.31	0.02143	30	Pass
NVNT	ax80 106@53	5210	Ant1	12.02	0.01592	30	Pass
NVNT	ax80 106@53	5210	Ant2	12.22	0.01667	30	Pass
NVNT	ax80 106@53	5210	Sum	15.13	0.03259	30	Pass
NVNT	ax80 106@53	5775	Ant1	12.33	0.0171	30	Pass
NVNT	ax80 106@53	5775	Ant2	13.17	0.02075	30	Pass
NVNT	ax80 106@53	5775	Sum	15.78	0.03785	30	Pass
NVNT	ax80 242@61	5210	Ant1	12.27	0.01687	30	Pass
NVNT	ax80 242@61	5775	Ant1	12.28	0.0169	30	Pass
NVNT	ax80 242@61	5210	Ant2	12.25	0.01679	30	Pass
NVNT	ax80 242@61	5775	Ant2	13.17	0.02075	30	Pass
NVNT	ax80 242@61	5210	Ant1	12.07	0.01611	30	Pass
NVNT	ax80 242@61	5210	Ant2	12.15	0.01641	30	Pass
NVNT	ax80 242@61	5210	Sum	15.12	0.03251	30	Pass
NVNT	ax80 242@61	5775	Ant1	12.3	0.01698	30	Pass
NVNT	ax80 242@61	5775	Ant2	12.99	0.01991	30	Pass
NVNT	ax80 242@61	5775	Sum	15.67	0.03689	30	Pass
NVNT	ax80 484@65	5210	Ant1	12.24	0.01675	30	Pass
NVNT	ax80 484@65	5775	Ant1	12.13	0.01633	30	Pass
NVNT	ax80 484@65	5210	Ant2	12.04	0.016	30	Pass
NVNT	ax80 484@65	5775	Ant2	12.98	0.01986	30	Pass
NVNT	ax80 484@65	5210	Ant1	12.02	0.01592	30	Pass
NVNT	ax80 484@65	5210	Ant2	12	0.01585	30	Pass
NVNT	ax80 484@65	5210	Sum	15.02	0.03177	30	Pass
NVNT	ax80 484@65	5775	Ant1	12.17	0.01648	30	Pass
NVNT	ax80 484@65	5775	Ant2	12.84	0.01923	30	Pass
NVNT	ax80 484@65	5775	Sum	15.53	0.03571	30	Pass

A.3. Emission Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Limit -26 dB Bandwidth (MHz)	Verdict
NVNT	a	5180	Ant1	19.142	0.5	Pass
NVNT	a	5220	Ant1	19.218	0.5	Pass
NVNT	a	5240	Ant1	19.098	0.5	Pass
NVNT	a	5180	Ant2	19.084	0.5	Pass
NVNT	a	5220	Ant2	19.364	0.5	Pass
NVNT	a	5240	Ant2	18.998	0.5	Pass
NVNT	n20	5180	Ant1	20.335	0.5	Pass
NVNT	n20	5220	Ant1	20.499	0.5	Pass
NVNT	n20	5240	Ant1	20.165	0.5	Pass
NVNT	n20	5180	Ant2	20.397	0.5	Pass
NVNT	n20	5220	Ant2	19.132	0.5	Pass
NVNT	n20	5240	Ant2	19.159	0.5	Pass
NVNT	n20	5180	Ant1	20.106	0.5	Pass
NVNT	n20	5180	Ant2	20.147	0.5	Pass
NVNT	n20	5220	Ant1	20.153	0.5	Pass
NVNT	n20	5220	Ant2	20.248	0.5	Pass
NVNT	n20	5240	Ant1	20.17	0.5	Pass
NVNT	n20	5240	Ant2	20.115	0.5	Pass
NVNT	n40	5190	Ant1	39.589	0.5	Pass
NVNT	n40	5230	Ant1	39.975	0.5	Pass
NVNT	n40	5190	Ant2	39.785	0.5	Pass
NVNT	n40	5230	Ant2	39.459	0.5	Pass
NVNT	n40	5190	Ant1	40.006	0.5	Pass
NVNT	n40	5190	Ant2	39.629	0.5	Pass
NVNT	n40	5230	Ant1	39.618	0.5	Pass
NVNT	n40	5230	Ant2	39.748	0.5	Pass
NVNT	ac20	5180	Ant1	20.36	0.5	Pass
NVNT	ac20	5220	Ant1	20.076	0.5	Pass
NVNT	ac20	5240	Ant1	20.135	0.5	Pass
NVNT	ac20	5180	Ant2	20.498	0.5	Pass
NVNT	ac20	5220	Ant2	20.293	0.5	Pass
NVNT	ac20	5240	Ant2	20.46	0.5	Pass
NVNT	ac20	5180	Ant1	20.209	0.5	Pass
NVNT	ac20	5180	Ant2	20.197	0.5	Pass

NVNT	ac20	5220	Ant1	20.228	0.5	Pass
NVNT	ac20	5220	Ant2	20.067	0.5	Pass
NVNT	ac20	5240	Ant1	20.194	0.5	Pass
NVNT	ac20	5240	Ant2	19.988	0.5	Pass
NVNT	ac40	5190	Ant1	39.556	0.5	Pass
NVNT	ac40	5230	Ant1	40.049	0.5	Pass
NVNT	ac40	5190	Ant2	39.722	0.5	Pass
NVNT	ac40	5230	Ant2	39.722	0.5	Pass
NVNT	ac40	5190	Ant1	39.705	0.5	Pass
NVNT	ac40	5190	Ant2	39.971	0.5	Pass
NVNT	ac40	5230	Ant1	39.478	0.5	Pass
NVNT	ac40	5230	Ant2	39.625	0.5	Pass
NVNT	ac80	5210	Ant1	83.129	0.5	Pass
NVNT	ac80	5210	Ant2	82.49	0.5	Pass
NVNT	ac80	5210	Ant1	82.998	0.5	Pass
NVNT	ac80	5210	Ant2	83.093	0.5	Pass
NVNT	ax20	5180	Ant1	20.737	0.5	Pass
NVNT	ax20	5220	Ant1	20.633	0.5	Pass
NVNT	ax20	5240	Ant1	20.987	0.5	Pass
NVNT	ax20	5180	Ant2	20.898	0.5	Pass
NVNT	ax20	5220	Ant2	21.076	0.5	Pass
NVNT	ax20	5240	Ant2	20.967	0.5	Pass
NVNT	ax20	5180	Ant1	20.791	0.5	Pass
NVNT	ax20	5180	Ant2	20.538	0.5	Pass
NVNT	ax20	5220	Ant1	20.757	0.5	Pass
NVNT	ax20	5220	Ant2	20.829	0.5	Pass
NVNT	ax20	5240	Ant1	20.673	0.5	Pass
NVNT	ax20	5240	Ant2	20.643	0.5	Pass
NVNT	ax40	5190	Ant1	40.501	0.5	Pass
NVNT	ax40	5230	Ant1	40.416	0.5	Pass
NVNT	ax40	5190	Ant2	40.356	0.5	Pass
NVNT	ax40	5230	Ant2	40.381	0.5	Pass
NVNT	ax40	5190	Ant1	40.469	0.5	Pass
NVNT	ax40	5190	Ant2	40.558	0.5	Pass
NVNT	ax40	5230	Ant1	40.424	0.5	Pass
NVNT	ax40	5230	Ant2	40.405	0.5	Pass
NVNT	ax80	5210	Ant1	83.615	0.5	Pass
NVNT	ax80	5210	Ant2	83.233	0.5	Pass

NVNT	ax80	5210	Ant1	83.305	0.5	Pass
NVNT	ax80	5210	Ant2	83.92	0.5	Pass
NVNT	ax20 26@0	5180	Ant1	21.029	0.5	Pass
NVNT	ax20 26@0	5220	Ant1	20.885	0.5	Pass
NVNT	ax20 26@0	5240	Ant1	20.959	0.5	Pass
NVNT	ax20 26@0	5180	Ant2	21.087	0.5	Pass
NVNT	ax20 26@0	5220	Ant2	20.95	0.5	Pass
NVNT	ax20 26@0	5240	Ant2	20.862	0.5	Pass
NVNT	ax20 26@0	5180	Ant1	20.943	0.5	Pass
NVNT	ax20 26@0	5180	Ant2	20.948	0.5	Pass
NVNT	ax20 26@0	5220	Ant1	20.716	0.5	Pass
NVNT	ax20 26@0	5220	Ant2	20.714	0.5	Pass
NVNT	ax20 26@0	5240	Ant1	20.907	0.5	Pass
NVNT	ax20 26@0	5240	Ant2	20.872	0.5	Pass
NVNT	ax20 52@37	5180	Ant1	21.191	0.5	Pass
NVNT	ax20 52@37	5220	Ant1	21.786	0.5	Pass
NVNT	ax20 52@37	5240	Ant1	21.167	0.5	Pass
NVNT	ax20 52@37	5180	Ant2	21.138	0.5	Pass
NVNT	ax20 52@37	5220	Ant2	21.069	0.5	Pass
NVNT	ax20 52@37	5240	Ant2	21.335	0.5	Pass
NVNT	ax20 52@37	5180	Ant1	21.263	0.5	Pass
NVNT	ax20 52@37	5180	Ant2	20.947	0.5	Pass
NVNT	ax20 52@37	5220	Ant1	21.168	0.5	Pass
NVNT	ax20 52@37	5220	Ant2	21.162	0.5	Pass
NVNT	ax20 52@37	5240	Ant1	21.005	0.5	Pass
NVNT	ax20 52@37	5240	Ant2	21.036	0.5	Pass
NVNT	ax20 106@53	5180	Ant1	21.891	0.5	Pass
NVNT	ax20 106@53	5220	Ant1	21.907	0.5	Pass
NVNT	ax20 106@53	5240	Ant1	21.841	0.5	Pass
NVNT	ax20 106@53	5180	Ant2	21.726	0.5	Pass
NVNT	ax20 106@53	5220	Ant2	21.8	0.5	Pass
NVNT	ax20 106@53	5240	Ant2	22.222	0.5	Pass
NVNT	ax20 106@53	5180	Ant1	21.901	0.5	Pass
NVNT	ax20 106@53	5180	Ant2	21.053	0.5	Pass
NVNT	ax20 106@53	5220	Ant1	21.697	0.5	Pass
NVNT	ax20 106@53	5220	Ant2	20.718	0.5	Pass
NVNT	ax20 106@53	5240	Ant1	21.765	0.5	Pass
NVNT	ax20 106@53	5240	Ant2	20.979	0.5	Pass

NVNT	ax40 26@0	5190	Ant1	40.596	0.5	Pass
NVNT	ax40 26@0	5230	Ant1	40.873	0.5	Pass
NVNT	ax40 26@0	5190	Ant2	41.39	0.5	Pass
NVNT	ax40 26@0	5230	Ant2	40.882	0.5	Pass
NVNT	ax40 26@0	5190	Ant1	41.34	0.5	Pass
NVNT	ax40 26@0	5190	Ant2	41.074	0.5	Pass
NVNT	ax40 26@0	5230	Ant1	40.623	0.5	Pass
NVNT	ax40 26@0	5230	Ant2	40.592	0.5	Pass
NVNT	ax40 52@37	5190	Ant1	41.035	0.5	Pass
NVNT	ax40 52@37	5230	Ant1	40.914	0.5	Pass
NVNT	ax40 52@37	5190	Ant2	41.204	0.5	Pass
NVNT	ax40 52@37	5230	Ant2	41.55	0.5	Pass
NVNT	ax40 52@37	5190	Ant1	41.199	0.5	Pass
NVNT	ax40 52@37	5190	Ant2	41.161	0.5	Pass
NVNT	ax40 52@37	5230	Ant1	40.703	0.5	Pass
NVNT	ax40 52@37	5230	Ant2	41.192	0.5	Pass
NVNT	ax40 106@53	5190	Ant1	41.799	0.5	Pass
NVNT	ax40 106@53	5230	Ant1	41.622	0.5	Pass
NVNT	ax40 106@53	5190	Ant2	41.636	0.5	Pass
NVNT	ax40 106@53	5230	Ant2	41.378	0.5	Pass
NVNT	ax40 106@53	5190	Ant1	41.749	0.5	Pass
NVNT	ax40 106@53	5190	Ant2	40.544	0.5	Pass
NVNT	ax40 106@53	5230	Ant1	41.398	0.5	Pass
NVNT	ax40 106@53	5230	Ant2	41.503	0.5	Pass
NVNT	ax40 242@61	5190	Ant1	42.616	0.5	Pass
NVNT	ax40 242@61	5230	Ant1	41.967	0.5	Pass
NVNT	ax40 242@61	5190	Ant2	41.733	0.5	Pass
NVNT	ax40 242@61	5230	Ant2	41.622	0.5	Pass
NVNT	ax40 242@61	5190	Ant1	42.554	0.5	Pass
NVNT	ax40 242@61	5190	Ant2	41.72	0.5	Pass
NVNT	ax40 242@61	5230	Ant1	42.473	0.5	Pass
NVNT	ax40 242@61	5230	Ant2	41.904	0.5	Pass
NVNT	ax80 26@0	5210	Ant1	85.429	0.5	Pass
NVNT	ax80 26@0	5210	Ant2	85.302	0.5	Pass
NVNT	ax80 26@0	5210	Ant1	85.07	0.5	Pass
NVNT	ax80 26@0	5210	Ant2	84.653	0.5	Pass
NVNT	ax80 52@37	5210	Ant1	85.833	0.5	Pass
NVNT	ax80 52@37	5210	Ant2	85.052	0.5	Pass

NVNT	ax80 52@37	5210	Ant1	85.658	0.5	Pass
NVNT	ax80 52@37	5210	Ant2	85.057	0.5	Pass
NVNT	ax80 106@53	5210	Ant1	87.625	0.5	Pass
NVNT	ax80 106@53	5210	Ant2	86.94	0.5	Pass
NVNT	ax80 106@53	5210	Ant1	86.618	0.5	Pass
NVNT	ax80 106@53	5210	Ant2	84.451	0.5	Pass
NVNT	ax80 242@61	5210	Ant1	88.621	0.5	Pass
NVNT	ax80 242@61	5210	Ant2	89.595	0.5	Pass
NVNT	ax80 242@61	5210	Ant1	87.29	0.5	Pass
NVNT	ax80 242@61	5210	Ant2	87.065	0.5	Pass
NVNT	ax80 484@65	5210	Ant1	90.362	0.5	Pass
NVNT	ax80 484@65	5210	Ant2	90.685	0.5	Pass
NVNT	ax80 484@65	5210	Ant1	91.164	0.5	Pass
NVNT	ax80 484@65	5210	Ant2	89.089	0.5	Pass

Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a	5745	Ant1	16.265	0.5	Pass
NVNT	a	5785	Ant1	16.279	0.5	Pass
NVNT	a	5825	Ant1	16.308	0.5	Pass
NVNT	a	5745	Ant2	16.327	0.5	Pass
NVNT	a	5785	Ant2	16.288	0.5	Pass
NVNT	a	5825	Ant2	16.314	0.5	Pass
NVNT	n20	5745	Ant1	17.547	0.5	Pass
NVNT	n20	5785	Ant1	17.545	0.5	Pass
NVNT	n20	5825	Ant1	16.805	0.5	Pass
NVNT	n20	5745	Ant2	16.137	0.5	Pass
NVNT	n20	5785	Ant2	16.297	0.5	Pass
NVNT	n20	5825	Ant2	16.341	0.5	Pass
NVNT	n20	5745	Ant1	16.566	0.5	Pass
NVNT	n20	5745	Ant2	16.92	0.5	Pass
NVNT	n20	5785	Ant1	17.183	0.5	Pass
NVNT	n20	5785	Ant2	17.178	0.5	Pass
NVNT	n20	5825	Ant1	16.882	0.5	Pass
NVNT	n20	5825	Ant2	16.909	0.5	Pass
NVNT	n40	5755	Ant1	35.053	0.5	Pass
NVNT	n40	5795	Ant1	35.289	0.5	Pass
NVNT	n40	5755	Ant2	35.051	0.5	Pass
NVNT	n40	5795	Ant2	35.265	0.5	Pass
NVNT	n40	5755	Ant1	34.74	0.5	Pass
NVNT	n40	5755	Ant2	35.406	0.5	Pass
NVNT	n40	5795	Ant1	35.07	0.5	Pass
NVNT	n40	5795	Ant2	35.46	0.5	Pass
NVNT	ac20	5745	Ant1	17.528	0.5	Pass
NVNT	ac20	5785	Ant1	16.922	0.5	Pass
NVNT	ac20	5825	Ant1	17.55	0.5	Pass
NVNT	ac20	5745	Ant2	16.924	0.5	Pass
NVNT	ac20	5785	Ant2	17.585	0.5	Pass
NVNT	ac20	5825	Ant2	17.077	0.5	Pass
NVNT	ac20	5745	Ant1	16.924	0.5	Pass
NVNT	ac20	5745	Ant2	16.902	0.5	Pass
NVNT	ac20	5785	Ant1	17.165	0.5	Pass

NVNT	ac20	5785	Ant2	17.171	0.5	Pass
NVNT	ac20	5825	Ant1	17.162	0.5	Pass
NVNT	ac20	5825	Ant2	15.912	0.5	Pass
NVNT	ac40	5755	Ant1	35.303	0.5	Pass
NVNT	ac40	5795	Ant1	35.291	0.5	Pass
NVNT	ac40	5755	Ant2	35.908	0.5	Pass
NVNT	ac40	5795	Ant2	34.868	0.5	Pass
NVNT	ac40	5755	Ant1	35.282	0.5	Pass
NVNT	ac40	5755	Ant2	36.307	0.5	Pass
NVNT	ac40	5795	Ant1	34.875	0.5	Pass
NVNT	ac40	5795	Ant2	35.922	0.5	Pass
NVNT	ac80	5775	Ant1	70.715	0.5	Pass
NVNT	ac80	5775	Ant2	73.896	0.5	Pass
NVNT	ac80	5775	Ant1	74.974	0.5	Pass
NVNT	ac80	5775	Ant2	73.77	0.5	Pass
NVNT	ax20	5745	Ant1	18.7	0.5	Pass
NVNT	ax20	5785	Ant1	18.097	0.5	Pass
NVNT	ax20	5825	Ant1	18.326	0.5	Pass
NVNT	ax20	5745	Ant2	18.786	0.5	Pass
NVNT	ax20	5785	Ant2	18.145	0.5	Pass
NVNT	ax20	5825	Ant2	18.811	0.5	Pass
NVNT	ax20	5745	Ant1	17.991	0.5	Pass
NVNT	ax20	5745	Ant2	18.734	0.5	Pass
NVNT	ax20	5785	Ant1	18.19	0.5	Pass
NVNT	ax20	5785	Ant2	17.742	0.5	Pass
NVNT	ax20	5825	Ant1	18.247	0.5	Pass
NVNT	ax20	5825	Ant2	18.958	0.5	Pass
NVNT	ax40	5755	Ant1	37.394	0.5	Pass
NVNT	ax40	5795	Ant1	36.995	0.5	Pass
NVNT	ax40	5755	Ant2	37.188	0.5	Pass
NVNT	ax40	5795	Ant2	37.821	0.5	Pass
NVNT	ax40	5755	Ant1	36.979	0.5	Pass
NVNT	ax40	5755	Ant2	36.187	0.5	Pass
NVNT	ax40	5795	Ant1	37.511	0.5	Pass
NVNT	ax40	5795	Ant2	36.251	0.5	Pass
NVNT	ax80	5775	Ant1	77.75	0.5	Pass
NVNT	ax80	5775	Ant2	76.668	0.5	Pass
NVNT	ax80	5775	Ant1	75.306	0.5	Pass

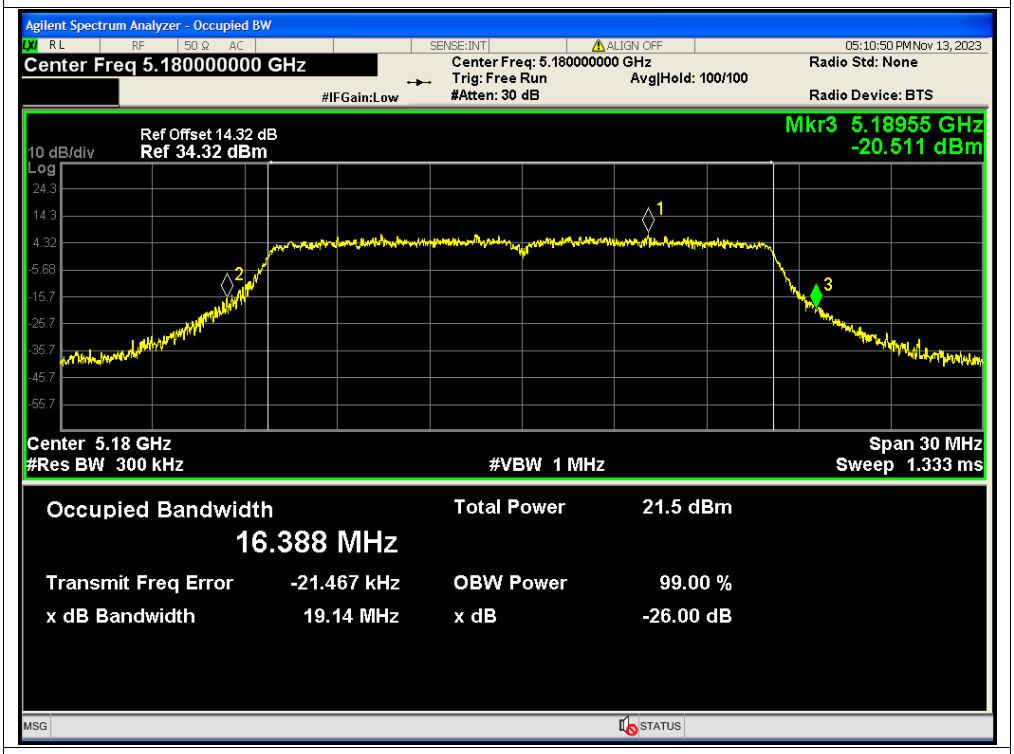
NVNT	ax80	5775	Ant2	76.961	0.5	Pass
NVNT	ax20 26@0	5745	Ant1	2.044	0.5	Pass
NVNT	ax20 26@0	5785	Ant1	2.064	0.5	Pass
NVNT	ax20 26@0	5825	Ant1	2.069	0.5	Pass
NVNT	ax20 26@0	5745	Ant2	2.077	0.5	Pass
NVNT	ax20 26@0	5785	Ant2	2.073	0.5	Pass
NVNT	ax20 26@0	5825	Ant2	2.06	0.5	Pass
NVNT	ax20 26@0	5745	Ant1	2.051	0.5	Pass
NVNT	ax20 26@0	5745	Ant2	2.047	0.5	Pass
NVNT	ax20 26@0	5785	Ant1	2.098	0.5	Pass
NVNT	ax20 26@0	5785	Ant2	2.098	0.5	Pass
NVNT	ax20 26@0	5825	Ant1	2.035	0.5	Pass
NVNT	ax20 26@0	5825	Ant2	2.057	0.5	Pass
NVNT	ax20 52@37	5745	Ant1	16.998	0.5	Pass
NVNT	ax20 52@37	5785	Ant1	17.053	0.5	Pass
NVNT	ax20 52@37	5825	Ant1	17.058	0.5	Pass
NVNT	ax20 52@37	5745	Ant2	16.999	0.5	Pass
NVNT	ax20 52@37	5785	Ant2	17.068	0.5	Pass
NVNT	ax20 52@37	5825	Ant2	15.76	0.5	Pass
NVNT	ax20 52@37	5745	Ant1	16.958	0.5	Pass
NVNT	ax20 52@37	5745	Ant2	17.02	0.5	Pass
NVNT	ax20 52@37	5785	Ant1	15.782	0.5	Pass
NVNT	ax20 52@37	5785	Ant2	17.043	0.5	Pass
NVNT	ax20 52@37	5825	Ant1	17.051	0.5	Pass
NVNT	ax20 52@37	5825	Ant2	17.014	0.5	Pass
NVNT	ax20 106@53	5745	Ant1	18.079	0.5	Pass
NVNT	ax20 106@53	5785	Ant1	18.133	0.5	Pass
NVNT	ax20 106@53	5825	Ant1	18.081	0.5	Pass
NVNT	ax20 106@53	5745	Ant2	17.149	0.5	Pass
NVNT	ax20 106@53	5785	Ant2	18.121	0.5	Pass
NVNT	ax20 106@53	5825	Ant2	17.148	0.5	Pass
NVNT	ax20 106@53	5745	Ant1	17.134	0.5	Pass
NVNT	ax20 106@53	5745	Ant2	17.694	0.5	Pass
NVNT	ax20 106@53	5785	Ant1	18.097	0.5	Pass
NVNT	ax20 106@53	5785	Ant2	17.711	0.5	Pass
NVNT	ax20 106@53	5825	Ant1	18.066	0.5	Pass
NVNT	ax20 106@53	5825	Ant2	17.682	0.5	Pass
NVNT	ax40 26@0	5755	Ant1	2.041	0.5	Pass

NVNT	ax40 26@0	5795	Ant1	2.068	0.5	Pass
NVNT	ax40 26@0	5755	Ant2	2.046	0.5	Pass
NVNT	ax40 26@0	5795	Ant2	2.047	0.5	Pass
NVNT	ax40 26@0	5755	Ant1	2.05	0.5	Pass
NVNT	ax40 26@0	5755	Ant2	2.059	0.5	Pass
NVNT	ax40 26@0	5795	Ant1	2.039	0.5	Pass
NVNT	ax40 26@0	5795	Ant2	2.04	0.5	Pass
NVNT	ax40 52@37	5755	Ant1	4.094	0.5	Pass
NVNT	ax40 52@37	5795	Ant1	4.119	0.5	Pass
NVNT	ax40 52@37	5755	Ant2	4.133	0.5	Pass
NVNT	ax40 52@37	5795	Ant2	4.108	0.5	Pass
NVNT	ax40 52@37	5755	Ant1	4.142	0.5	Pass
NVNT	ax40 52@37	5755	Ant2	4.088	0.5	Pass
NVNT	ax40 52@37	5795	Ant1	4.151	0.5	Pass
NVNT	ax40 52@37	5795	Ant2	4.114	0.5	Pass
NVNT	ax40 106@53	5755	Ant1	36.558	0.5	Pass
NVNT	ax40 106@53	5795	Ant1	36.569	0.5	Pass
NVNT	ax40 106@53	5755	Ant2	36.559	0.5	Pass
NVNT	ax40 106@53	5795	Ant2	36.515	0.5	Pass
NVNT	ax40 106@53	5755	Ant1	36.512	0.5	Pass
NVNT	ax40 106@53	5755	Ant2	34.053	0.5	Pass
NVNT	ax40 106@53	5795	Ant1	36.527	0.5	Pass
NVNT	ax40 106@53	5795	Ant2	36.529	0.5	Pass
NVNT	ax40 242@61	5755	Ant1	37.677	0.5	Pass
NVNT	ax40 242@61	5795	Ant1	36.731	0.5	Pass
NVNT	ax40 242@61	5755	Ant2	37.656	0.5	Pass
NVNT	ax40 242@61	5795	Ant2	36.681	0.5	Pass
NVNT	ax40 242@61	5755	Ant1	37.649	0.5	Pass
NVNT	ax40 242@61	5755	Ant2	36.651	0.5	Pass
NVNT	ax40 242@61	5795	Ant1	37.642	0.5	Pass
NVNT	ax40 242@61	5795	Ant2	36.667	0.5	Pass
NVNT	ax80 26@0	5775	Ant1	2.102	0.5	Pass
NVNT	ax80 26@0	5775	Ant2	2.067	0.5	Pass
NVNT	ax80 26@0	5775	Ant1	2.037	0.5	Pass
NVNT	ax80 26@0	5775	Ant2	2.071	0.5	Pass
NVNT	ax80 52@37	5775	Ant1	4.155	0.5	Pass
NVNT	ax80 52@37	5775	Ant2	4.144	0.5	Pass
NVNT	ax80 52@37	5775	Ant1	4.074	0.5	Pass

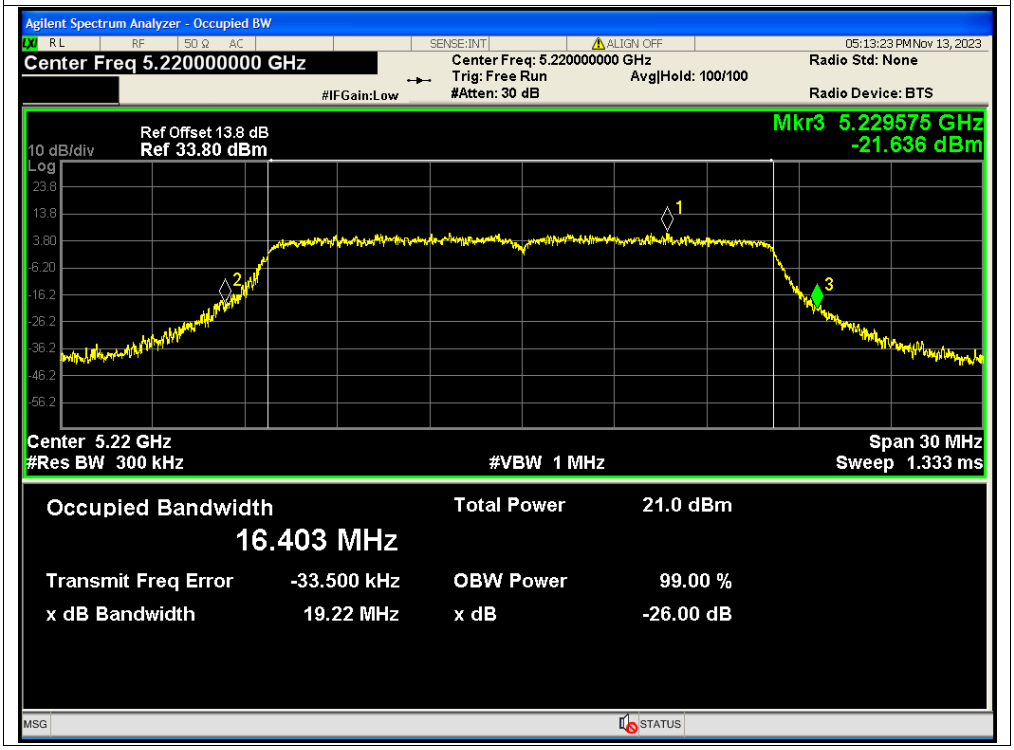
NVNT	ax80 52@37	5775	Ant2	4.165	0.5	Pass
NVNT	ax80 106@53	5775	Ant1	8.275	0.5	Pass
NVNT	ax80 106@53	5775	Ant2	8.304	0.5	Pass
NVNT	ax80 106@53	5775	Ant1	8.312	0.5	Pass
NVNT	ax80 106@53	5775	Ant2	8.27	0.5	Pass
NVNT	ax80 242@61	5775	Ant1	76.629	0.5	Pass
NVNT	ax80 242@61	5775	Ant2	76.729	0.5	Pass
NVNT	ax80 242@61	5775	Ant1	76.68	0.5	Pass
NVNT	ax80 242@61	5775	Ant2	76.61	0.5	Pass
NVNT	ax80 484@65	5775	Ant1	76.649	0.5	Pass
NVNT	ax80 484@65	5775	Ant2	76.663	0.5	Pass
NVNT	ax80 484@65	5775	Ant1	76.678	0.5	Pass
NVNT	ax80 484@65	5775	Ant2	77.625	0.5	Pass

Test Graphs

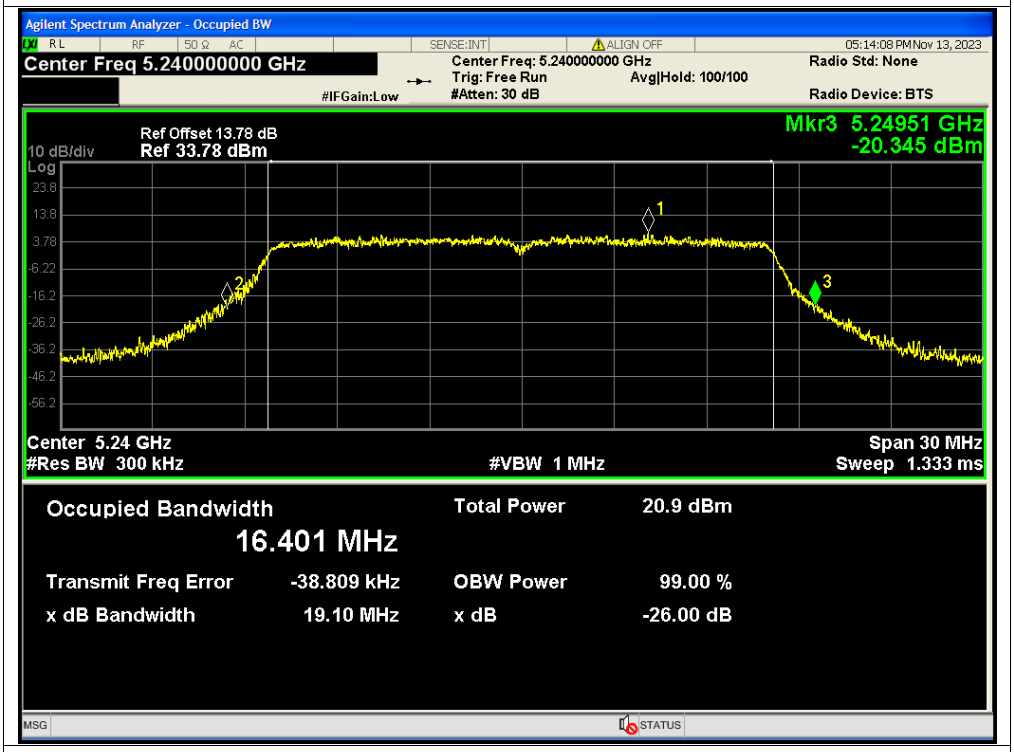
-26dB Bandwidth NVNT a 5180MHz Ant1



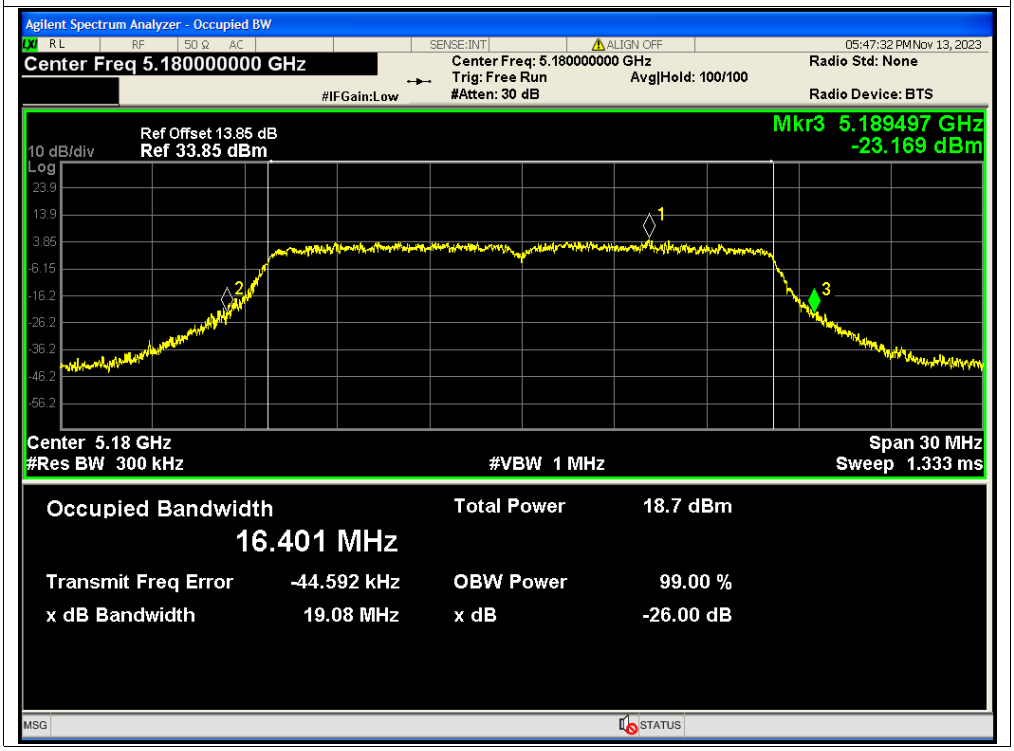
-26dB Bandwidth NVNT a 5220MHz Ant1



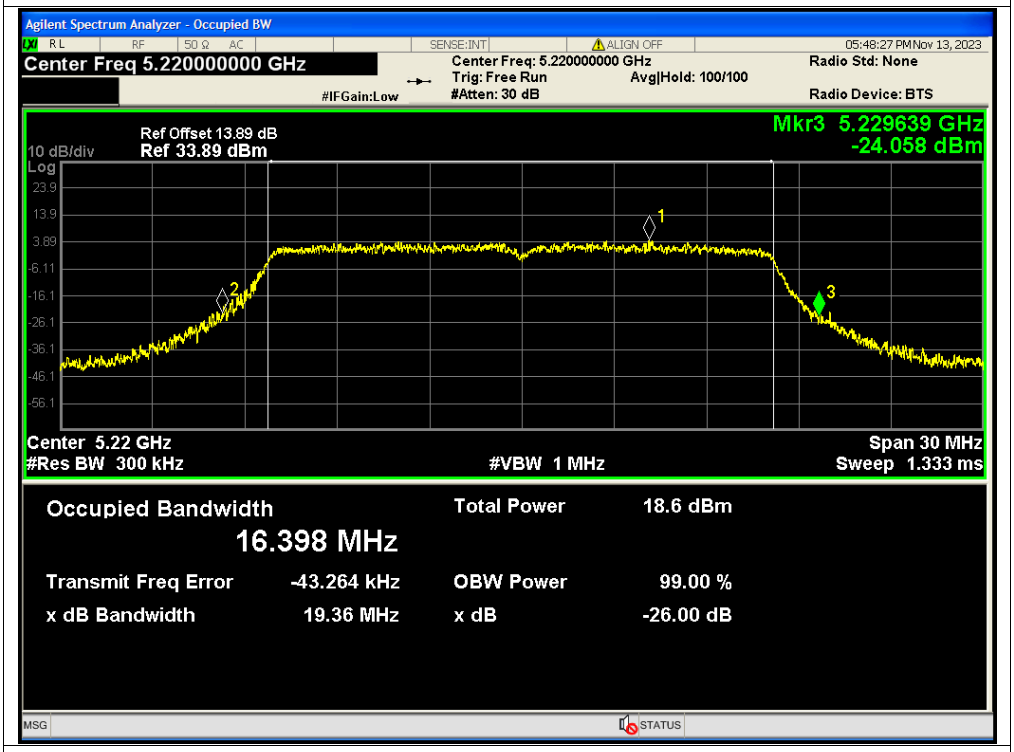
-26dB Bandwidth NVNT a 5240MHz Ant1



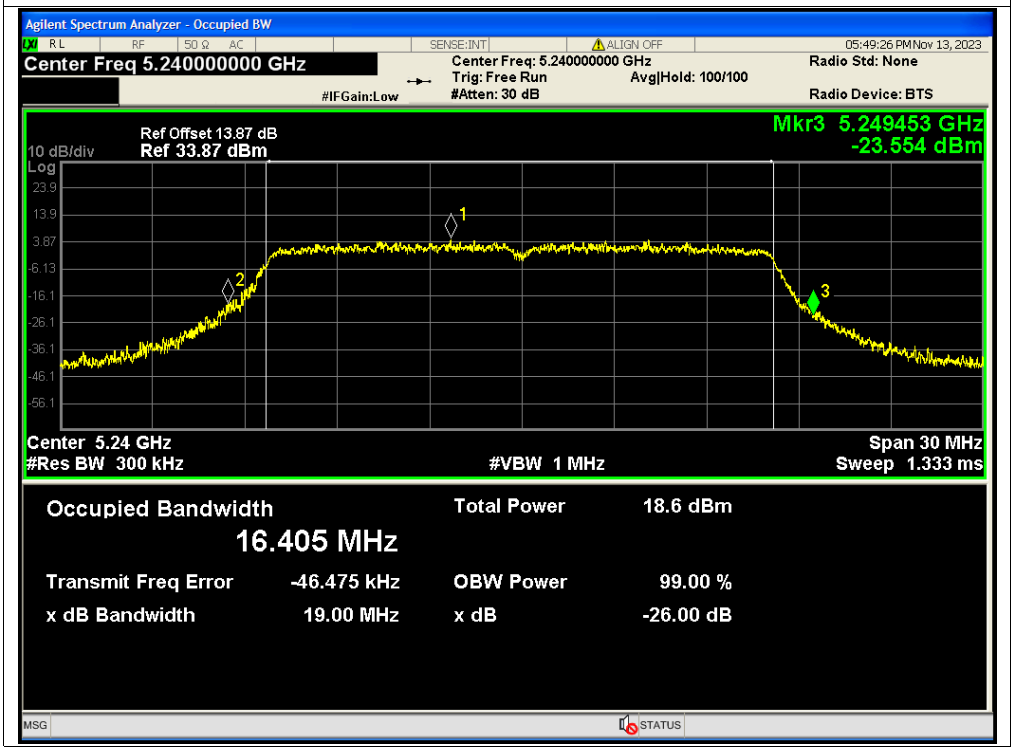
-26dB Bandwidth NVNT a 5180MHz Ant2



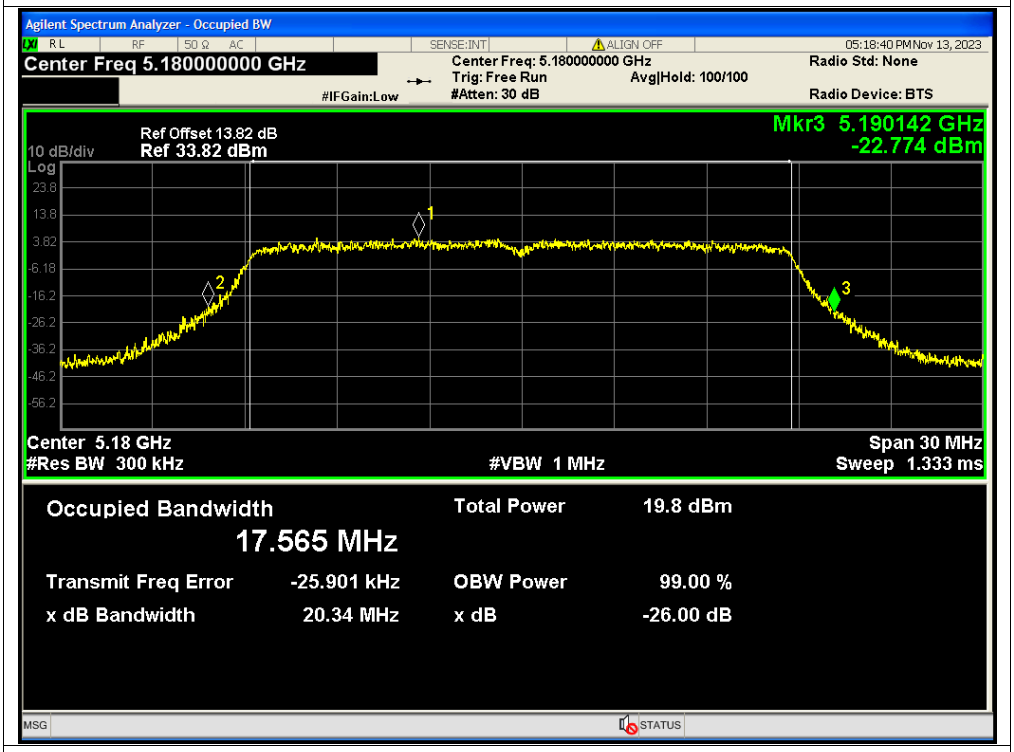
-26dB Bandwidth NVNT a 5220MHz Ant2



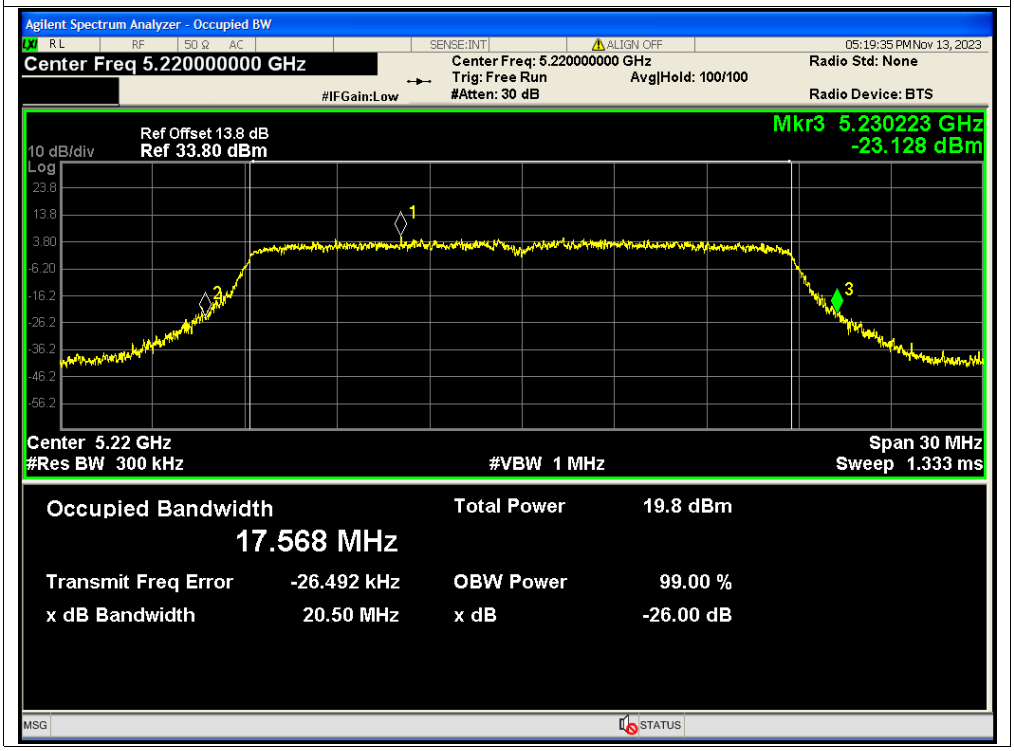
-26dB Bandwidth NVNT a 5240MHz Ant2



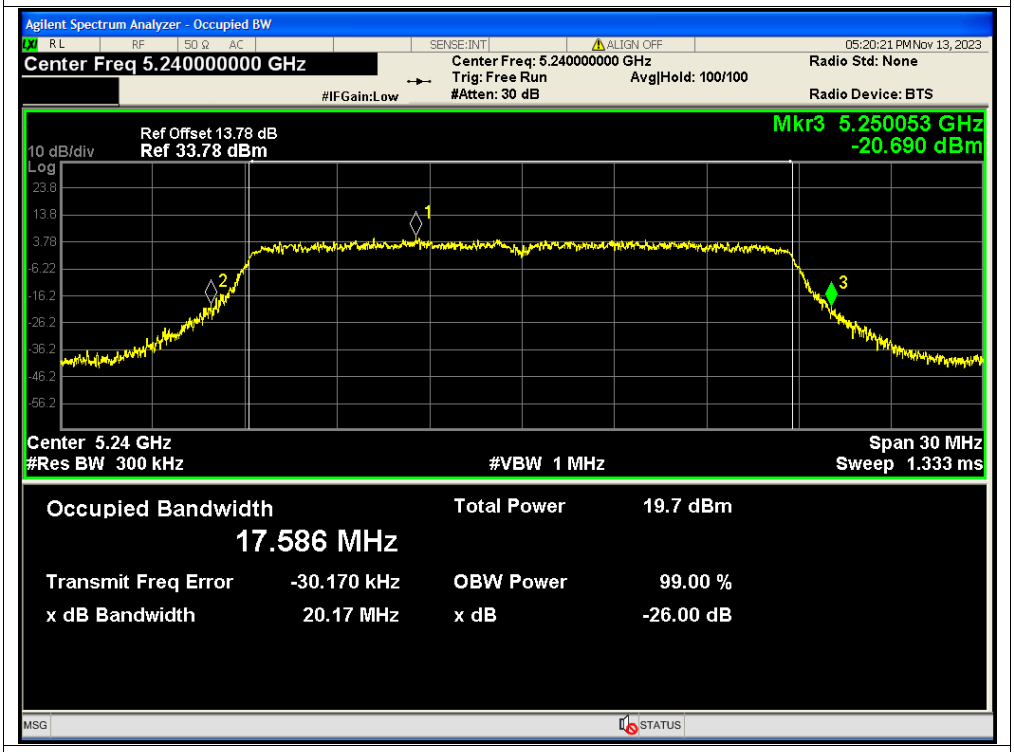
-26dB Bandwidth NVNT n20 5180MHz Ant1



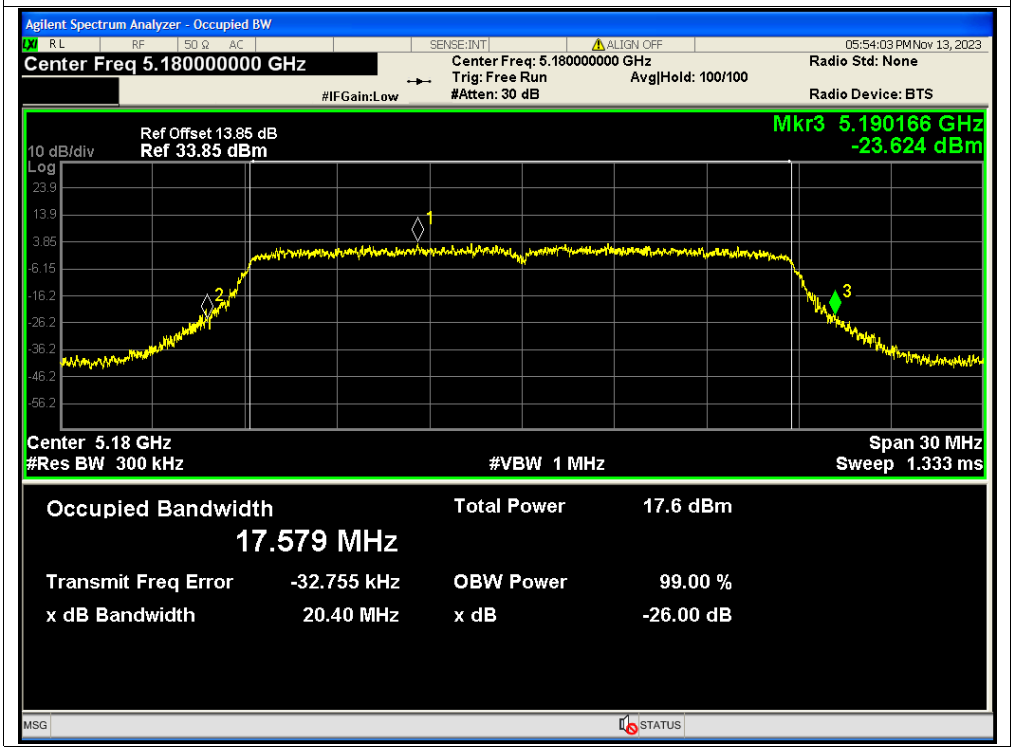
-26dB Bandwidth NVNT n20 5220MHz Ant1



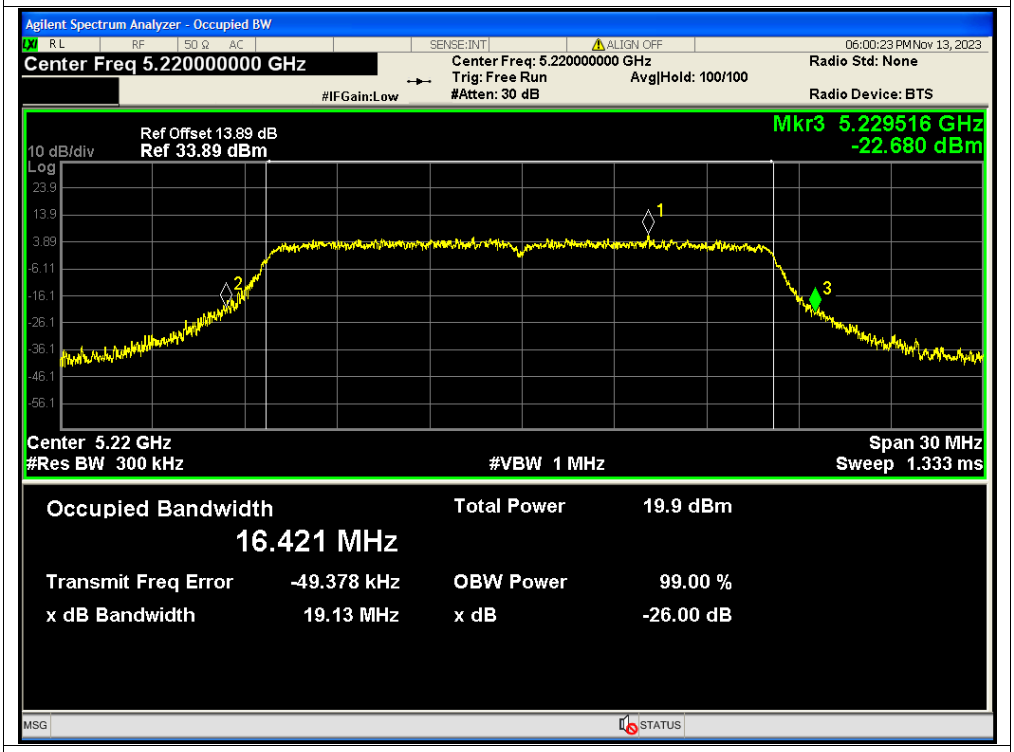
-26dB Bandwidth NVNT n20 5240MHz Ant1



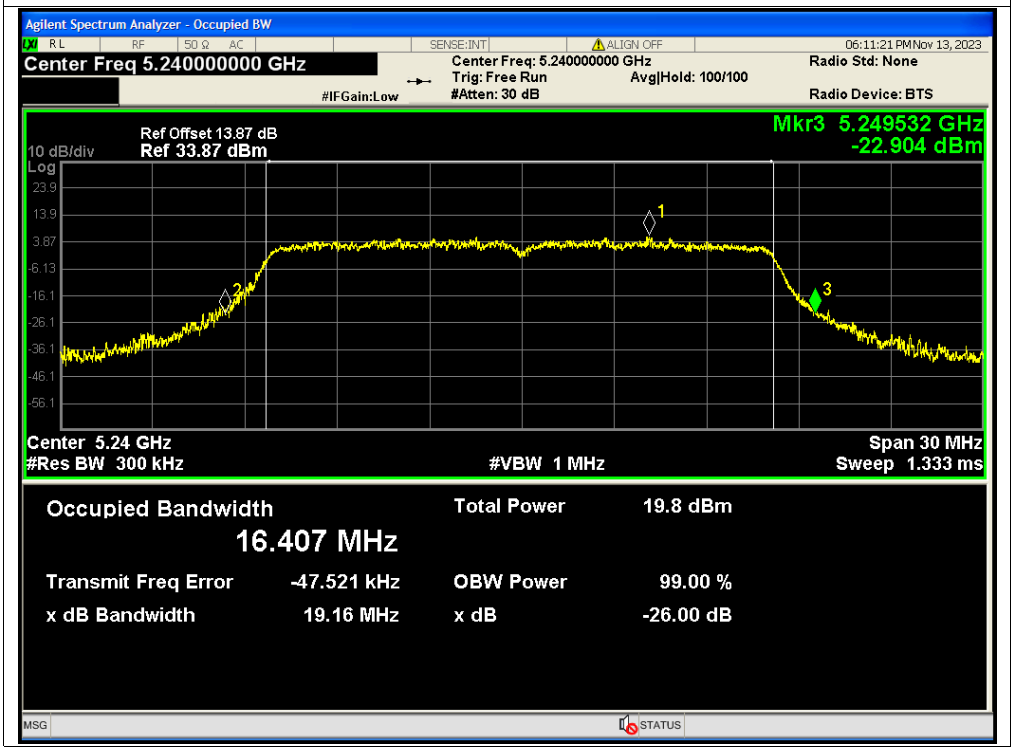
-26dB Bandwidth NVNT n20 5180MHz Ant2



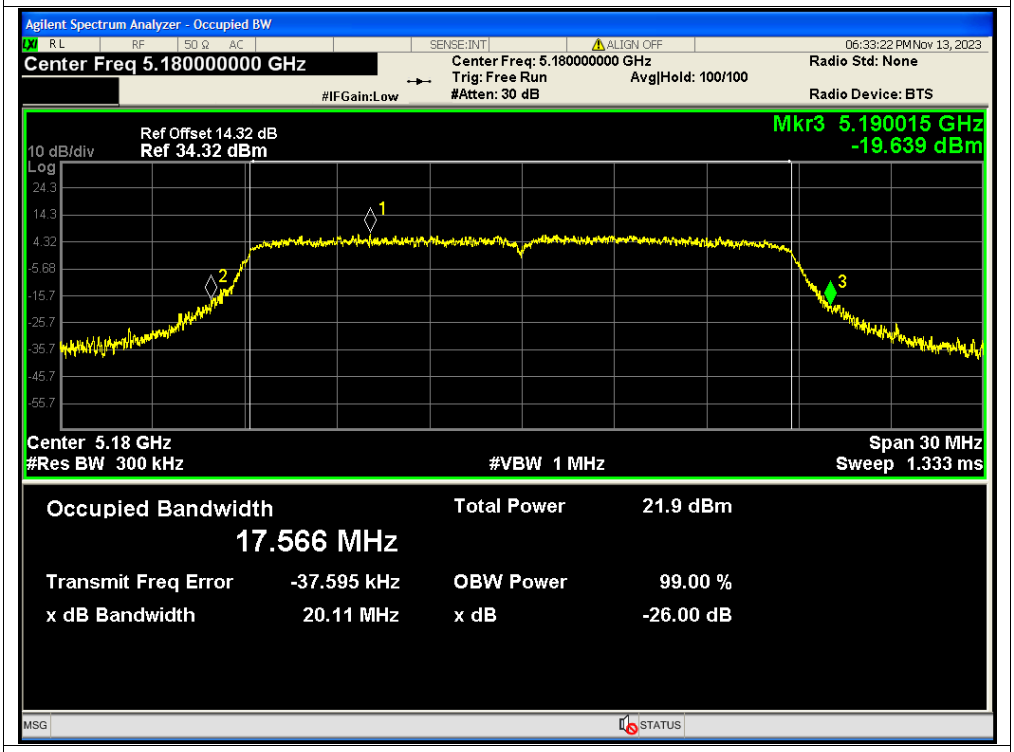
-26dB Bandwidth NVNT n20 5220MHz Ant2



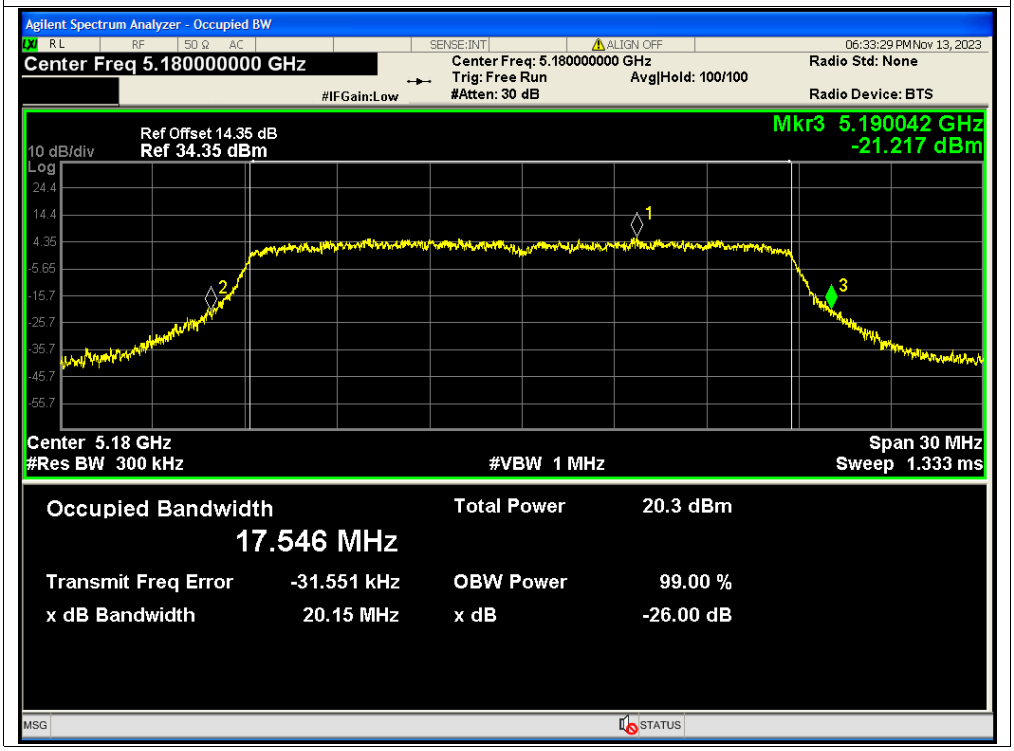
-26dB Bandwidth NVNT n20 5240MHz Ant2



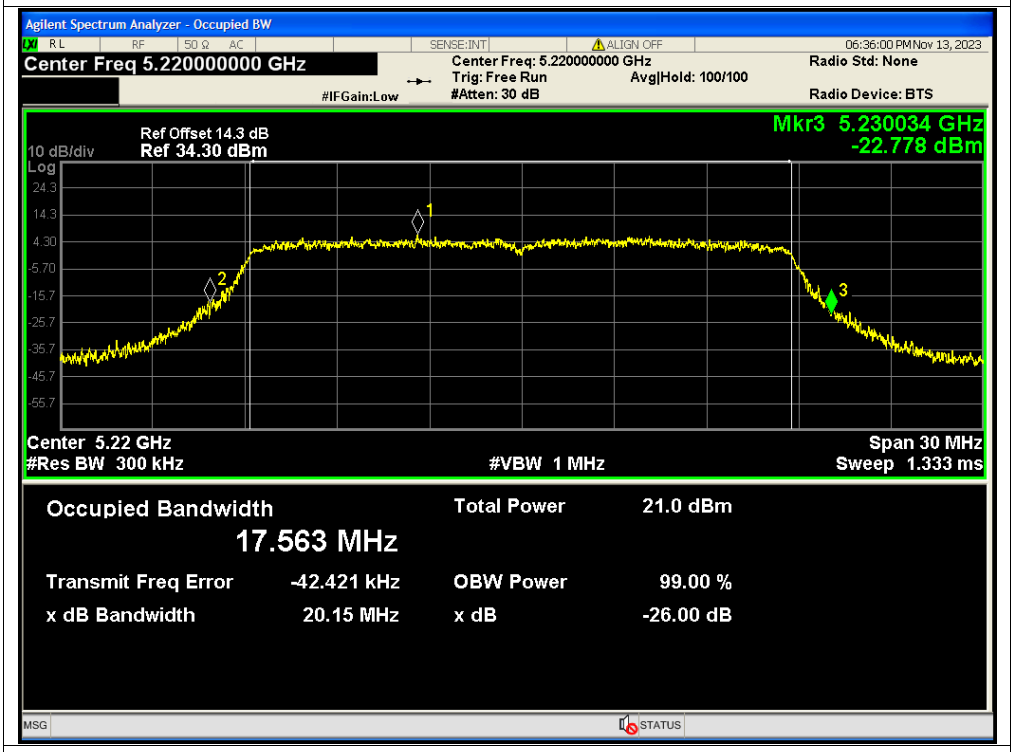
-26dB Bandwidth NVNT n20 5180MHz Ant1



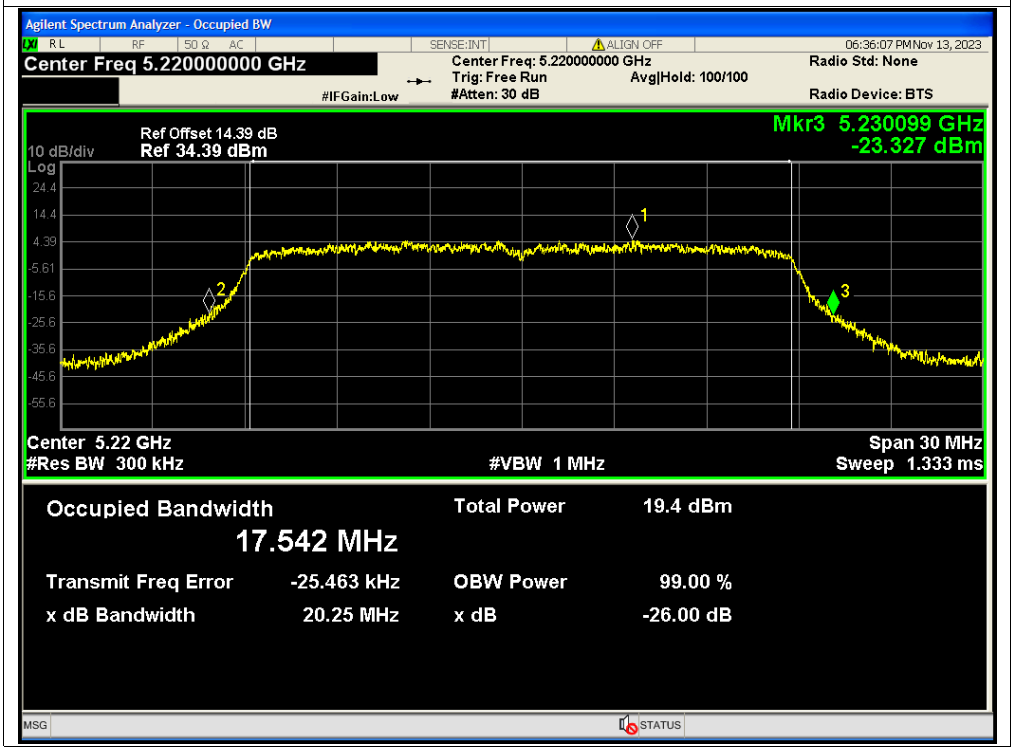
-26dB Bandwidth NVNT n20 5180MHz Ant2



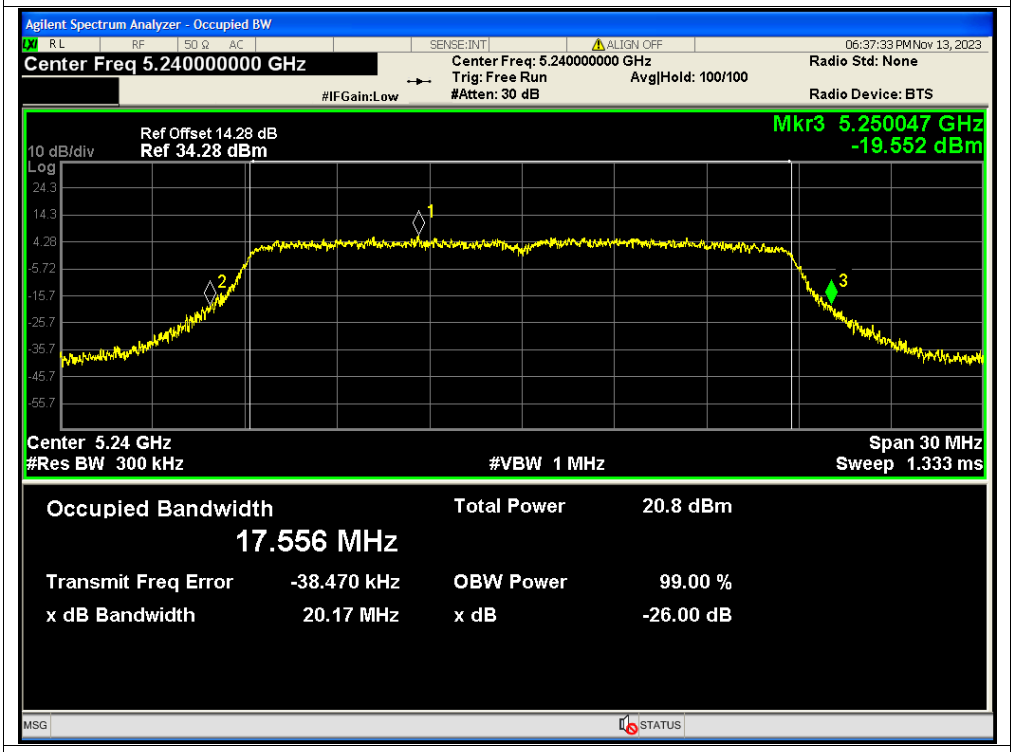
-26dB Bandwidth NVNT n20 5220MHz Ant1



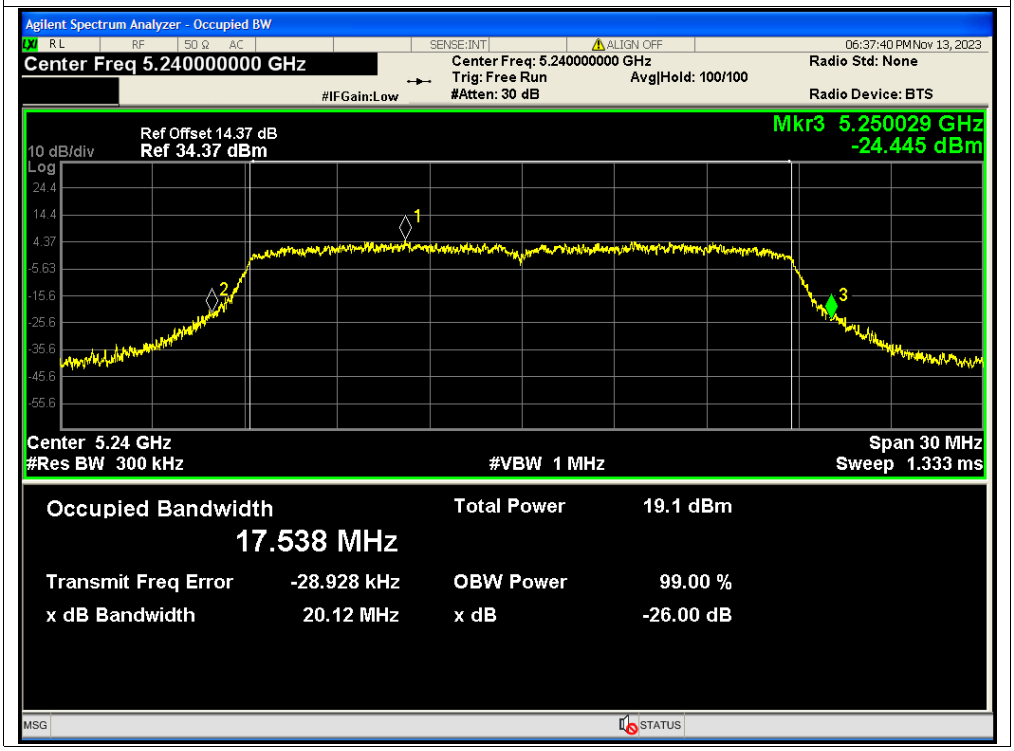
-26dB Bandwidth NVNT n20 5220MHz Ant2



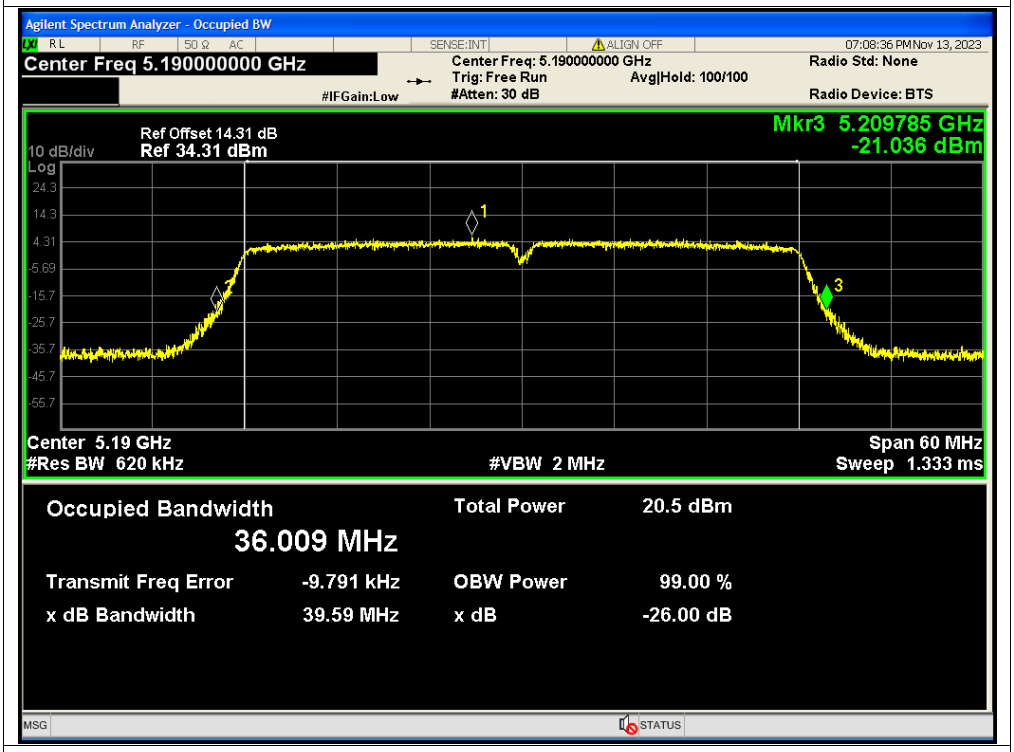
-26dB Bandwidth NVNT n20 5240MHz Ant1



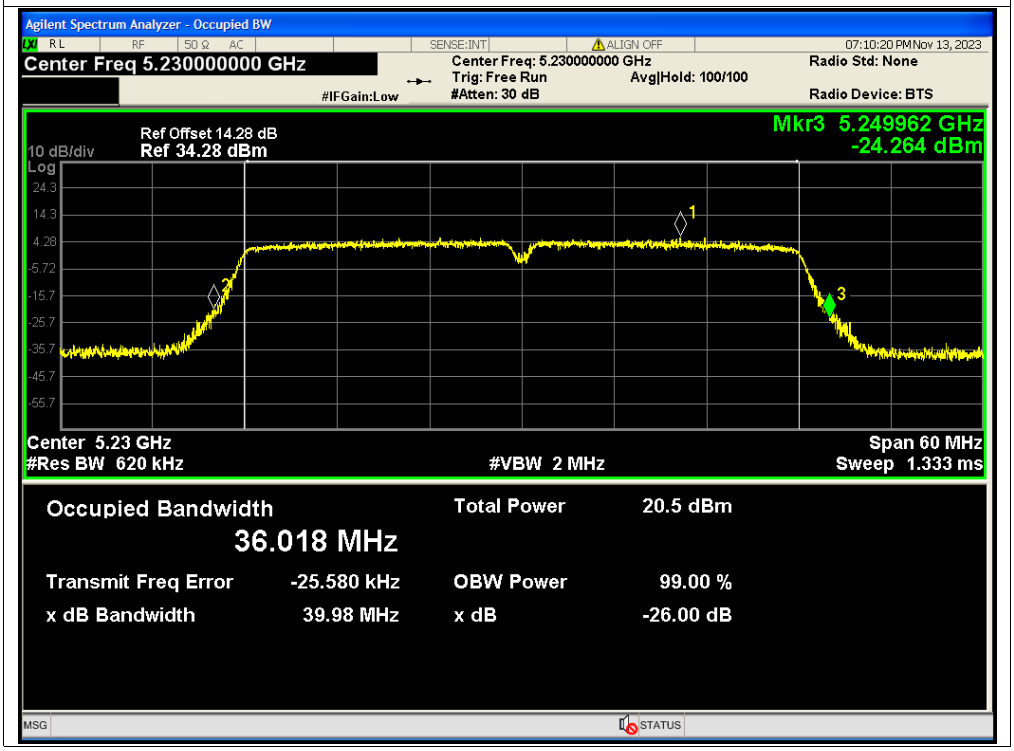
-26dB Bandwidth NVNT n20 5240MHz Ant2



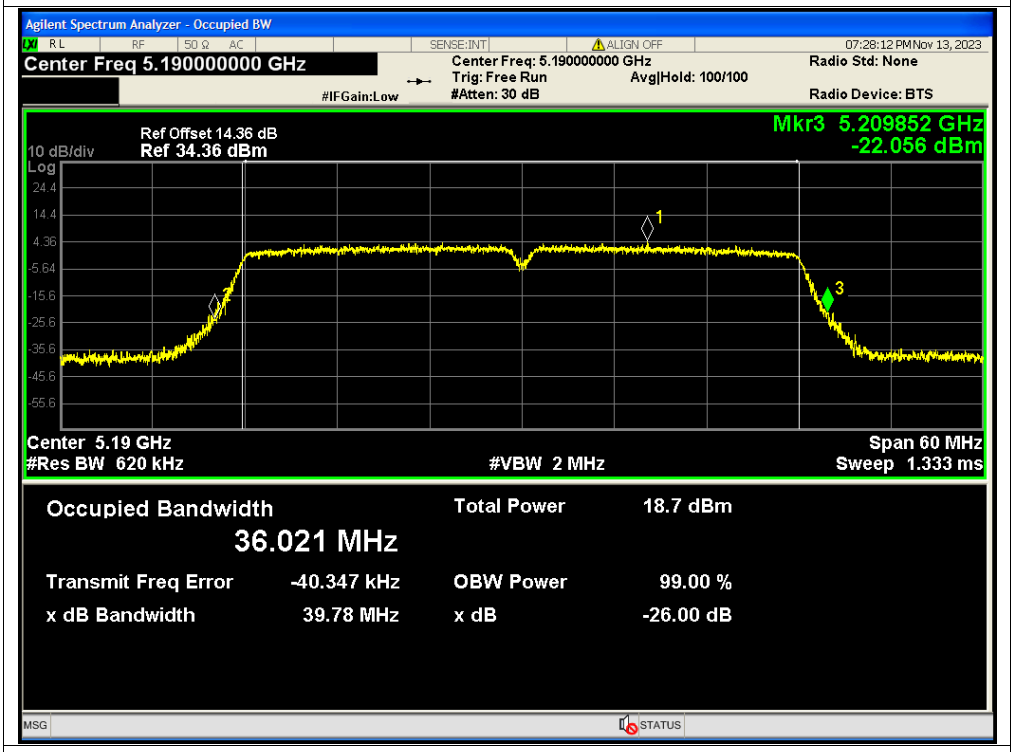
-26dB Bandwidth NVNT n40 5190MHz Ant1



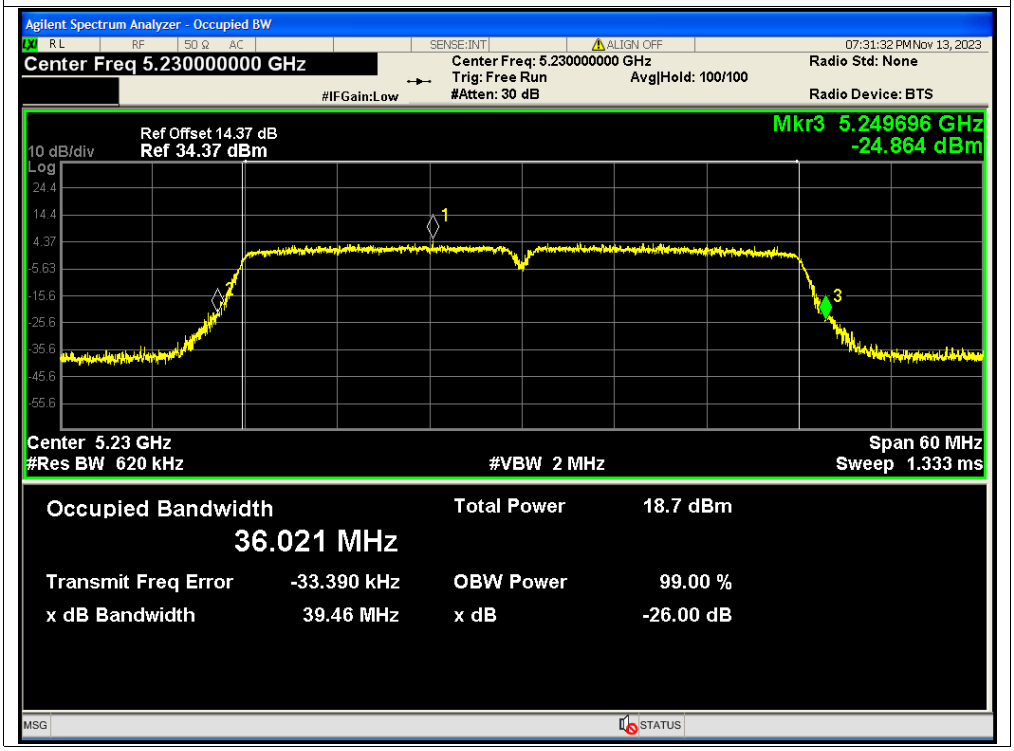
-26dB Bandwidth NVNT n40 5230MHz Ant1



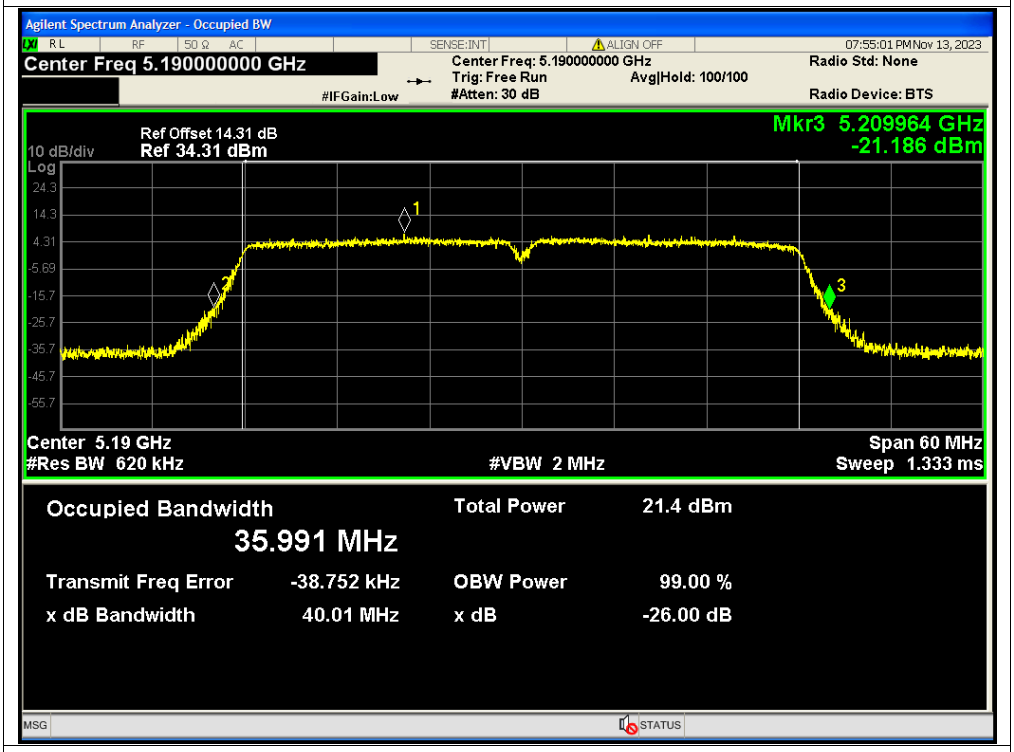
-26dB Bandwidth NVNT n40 5190MHz Ant2



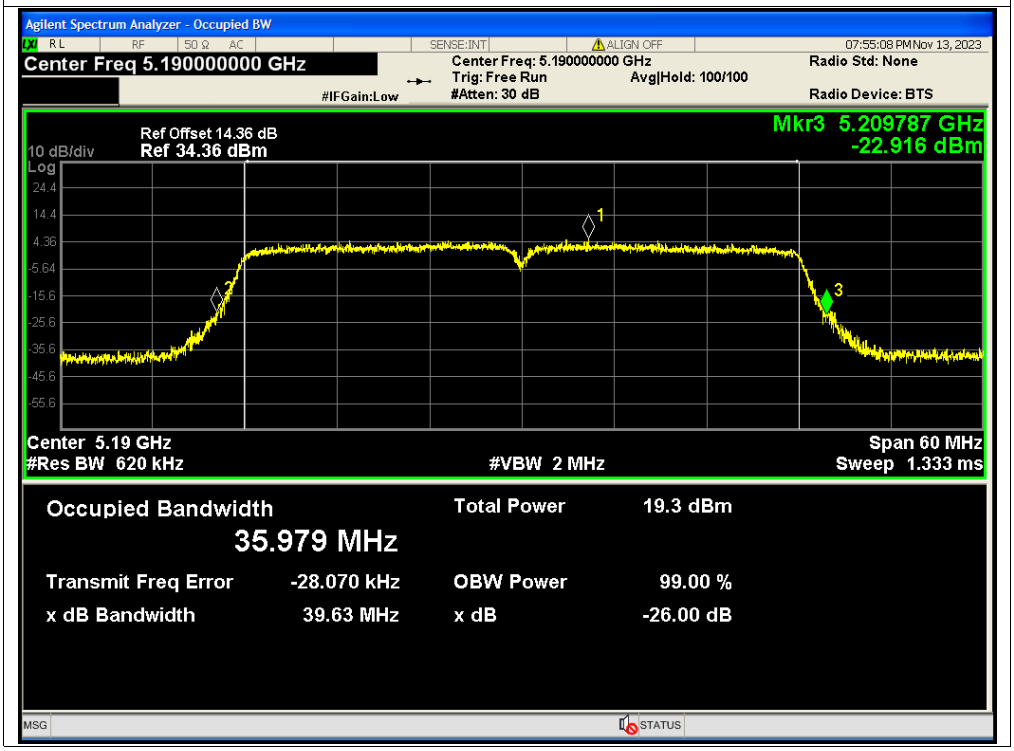
-26dB Bandwidth NVNT n40 5230MHz Ant2



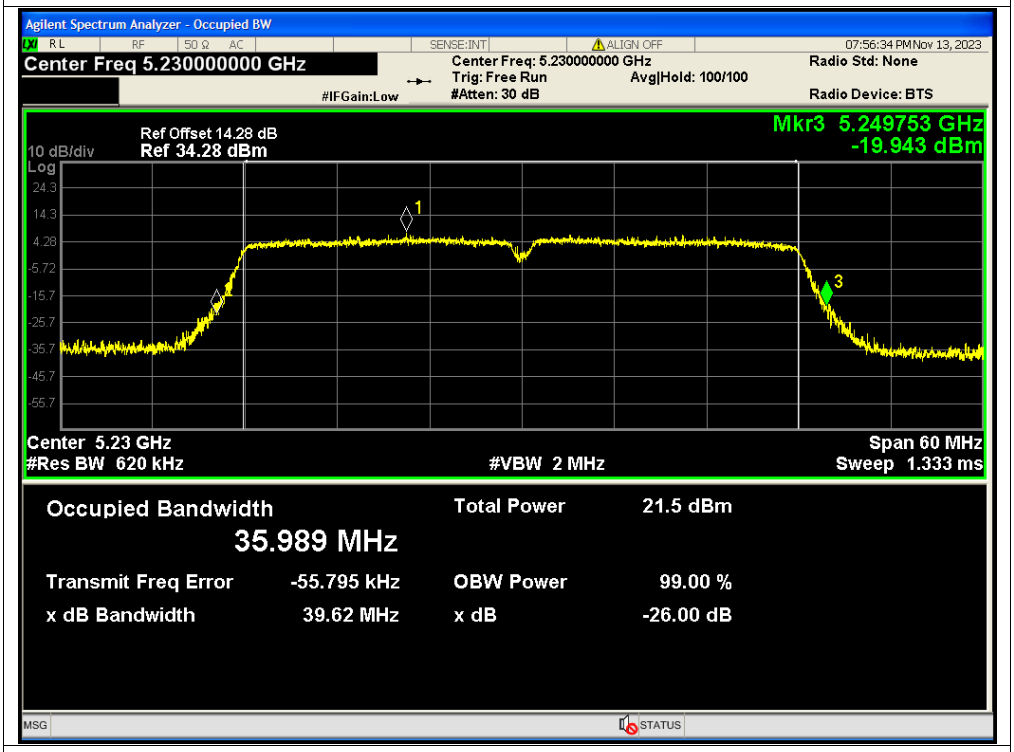
-26dB Bandwidth NVNT n40 5190MHz Ant1



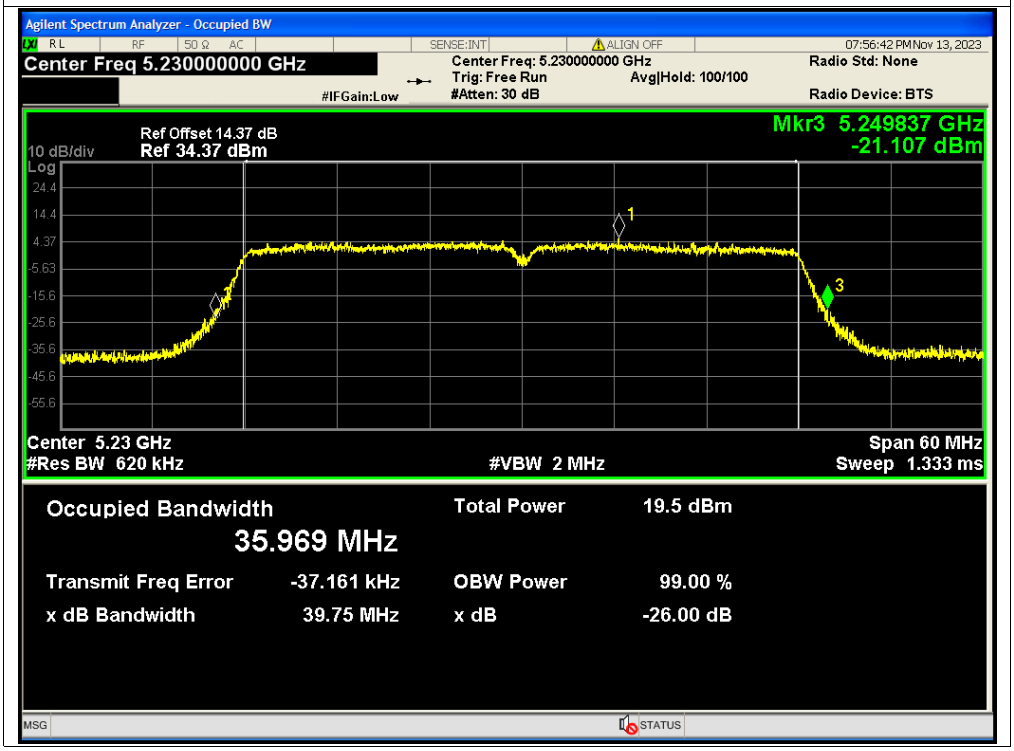
-26dB Bandwidth NVNT n40 5190MHz Ant2



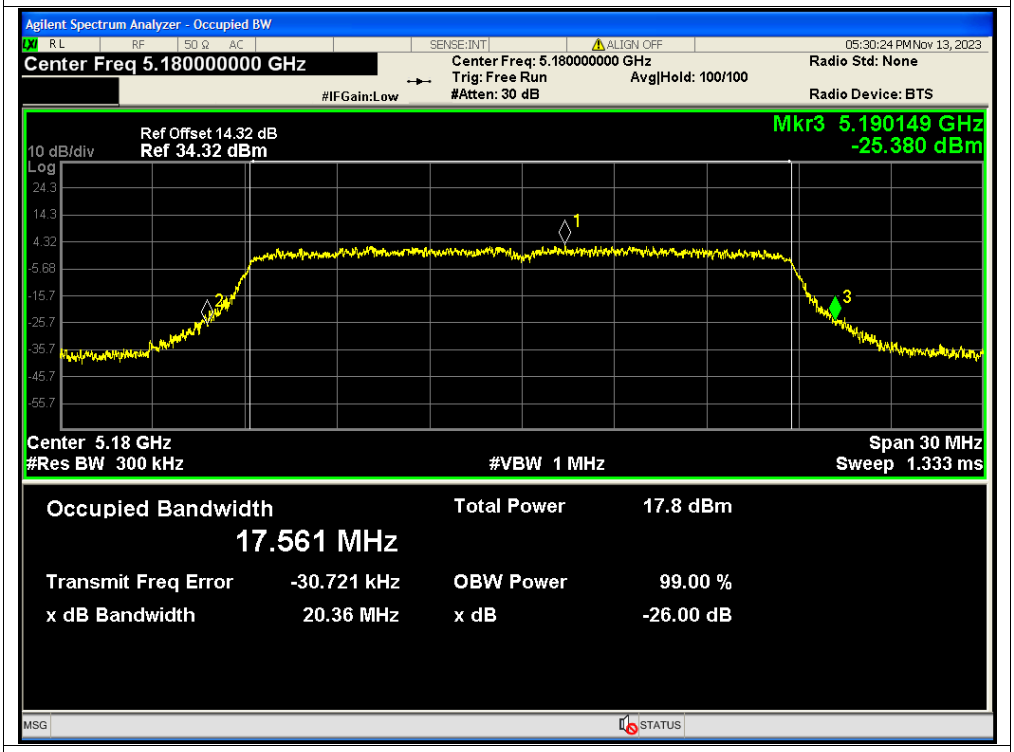
-26dB Bandwidth NVNT n40 5230MHz Ant1



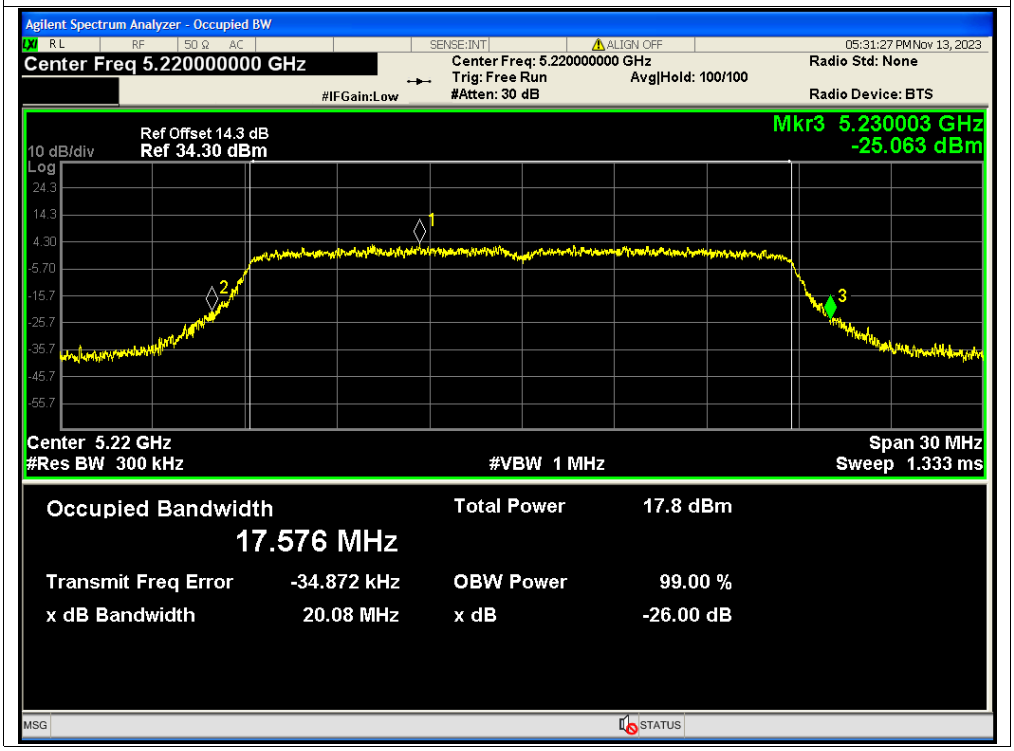
-26dB Bandwidth NVNT n40 5230MHz Ant2



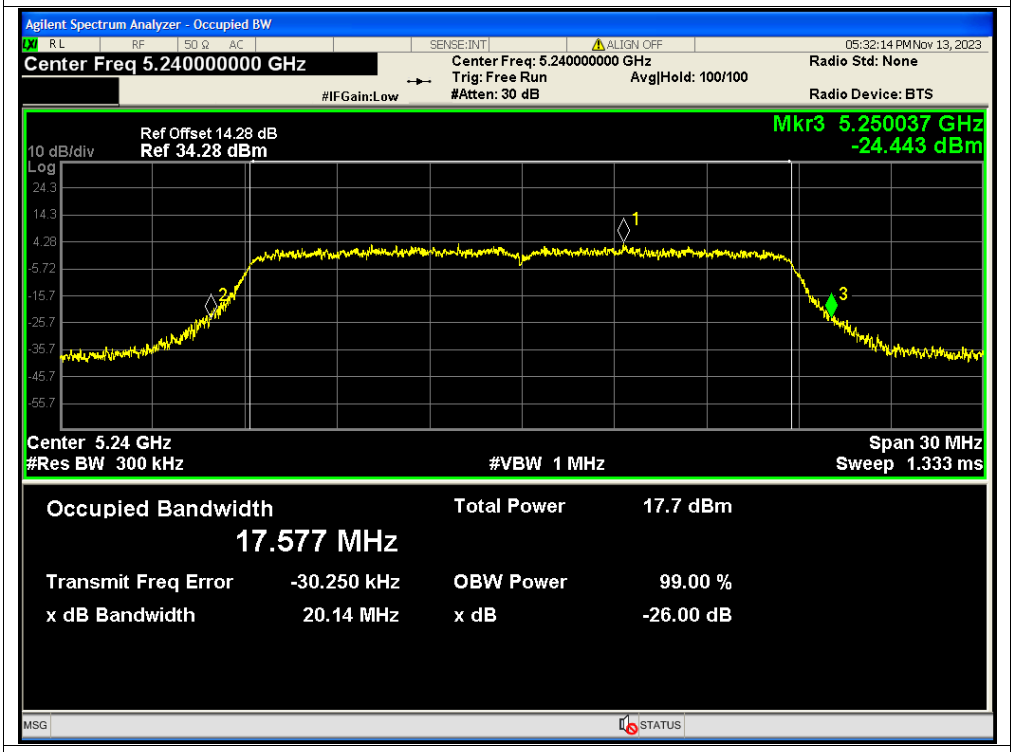
-26dB Bandwidth NVNT ac20 5180MHz Ant1



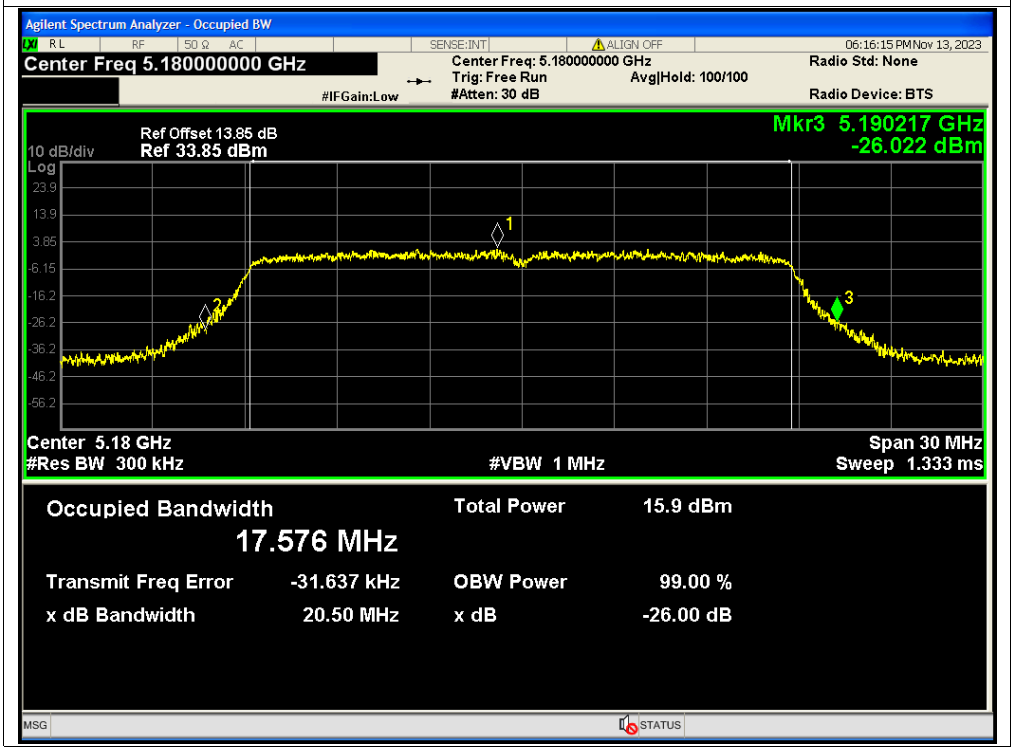
-26dB Bandwidth NVNT ac20 5220MHz Ant1



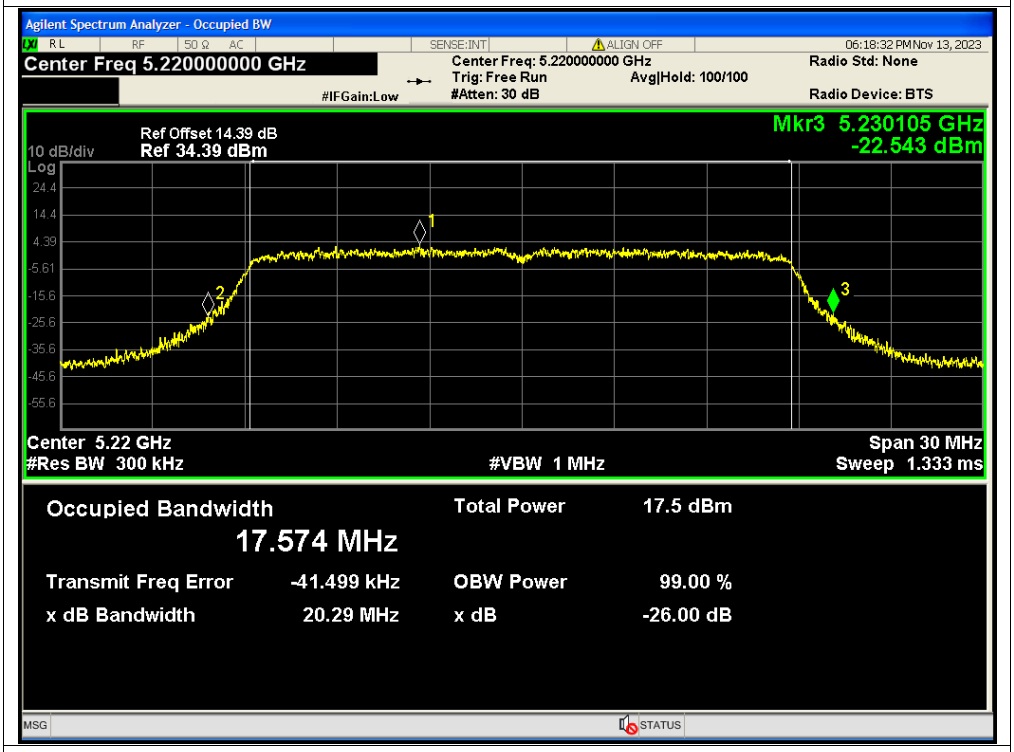
-26dB Bandwidth NVNT ac20 5240MHz Ant1



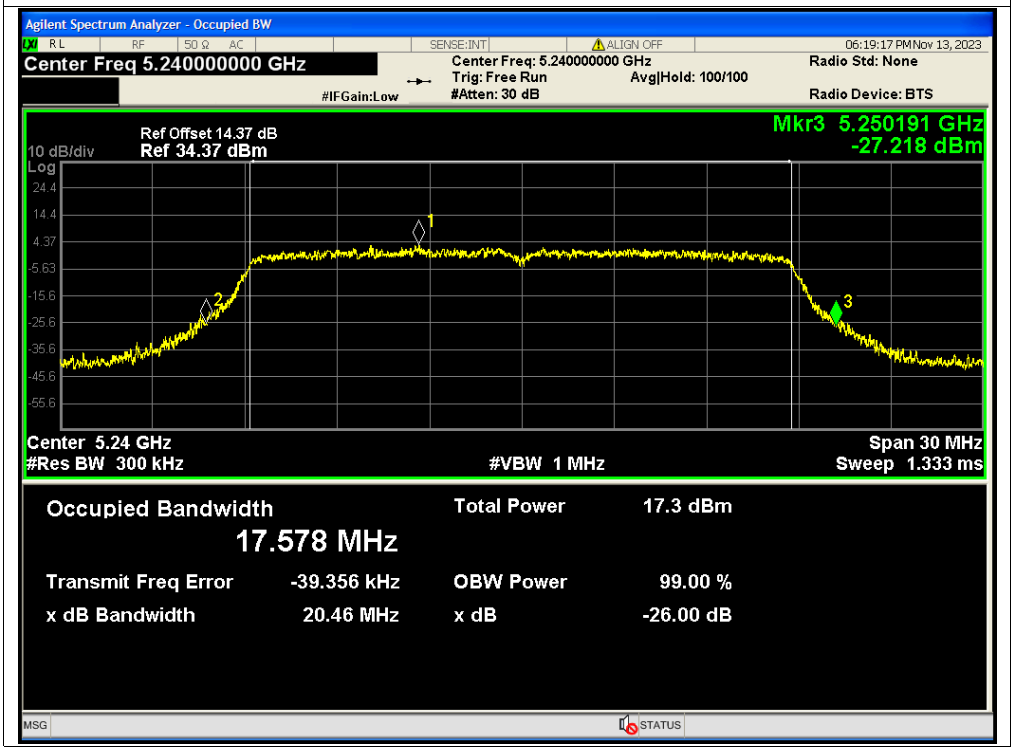
-26dB Bandwidth NVNT ac20 5180MHz Ant2



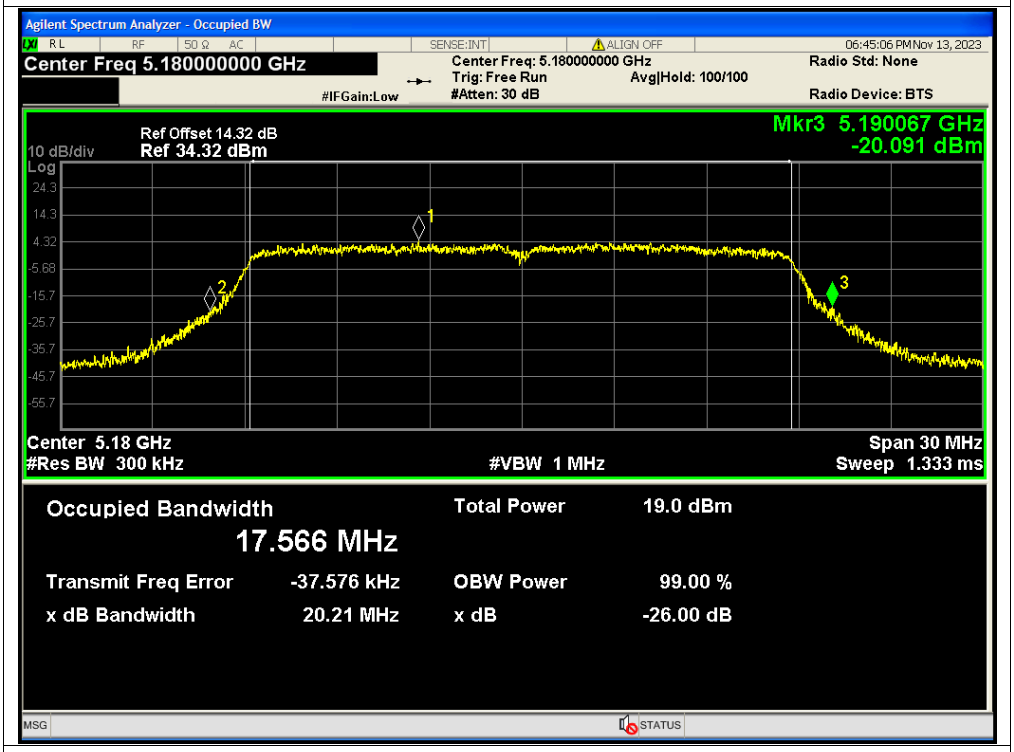
-26dB Bandwidth NVNT ac20 5220MHz Ant2



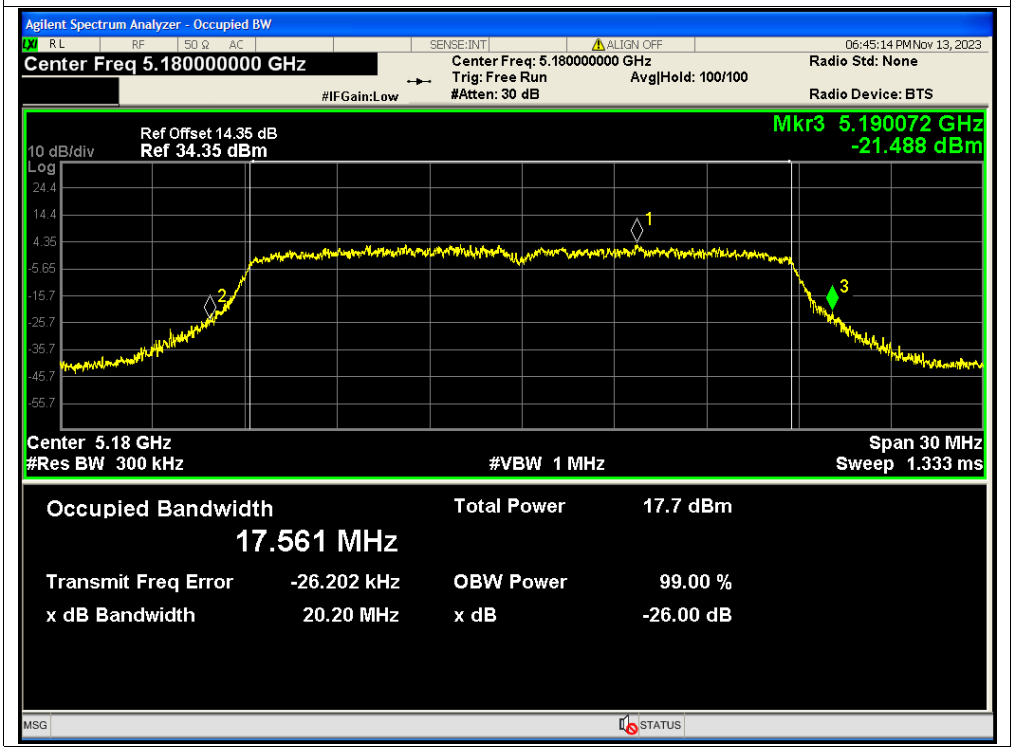
-26dB Bandwidth NVNT ac20 5240MHz Ant2



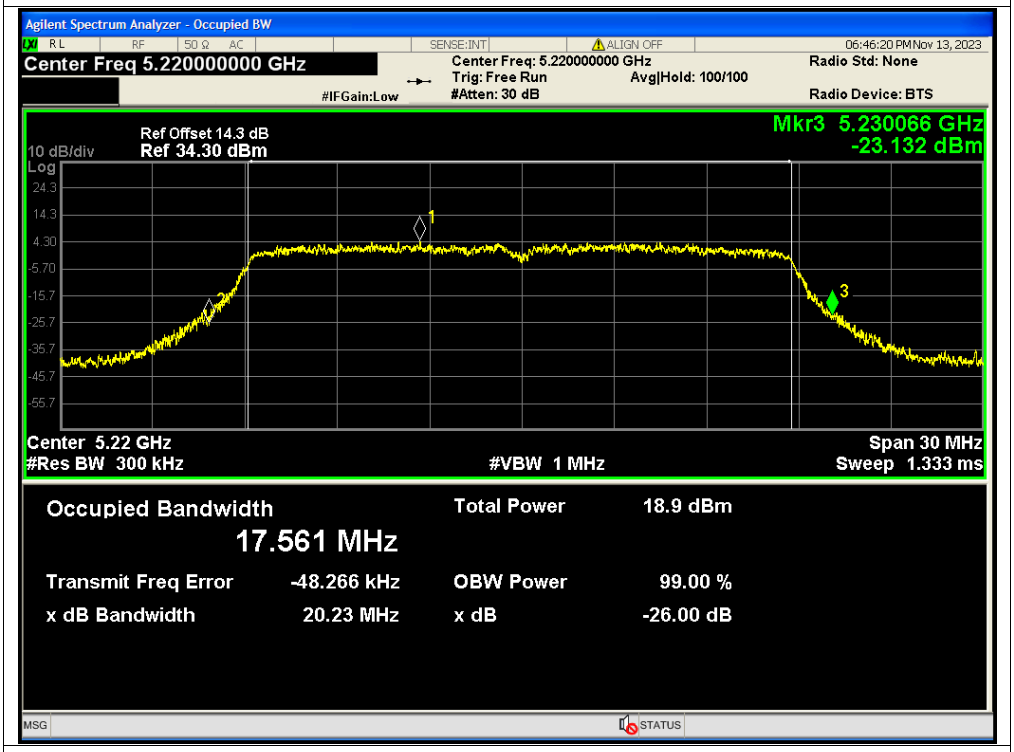
-26dB Bandwidth NVNT ac20 5180MHz Ant1



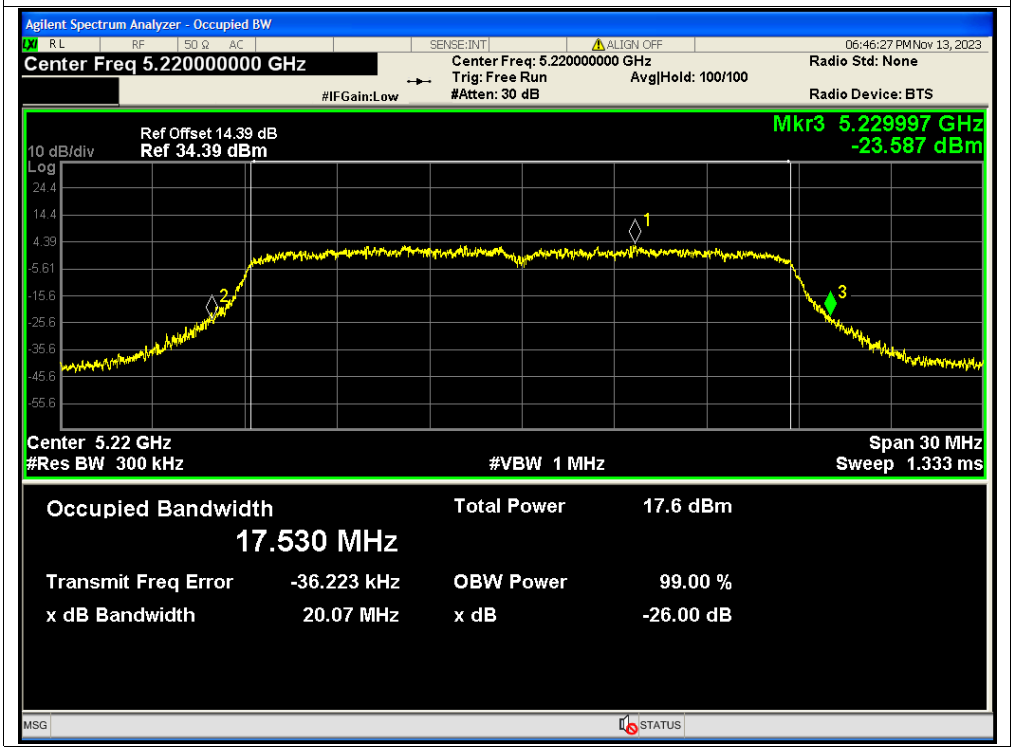
-26dB Bandwidth NVNT ac20 5180MHz Ant2



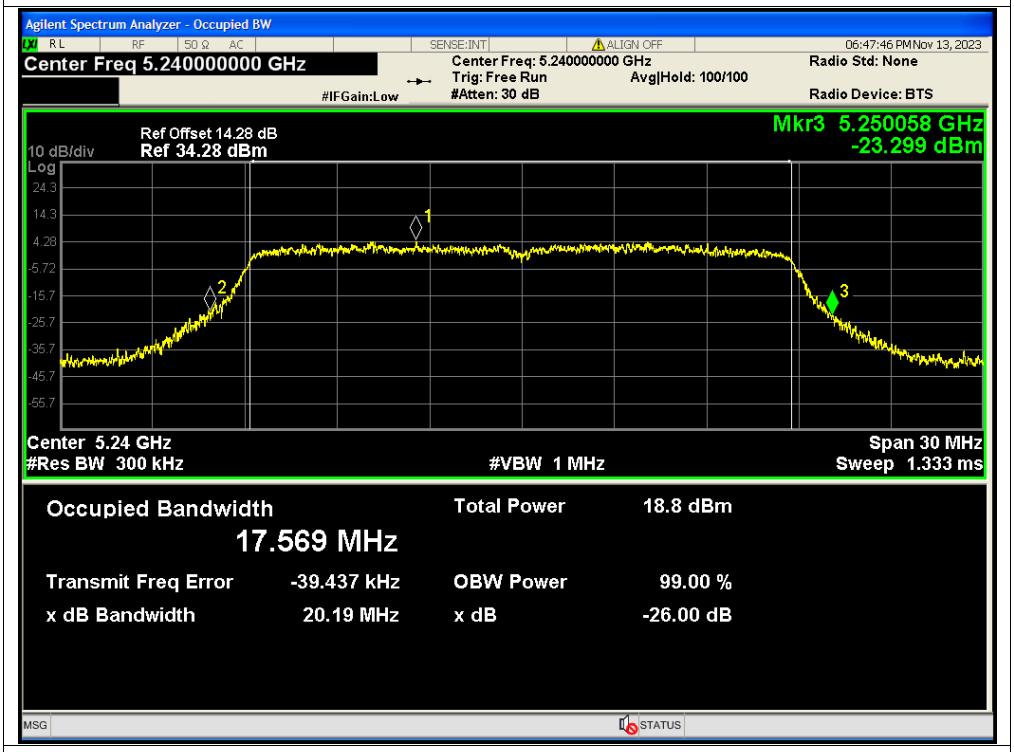
-26dB Bandwidth NVNT ac20 5220MHz Ant1



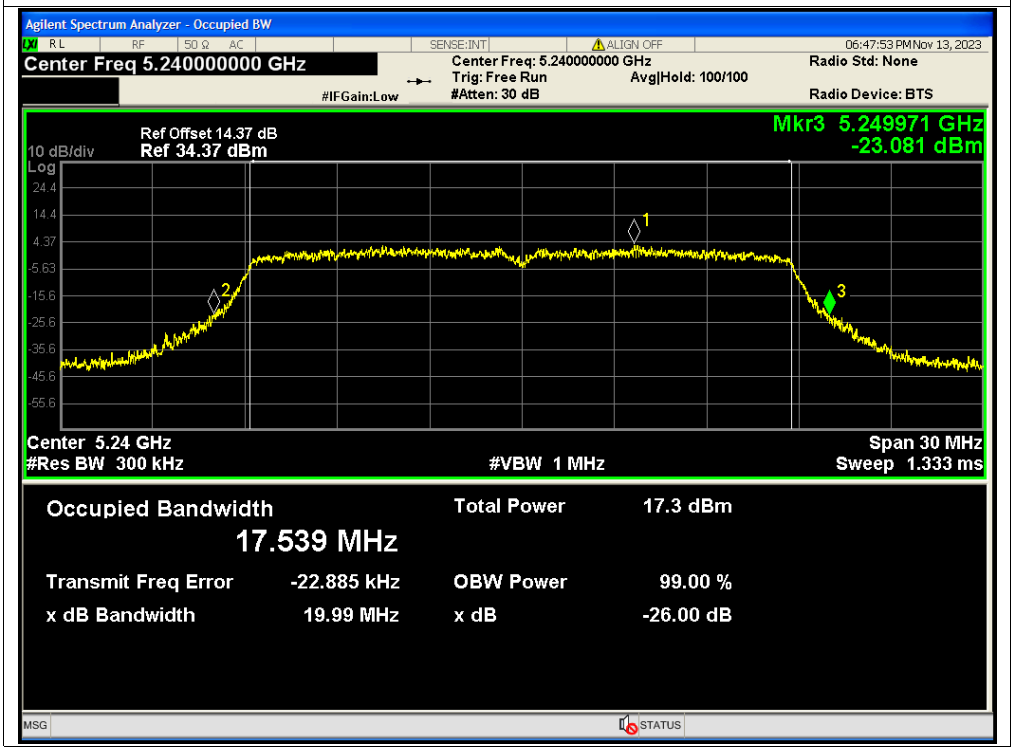
-26dB Bandwidth NVNT ac20 5220MHz Ant2



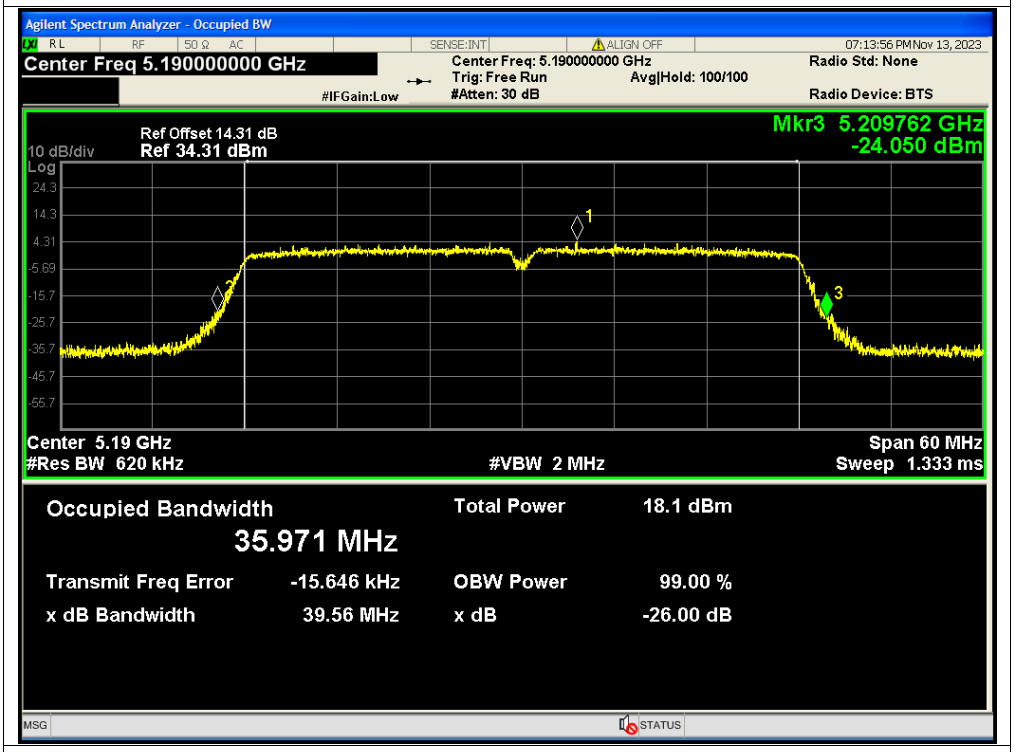
-26dB Bandwidth NVNT ac20 5240MHz Ant1



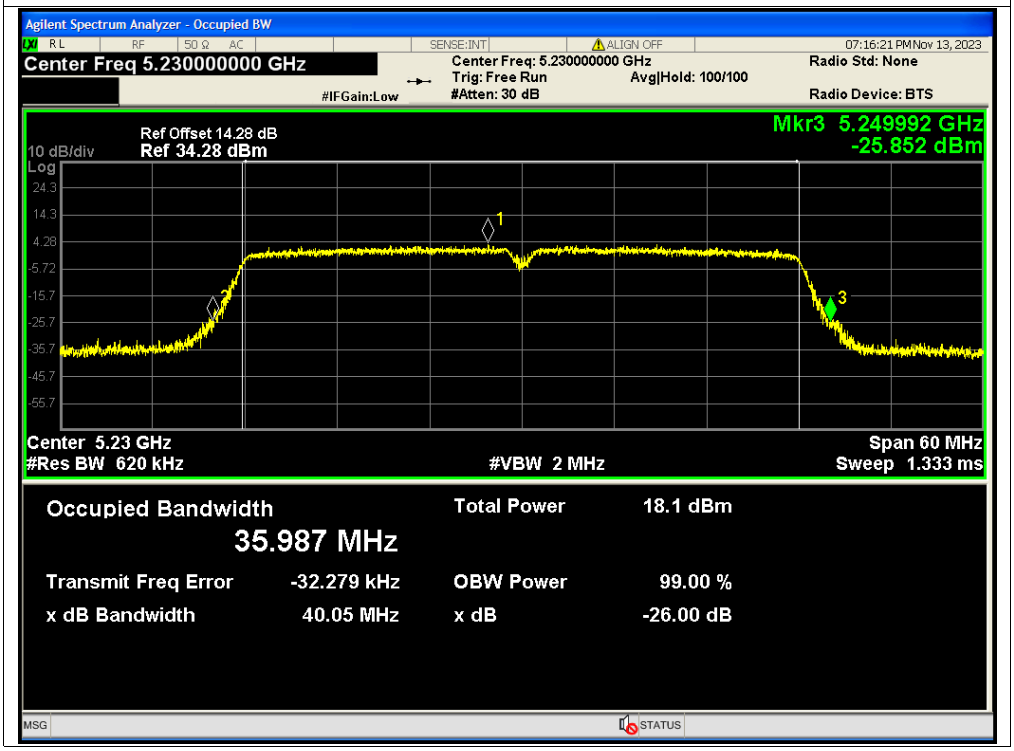
-26dB Bandwidth NVNT ac20 5240MHz Ant2



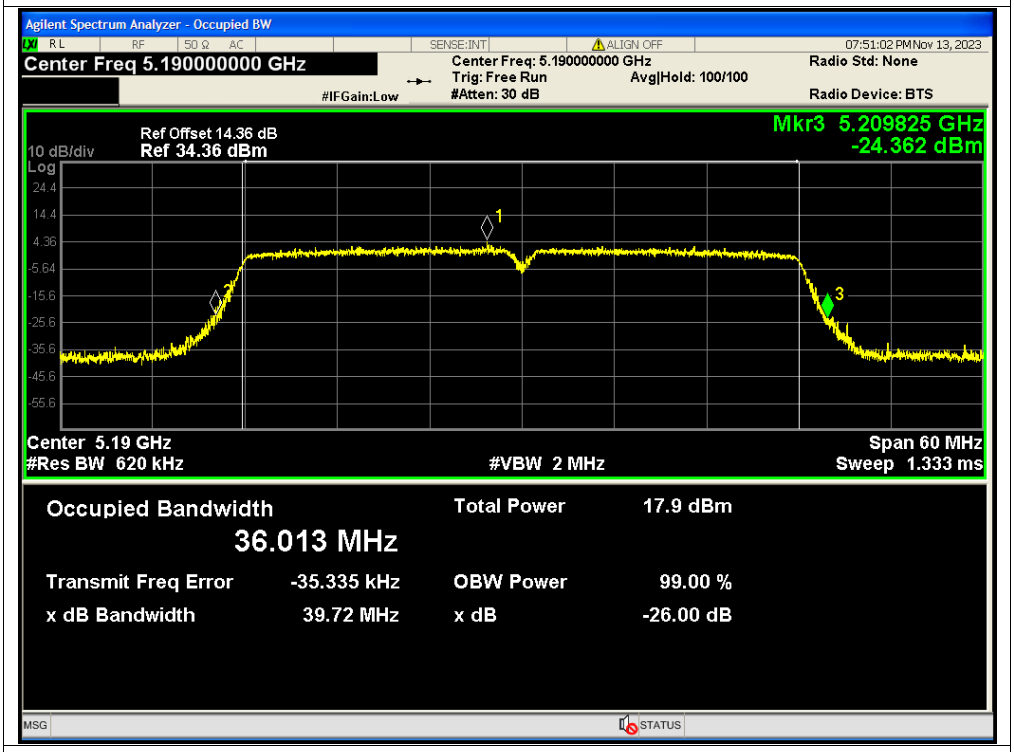
-26dB Bandwidth NVNT ac40 5190MHz Ant1



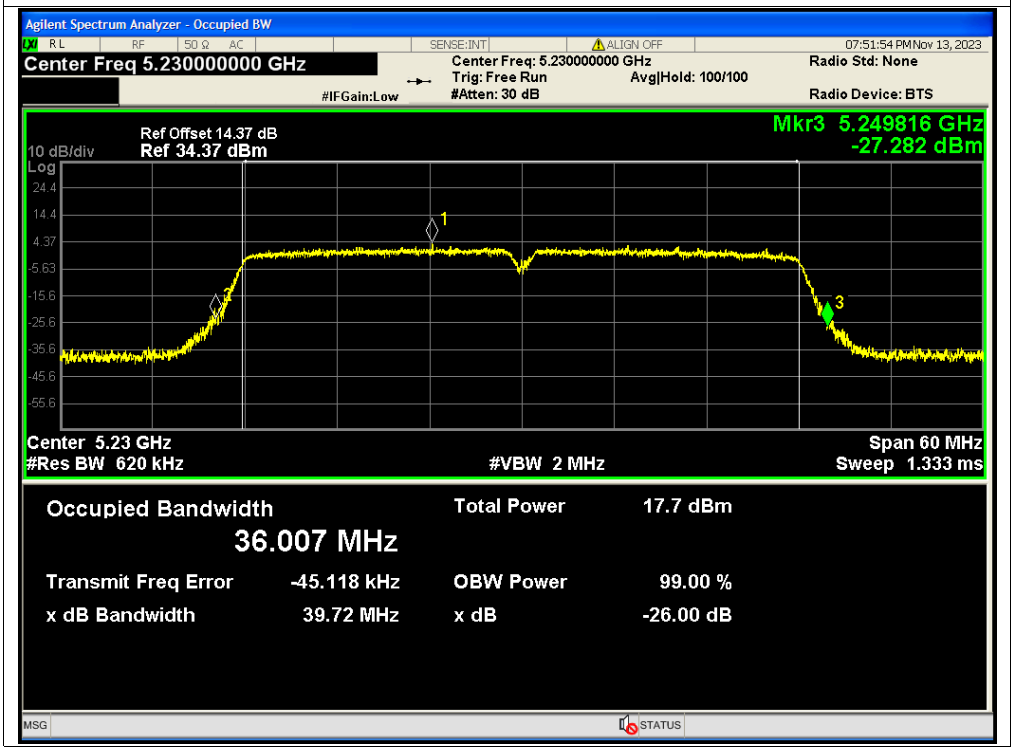
-26dB Bandwidth NVNT ac40 5230MHz Ant1



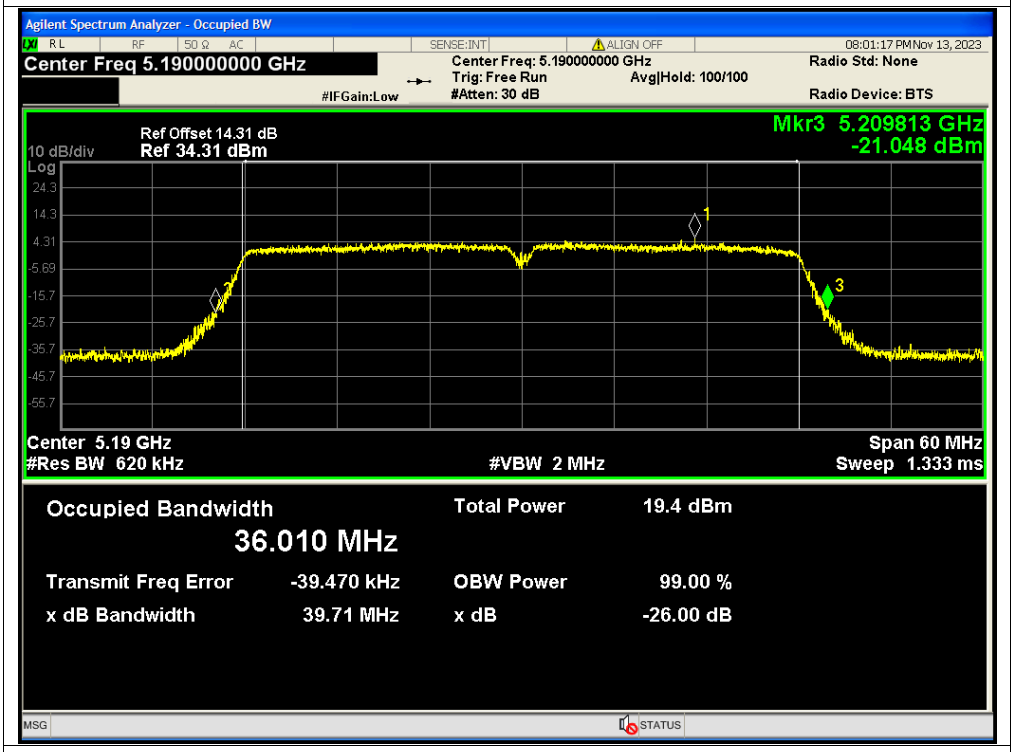
-26dB Bandwidth NVNT ac40 5190MHz Ant2



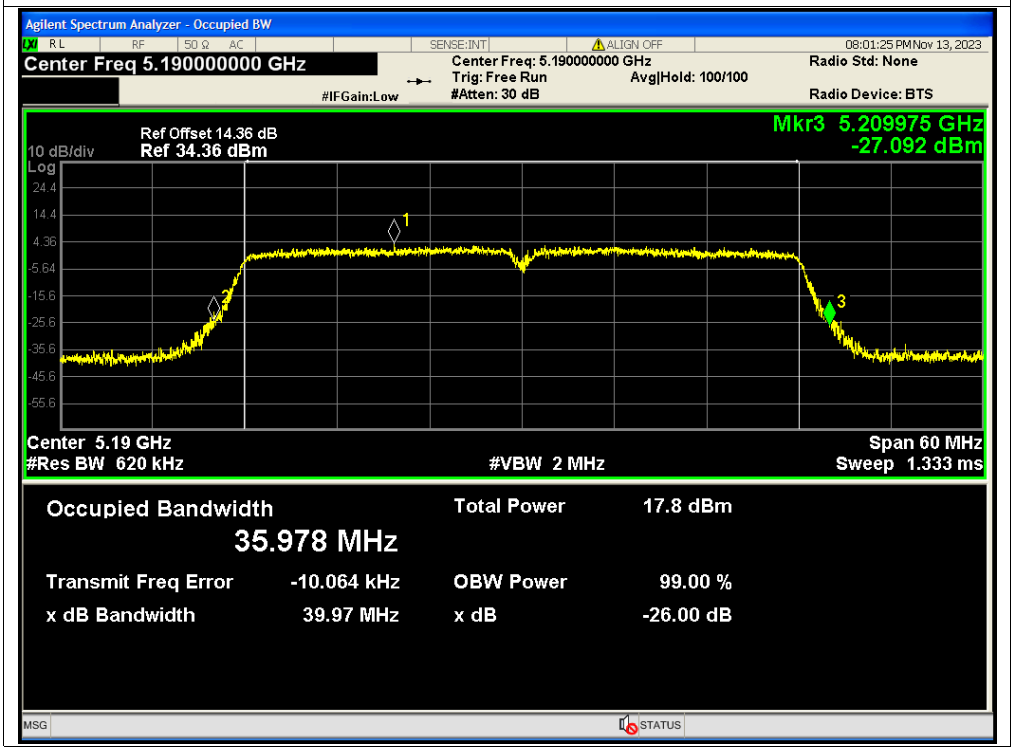
-26dB Bandwidth NVNT ac40 5230MHz Ant2



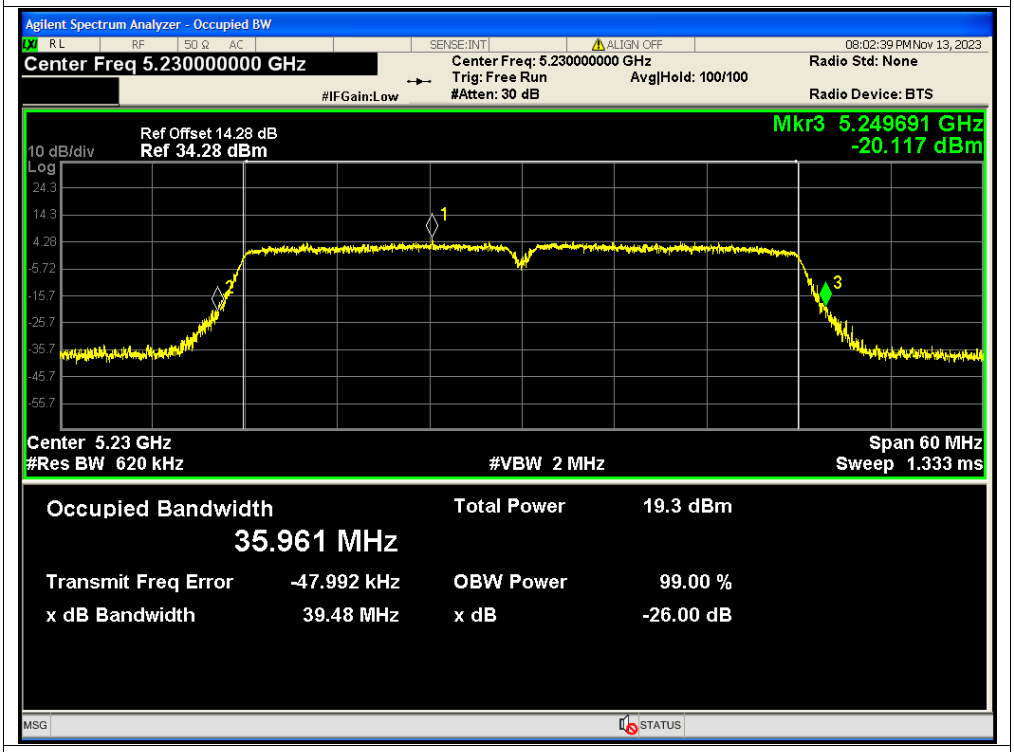
-26dB Bandwidth NVNT ac40 5190MHz Ant1



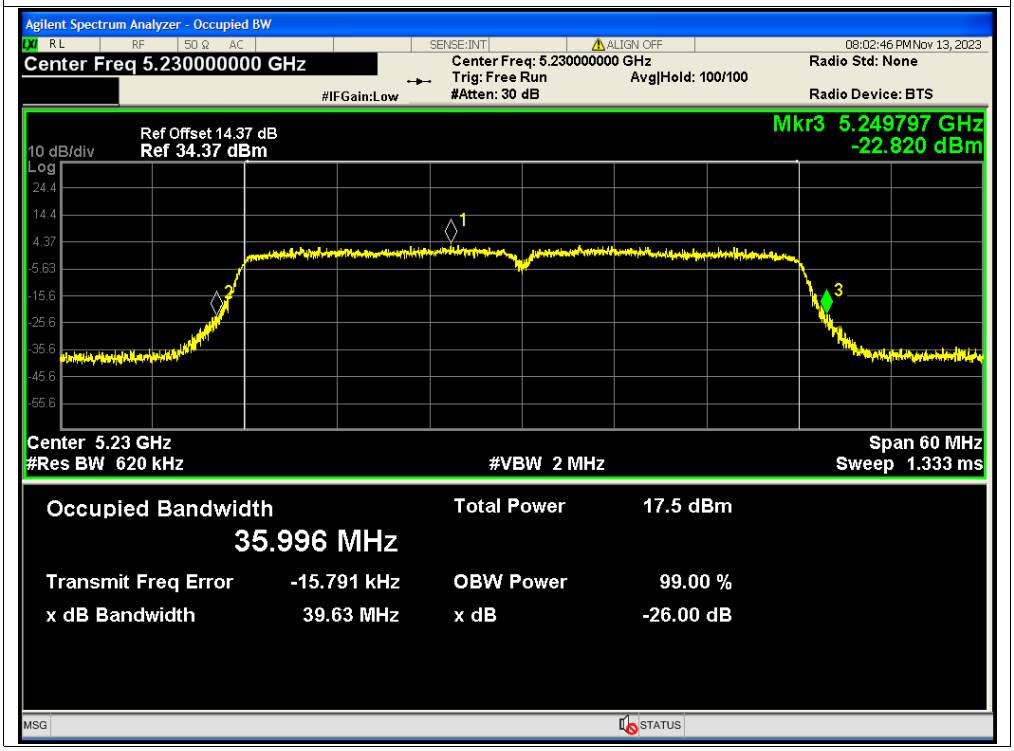
-26dB Bandwidth NVNT ac40 5190MHz Ant2



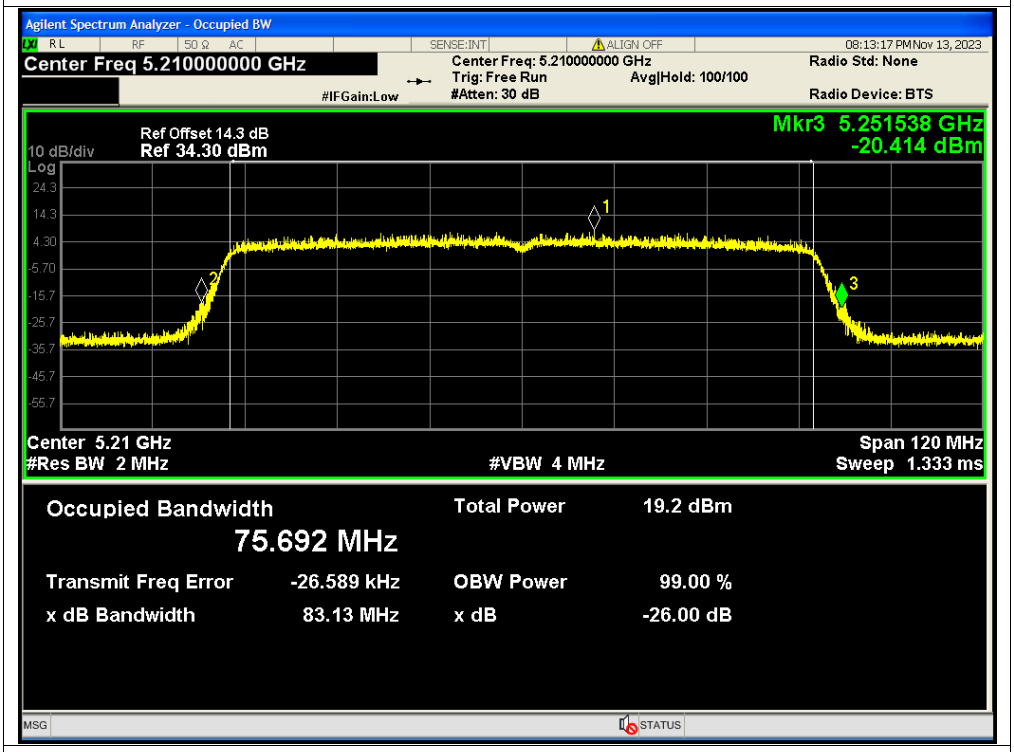
-26dB Bandwidth NVNT ac40 5230MHz Ant1



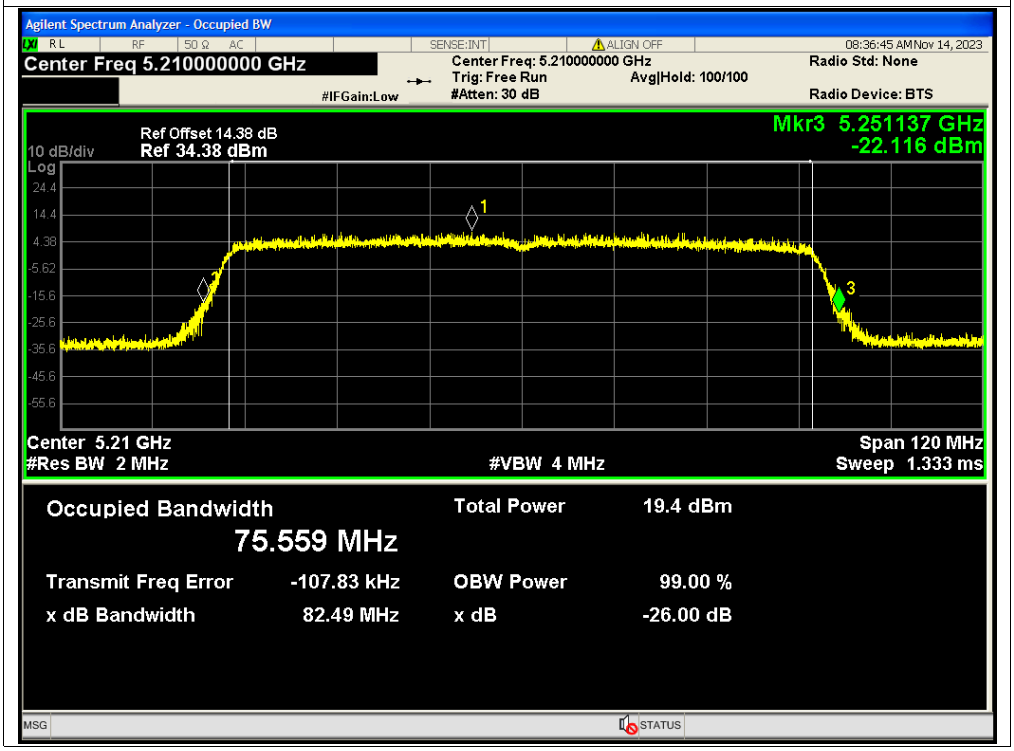
-26dB Bandwidth NVNT ac40 5230MHz Ant2



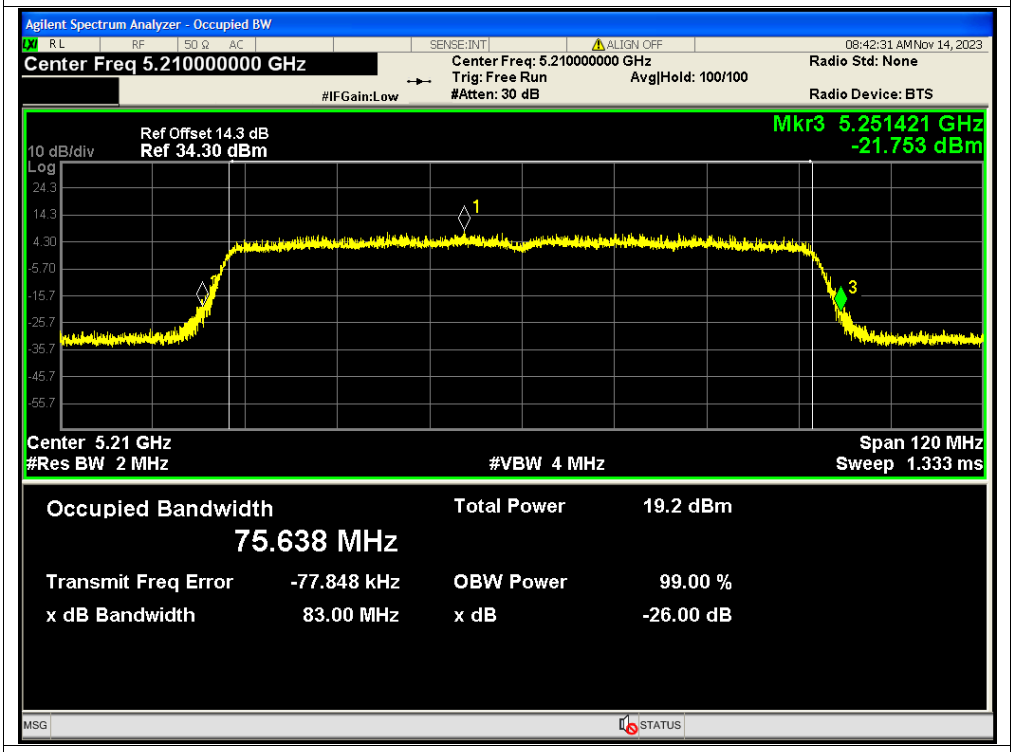
-26dB Bandwidth NVNT ac80 5210MHz Ant1



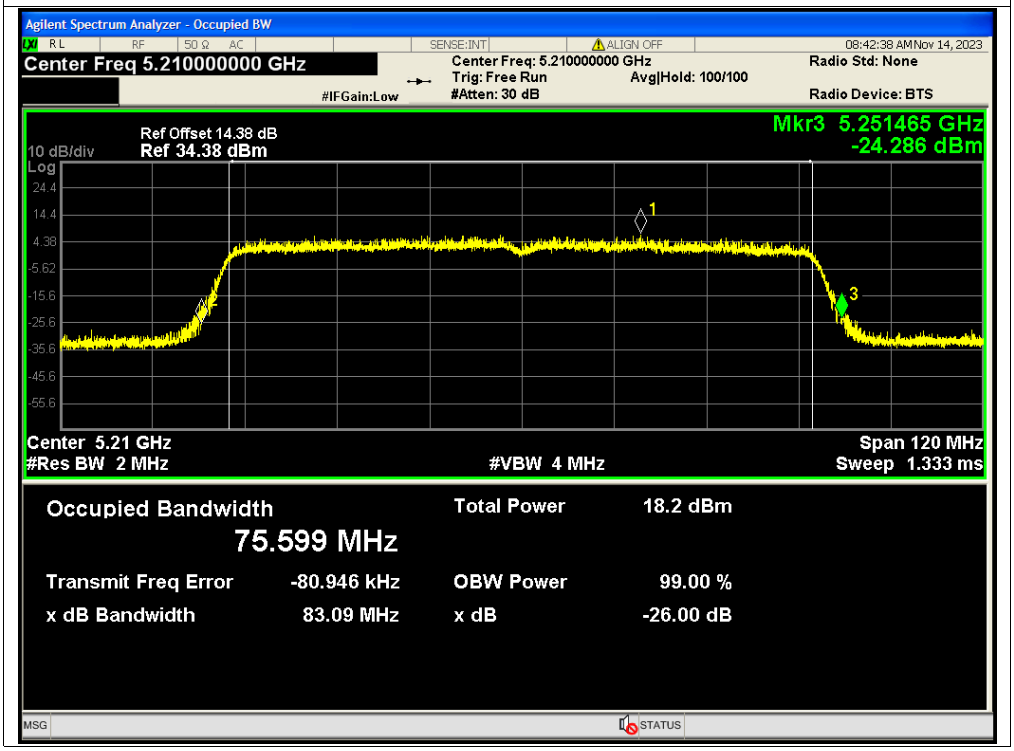
-26dB Bandwidth NVNT ac80 5210MHz Ant2



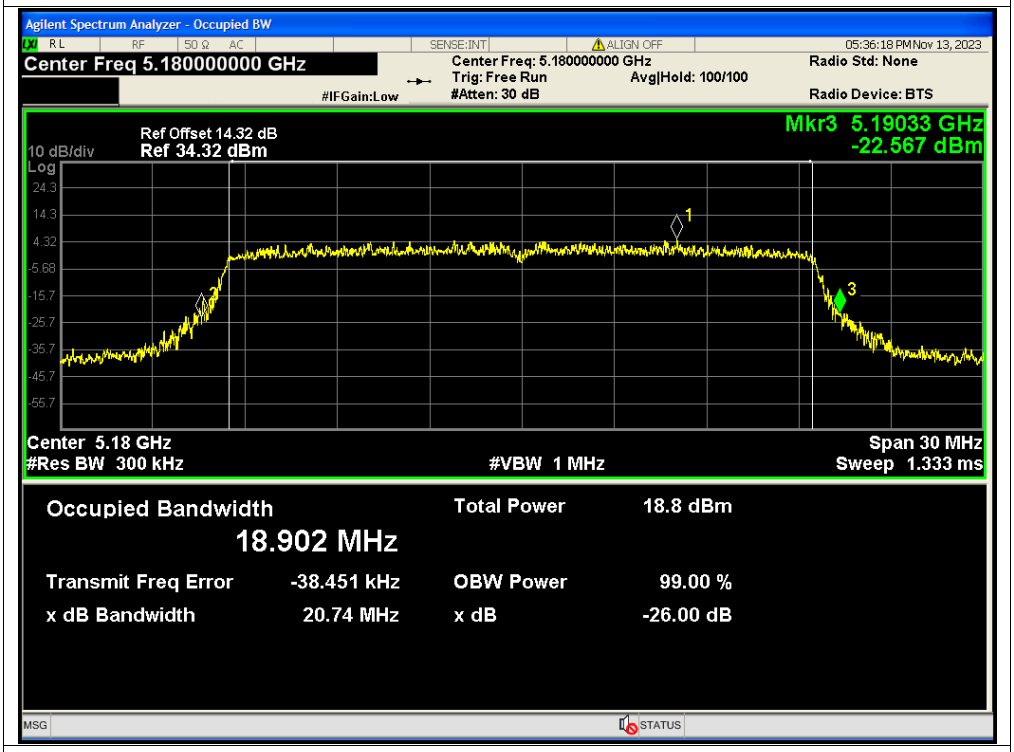
-26dB Bandwidth NVNT ac80 5210MHz Ant1



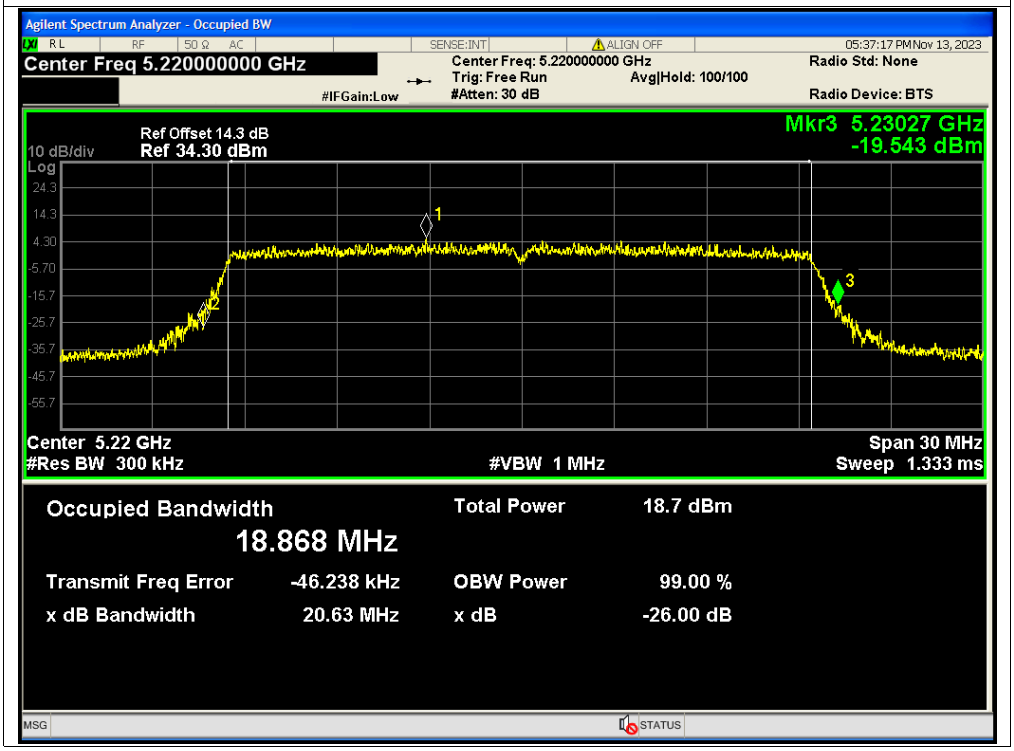
-26dB Bandwidth NVNT ac80 5210MHz Ant2



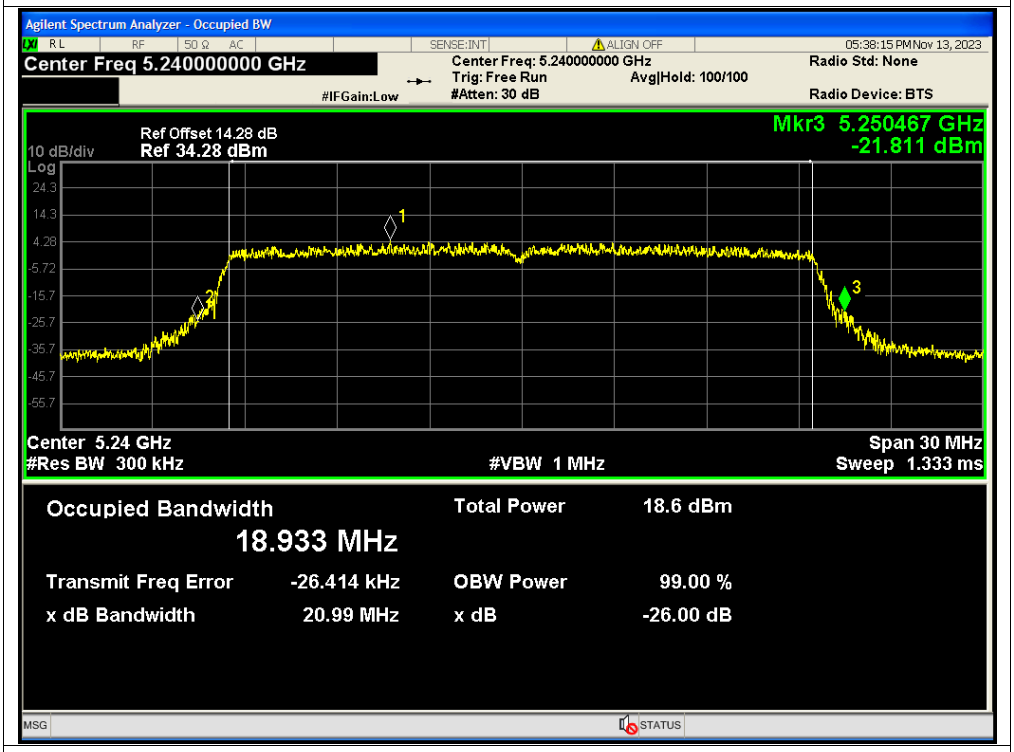
-26dB Bandwidth NVNT ax20 5180MHz Ant1



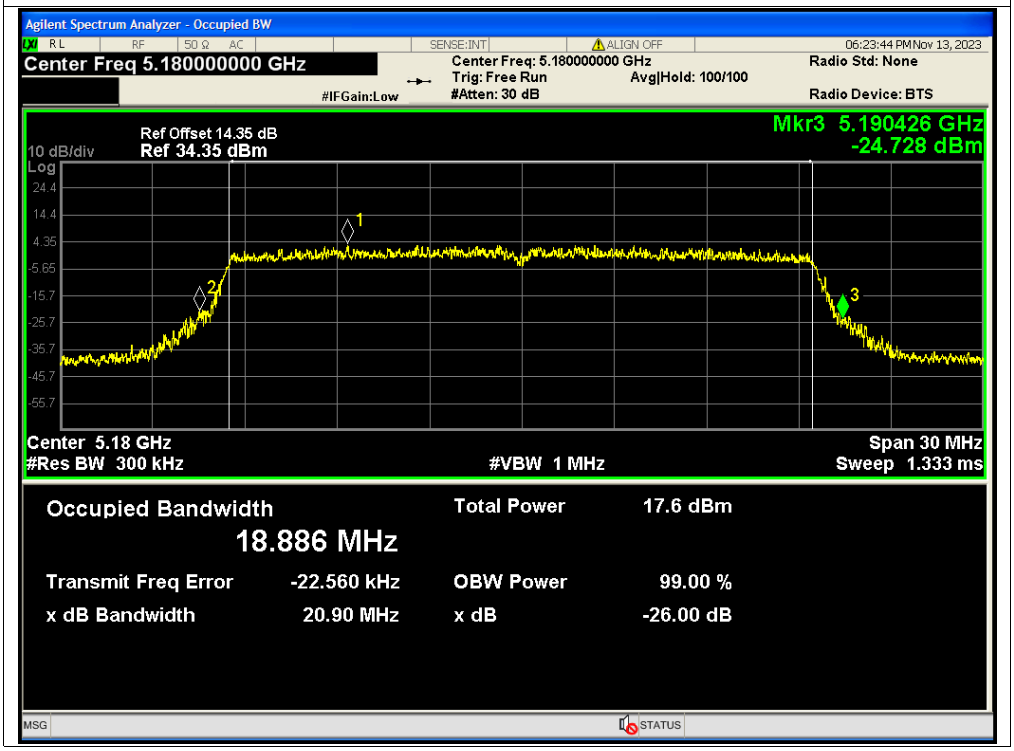
-26dB Bandwidth NVNT ax20 5220MHz Ant1



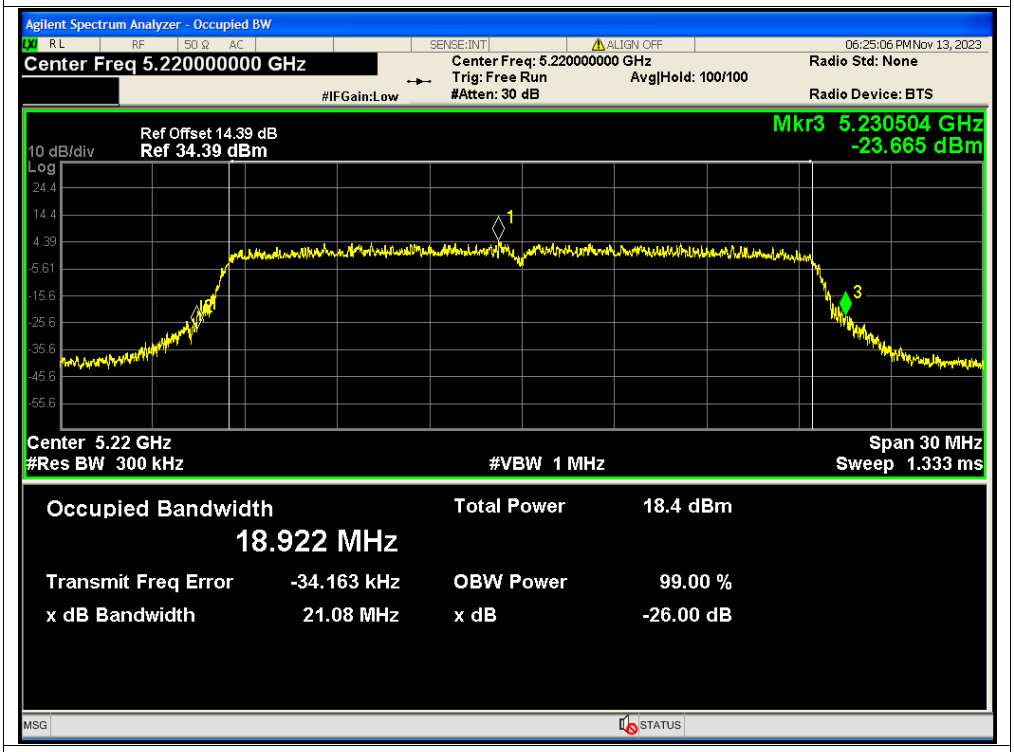
-26dB Bandwidth NVNT ax20 5240MHz Ant1



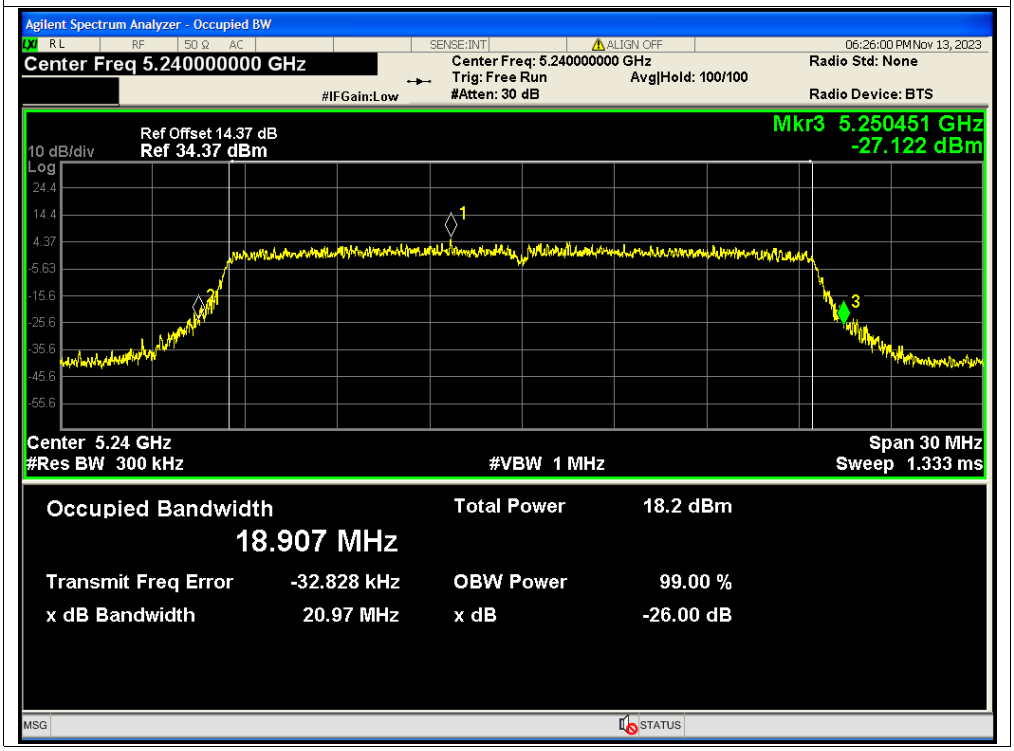
-26dB Bandwidth NVNT ax20 5180MHz Ant2



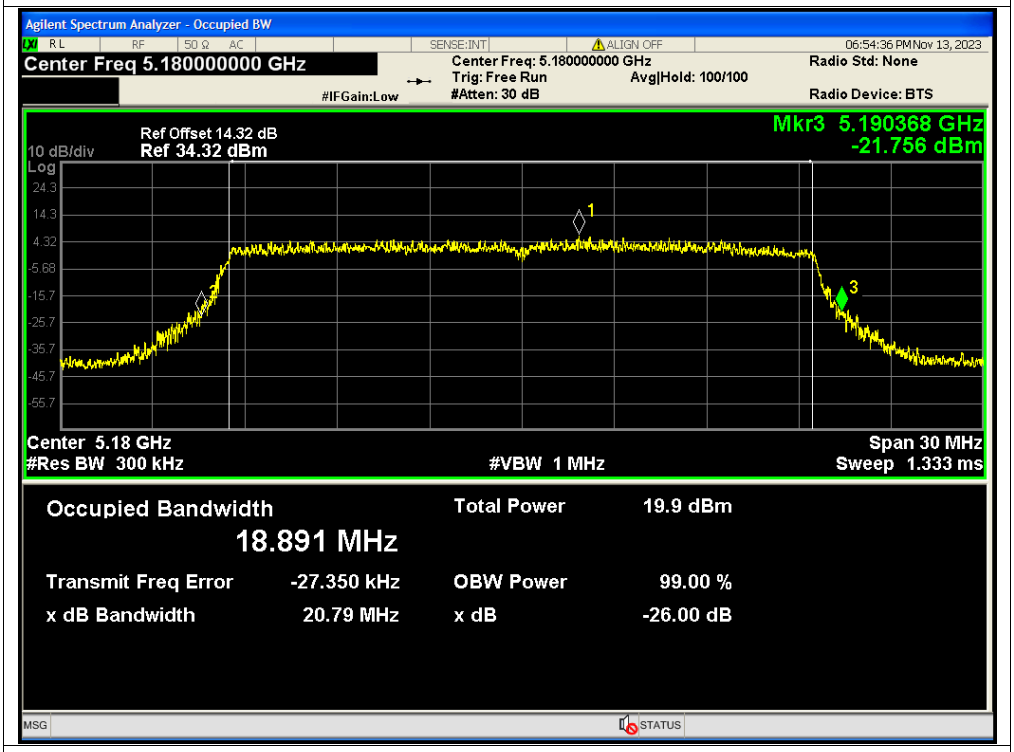
-26dB Bandwidth NVNT ax20 5220MHz Ant2



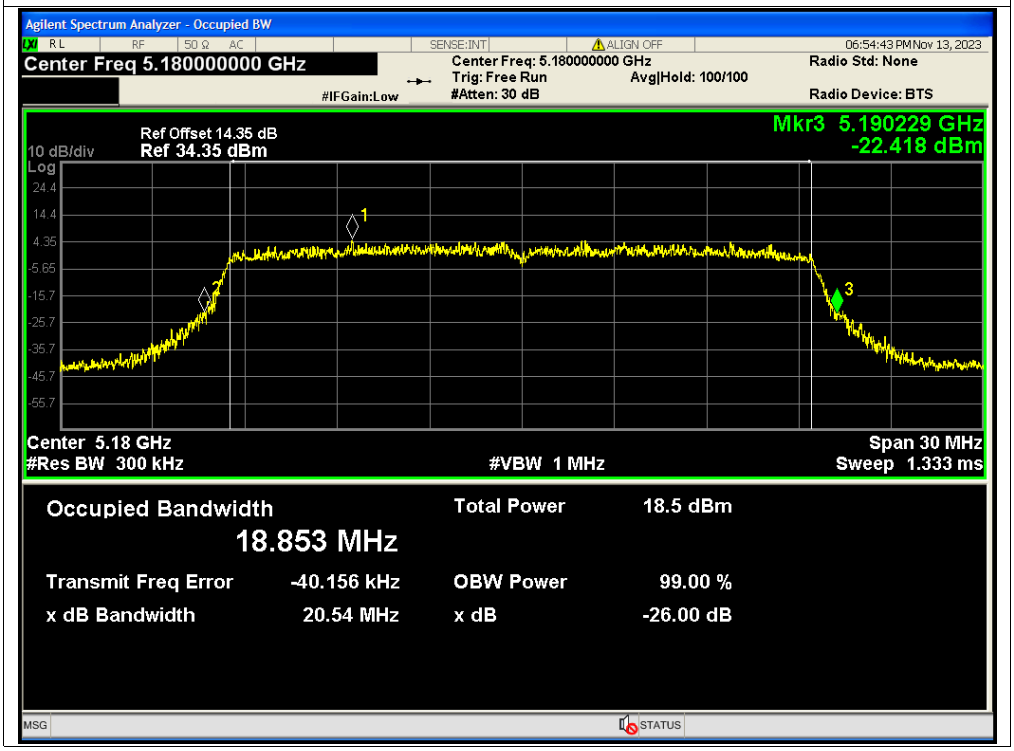
-26dB Bandwidth NVNT ax20 5240MHz Ant2



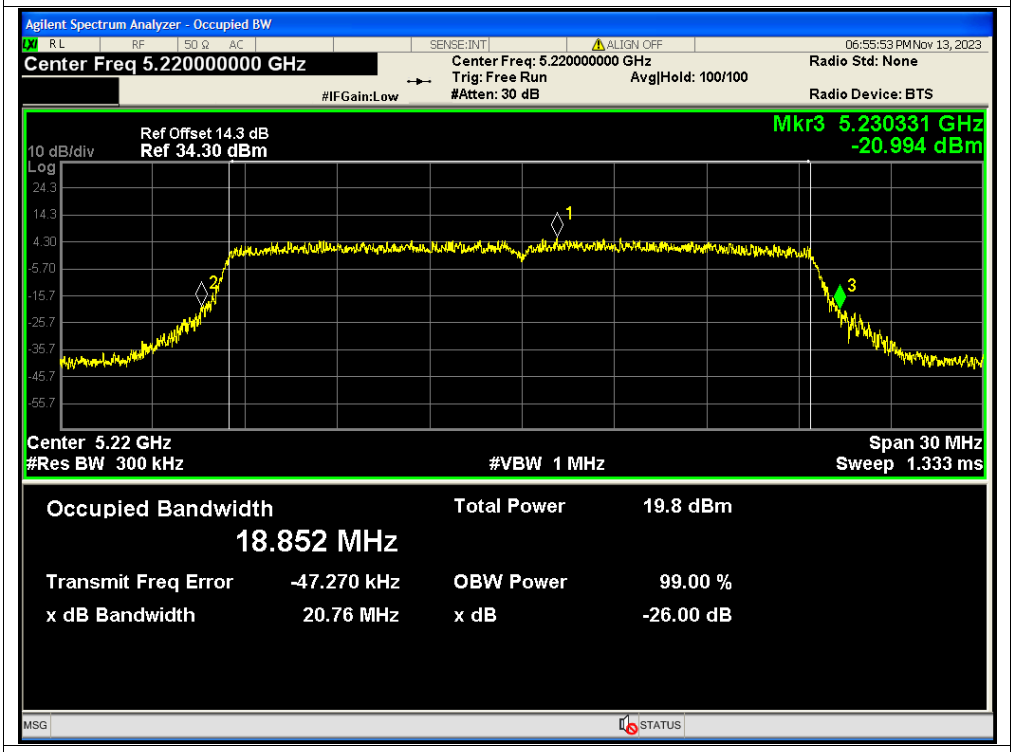
-26dB Bandwidth NVNT ax20 5180MHz Ant1



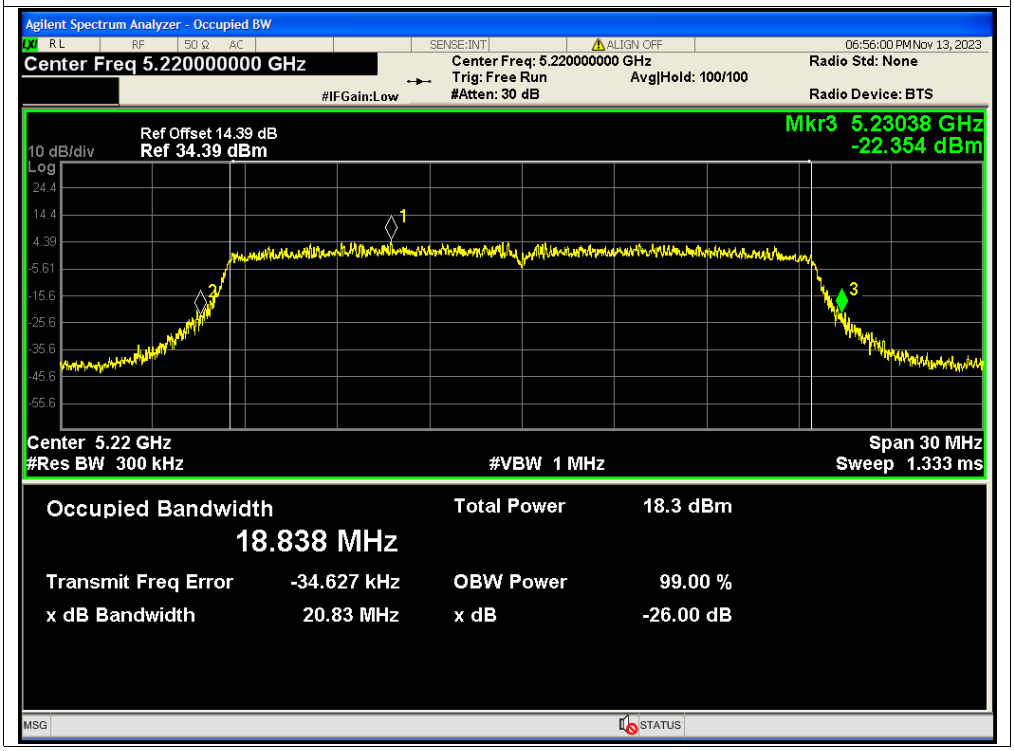
-26dB Bandwidth NVNT ax20 5180MHz Ant2



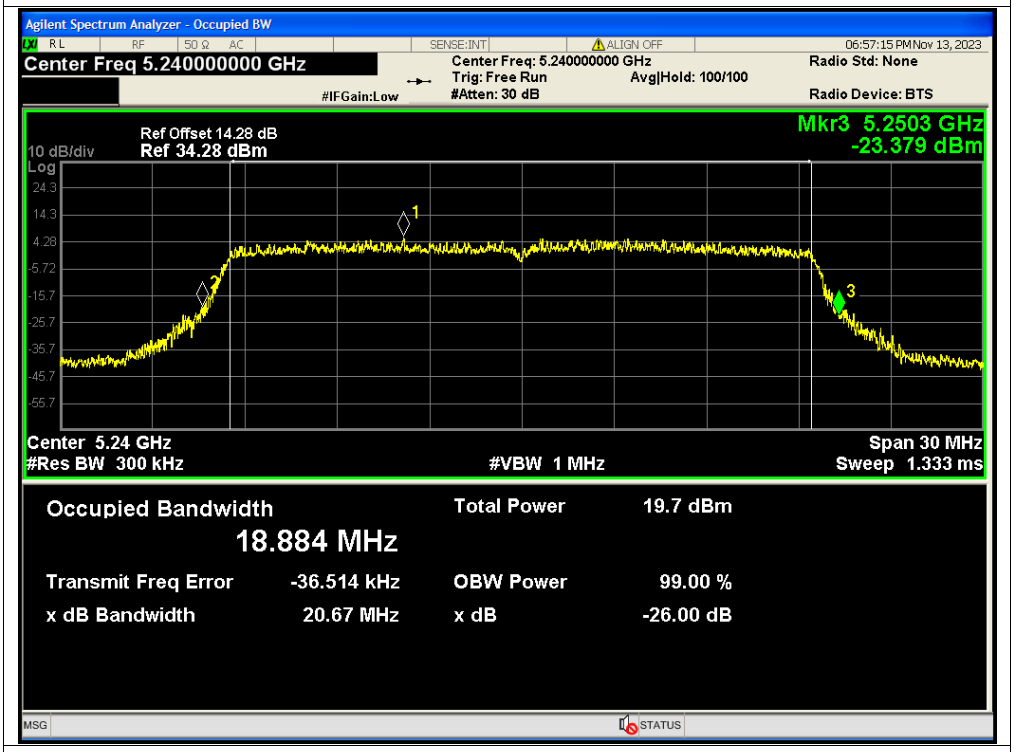
-26dB Bandwidth NVNT ax20 5220MHz Ant1



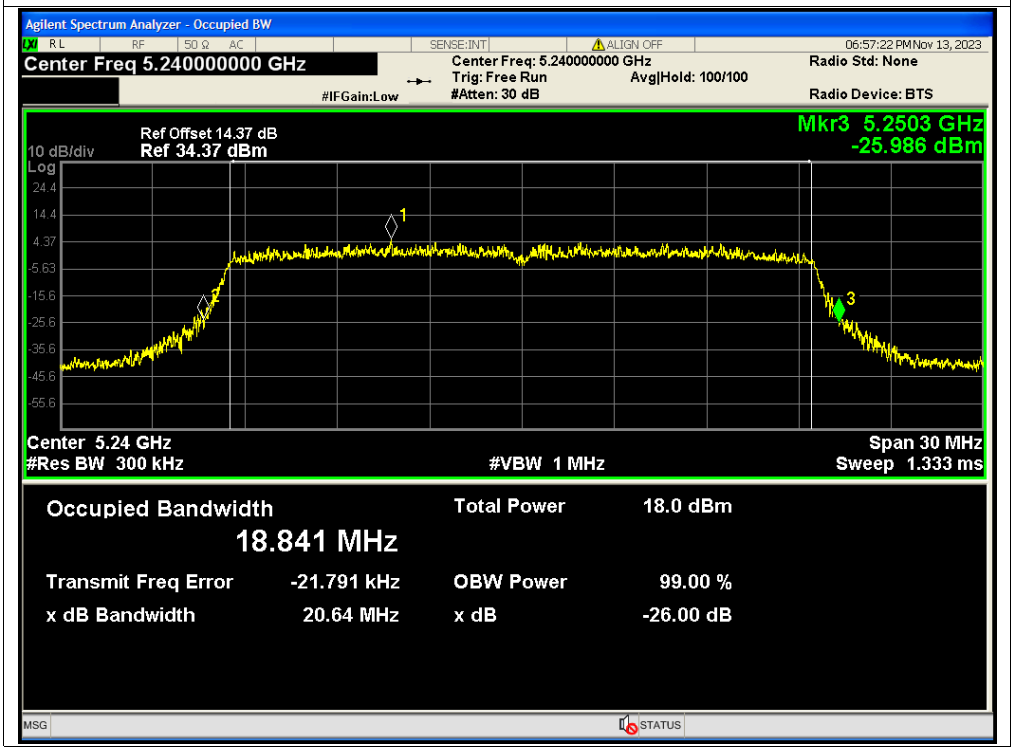
-26dB Bandwidth NVNT ax20 5220MHz Ant2



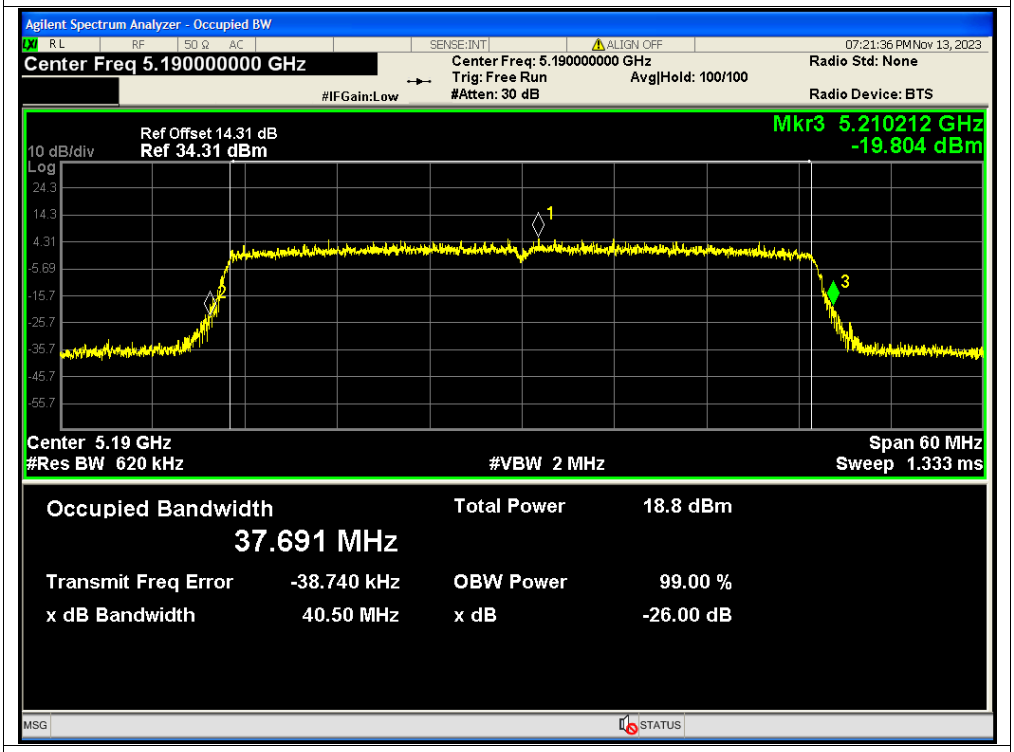
-26dB Bandwidth NVNT ax20 5240MHz Ant1



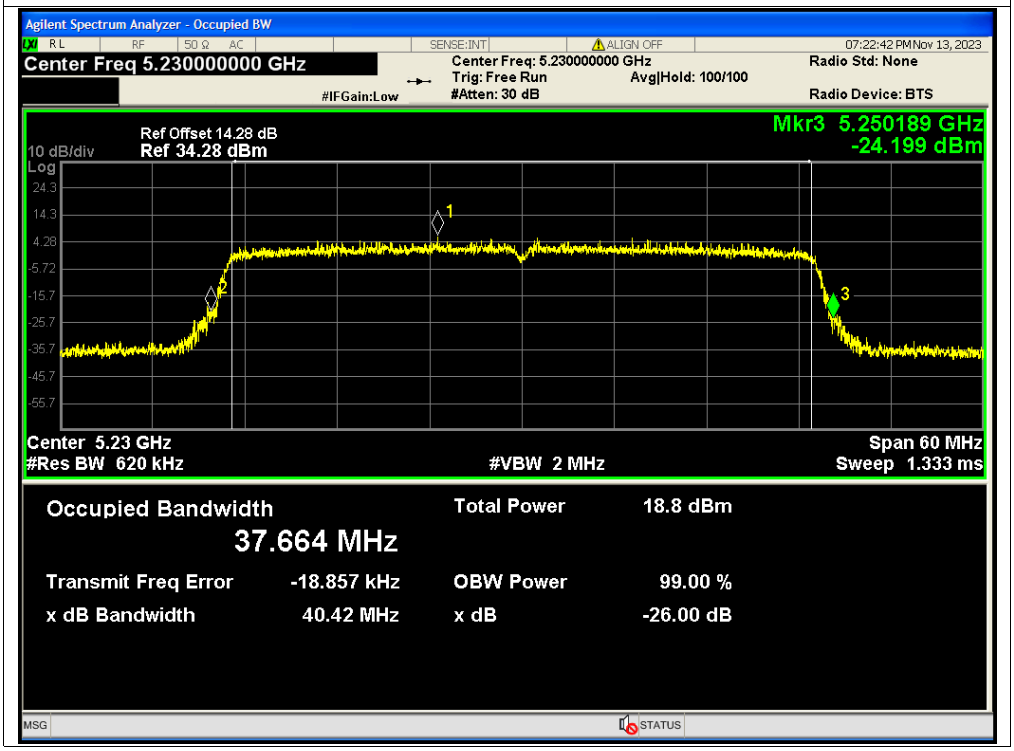
-26dB Bandwidth NVNT ax20 5240MHz Ant2



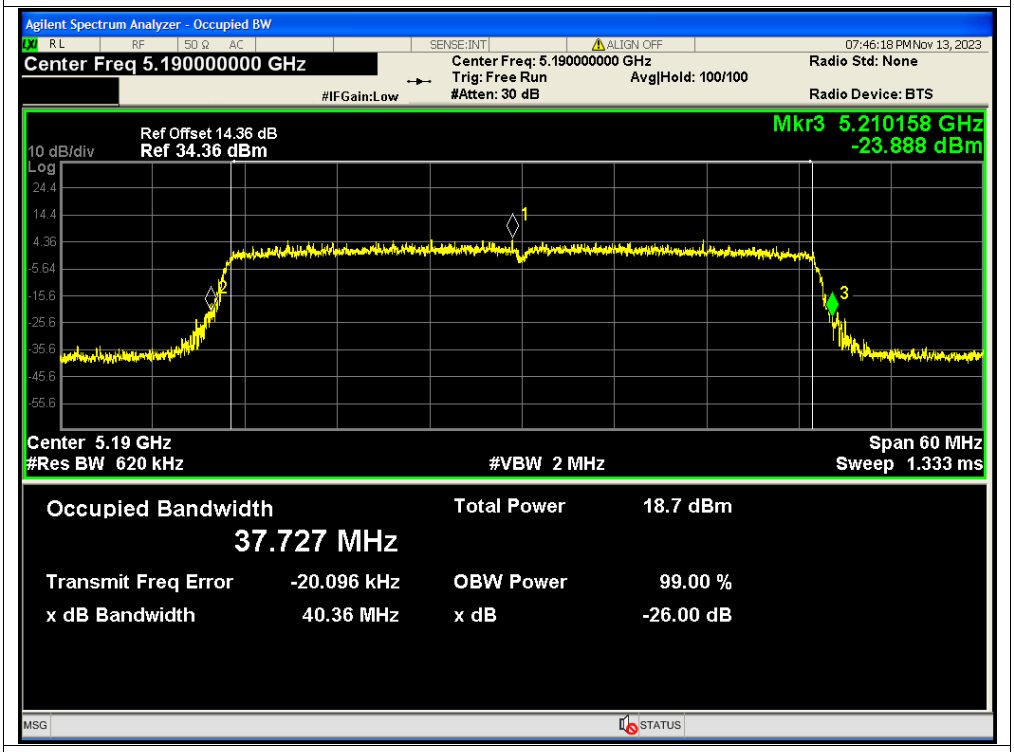
-26dB Bandwidth NVNT ax40 5190MHz Ant1



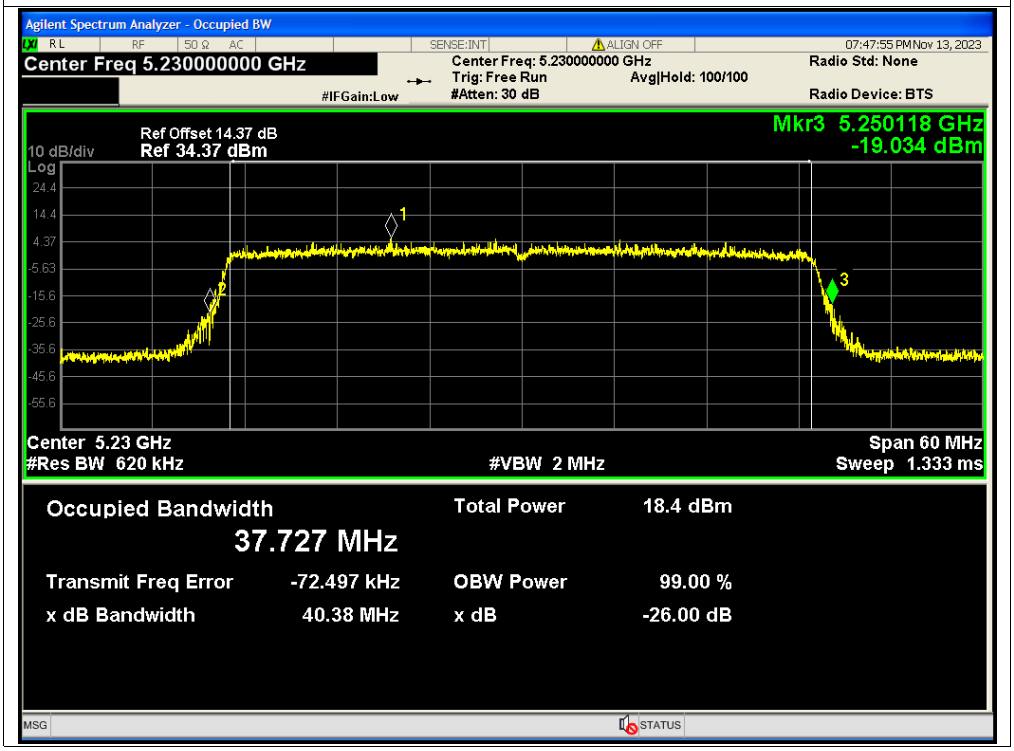
-26dB Bandwidth NVNT ax40 5230MHz Ant1



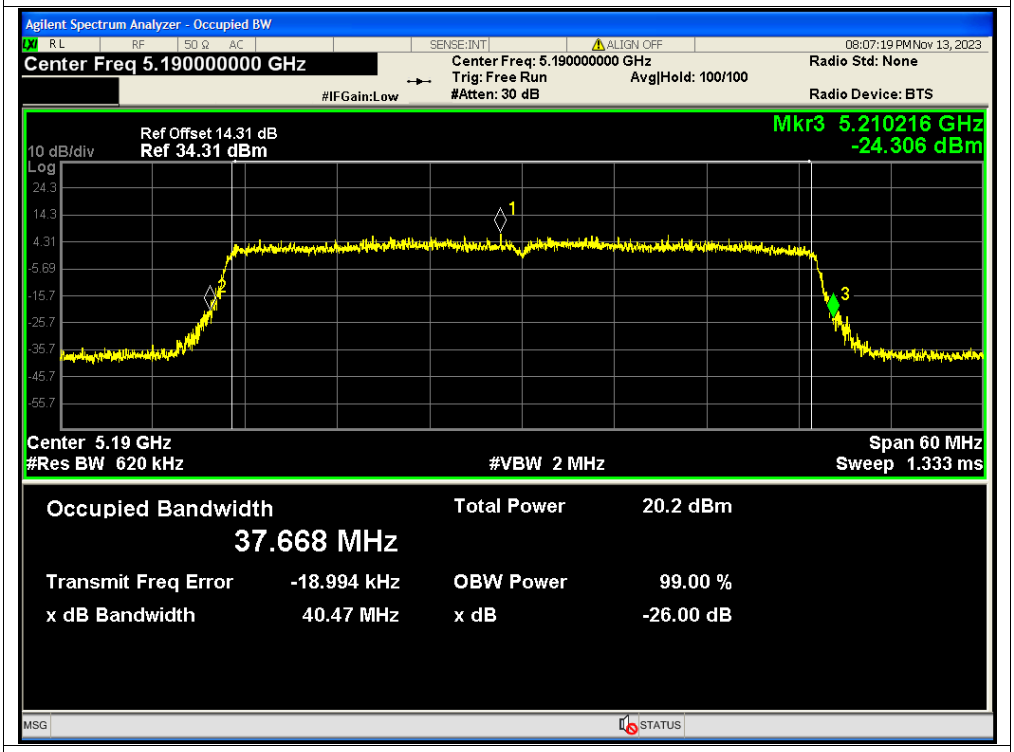
-26dB Bandwidth NVNT ax40 5190MHz Ant2



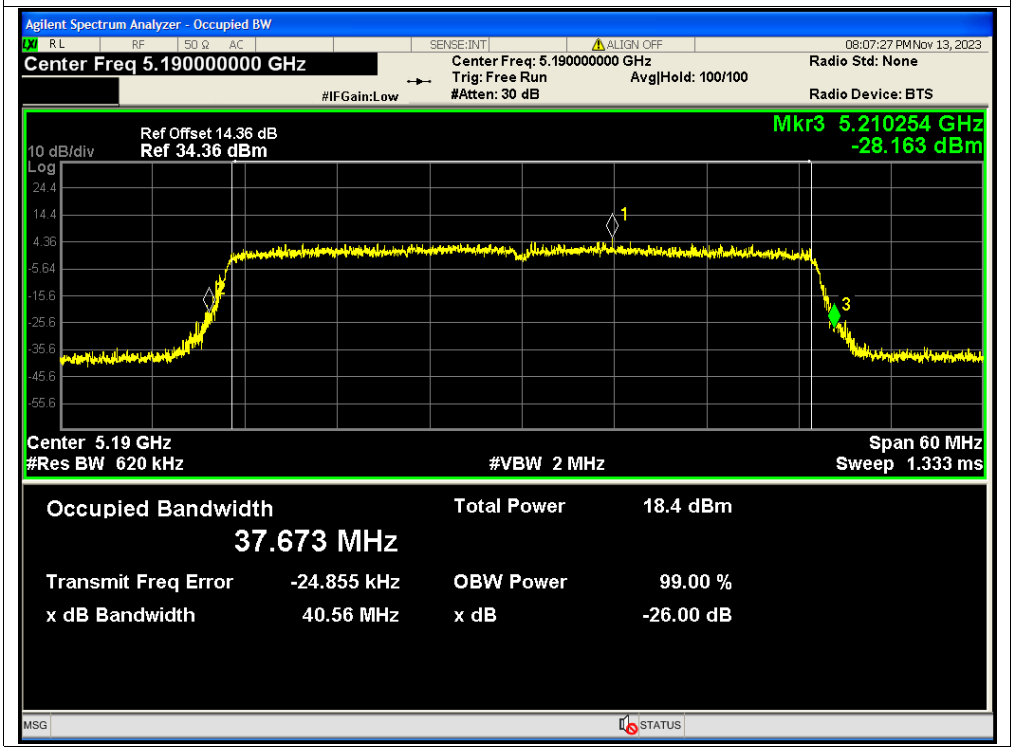
-26dB Bandwidth NVNT ax40 5230MHz Ant2



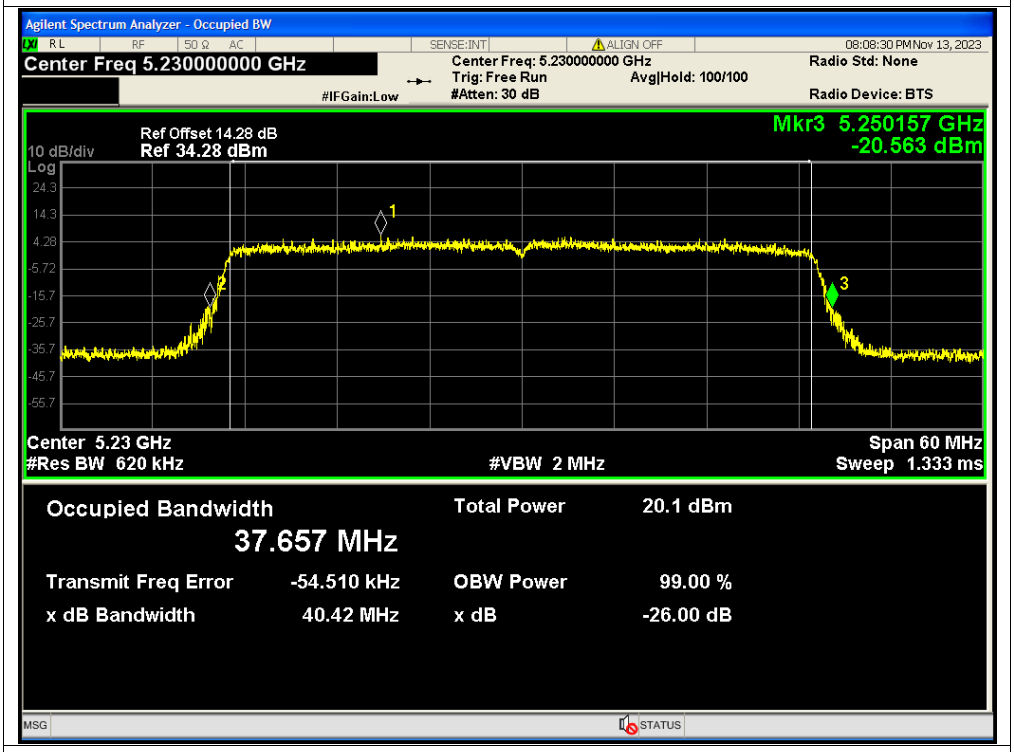
-26dB Bandwidth NVNT ax40 5190MHz Ant1



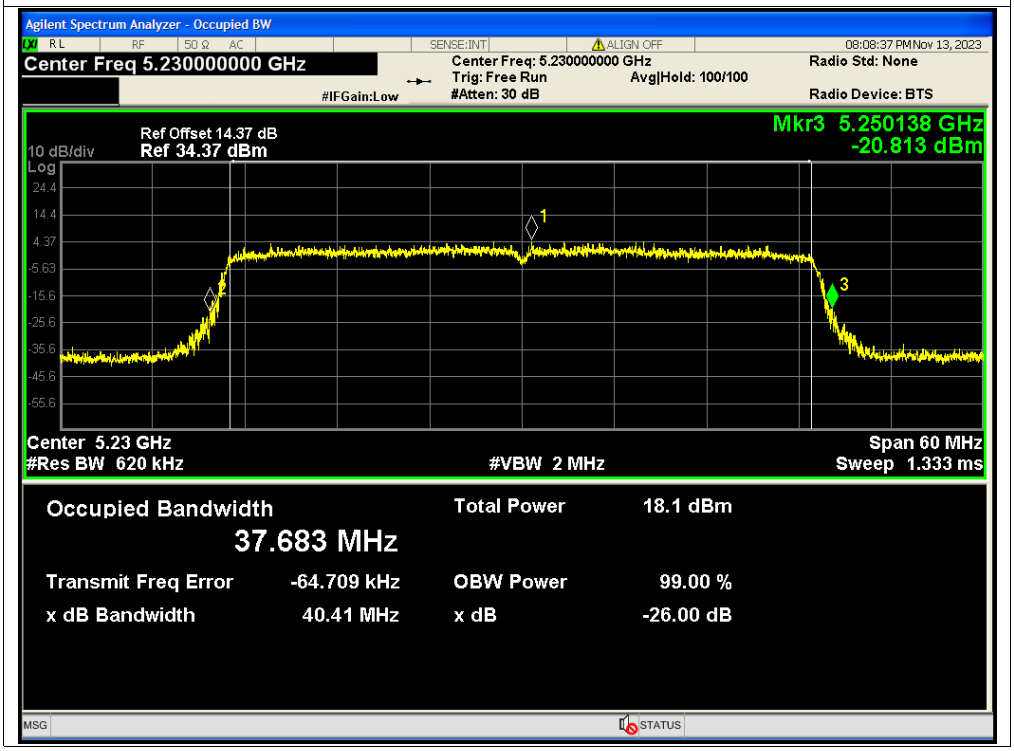
-26dB Bandwidth NVNT ax40 5190MHz Ant2



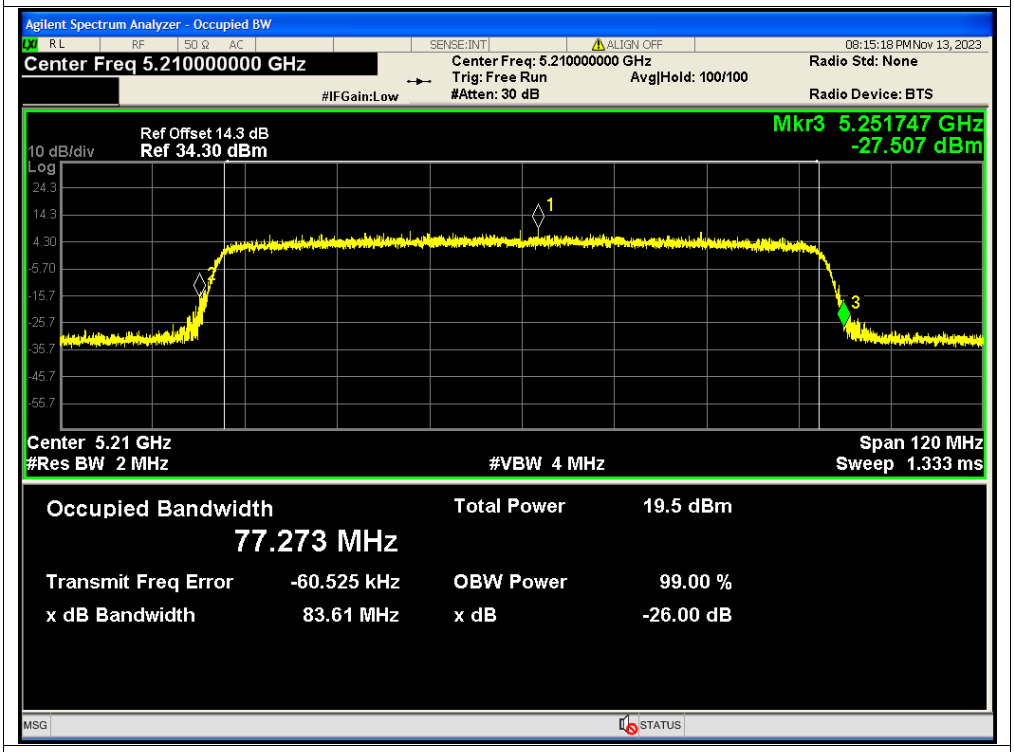
-26dB Bandwidth NVNT ax40 5230MHz Ant1



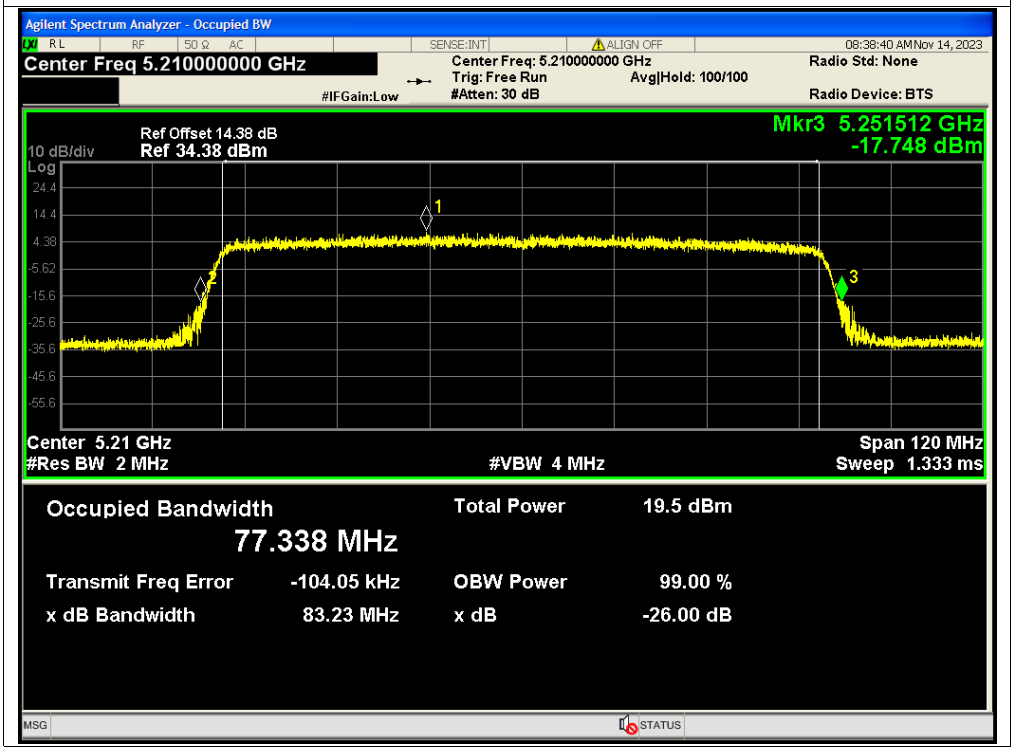
-26dB Bandwidth NVNT ax40 5230MHz Ant2



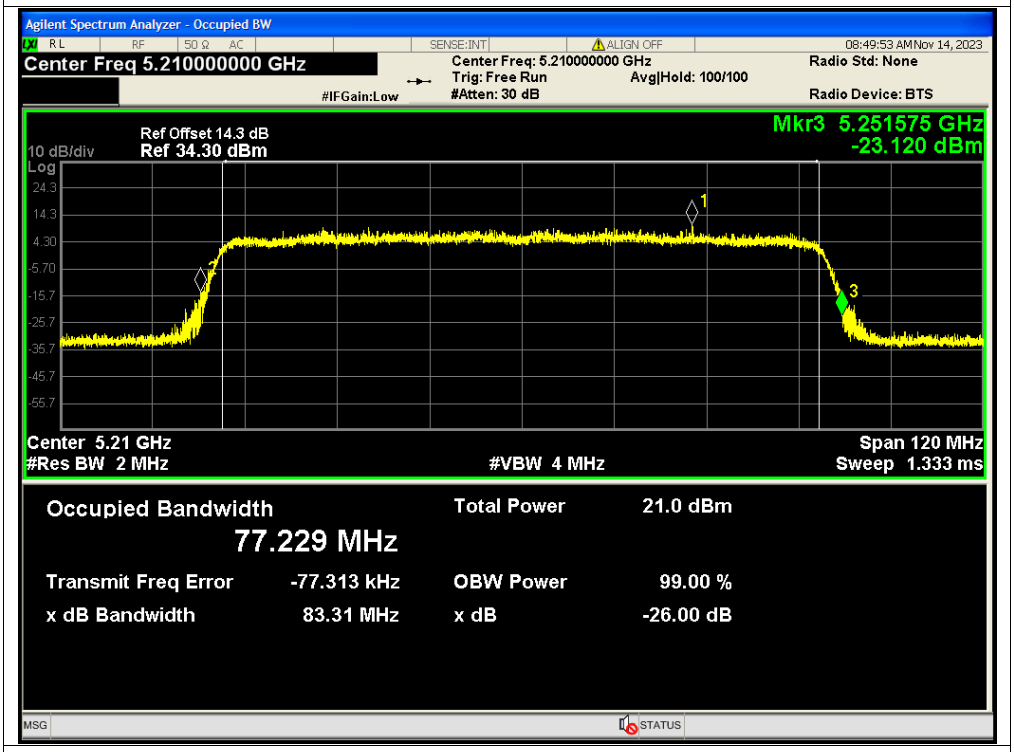
-26dB Bandwidth NVNT ax80 5210MHz Ant1



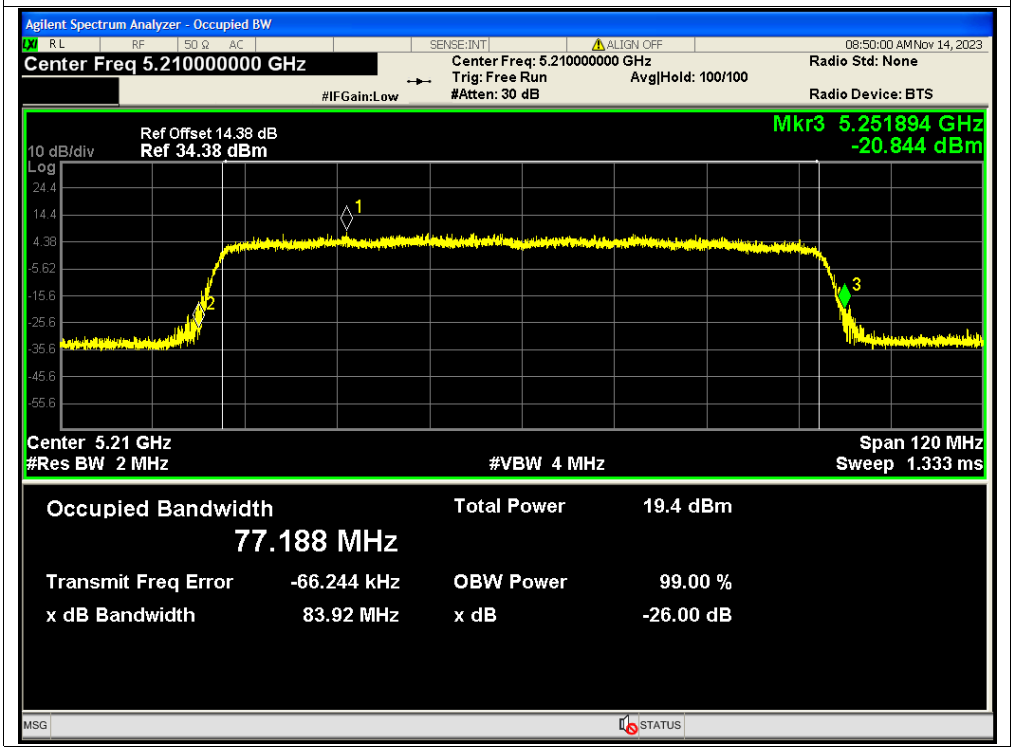
-26dB Bandwidth NVNT ax80 5210MHz Ant2



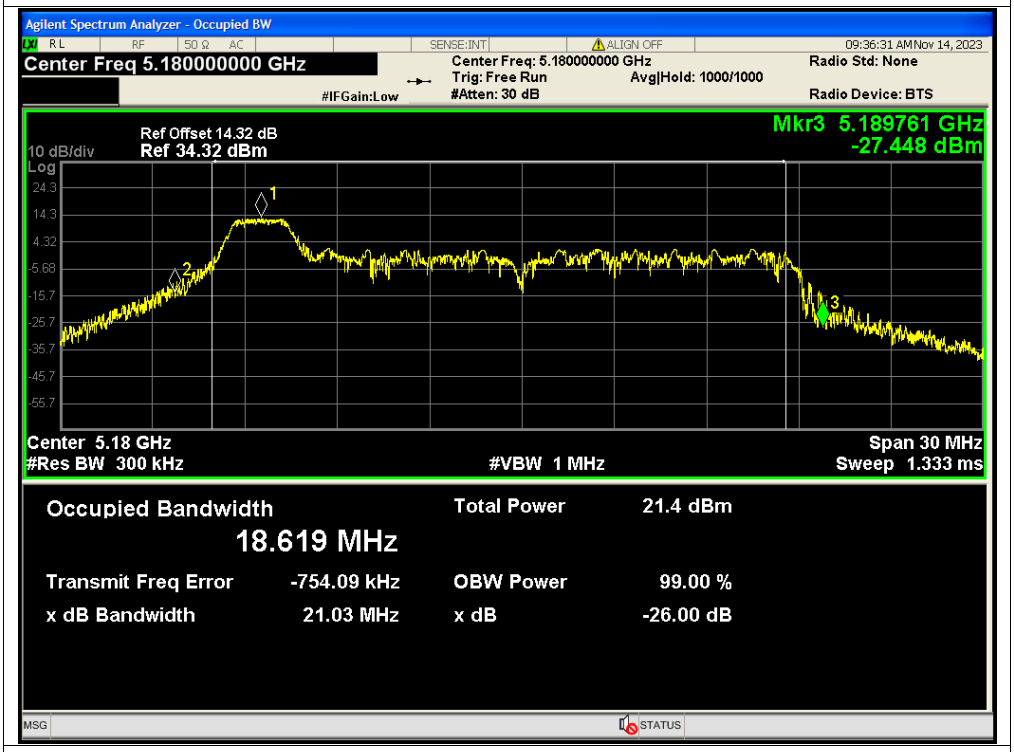
-26dB Bandwidth NVNT ax80 5210MHz Ant1



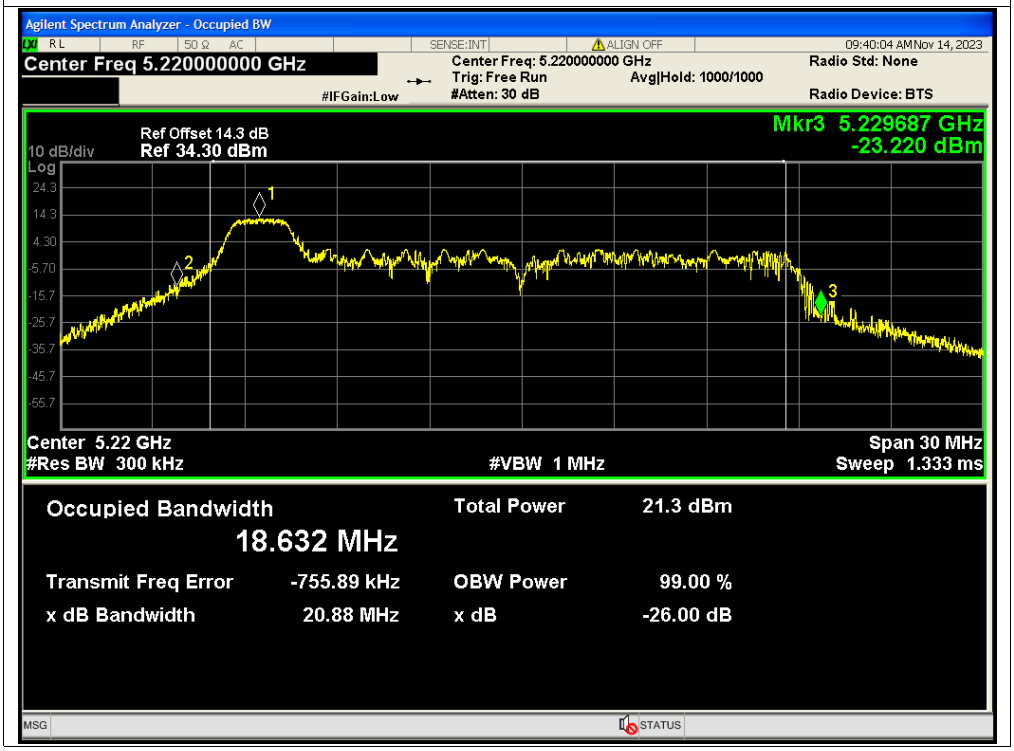
-26dB Bandwidth NVNT ax80 5210MHz Ant2



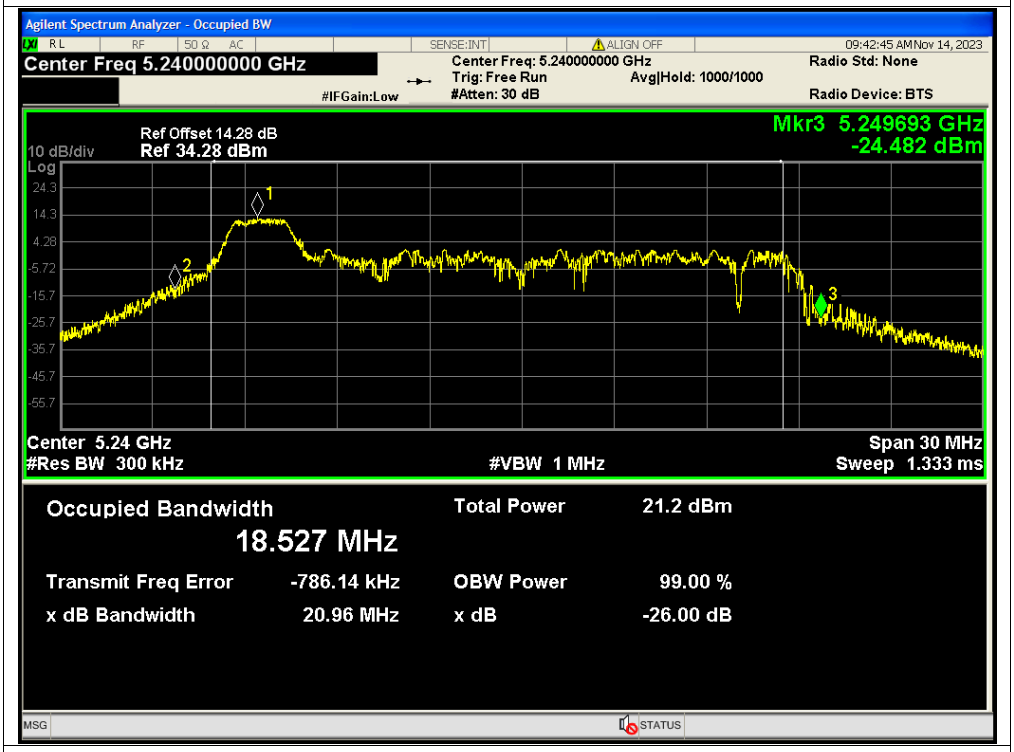
-26dB Bandwidth NVNT ax20 26@0 5180MHz Ant1



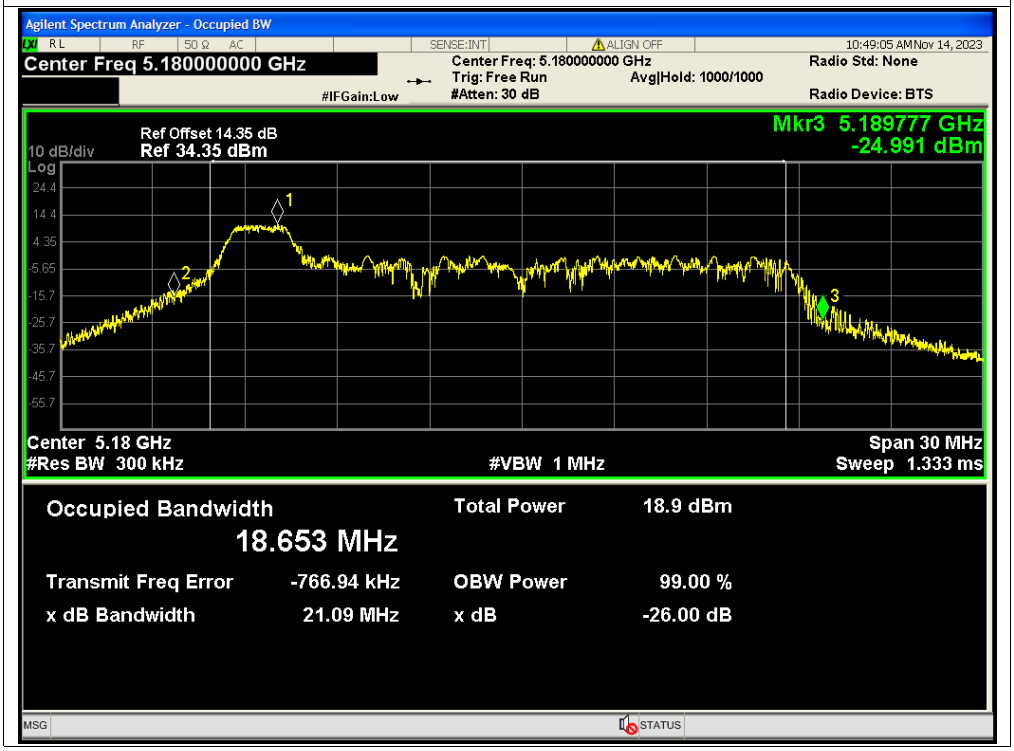
-26dB Bandwidth NVNT ax20 26@0 5220MHz Ant1



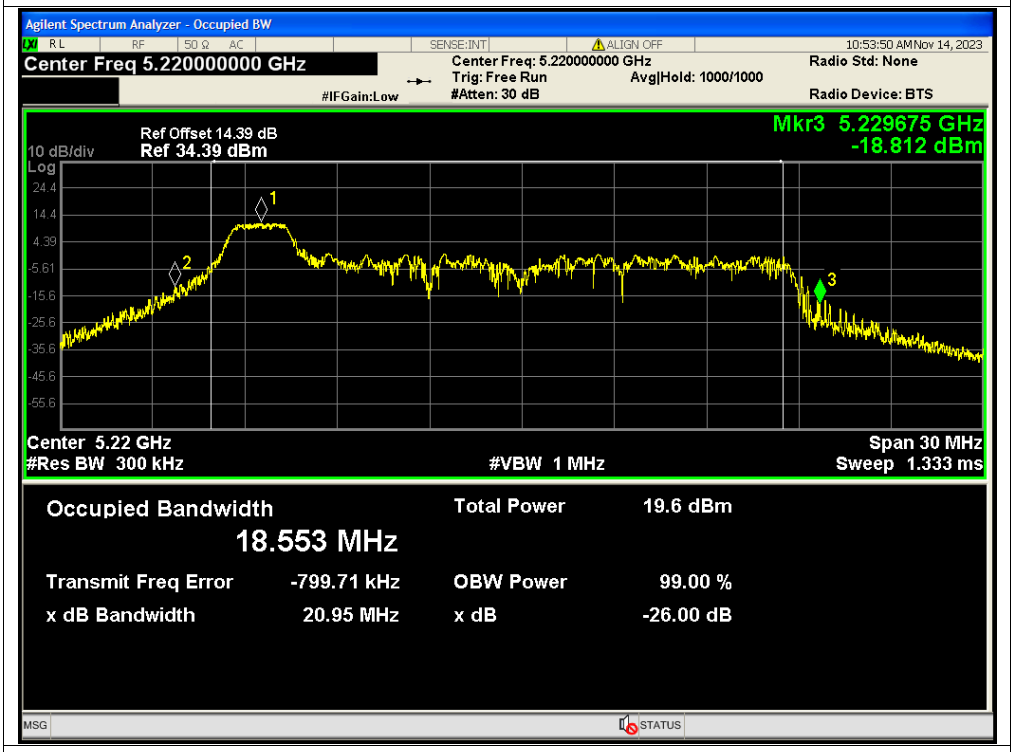
-26dB Bandwidth NVNT ax20 26@0 5240MHz Ant1



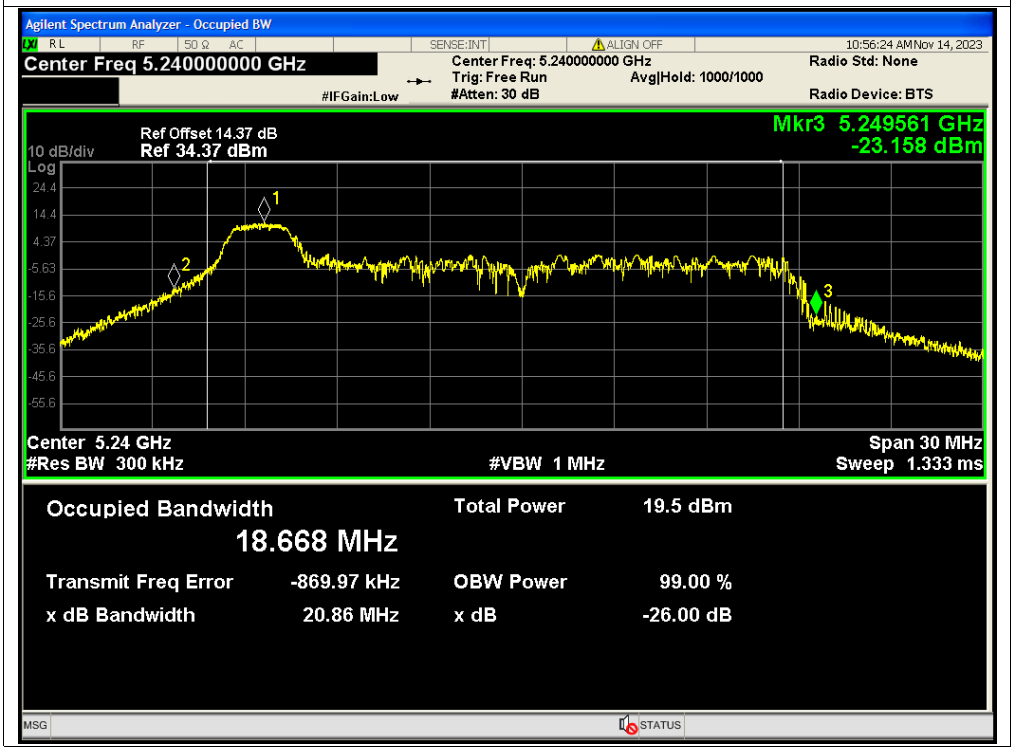
-26dB Bandwidth NVNT ax20 26@0 5180MHz Ant2



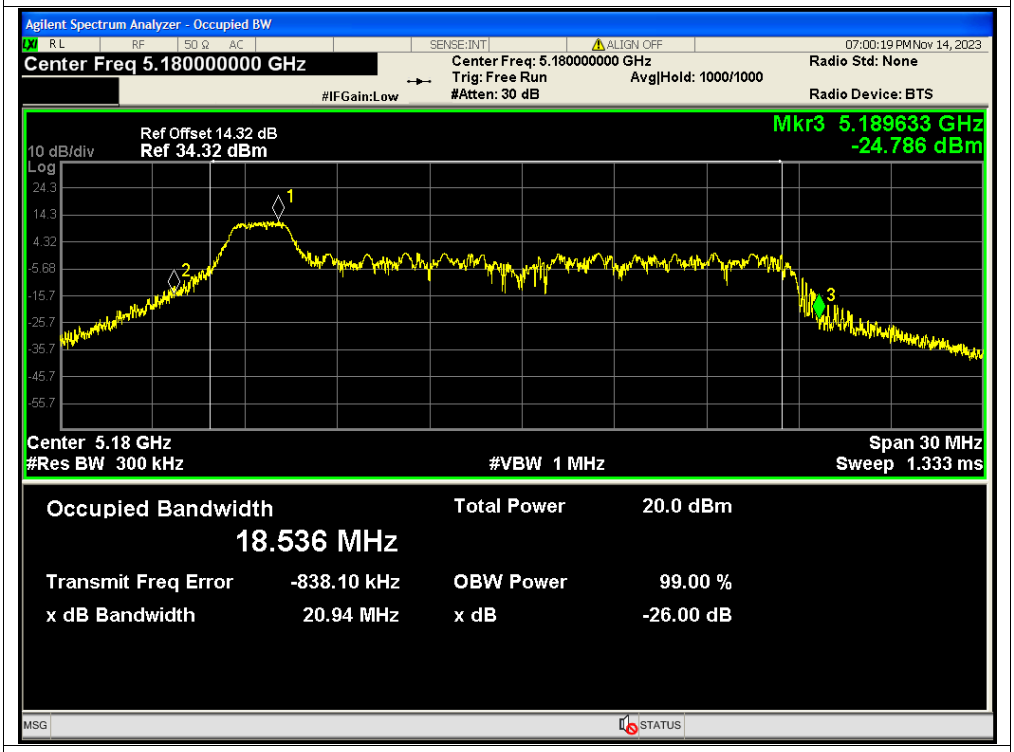
-26dB Bandwidth NVNT ax20 26@0 5220MHz Ant2



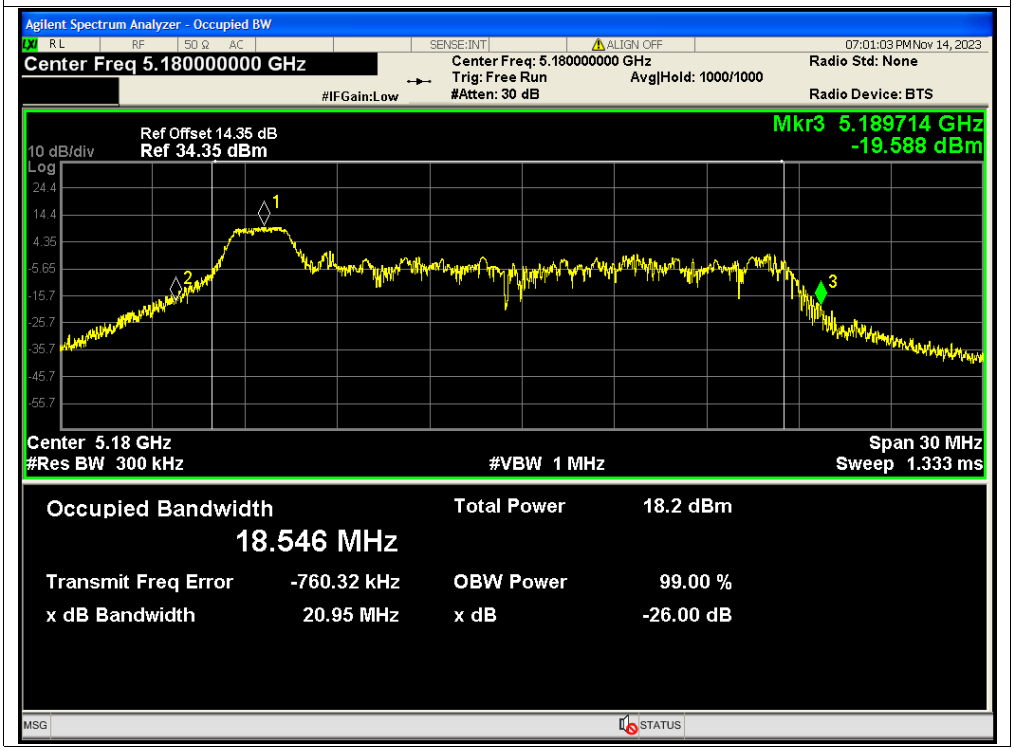
-26dB Bandwidth NVNT ax20 26@0 5240MHz Ant2



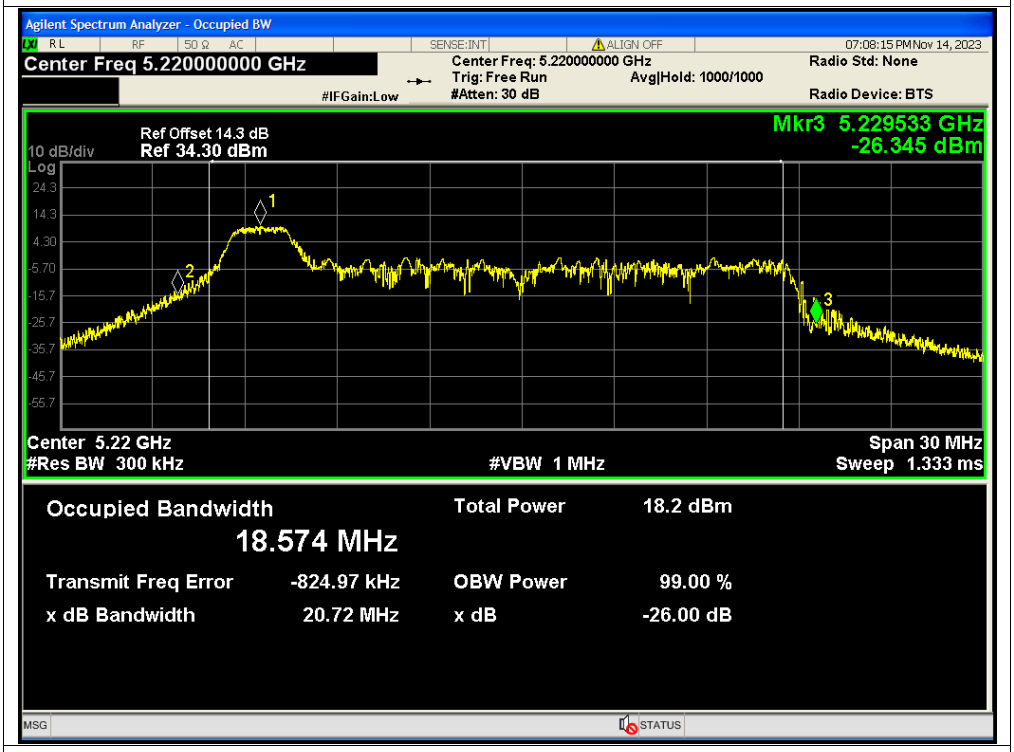
-26dB Bandwidth NVNT ax20 26@0 5180MHz Ant1



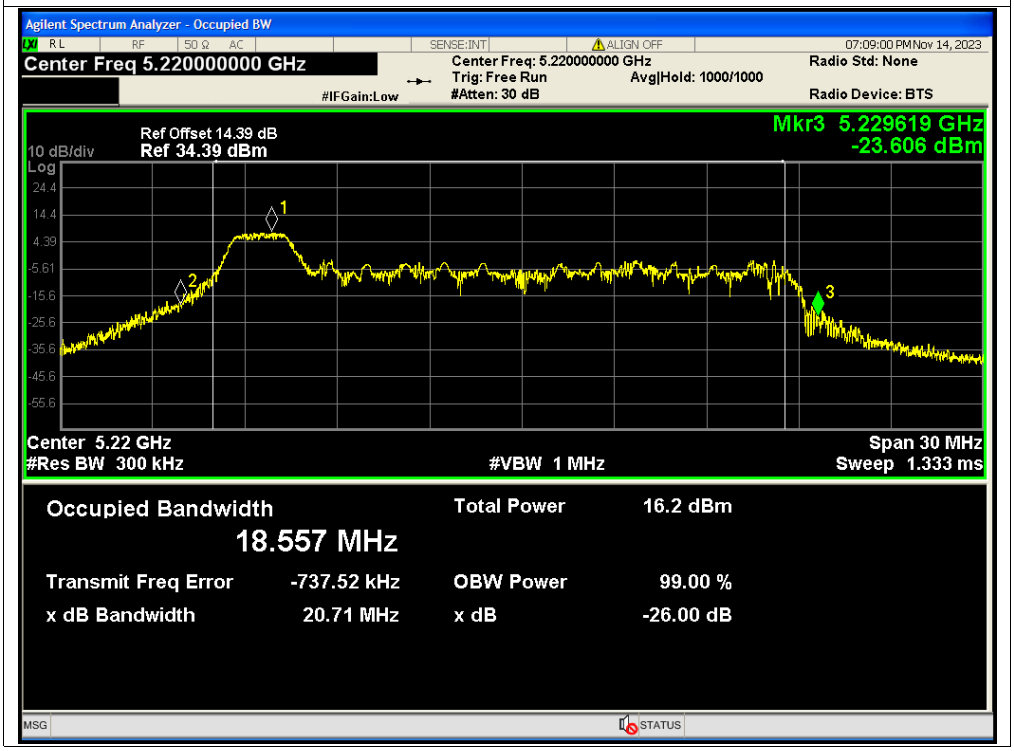
-26dB Bandwidth NVNT ax20 26@0 5180MHz Ant2



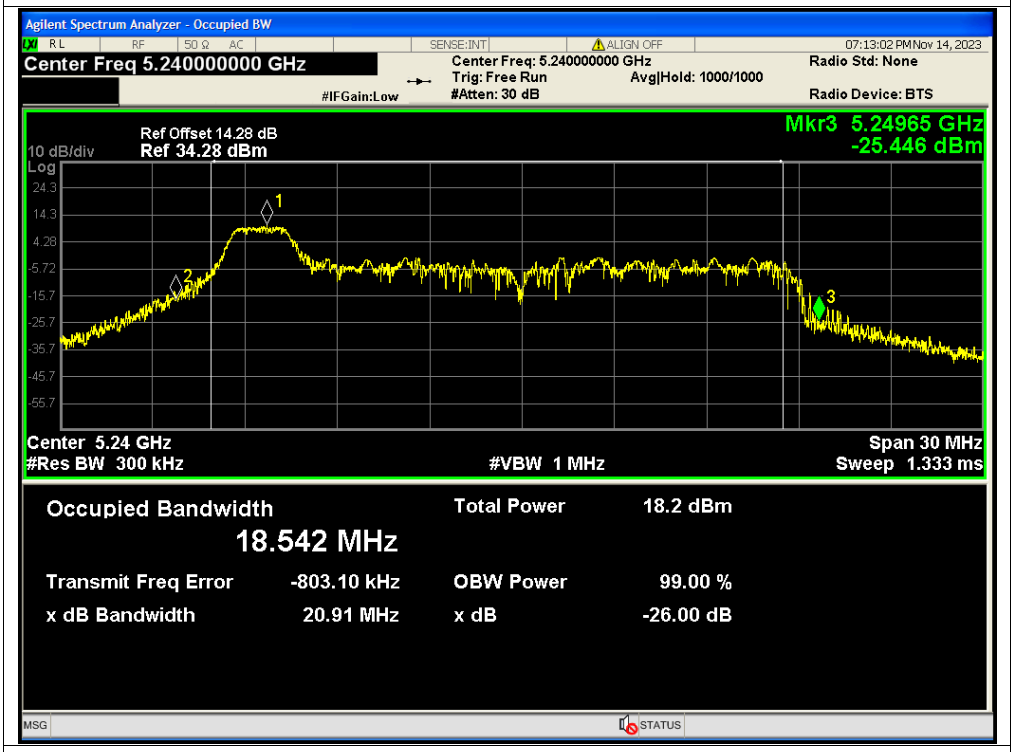
-26dB Bandwidth NVNT ax20 26@0 5220MHz Ant1



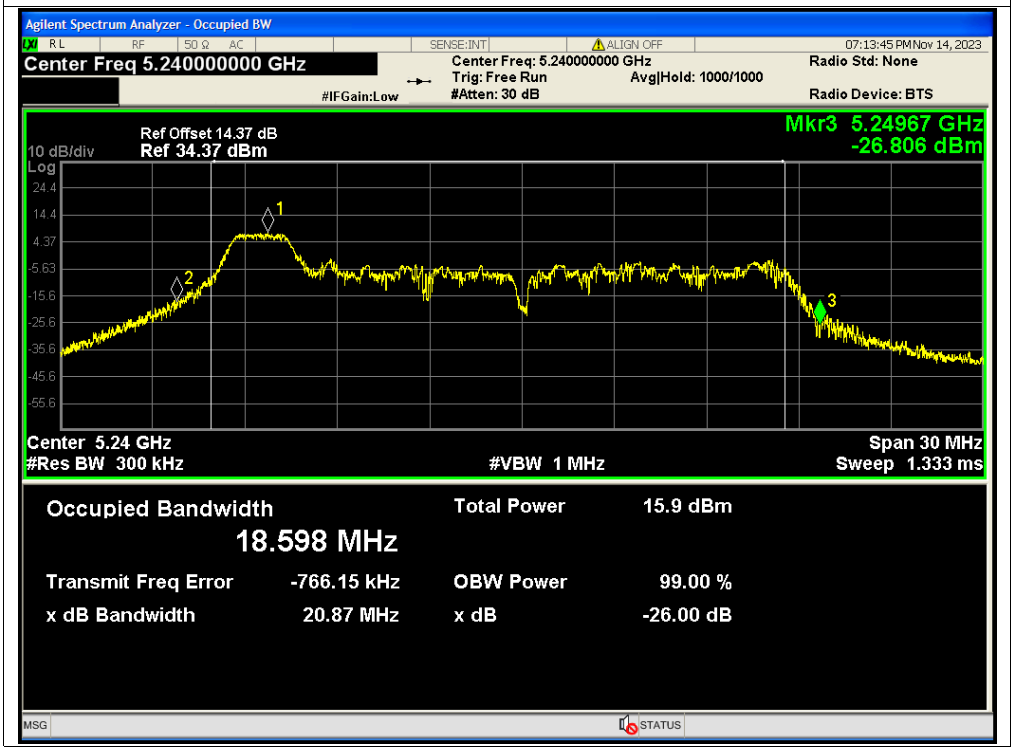
-26dB Bandwidth NVNT ax20 26@0 5220MHz Ant2



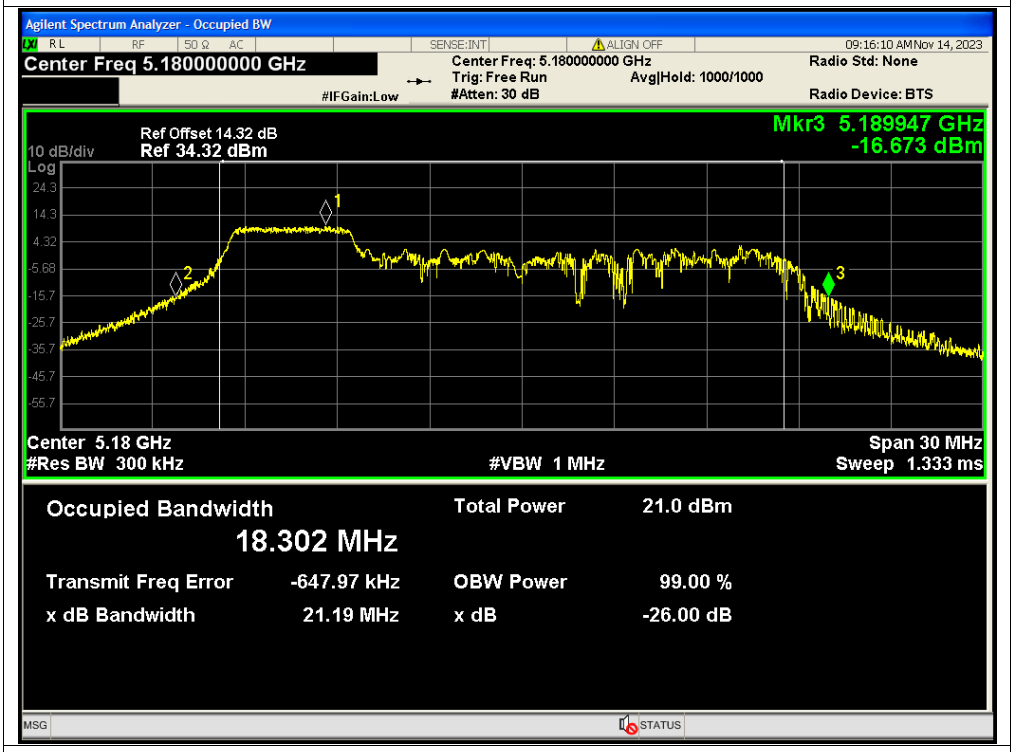
-26dB Bandwidth NVNT ax20 26@0 5240MHz Ant1



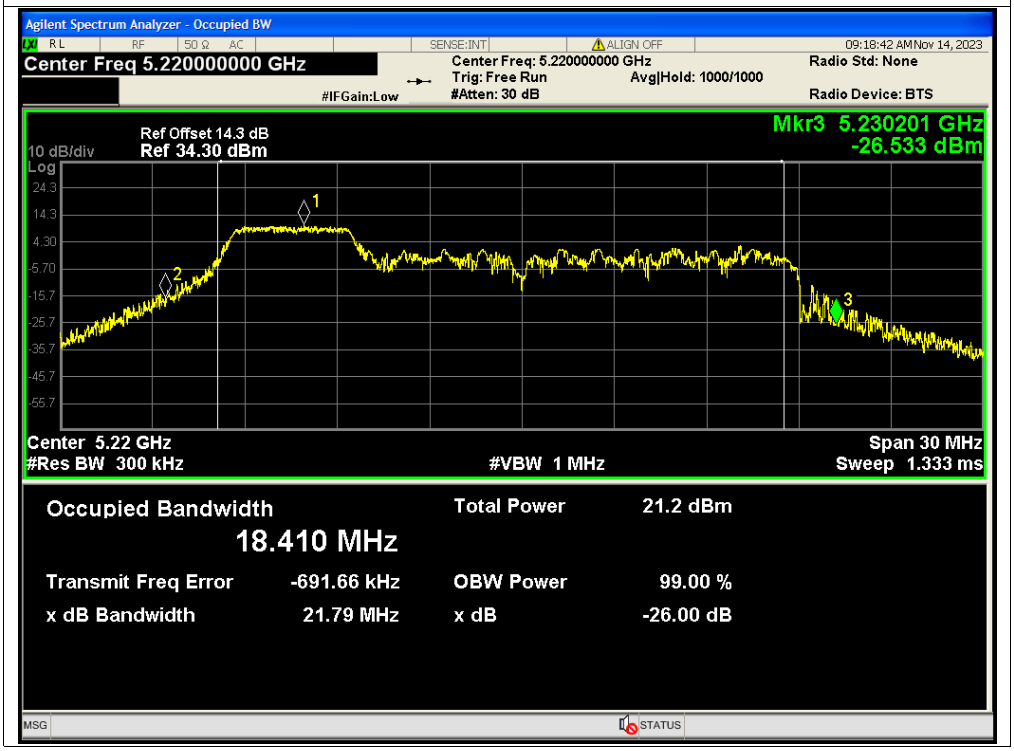
-26dB Bandwidth NVNT ax20 26@0 5240MHz Ant2



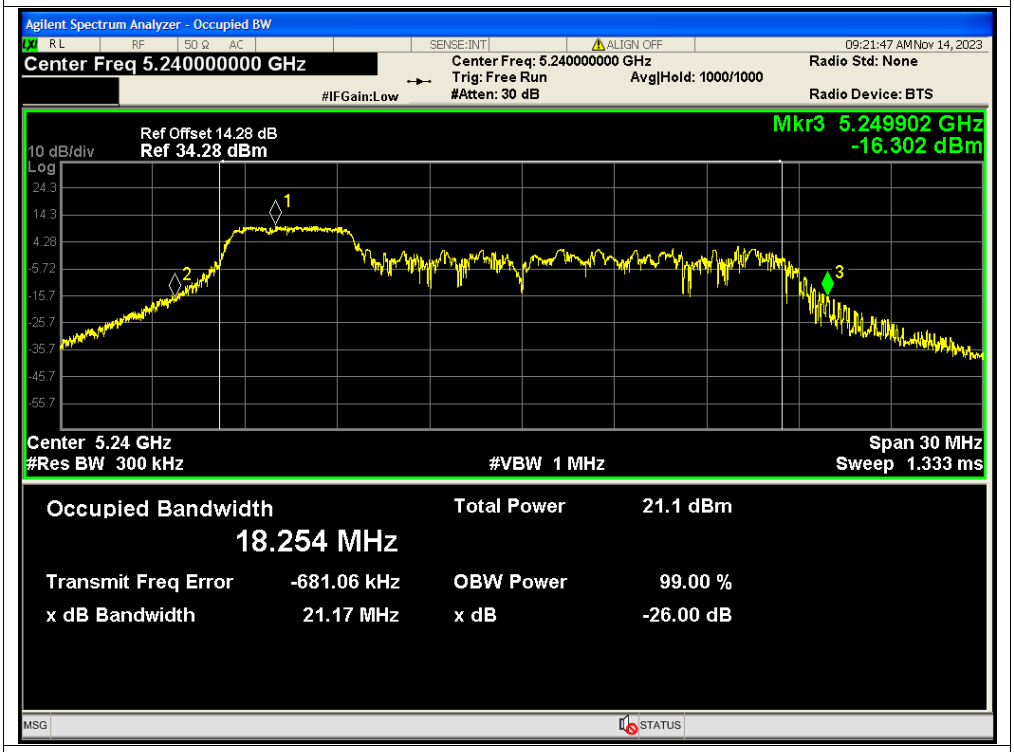
-26dB Bandwidth NVNT ax20 52@37 5180MHz Ant1



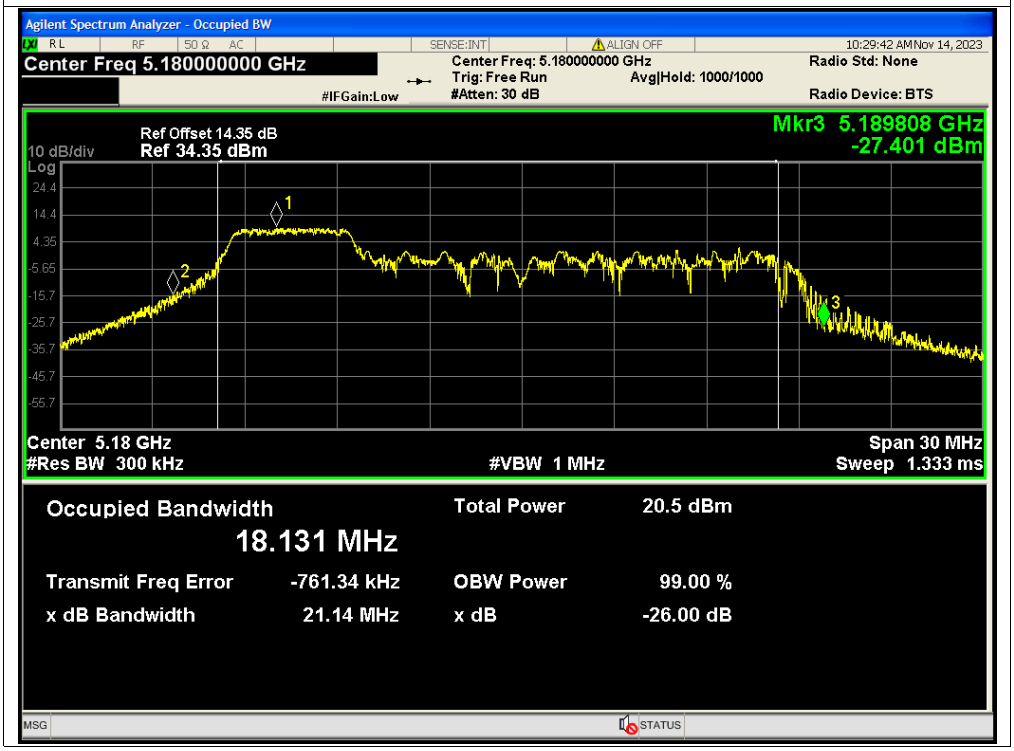
-26dB Bandwidth NVNT ax20 52@37 5220MHz Ant1



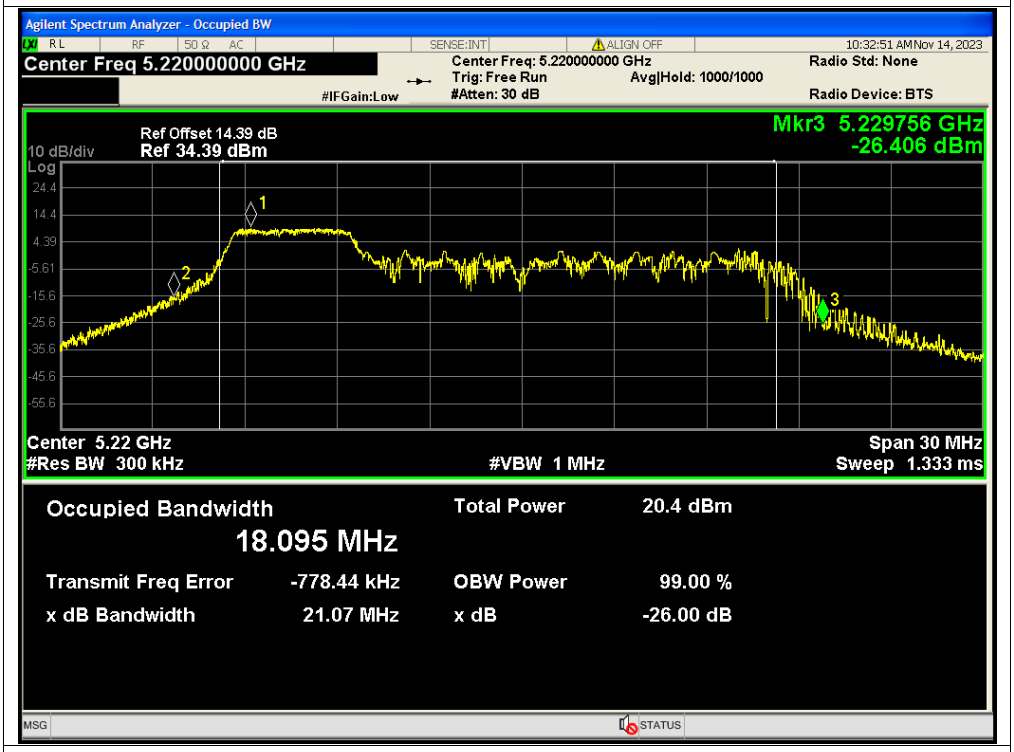
-26dB Bandwidth NVNT ax20 52@37 5240MHz Ant1



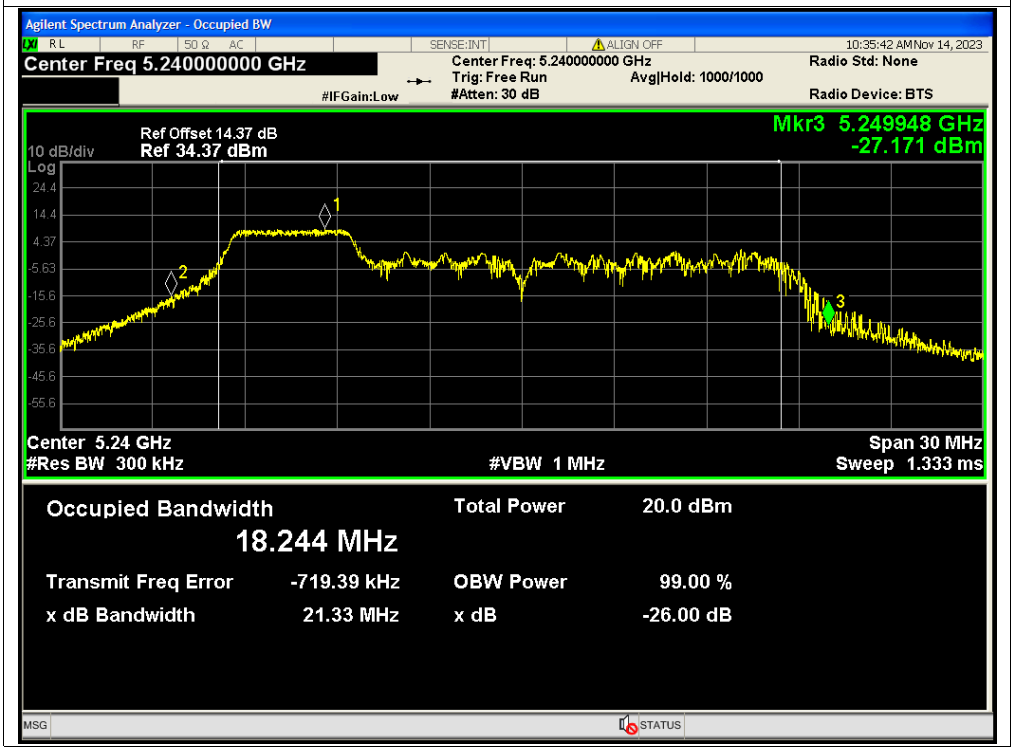
-26dB Bandwidth NVNT ax20 52@37 5180MHz Ant2



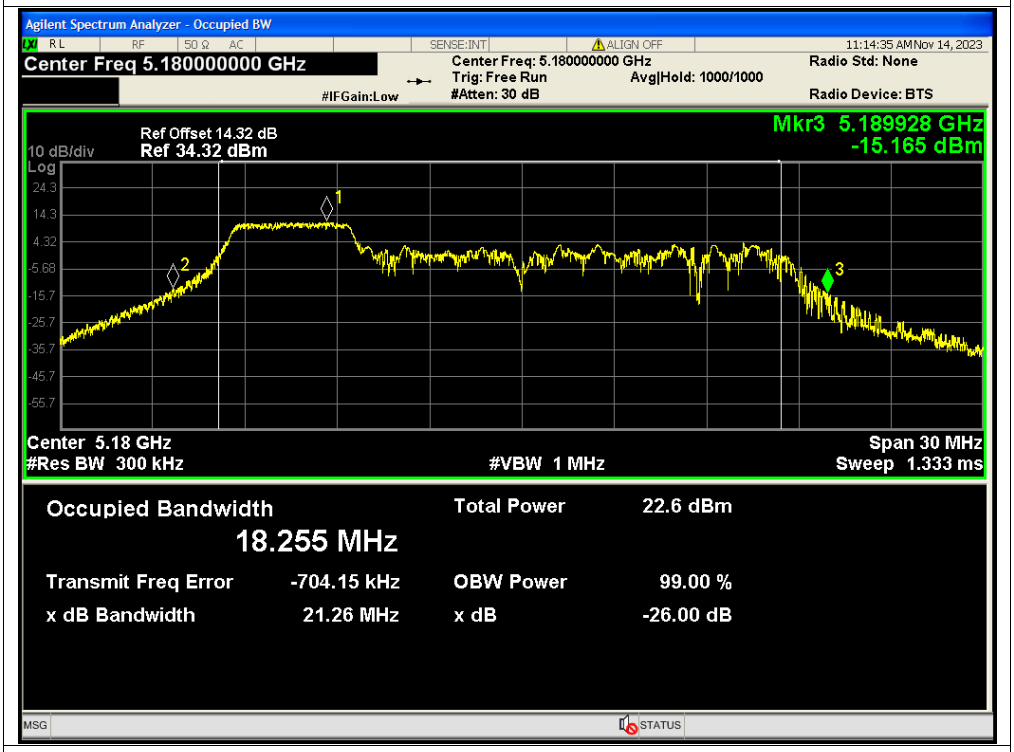
-26dB Bandwidth NVNT ax20 52@37 5220MHz Ant2



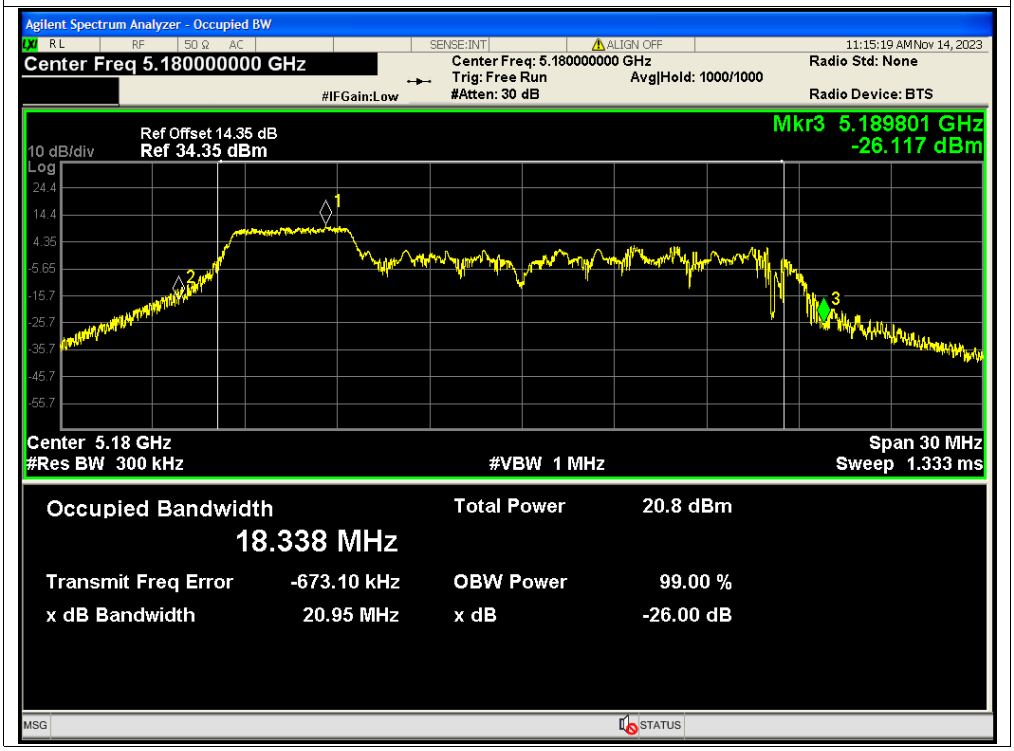
-26dB Bandwidth NVNT ax20 52@37 5240MHz Ant2



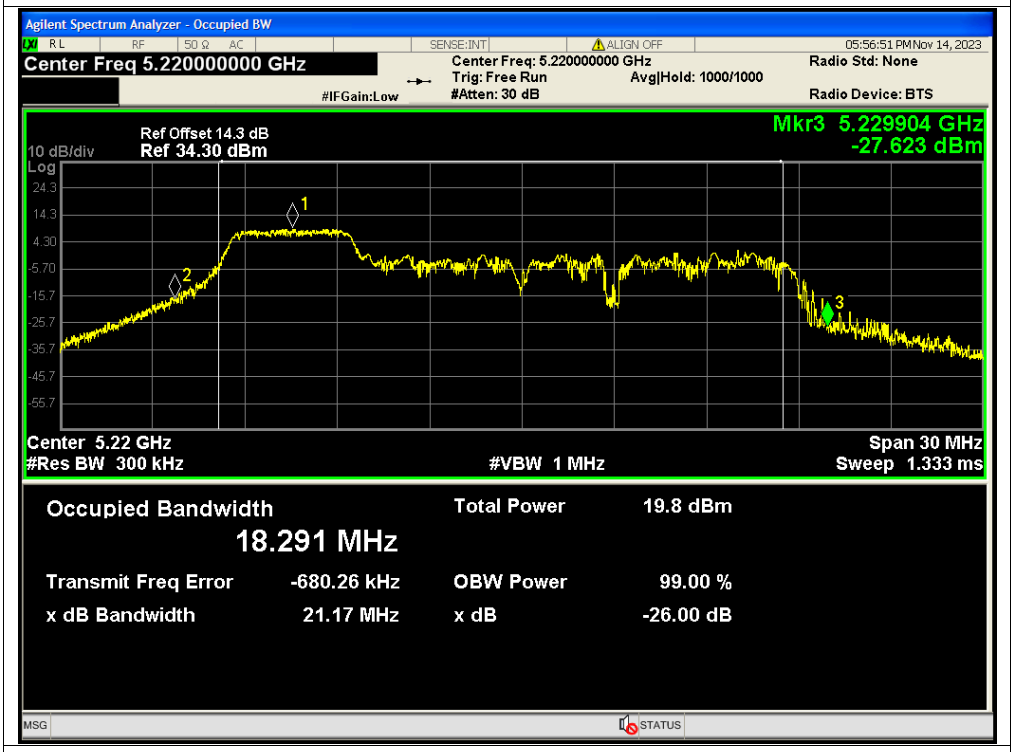
-26dB Bandwidth NVNT ax20 52@37 5180MHz Ant1



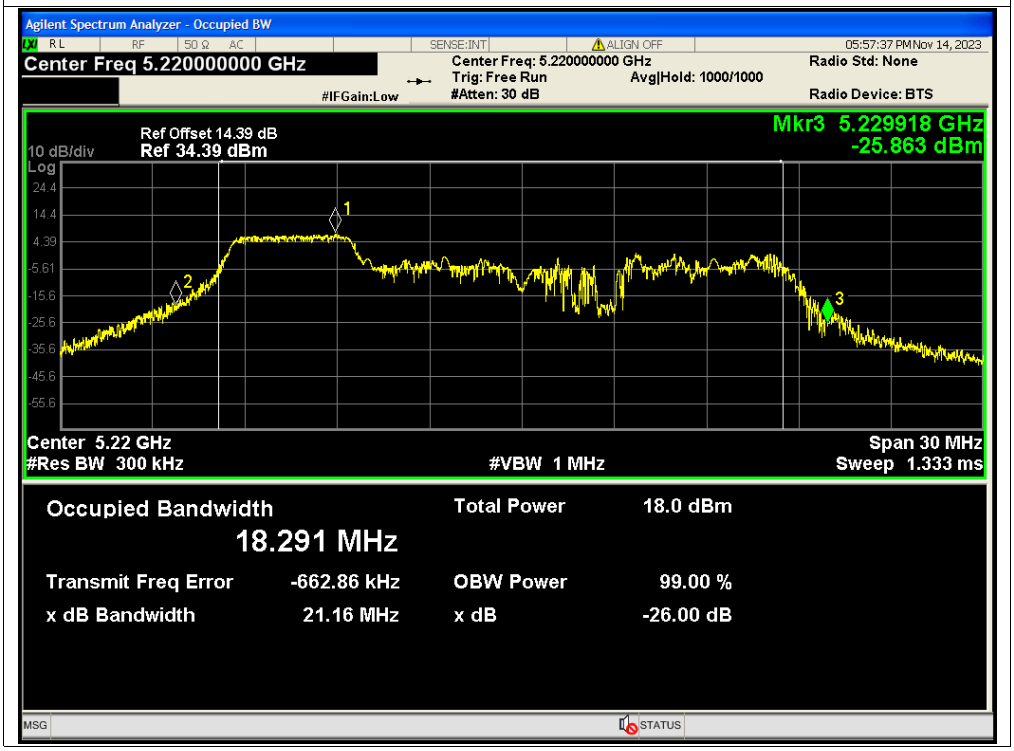
-26dB Bandwidth NVNT ax20 52@37 5180MHz Ant2



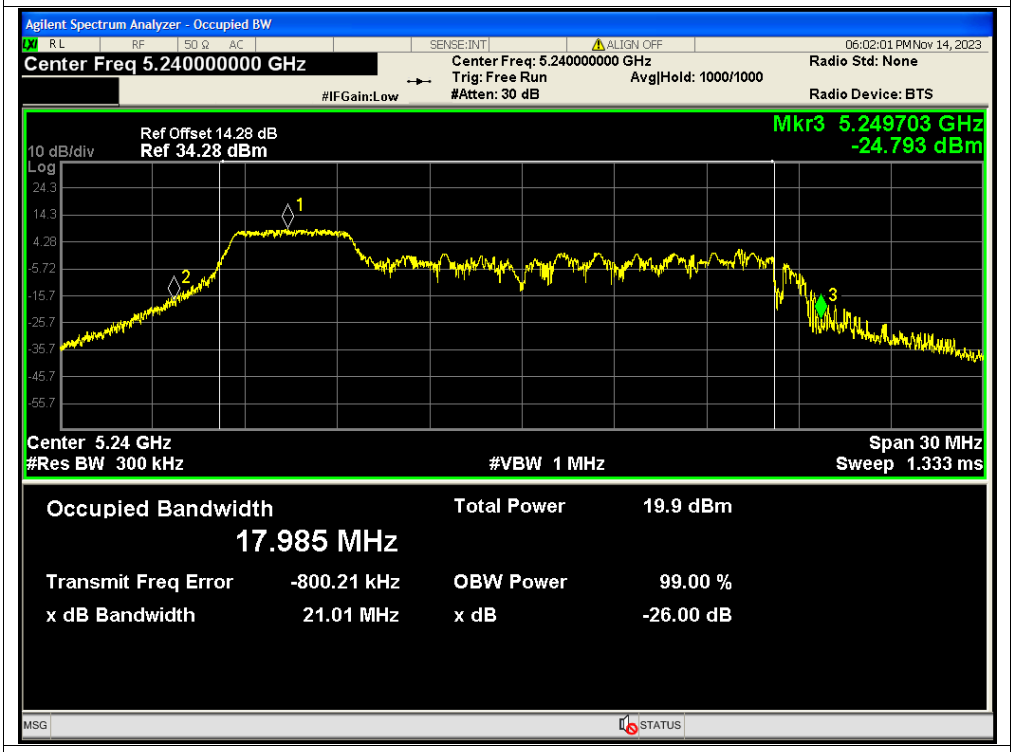
-26dB Bandwidth NVNT ax20 52@37 5220MHz Ant1



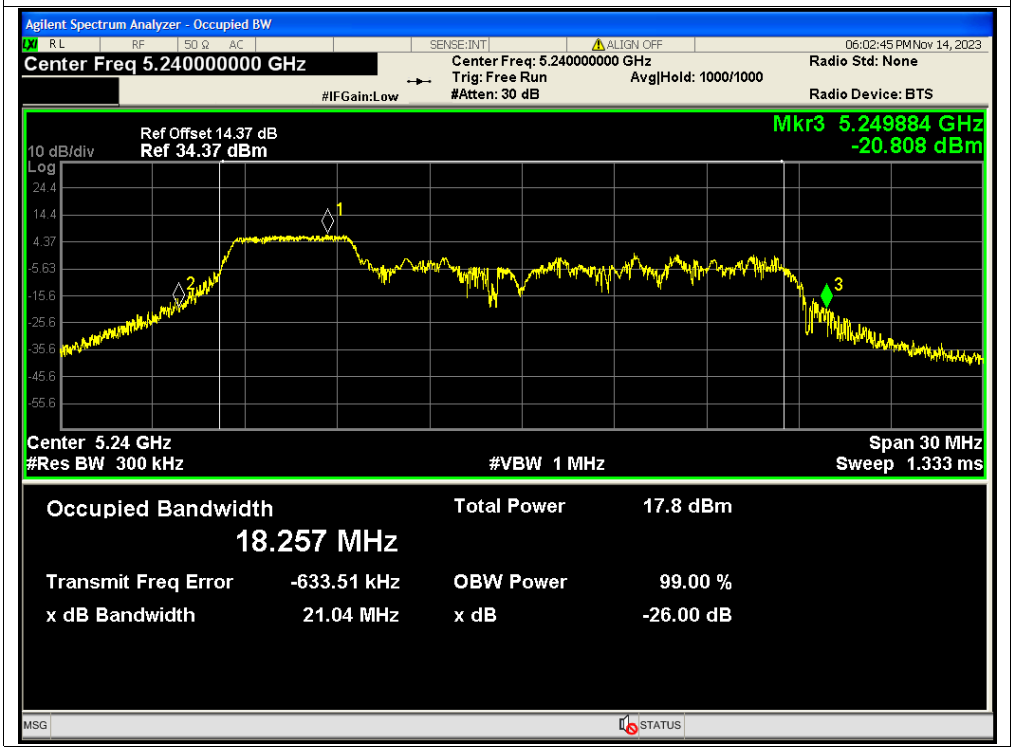
-26dB Bandwidth NVNT ax20 52@37 5220MHz Ant2



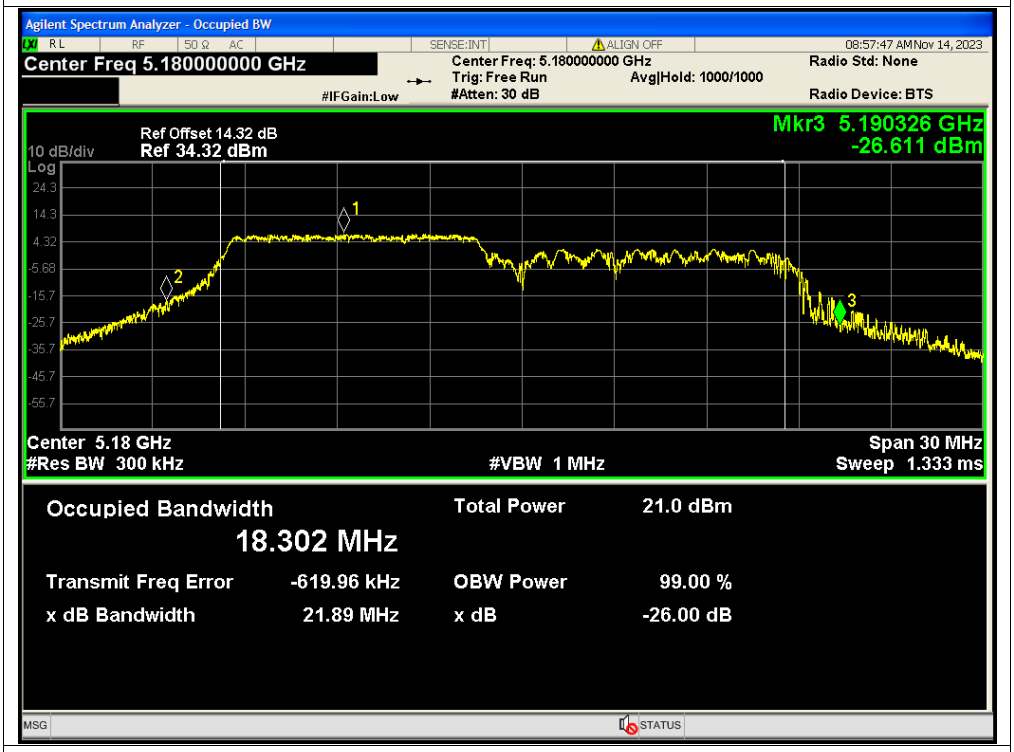
-26dB Bandwidth NVNT ax20 52@37 5240MHz Ant1



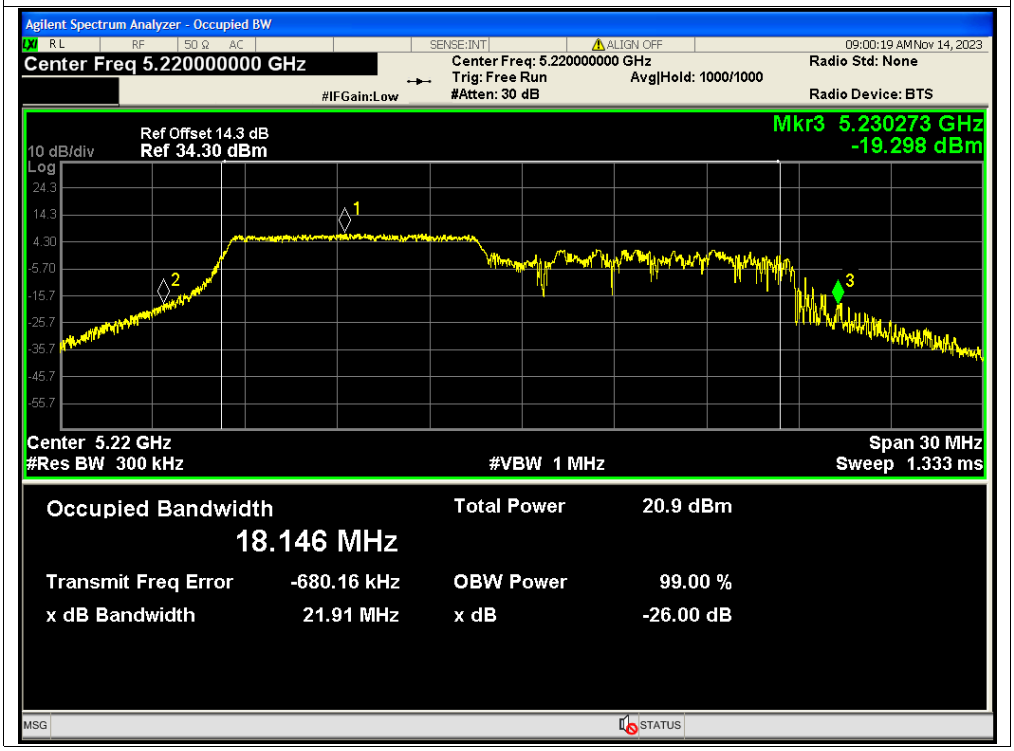
-26dB Bandwidth NVNT ax20 52@37 5240MHz Ant2



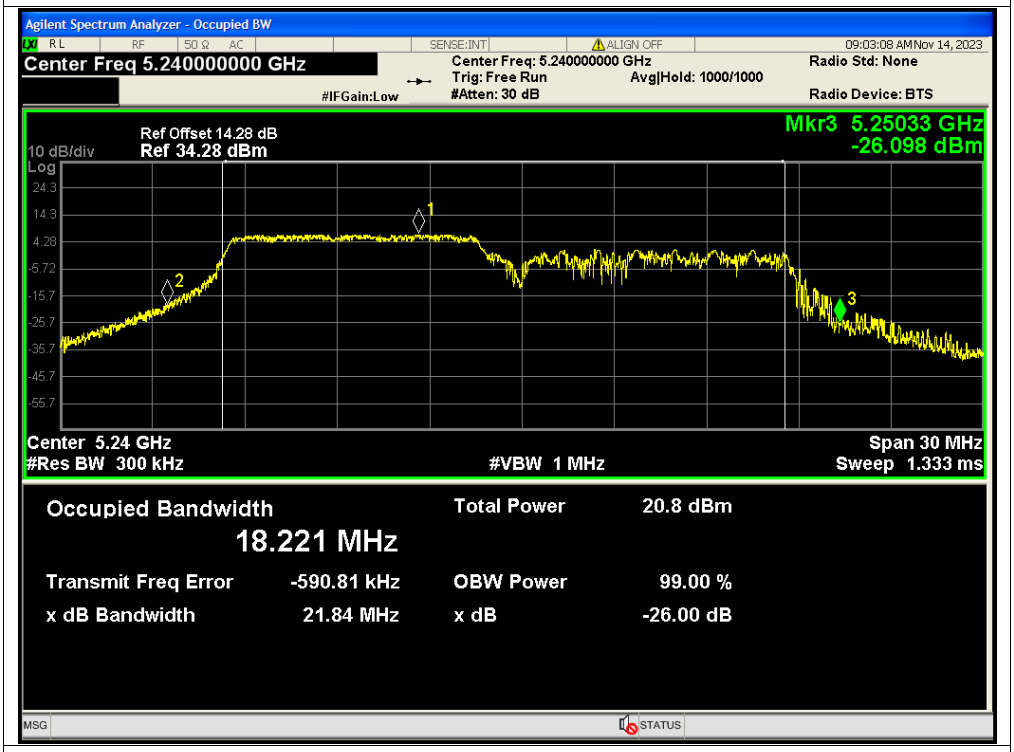
-26dB Bandwidth NVNT ax20 106@53 5180MHz Ant1



-26dB Bandwidth NVNT ax20 106@53 5220MHz Ant1



-26dB Bandwidth NVNT ax20 106@53 5240MHz Ant1



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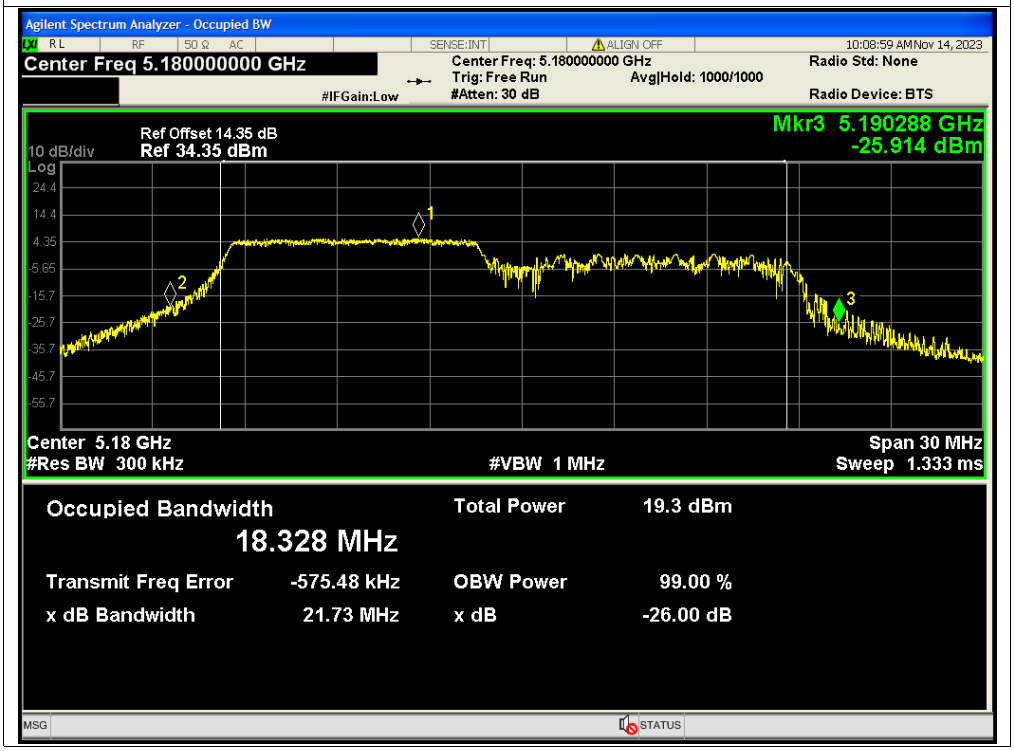
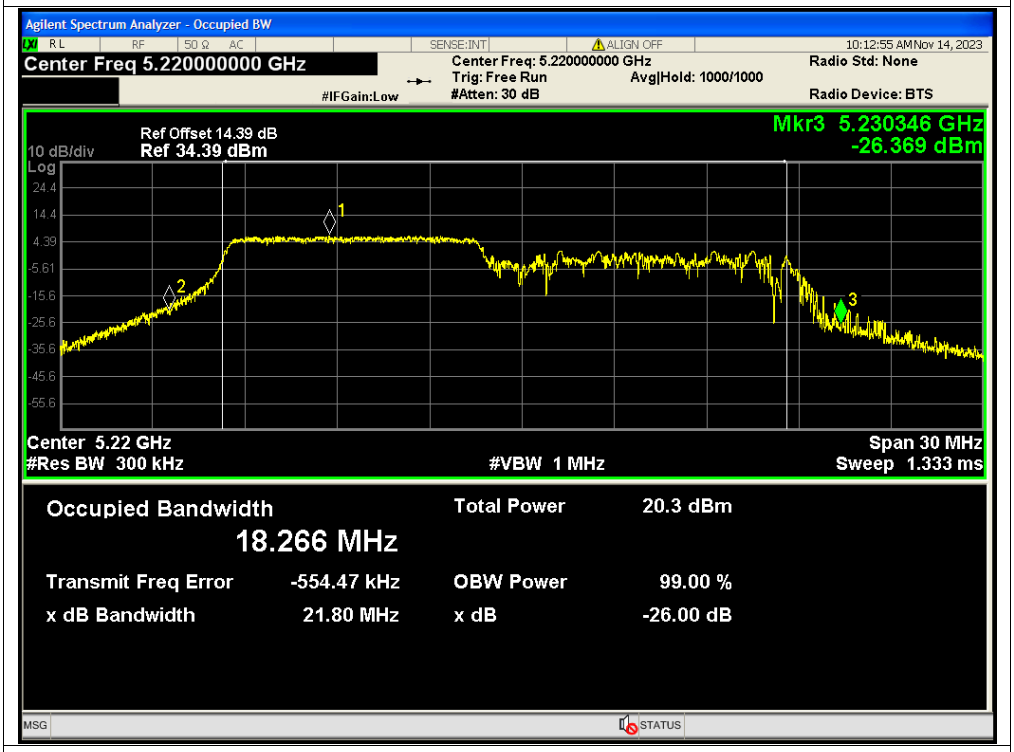
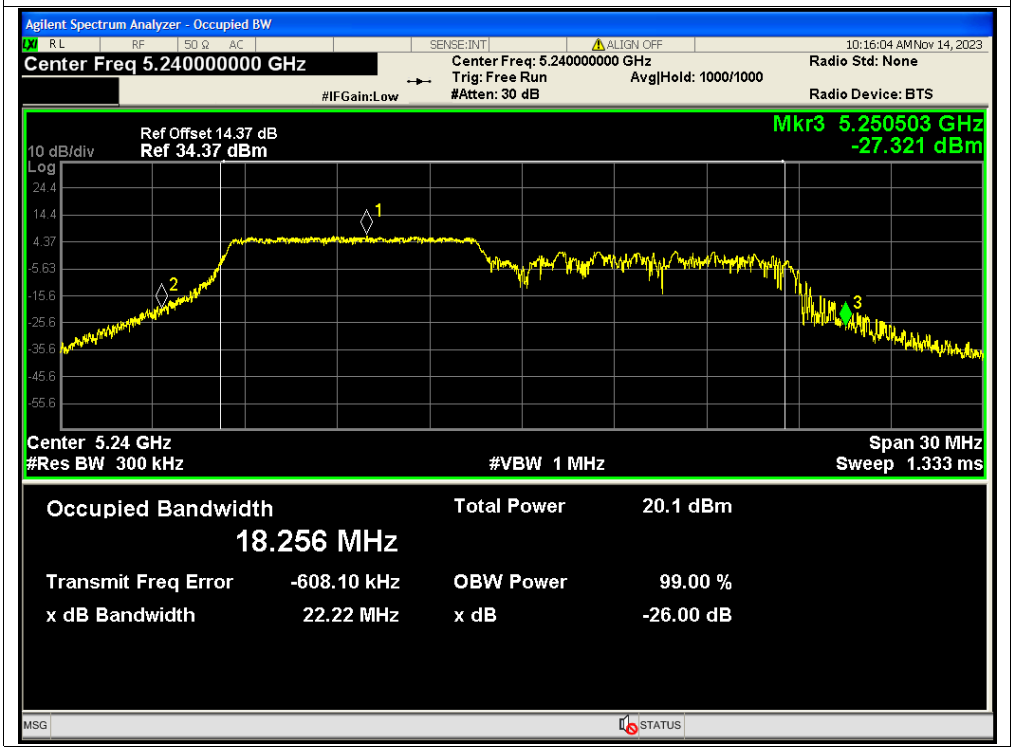


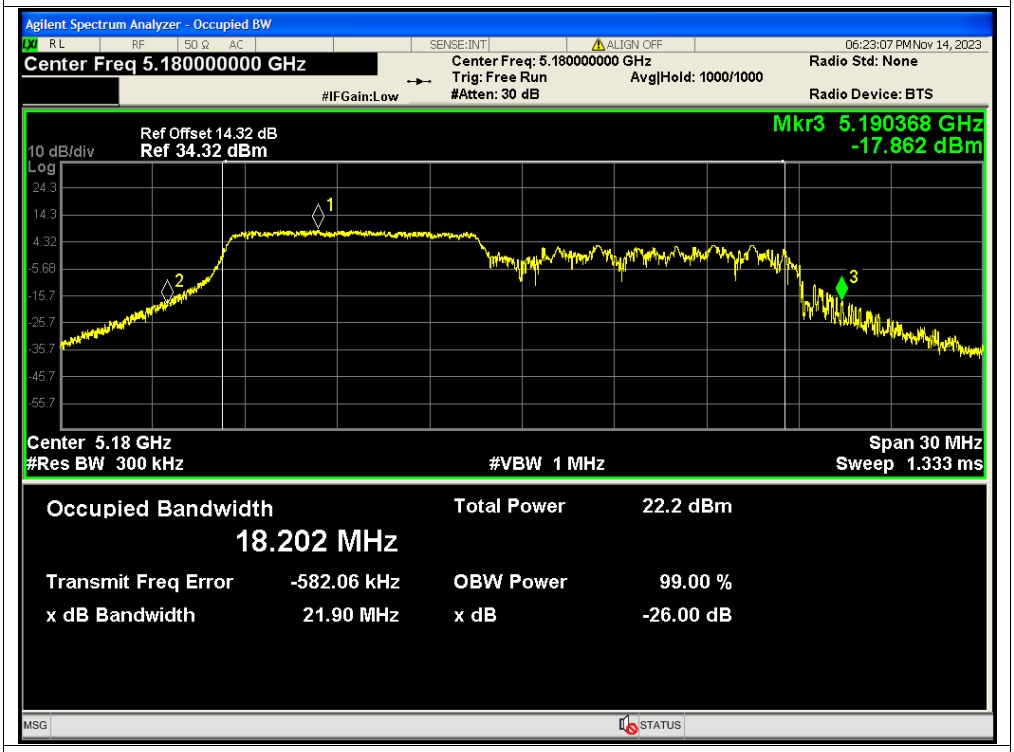
-26dB Bandwidth NVNT ax20 106@53 5220MHz Ant2



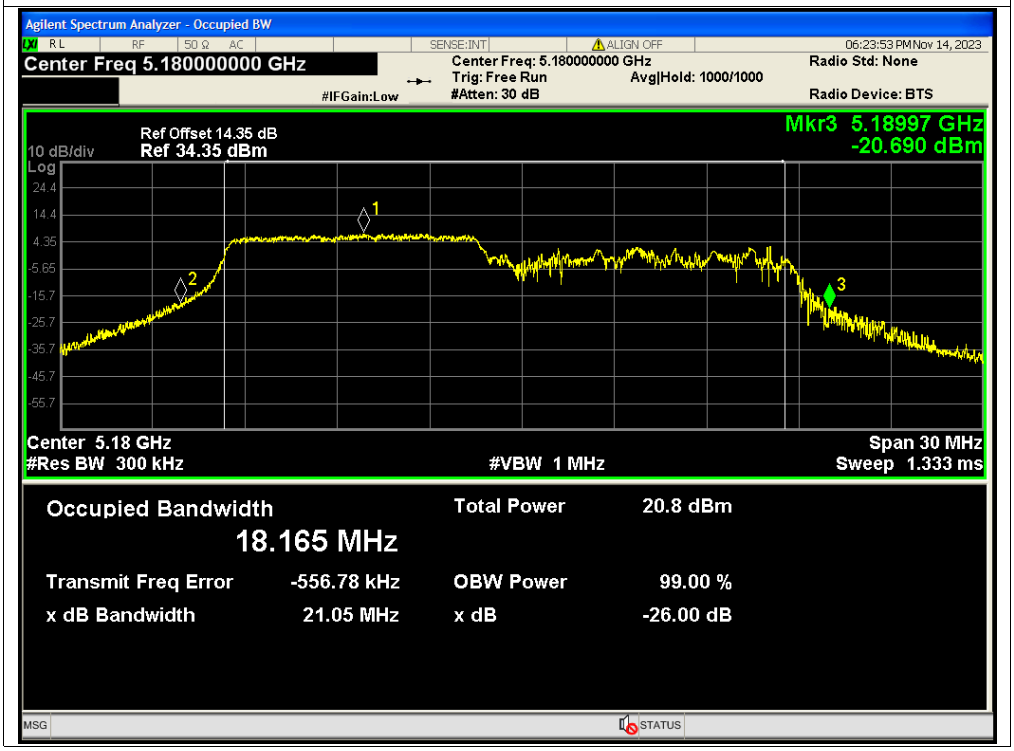
-26dB Bandwidth NVNT ax20 106@53 5240MHz Ant2



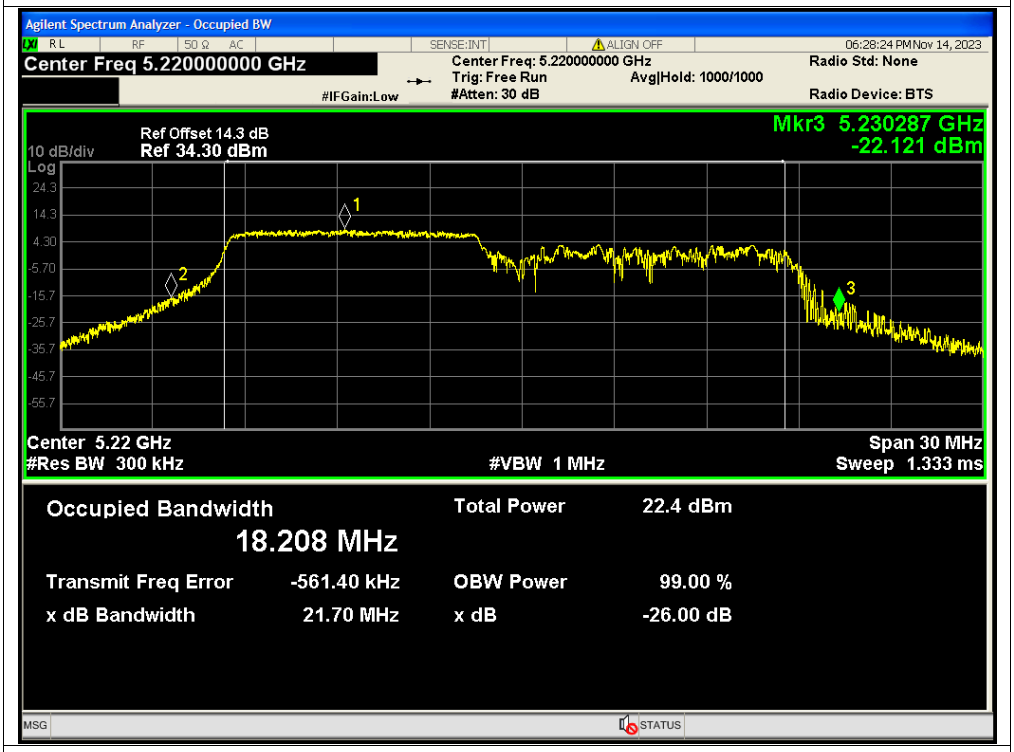
-26dB Bandwidth NVNT ax20 106@53 5180MHz Ant1



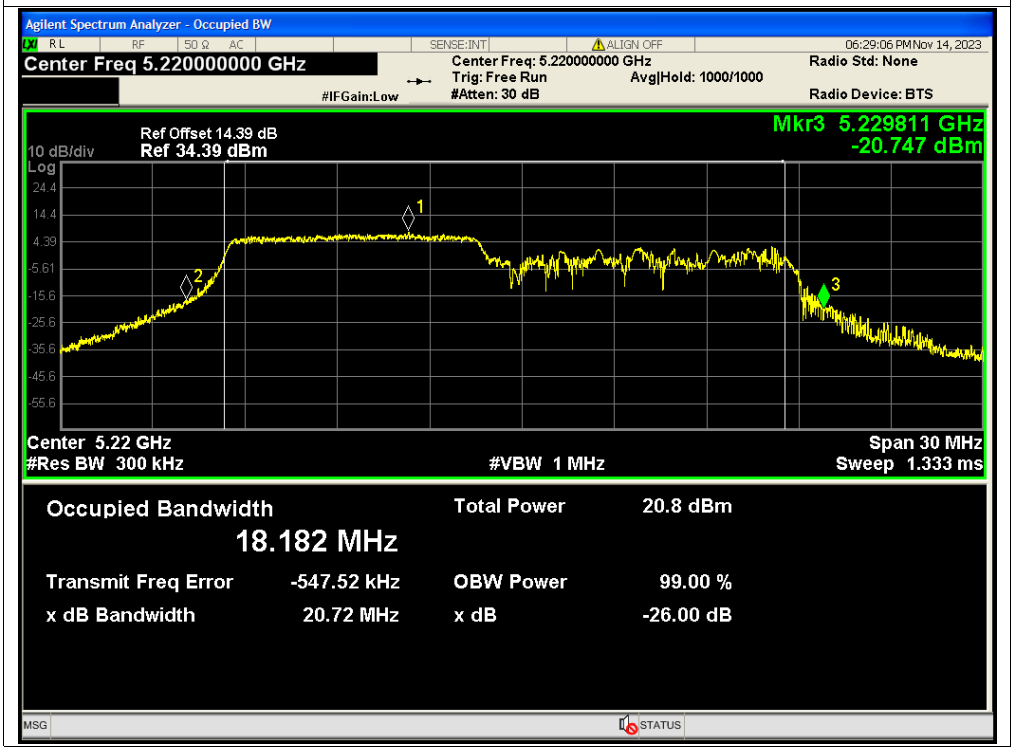
-26dB Bandwidth NVNT ax20 106@53 5180MHz Ant2



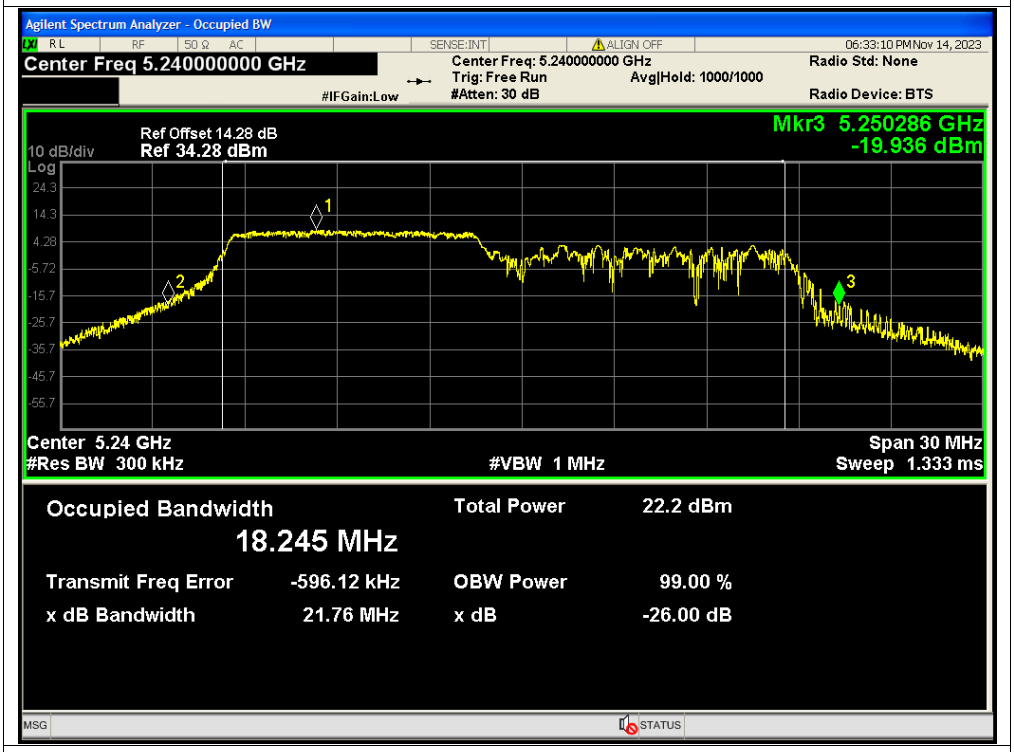
-26dB Bandwidth NVNT ax20 106@53 5220MHz Ant1



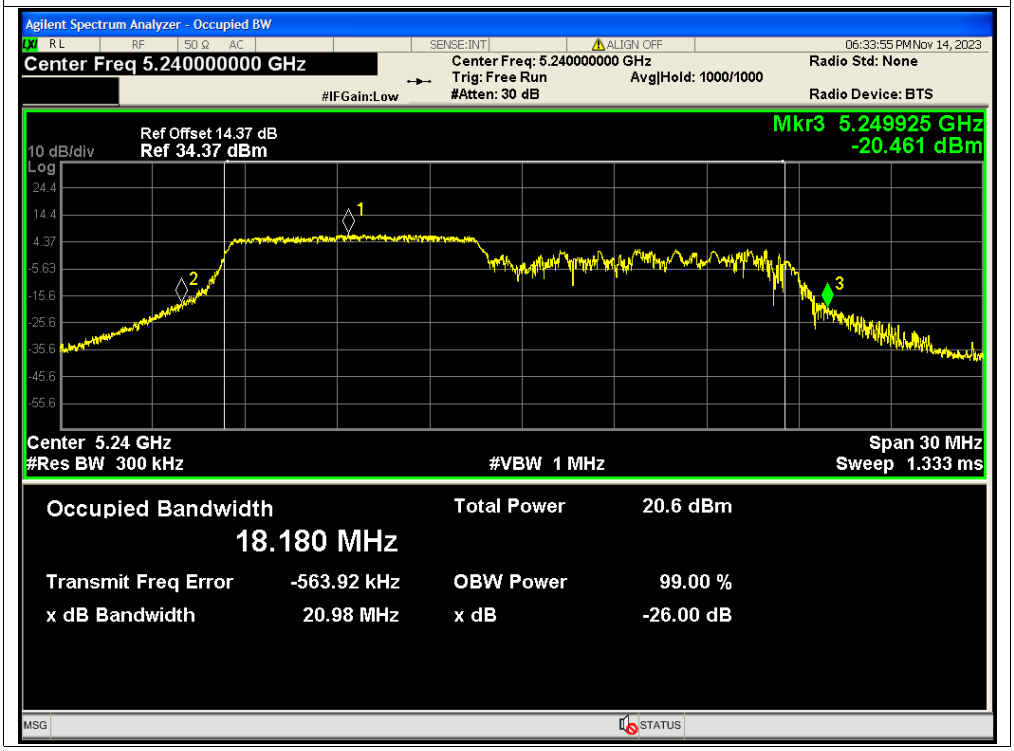
-26dB Bandwidth NVNT ax20 106@53 5220MHz Ant2



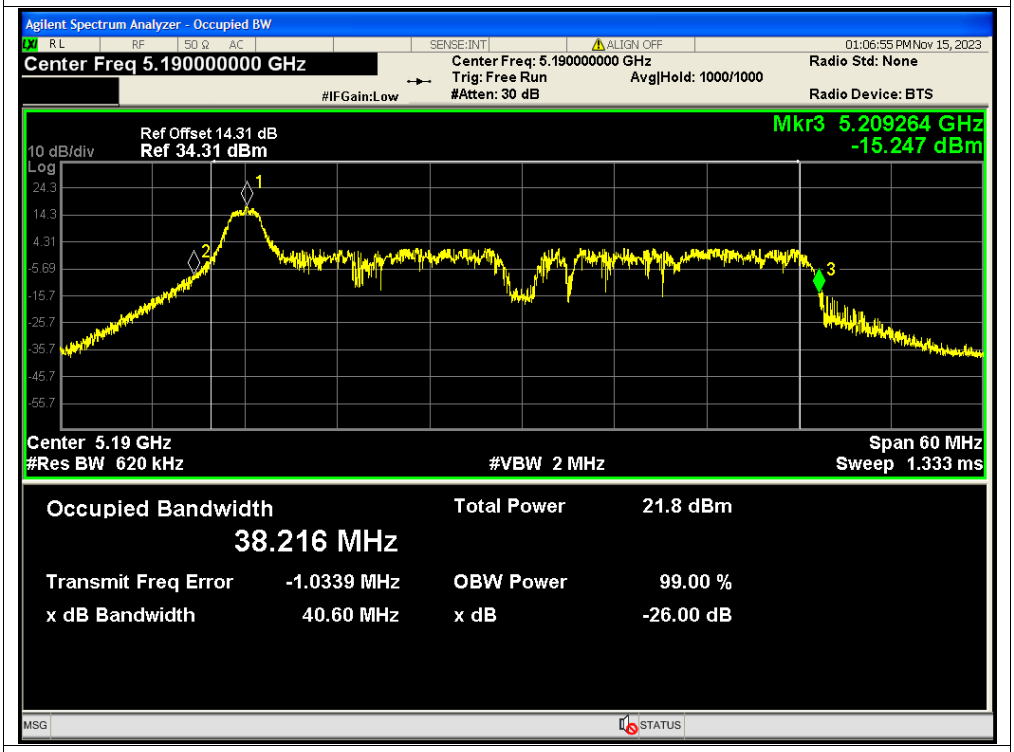
-26dB Bandwidth NVNT ax20 106@53 5240MHz Ant1



-26dB Bandwidth NVNT ax20 106@53 5240MHz Ant2

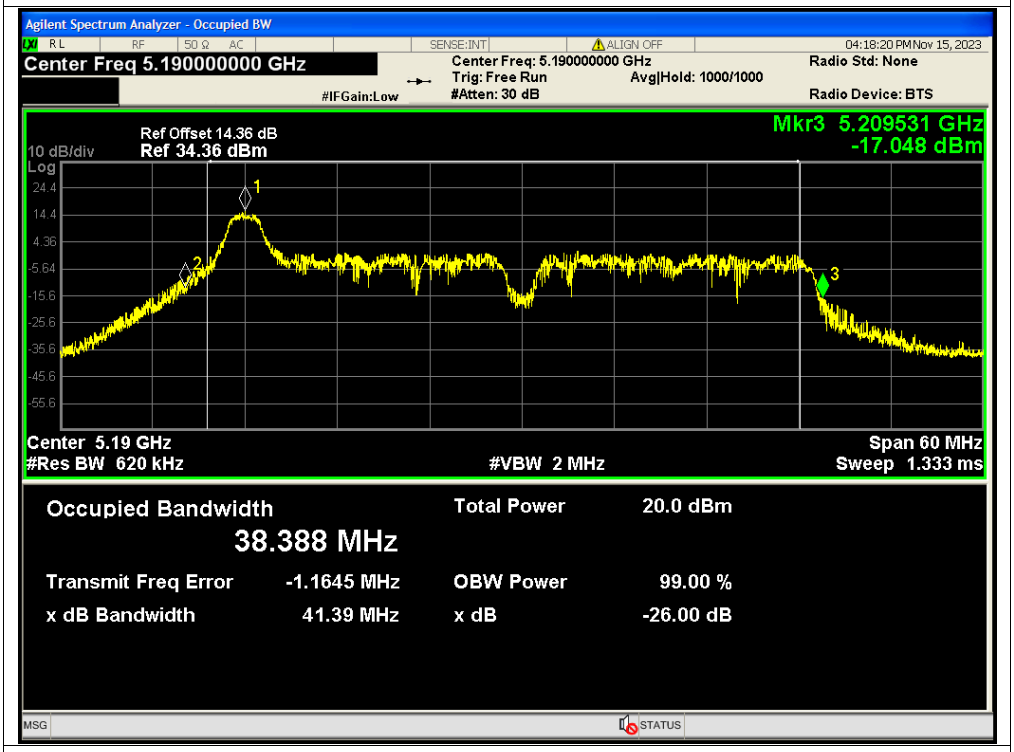


-26dB Bandwidth NVNT ax40 26@0 5190MHz Ant1



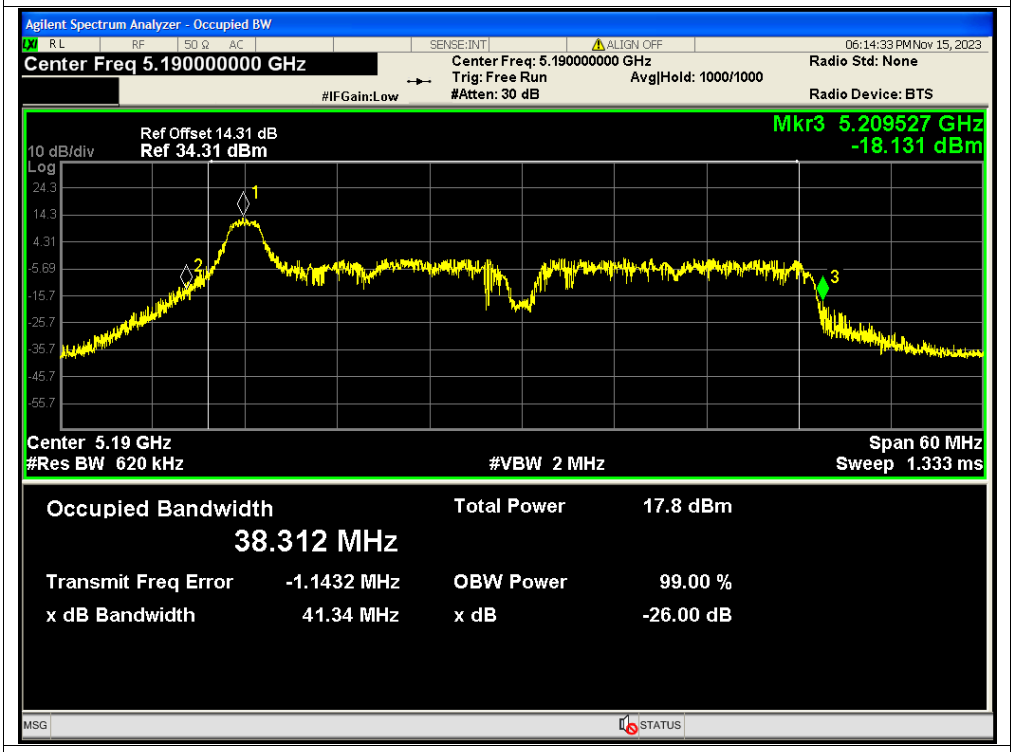
-26dB Bandwidth NVNT ax40 26@0 5230MHz Ant1

-26dB Bandwidth NVNT ax40 26@0 5190MHz Ant2



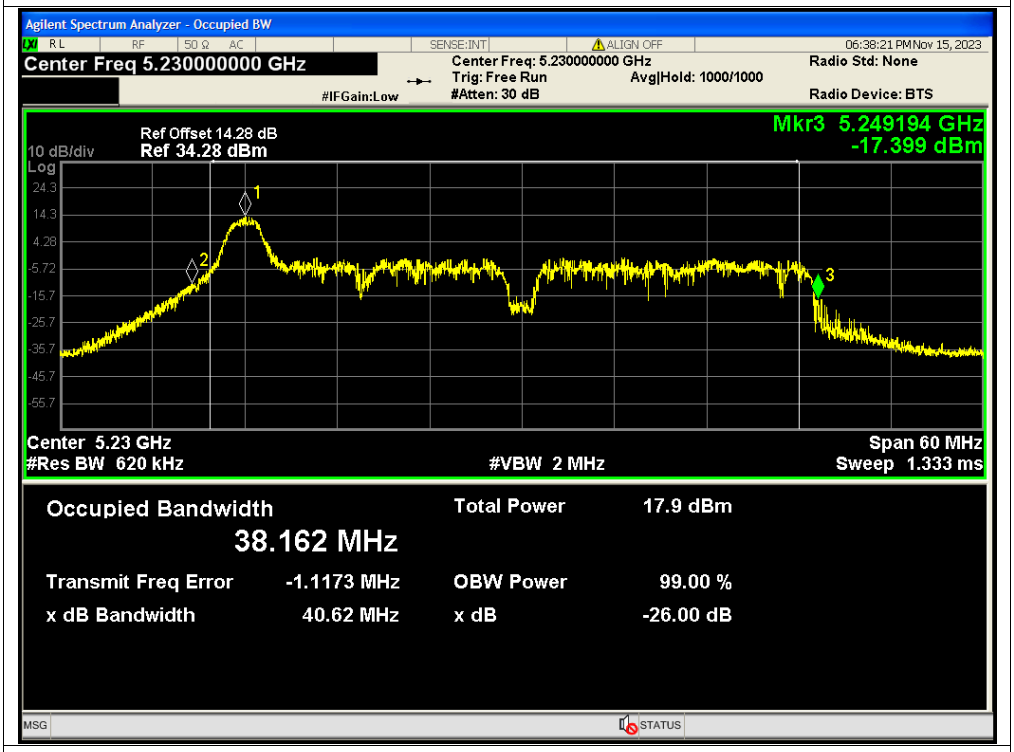
-26dB Bandwidth NVNT ax40 26@0 5230MHz Ant2

-26dB Bandwidth NVNT ax40 26@0 5190MHz Ant1



-26dB Bandwidth NVNT ax40 26@0 5190MHz Ant2

-26dB Bandwidth NVNT ax40 26@0 5230MHz Ant1

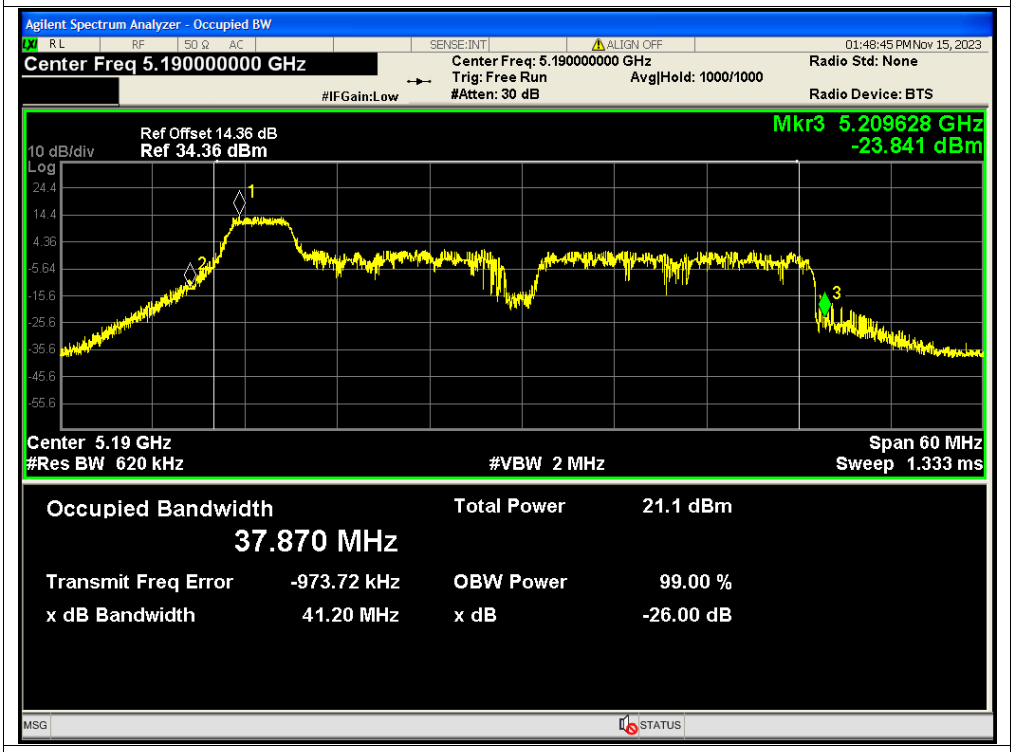


-26dB Bandwidth NVNT ax40 26@0 5230MHz Ant2

-26dB Bandwidth NVNT ax40 52@37 5190MHz Ant1

-26dB Bandwidth NVNT ax40 52@37 5230MHz Ant1

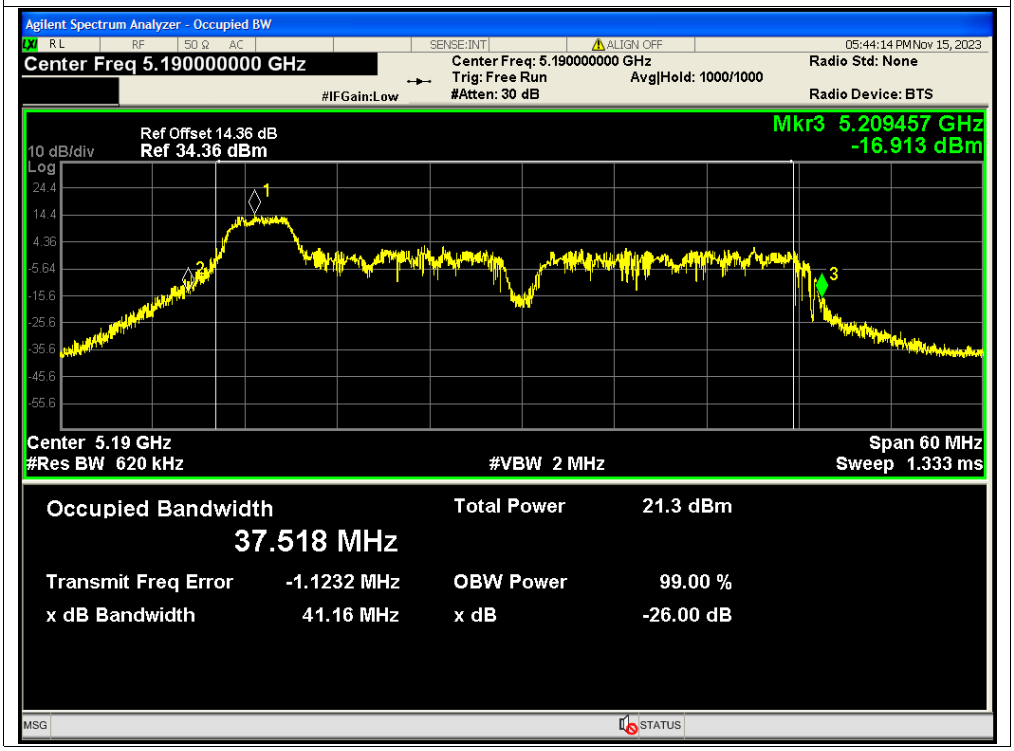
-26dB Bandwidth NVNT ax40 52@37 5190MHz Ant2



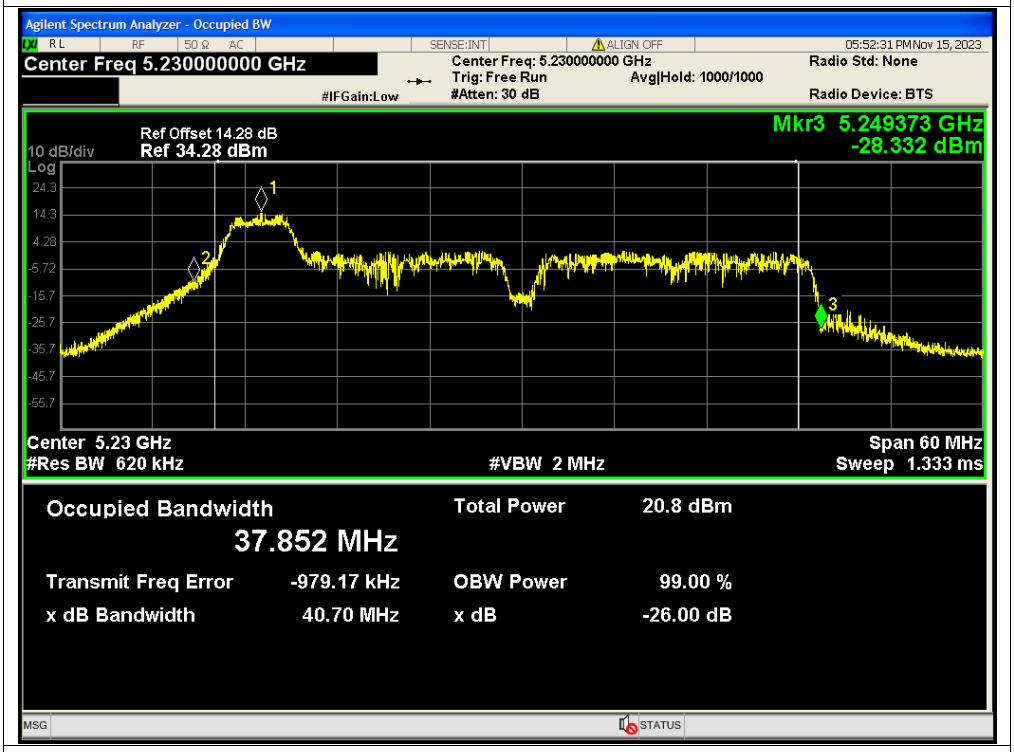
-26dB Bandwidth NVNT ax40 52@37 5230MHz Ant2

-26dB Bandwidth NVNT ax40 52@37 5190MHz Ant1

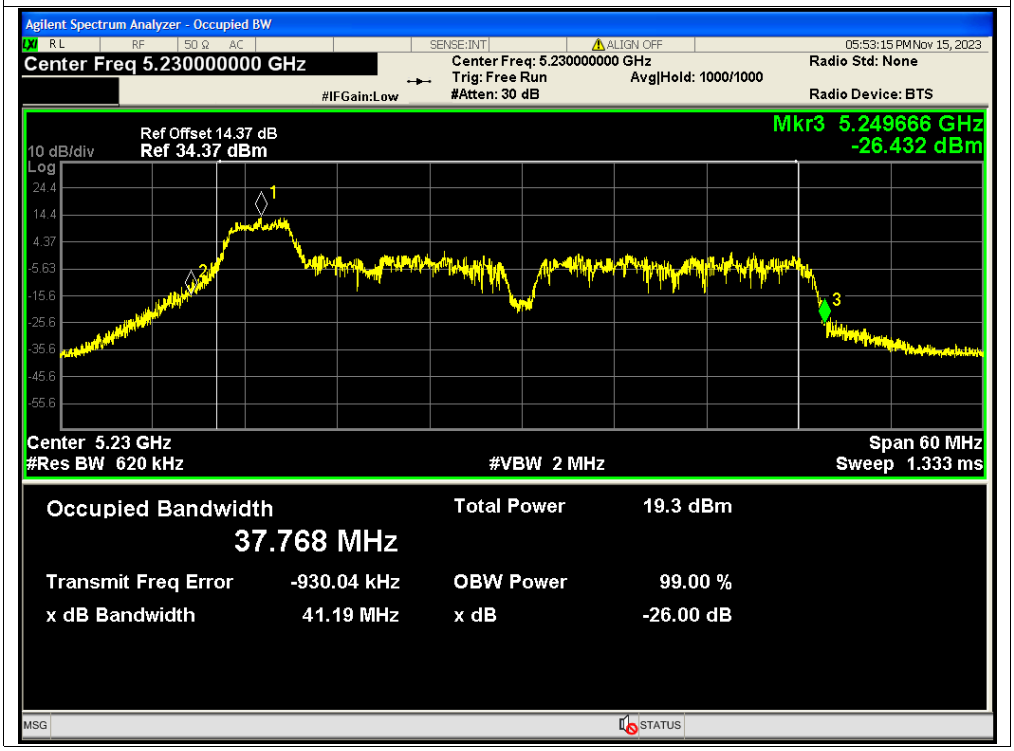
-26dB Bandwidth NVNT ax40 52@37 5190MHz Ant2



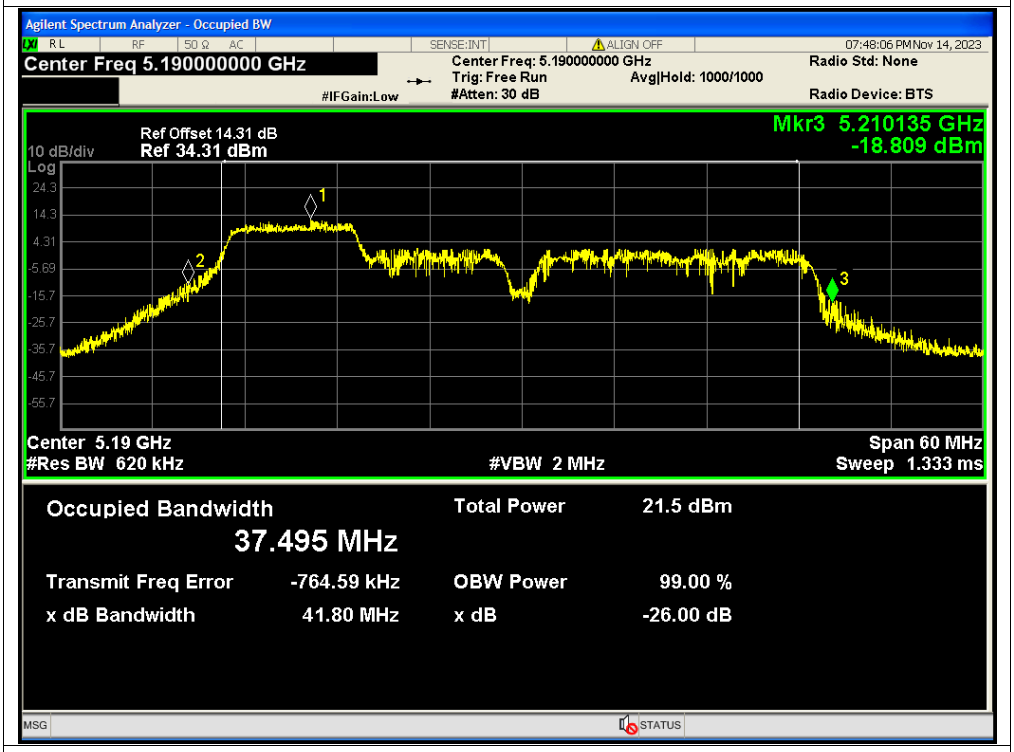
-26dB Bandwidth NVNT ax40 52@37 5230MHz Ant1



-26dB Bandwidth NVNT ax40 52@37 5230MHz Ant2

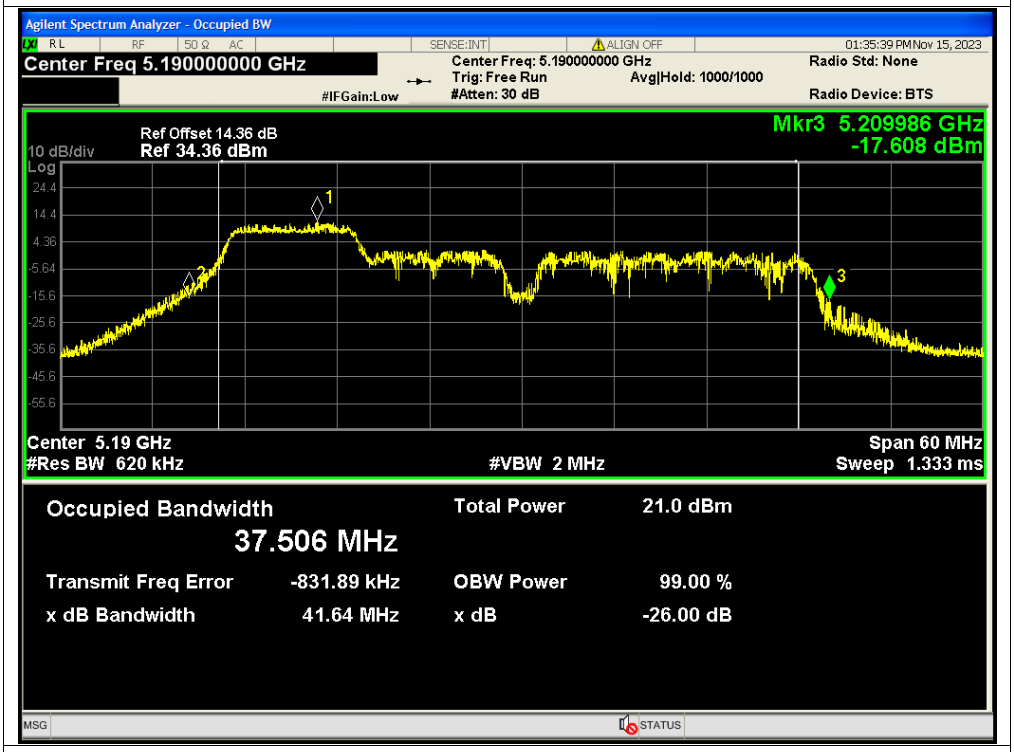


-26dB Bandwidth NVNT ax40 106@53 5190MHz Ant1

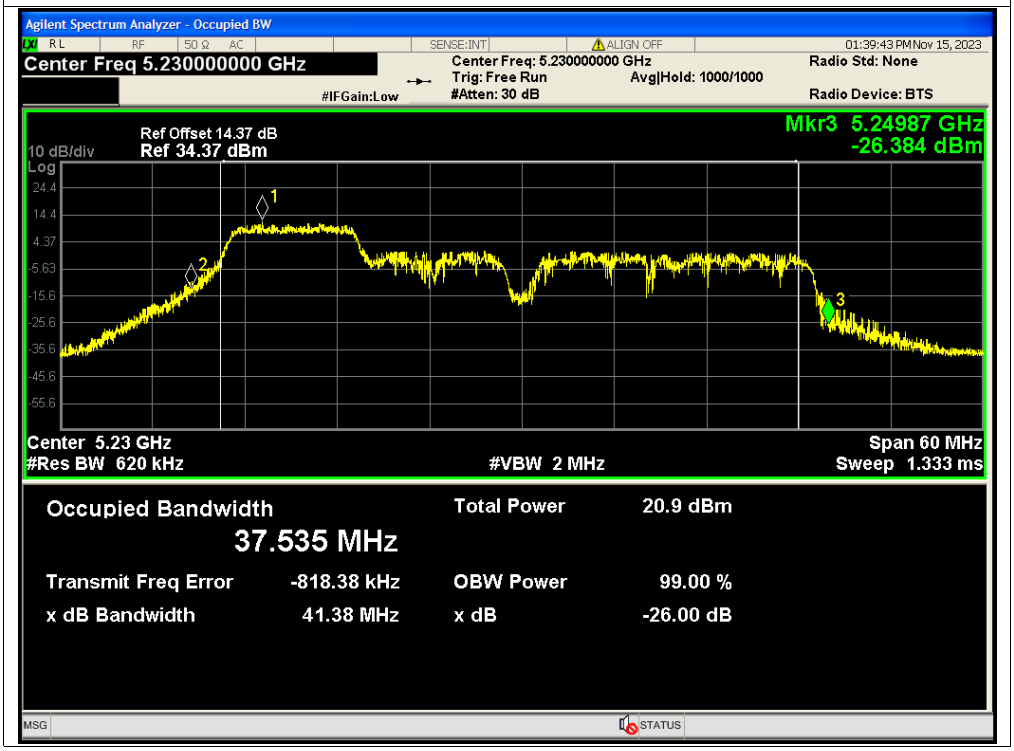


-26dB Bandwidth NVNT ax40 106@53 5230MHz Ant1

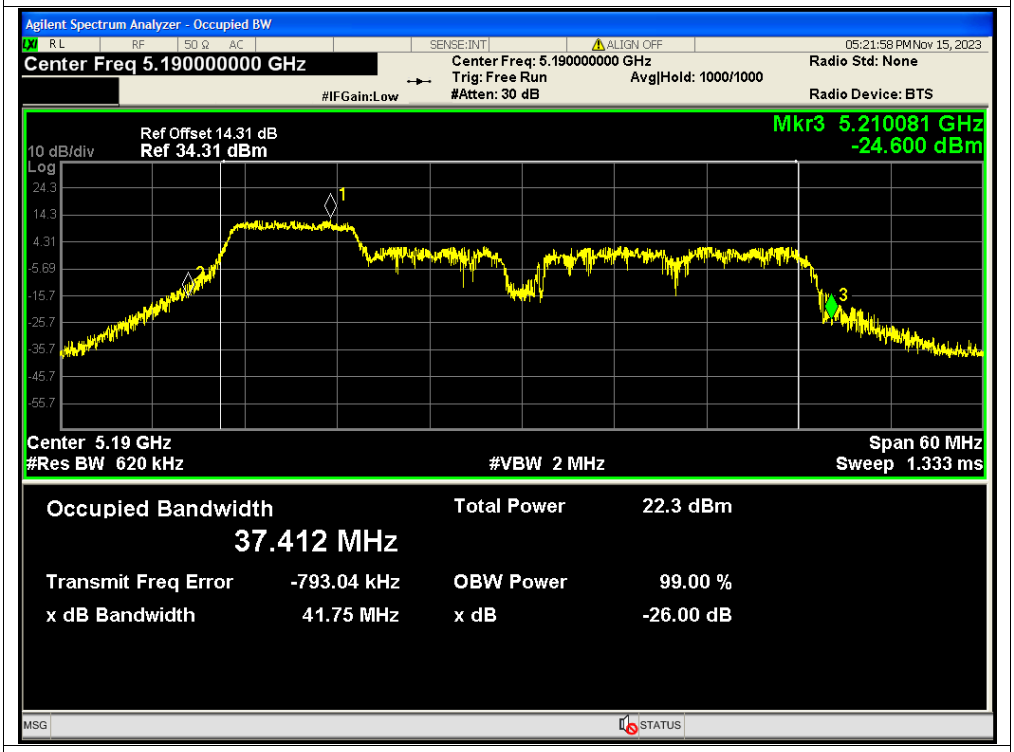
-26dB Bandwidth NVNT ax40 106@53 5190MHz Ant2



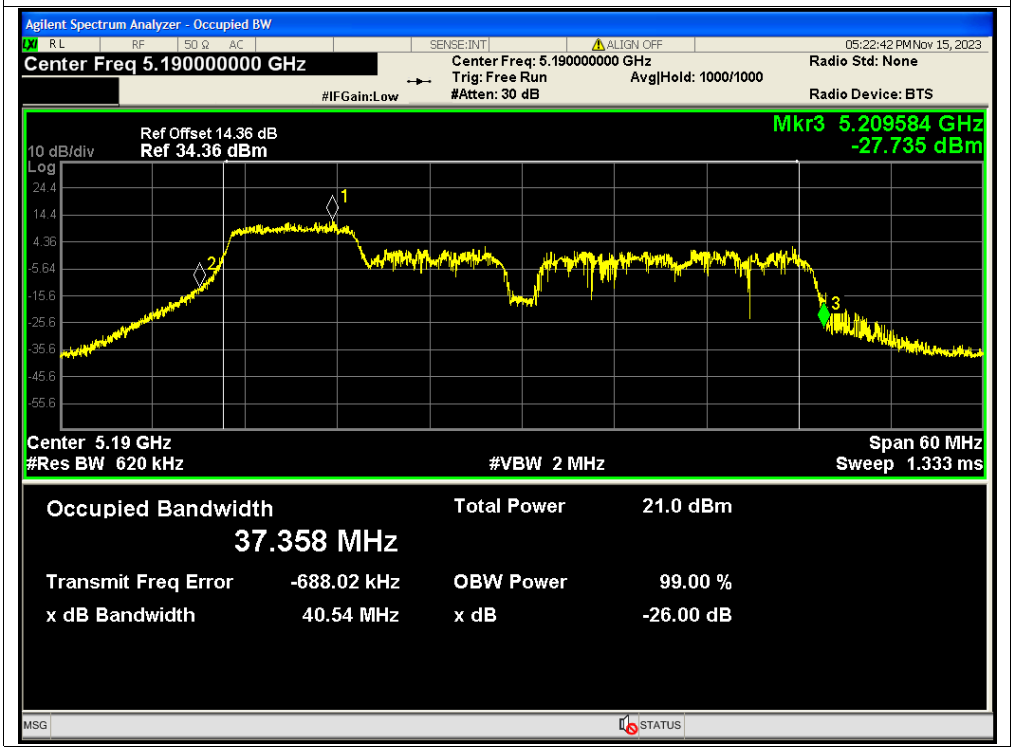
-26dB Bandwidth NVNT ax40 106@53 5230MHz Ant2



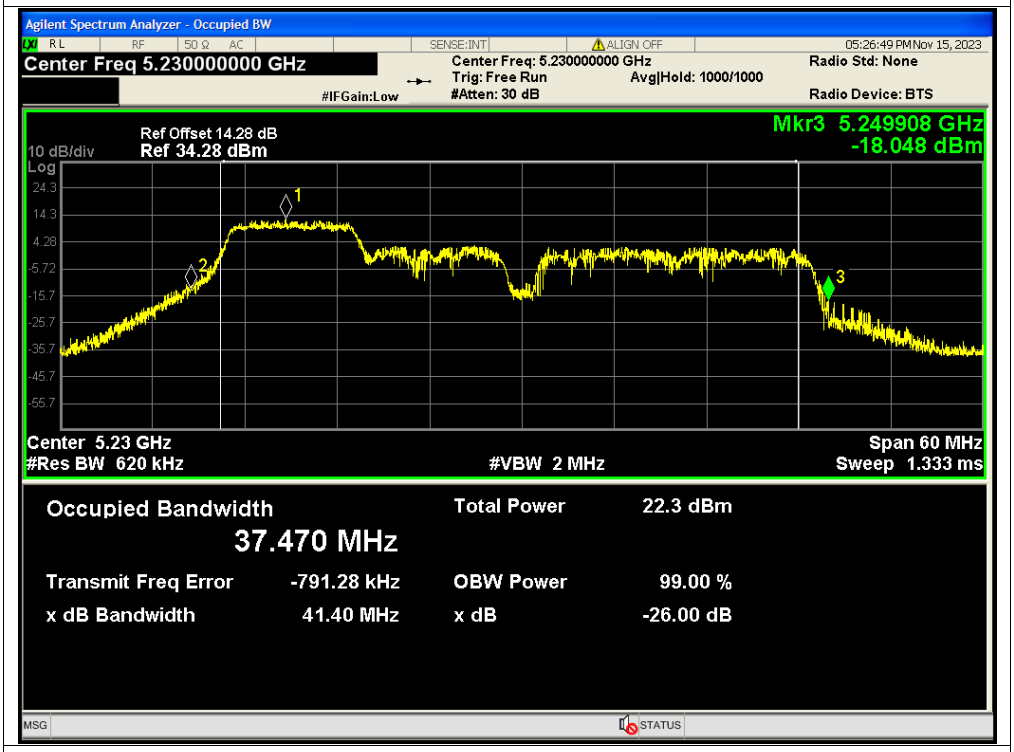
-26dB Bandwidth NVNT ax40 106@53 5190MHz Ant1



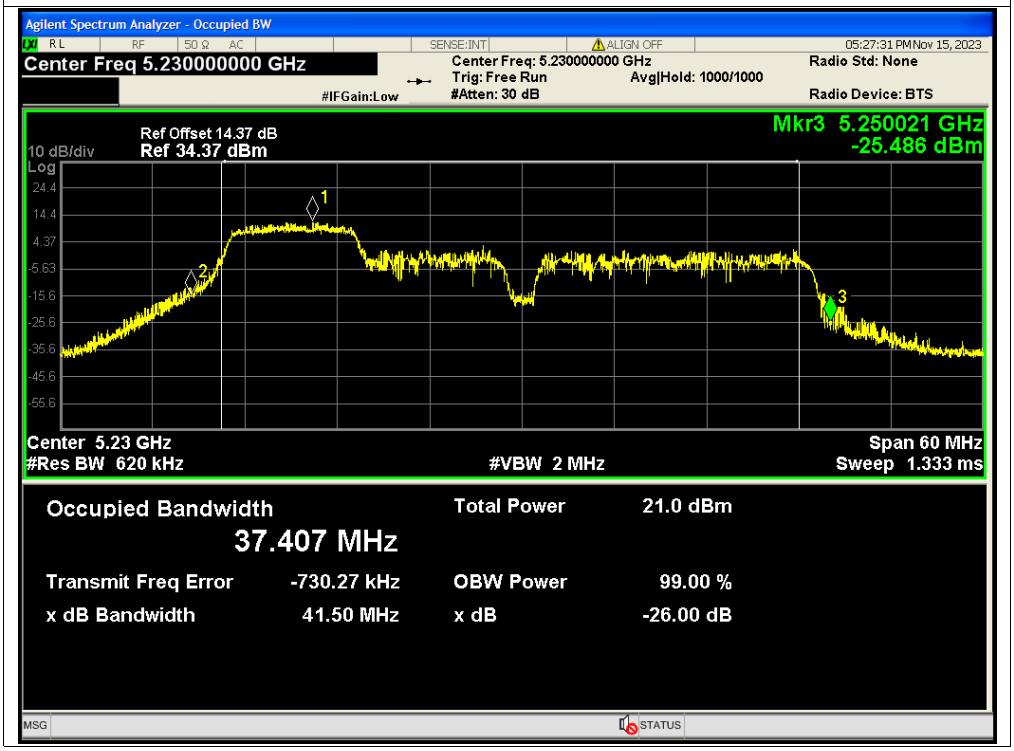
-26dB Bandwidth NVNT ax40 106@53 5190MHz Ant2



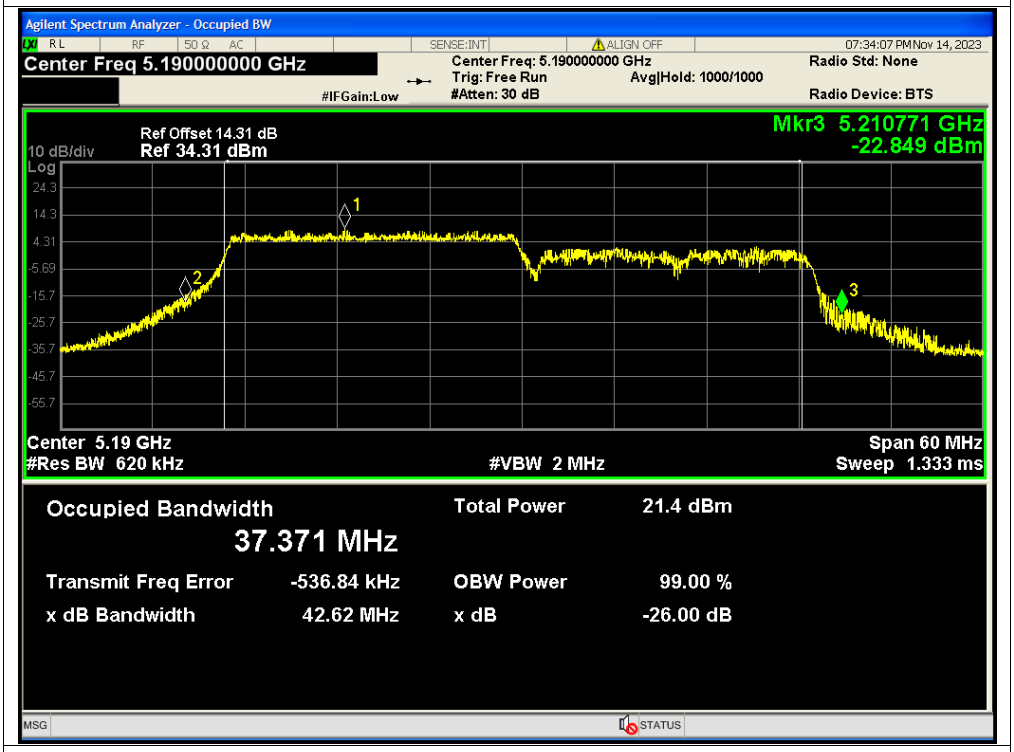
-26dB Bandwidth NVNT ax40 106@53 5230MHz Ant1



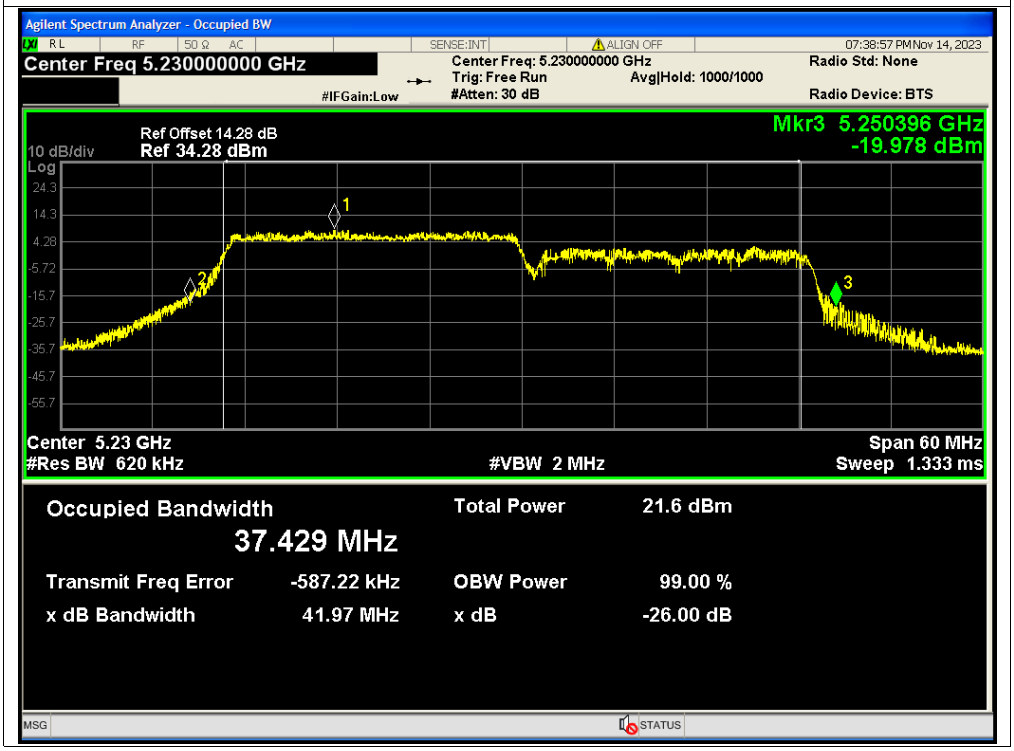
-26dB Bandwidth NVNT ax40 106@53 5230MHz Ant2



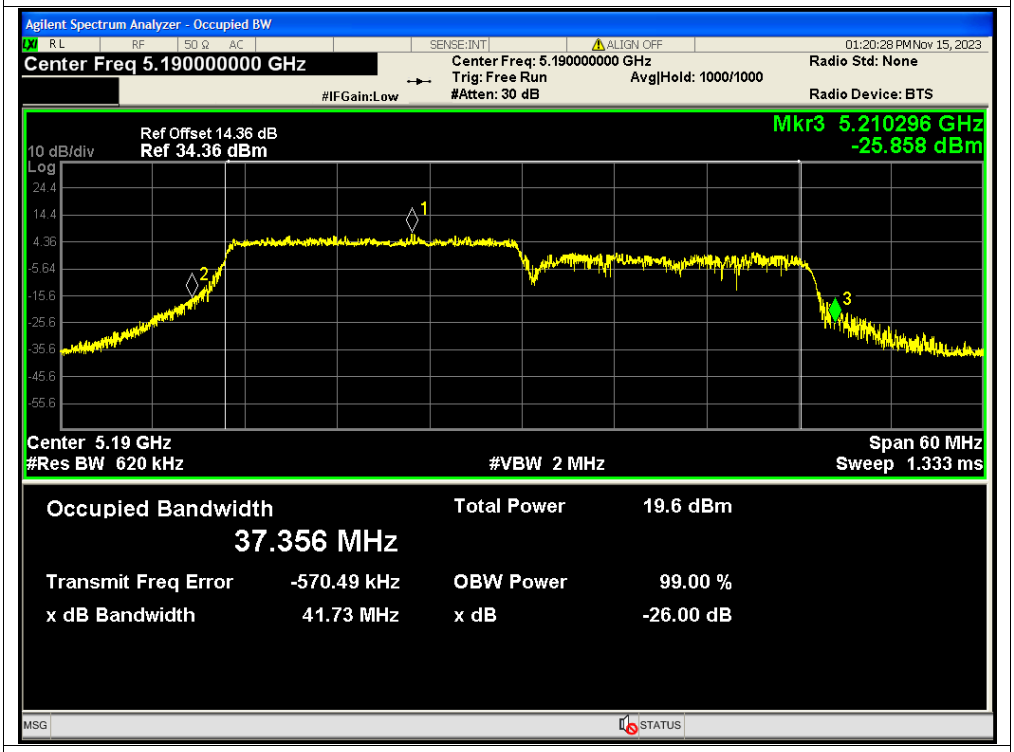
-26dB Bandwidth NVNT ax40 242@61 5190MHz Ant1



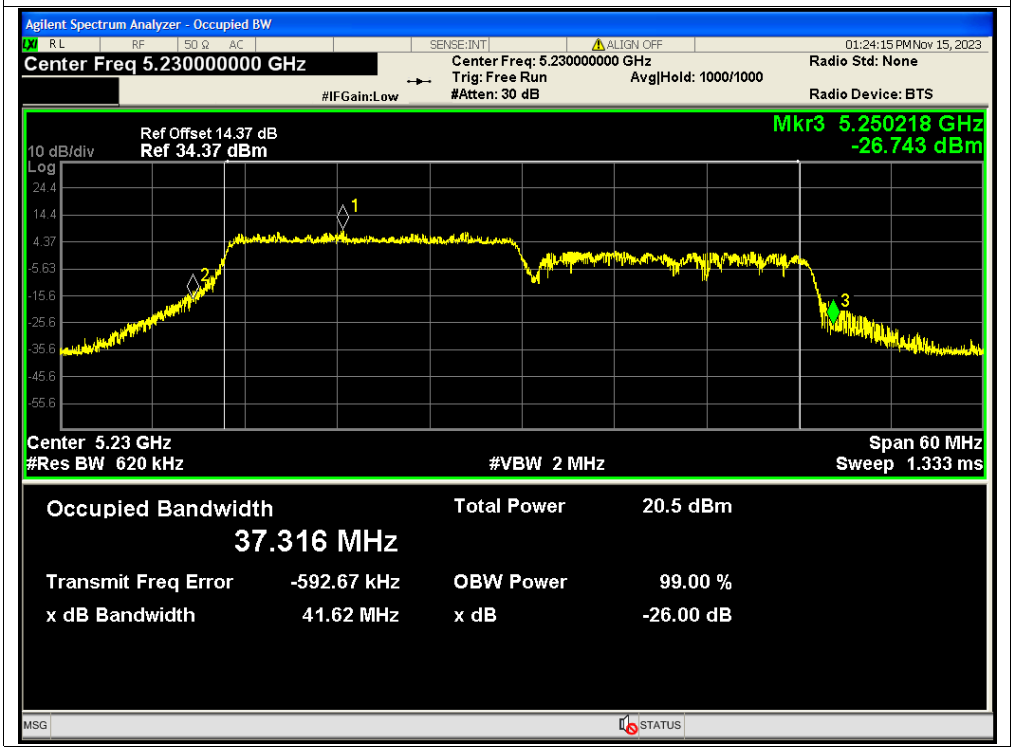
-26dB Bandwidth NVNT ax40 242@61 5230MHz Ant1



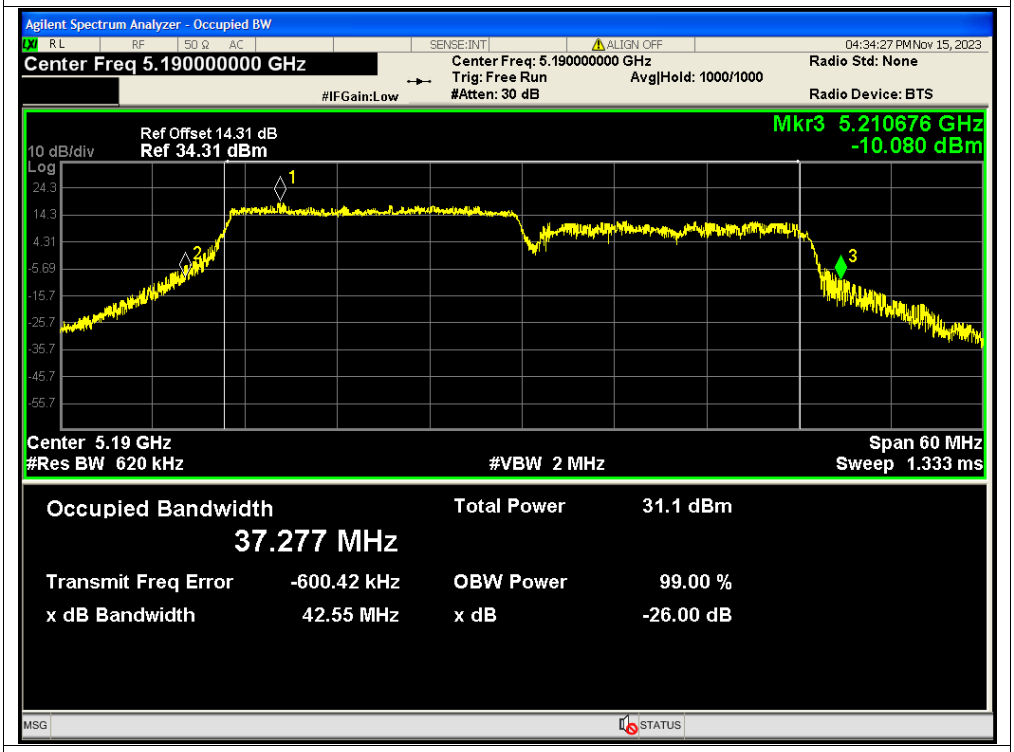
-26dB Bandwidth NVNT ax40 242@61 5190MHz Ant2



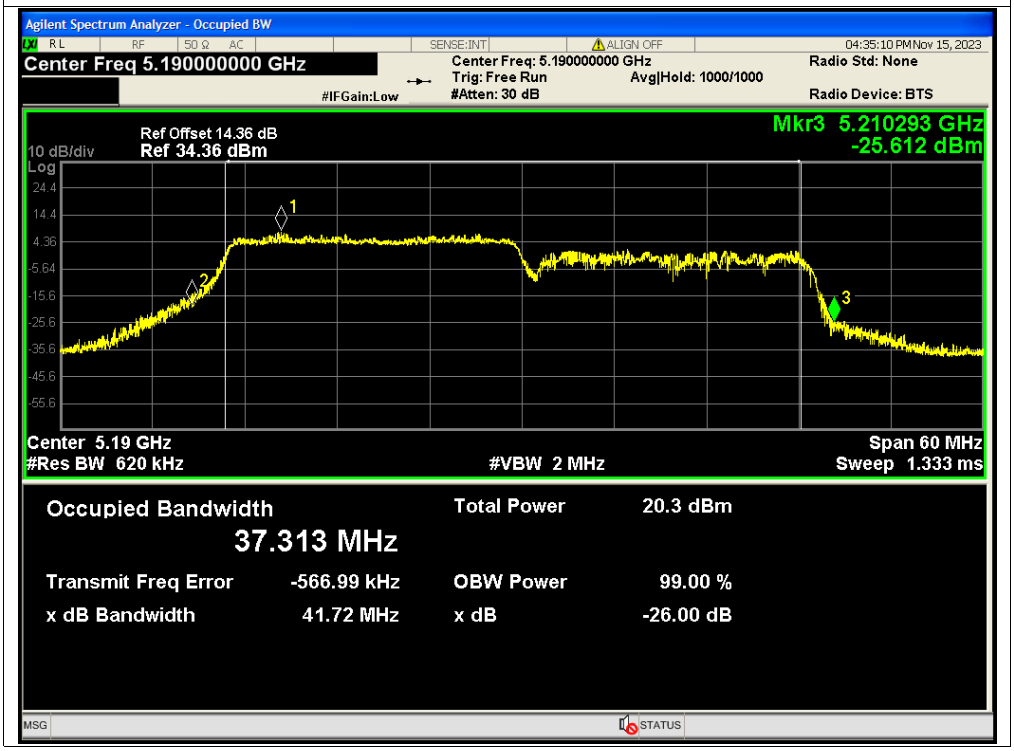
-26dB Bandwidth NVNT ax40 242@61 5230MHz Ant2



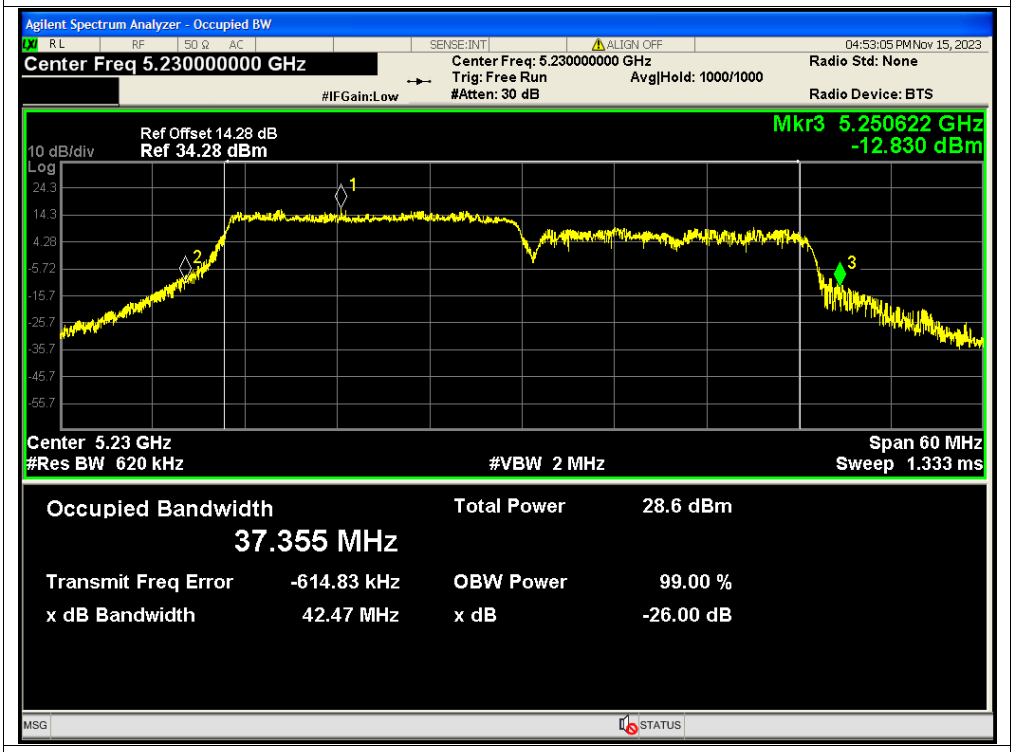
-26dB Bandwidth NVNT ax40 242@61 5190MHz Ant1



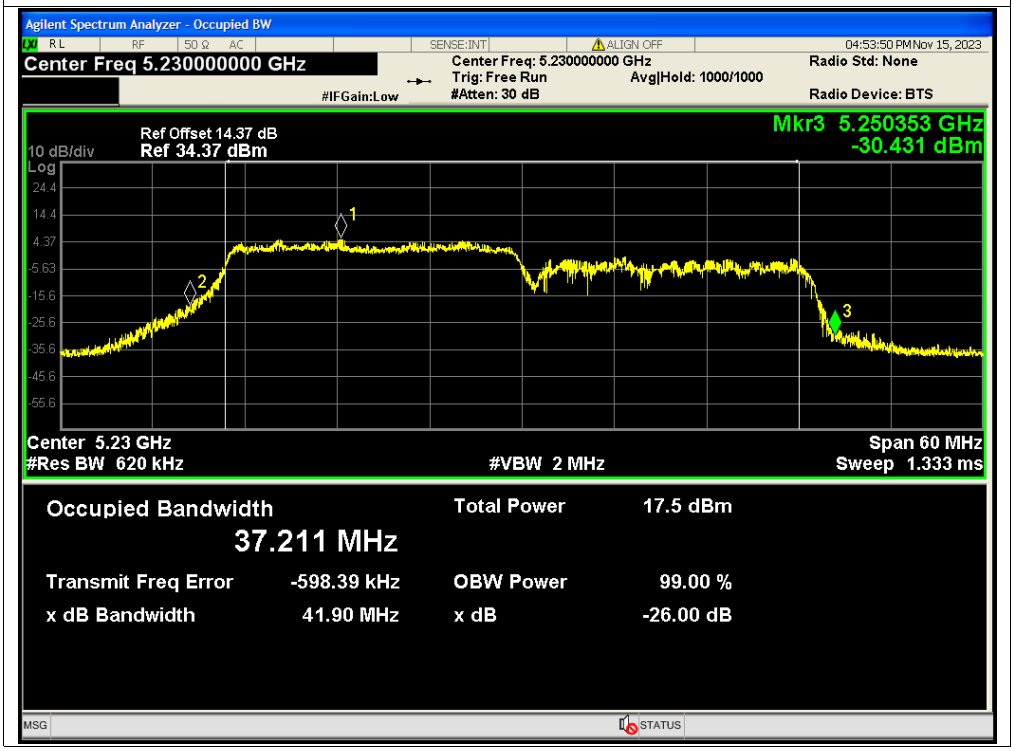
-26dB Bandwidth NVNT ax40 242@61 5190MHz Ant2



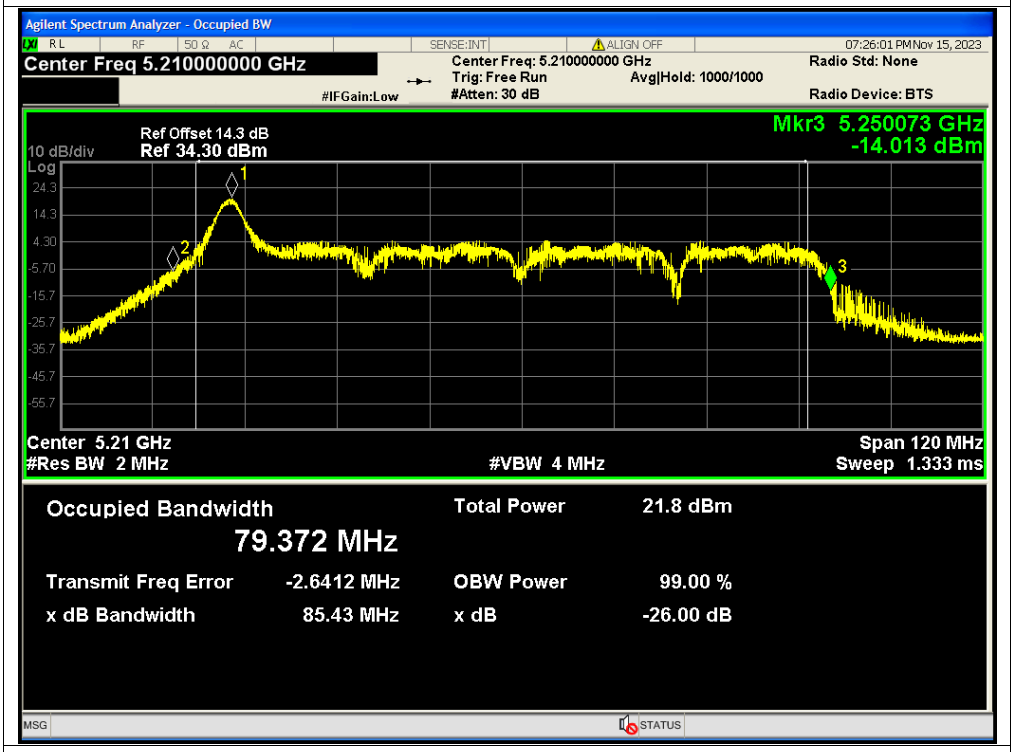
-26dB Bandwidth NVNT ax40 242@61 5230MHz Ant1



-26dB Bandwidth NVNT ax40 242@61 5230MHz Ant2



-26dB Bandwidth NVNT ax80 26@0 5210MHz Ant1



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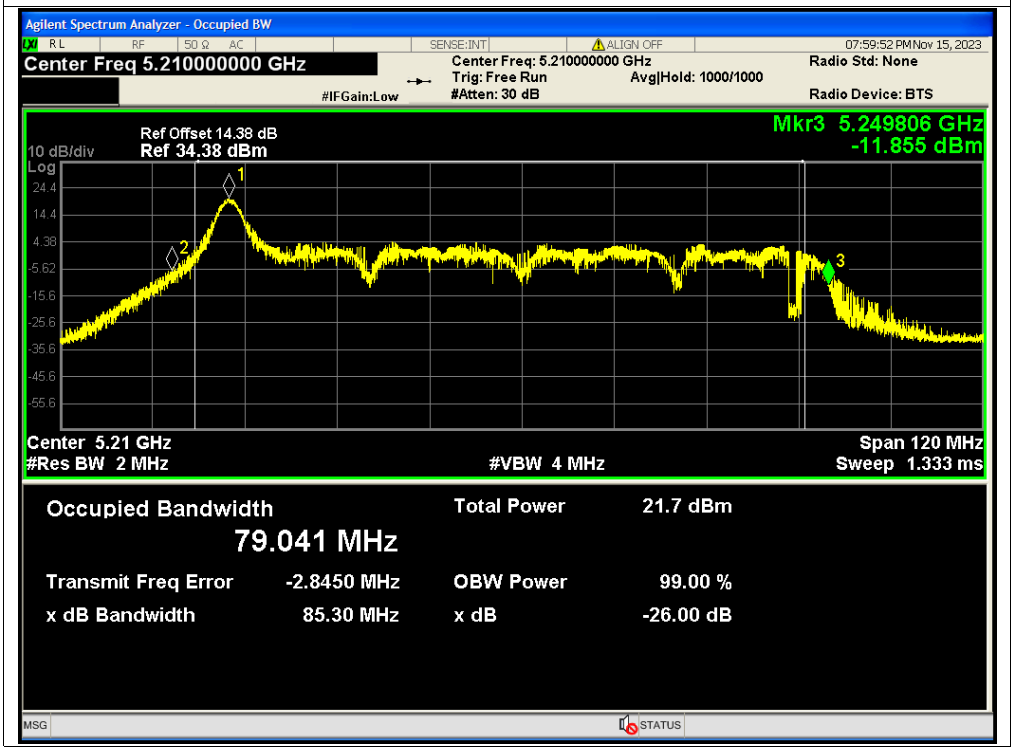
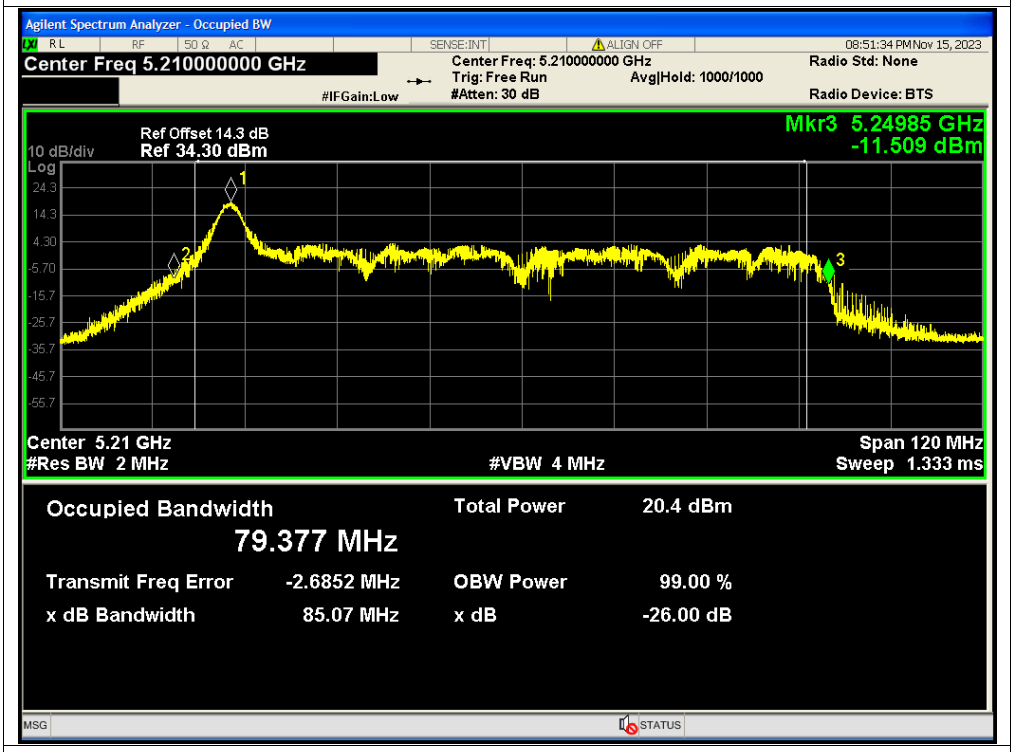
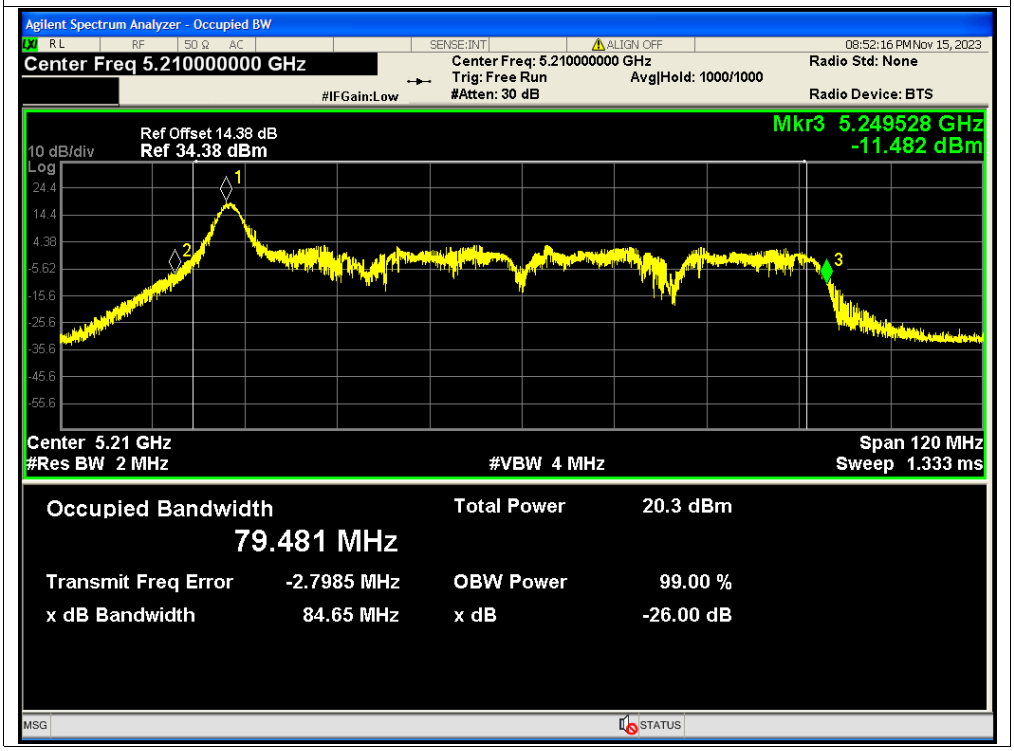


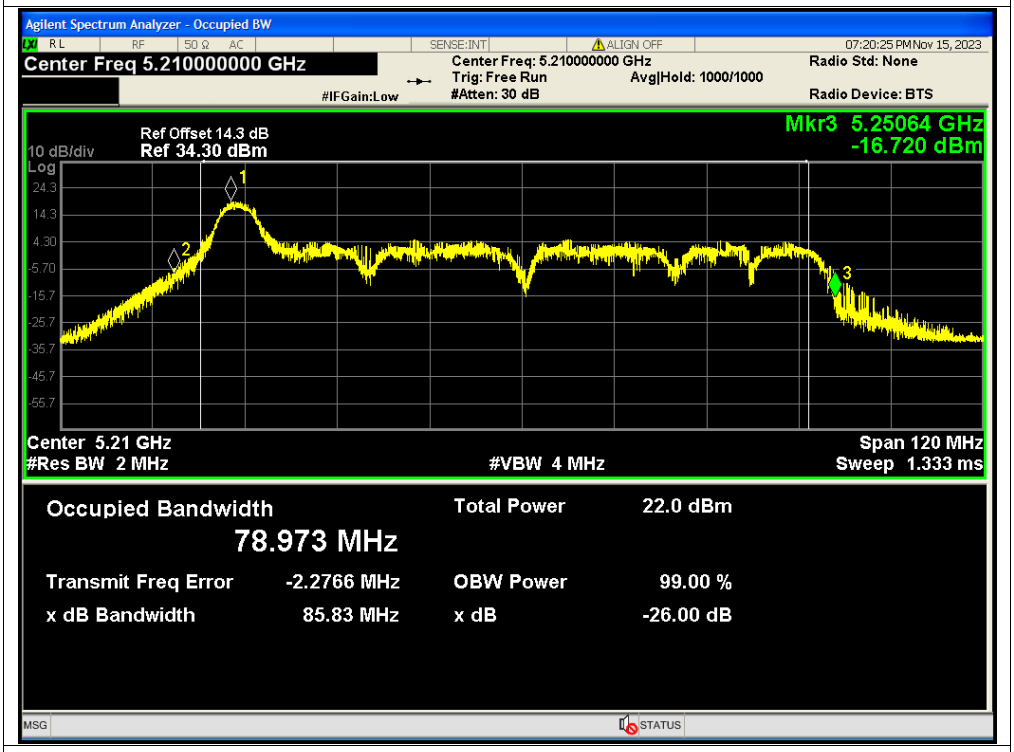
-26dB Bandwidth NVNT ax80 26@0 5210MHz Ant1



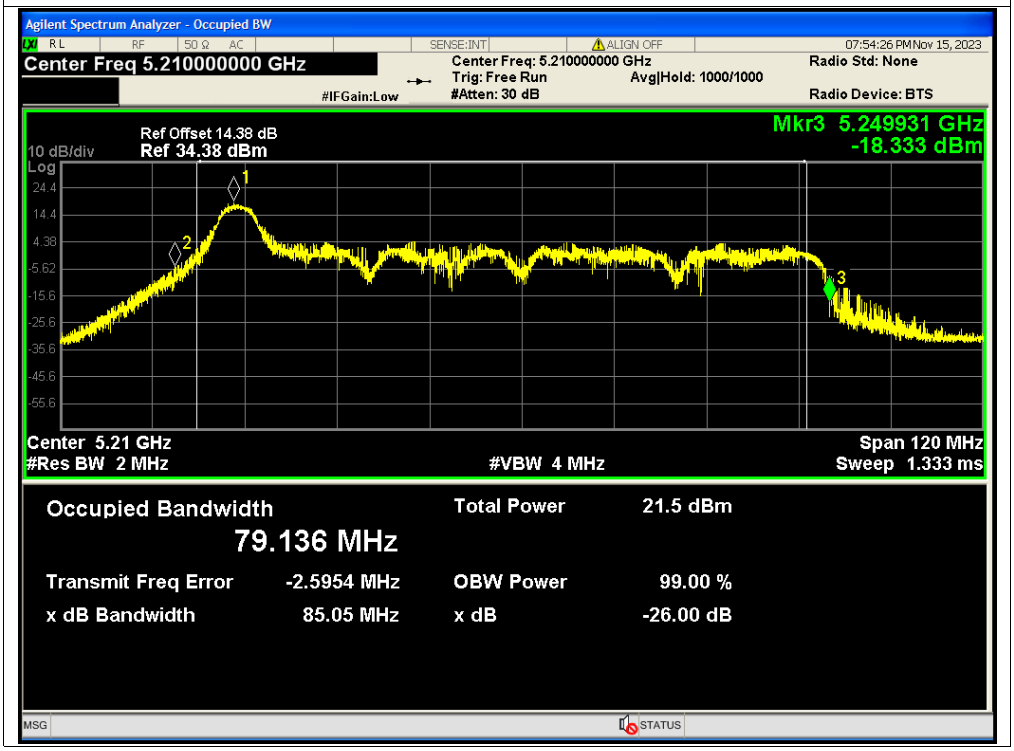
-26dB Bandwidth NVNT ax80 26@0 5210MHz Ant2



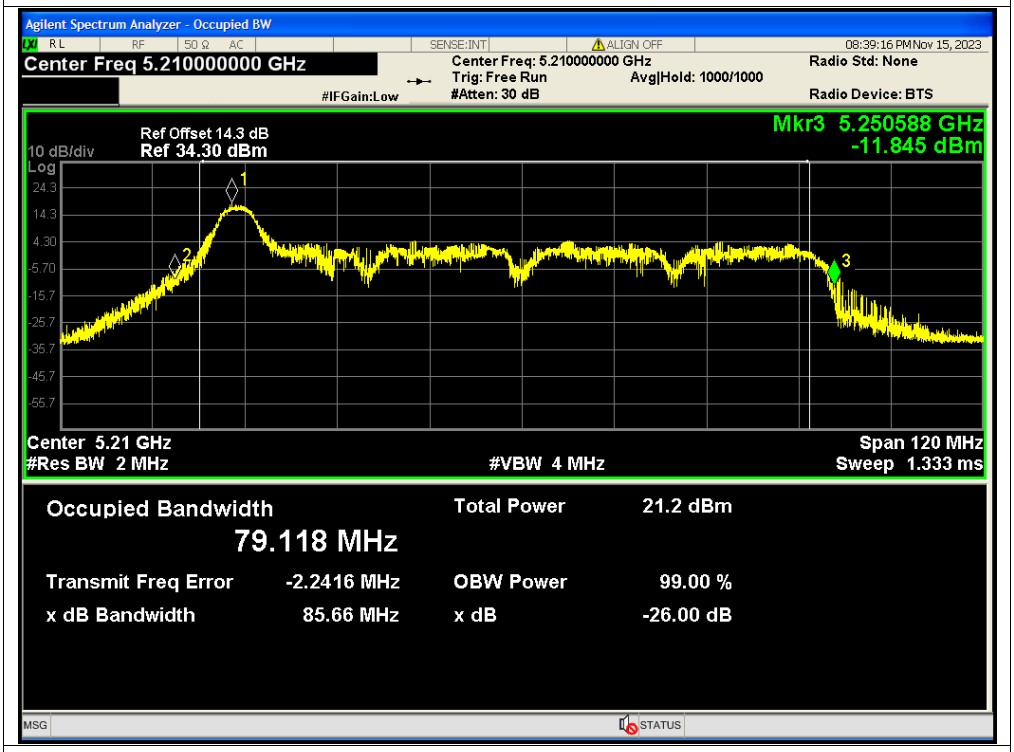
-26dB Bandwidth NVNT ax80 52@37 5210MHz Ant1



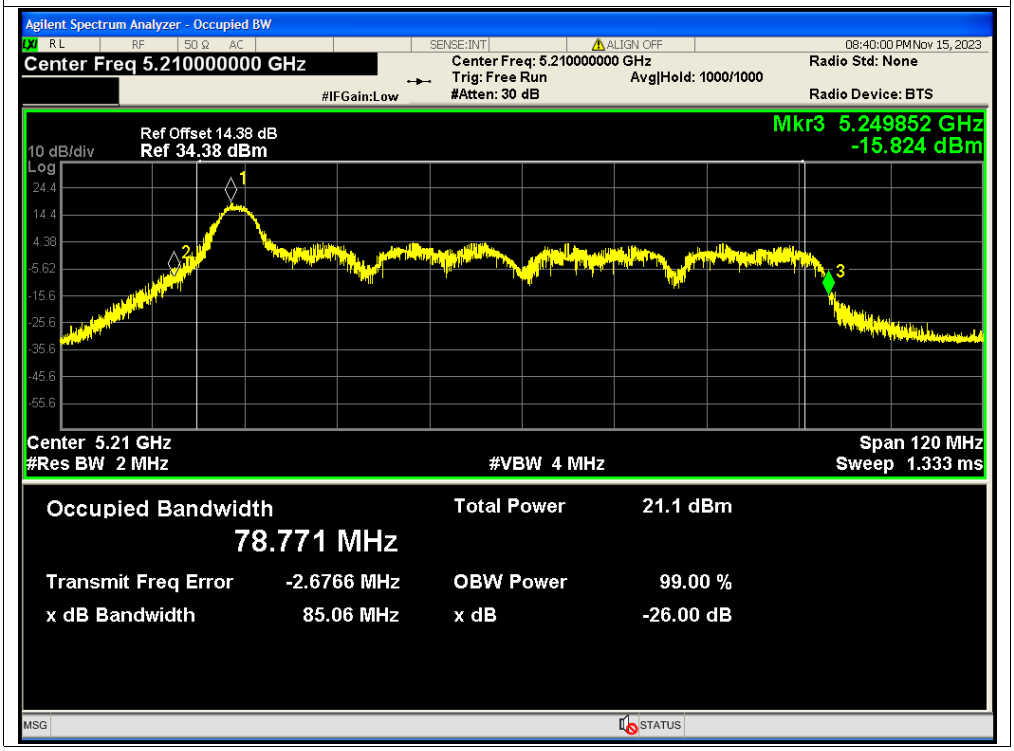
-26dB Bandwidth NVNT ax80 52@37 5210MHz Ant2



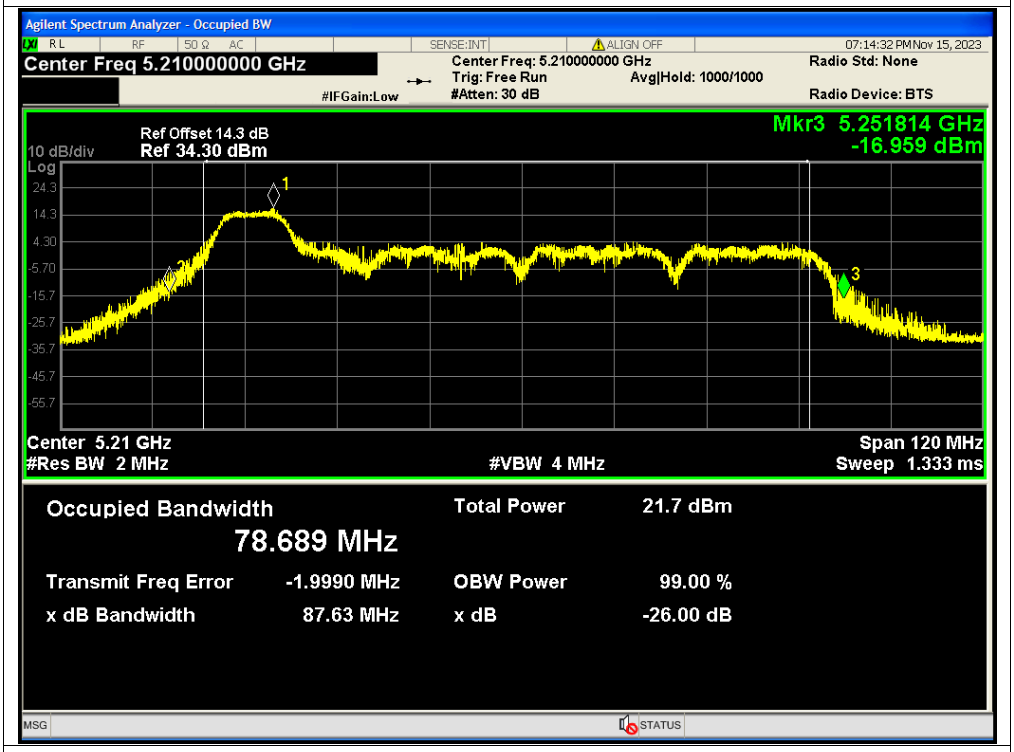
-26dB Bandwidth NVNT ax80 52@37 5210MHz Ant1



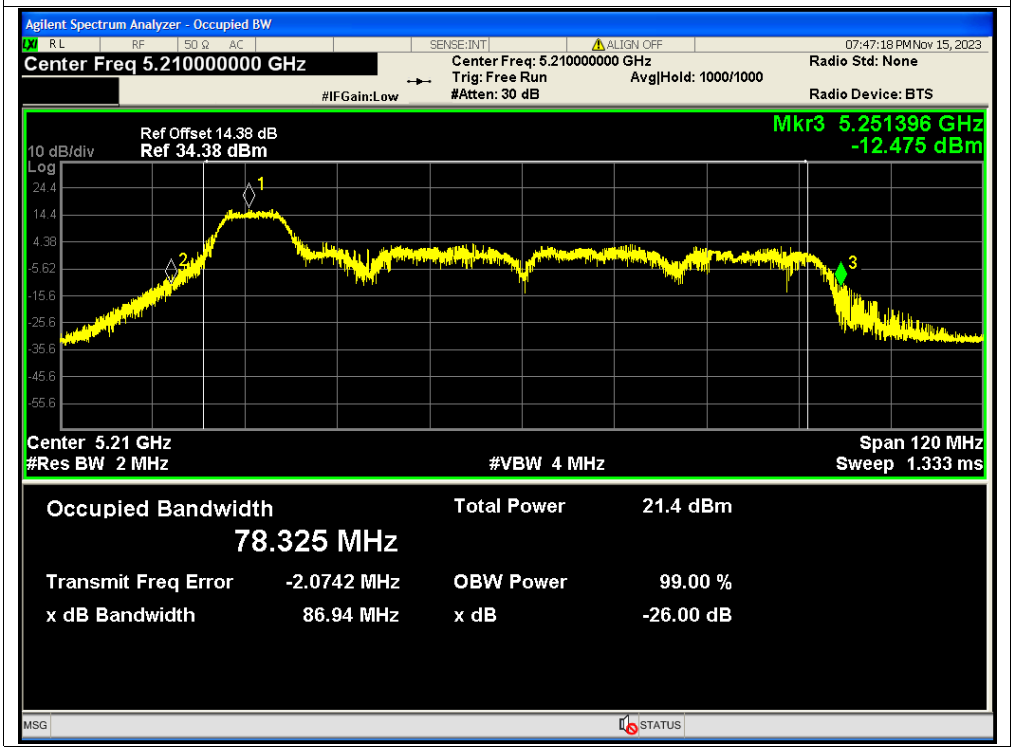
-26dB Bandwidth NVNT ax80 52@37 5210MHz Ant2



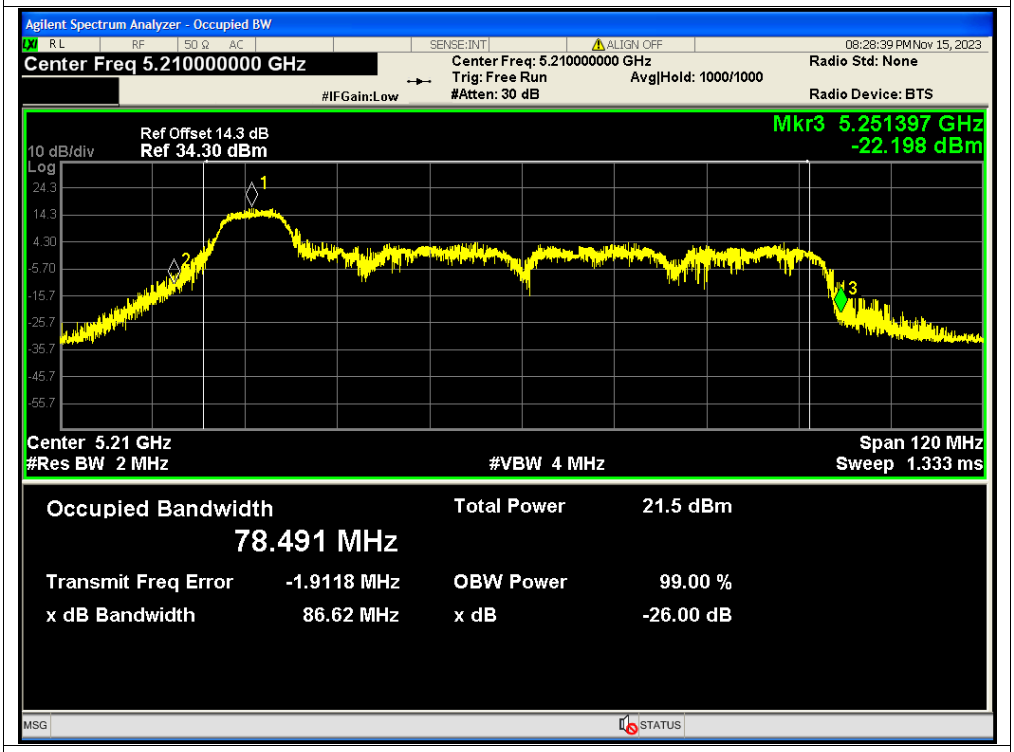
-26dB Bandwidth NVNT ax80 106@53 5210MHz Ant1



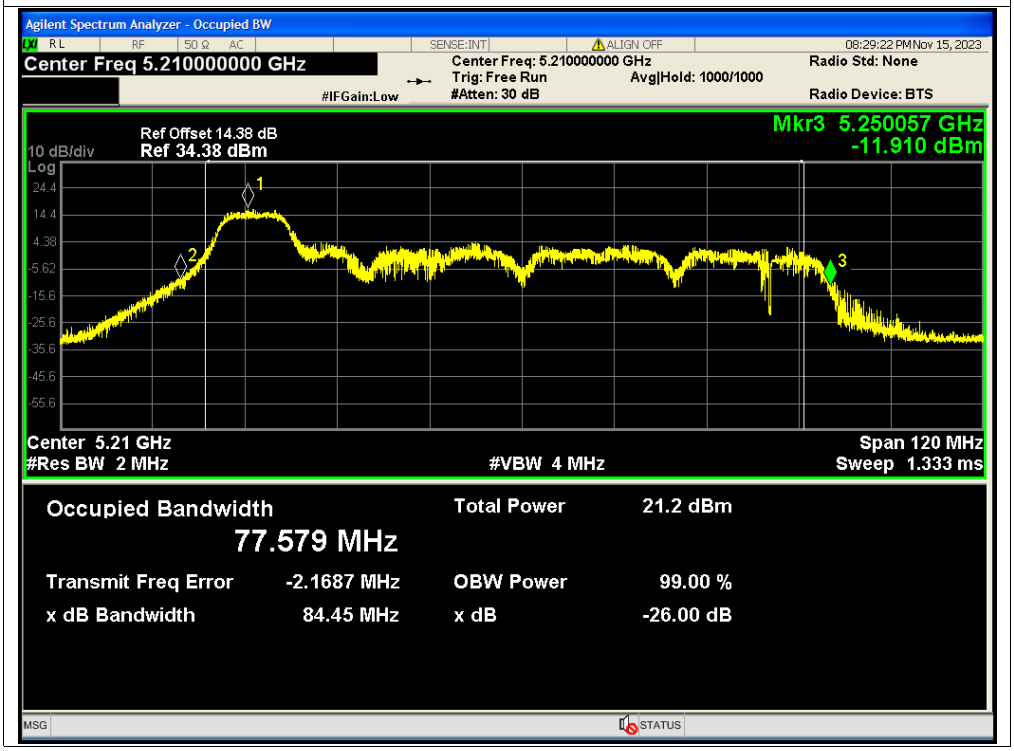
-26dB Bandwidth NVNT ax80 106@53 5210MHz Ant2



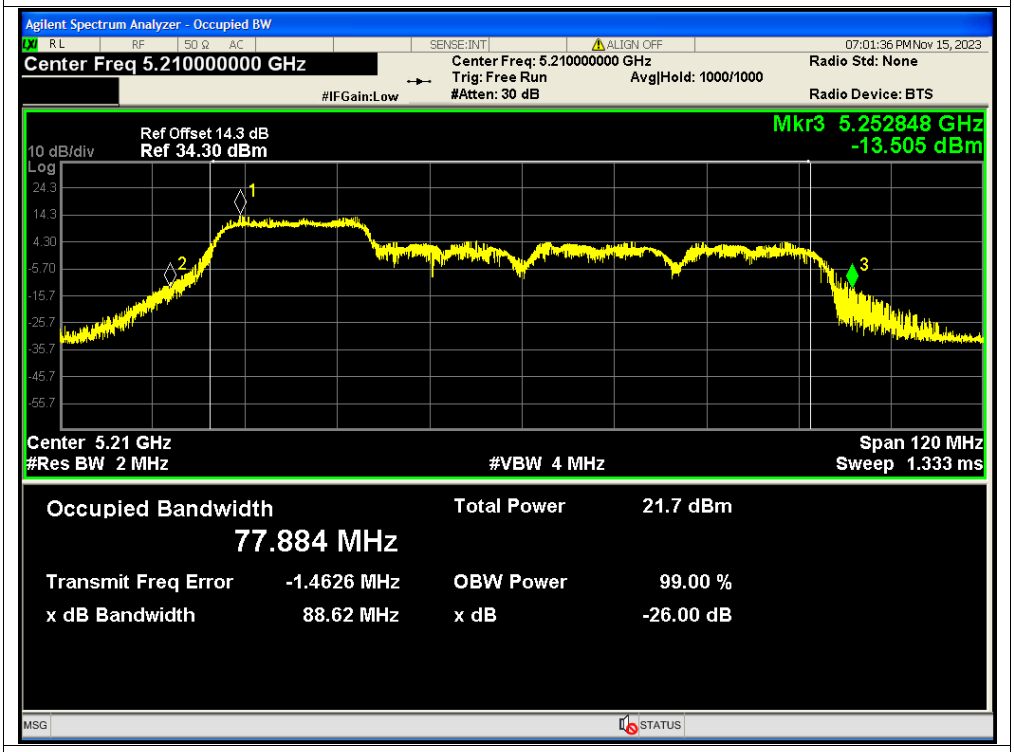
-26dB Bandwidth NVNT ax80 106@53 5210MHz Ant1



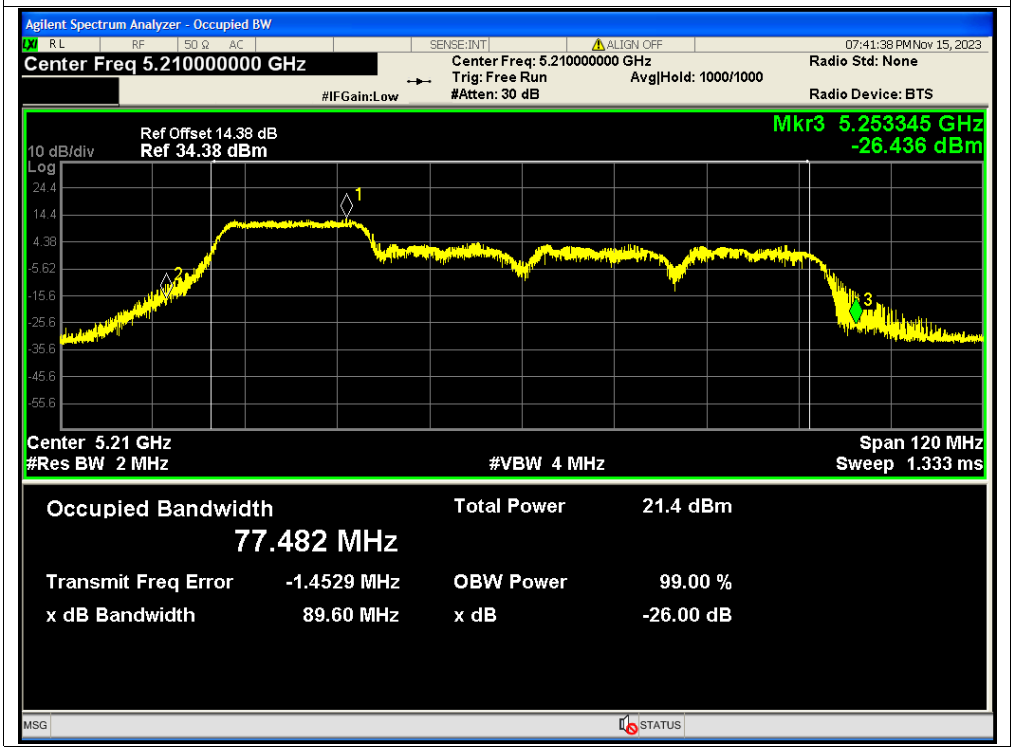
-26dB Bandwidth NVNT ax80 106@53 5210MHz Ant2



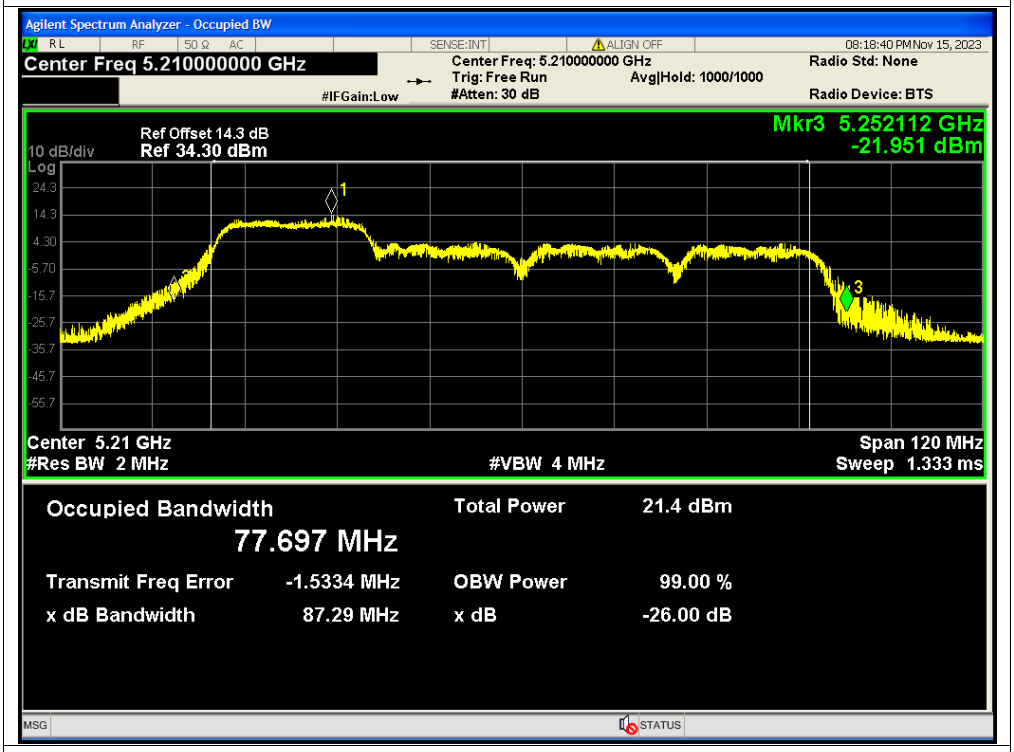
-26dB Bandwidth NVNT ax80 242@61 5210MHz Ant1



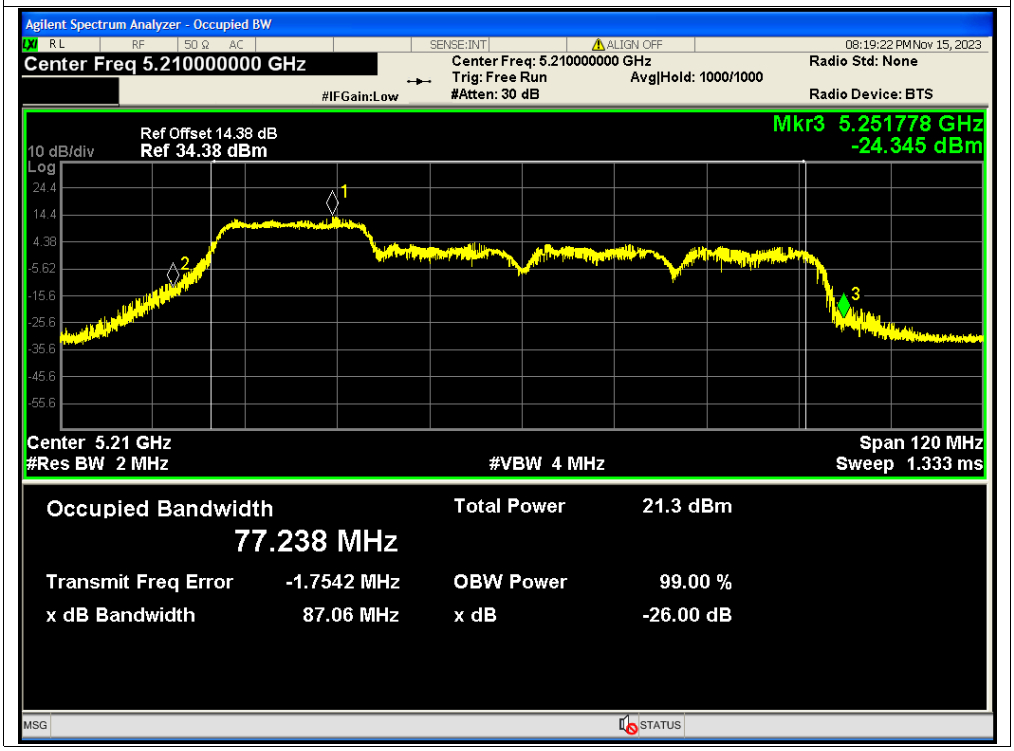
-26dB Bandwidth NVNT ax80 242@61 5210MHz Ant2



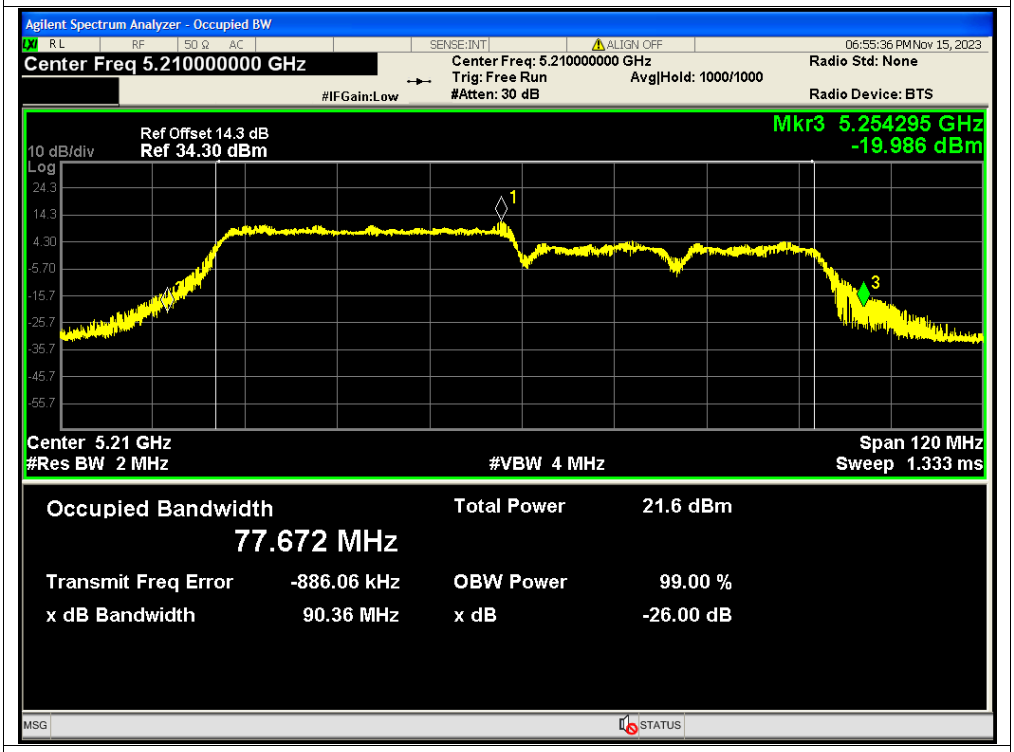
-26dB Bandwidth NVNT ax80 242@61 5210MHz Ant1



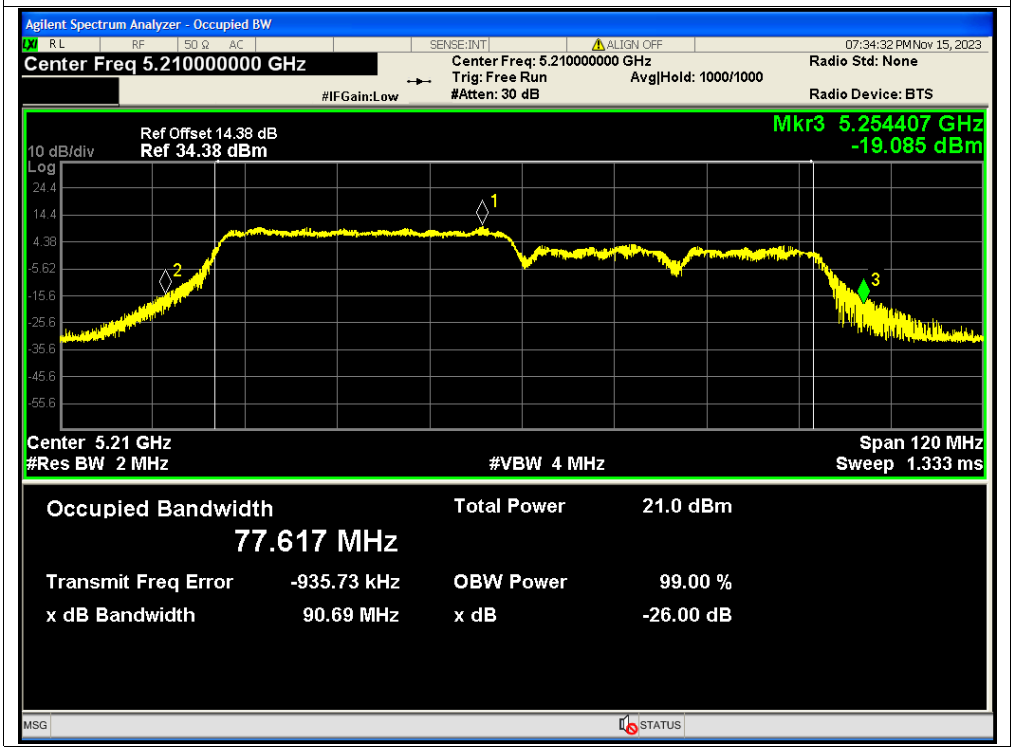
-26dB Bandwidth NVNT ax80 242@61 5210MHz Ant2



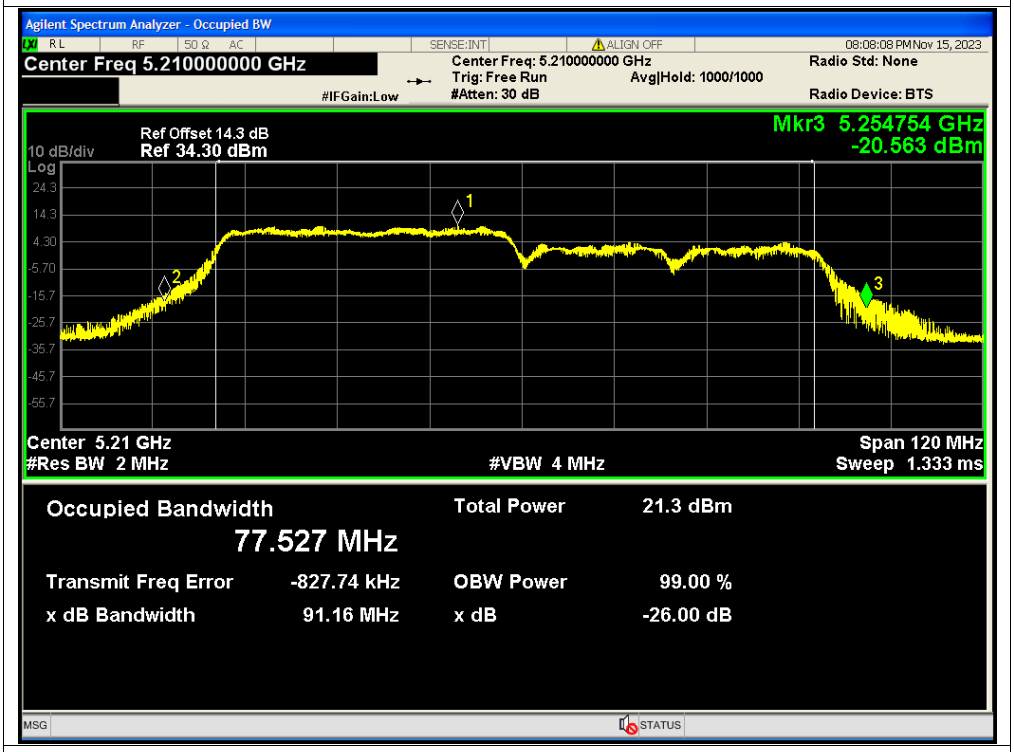
-26dB Bandwidth NVNT ax80 484@65 5210MHz Ant1



-26dB Bandwidth NVNT ax80 484@65 5210MHz Ant2



-26dB Bandwidth NVNT ax80 484@65 5210MHz Ant1



-26dB Bandwidth NVNT ax80 484@65 5210MHz Ant2