REPORT No.: SZ23040391W04

TEST REPORT

APPLICANT	:	Reliance Communications LLC
PRODUCT NAME	:	Orbic Trophy 5G UW
MODEL NAME	:	R667L5U
BRAND NAME	:	Orbic
FCC ID	:	2ABGH-R667L5U
STANDARD(S)	:	47 CFR Part 15 Subpart E
RECEIPT DATE	:	2023-11-07
TEST DATE	:	2023-11-20 to 2024-02-19
ISSUE DATE	:	2024-04-22

Edited by: Zeng Xiaoying (Rapporteur)

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DIRECTORY

Change History		
Version	**Date**	**Reason for change**
1.0	2024-04-22	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. 28, 2023 Dec. 28, 2023	He Yuyang	PASS	No deviation
3	15.407(a)	Maximum Conducted Output Power	Nov. 28, 2023 Dec. 28, 2023	He Yuyang	PASS	No deviation
4	15.407(a) (e)	Emission Bandwidth	Nov. 28, 2023 Dec. 28, 2023	He Yuyang	PASS	No deviation
5	15.407(a)	Peak Power Spectral Density	Nov. 28, 2023 Dec. 28, 2023	He Yuyang	PASS	No deviation
6	15.407(g)	Frequency Stability	Dec. 28, 2023	He Yuyang	PASS	No deviation
7	15.407(h)	DFS	Dec. 29, 2023	He Yuyang	PASS	No deviation
8	15.207	Conducted Emission	Jan. 03, 2024	Wang Deyong	PASS	No deviation
9	15.407(b)	Restricted Frequency Bands	Dec. 31, 2023 Jan. 17, 2024	Gao Jianrou	PASS	No deviation
10	15.407(b)	Radiated Emission	Jan. 03, 2024	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 Equipment

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 Equipment

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2023.02.09	2024.02.08
				2024.01.25	2024.01.24
LISN	8127449	NSLK 8127	Schwarzbeck	2023.02.21	2024.02.20
				2024.02.02	2025.02.01
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 Equipment

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	2023.07.01	2024.06.30
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2023.06.26	2024.06.25
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2023.07.01	2024.06.30
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2023.07.01	2024.06.30
Preamplifier (10MHz-6GHz)	46732	S10M100L3802	LUCIX CORP.	2023.06.27	2024.06.26
Preamplifier (2GHz-18GHz)	61171/61172	S020180L3203	LUCIX CORP.	2023.06.27	2024.06.26
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-2400-2483.5-60SS	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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Facsimile	+86 755 36698525
FCC Designation Number	CN1192
FCC Test Firm Registration Number	226174

2. General Description

2.1. Information of Applicant and Manufacturer

Applicant	Reliance Communications LLC
Applicant Address	555 Wireless Blvd. Hauppauge, NY 11788, USA
Manufacturer	Unimaxcomm
Manufacturer Address	35F,HBC HuiLong Center Building-II Minzhi Street,Longhua, Shenzhen, P.R. China 518110

2.2. Information of EUT

Product Name:	Orbic Trophy 5G UW	
Sample No.:	2#	
Hardware Version:	V1.0	
Software Version:	R667L5U_v1.1.2_BVZ	
Modulation Technology:	OFDM	
Modulation Mode:	802.11a, 802.11n (HT20), 802.11n (HT40) 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80)	
Operating Frequency Range:	5180MHz-5240MHz; 5260MHz-5320MHz; 5500MHz-5720MHz; 5745MHz-5825MHz	
Antenna Type:	PIFA Antenna	
Antenna Gain:	ANT 8: 0.48dBi; ANT 9: -0.1dBi	
Directional Gain:	3.21dBi Note 2	
Accessory Information:	Battery	
	Brand Name:	Shenbird
	Model No.:	BTE-5003
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.89V
	Charge Limit:	4.48V
	Manufacturer:	Shenbird New Energy (Huizhou) Co., Ltd.

Accessory Information:	AC Adapter	
	Brand Name:	Orbic
	Model No.:	OACH023US1
	Serial No.:	N/A
	Rated Input:	5V⎓3A, 9V⎓2A, 12V⎓1.5A
	Rated Output:	100-240V~50/60Hz,0.5A
	Manufacturer 1:	WATAI ELECTRONICS PRIVATE LIMITED
	Manufacturer 2:	KANGYIN ELECTRONIC TECHNOLOGY CO.,LTD
	USB Cable	
	Model No.:	HX-YLMK-06
	Manufacturer:	HUIZHOU WASHIN ELECTRONICS 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

Note 2: According to KDB 662911 D01, the directional gain = $10\log[(10^{G0/20}+10^{G1/20})^2/2]$ = 3.21dBi.

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 9) 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-2A) 5260MHz-5320MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	**52**	**5260**	56	5280
	60	**5300**	**64**	**5320**
40MHz	**54**	**5270**	**62**	**5310**
80MHz	**58**	**5290**		
(U-NII-2C) 5500MHz-5720MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	**100**	**5500**	105	5520
	108	5540	112	5560
	116	5580	**120**	**5600**
	124	5620	128	5640
	132	5660	136	5680
	140	5700	**144**	**5720**
40MHz	**102**	**5510**	110	5550
	118	5590	**126**	**5630**
	134	5670	**142**	**5710**
80MHz	**106**	**5530**	**122**	**5610**
	138	**5690**		
(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	**BPSK**	**6**/9/12/18/24/36/48/54 Mbps	N/A
			QPSK		
			16QAM		
			64QAM		
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		

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.

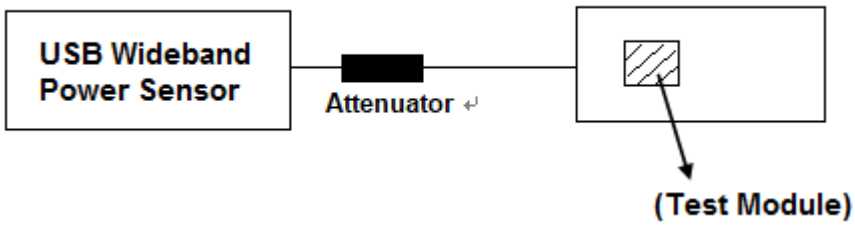
2.5. Test Conditions

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

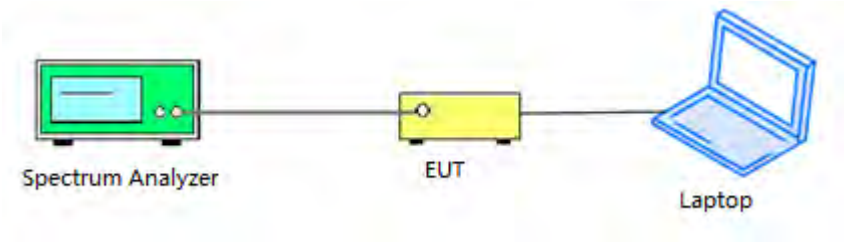
2.6. Test Setup Layout Diagram

2.6.1.Conducted Measurement

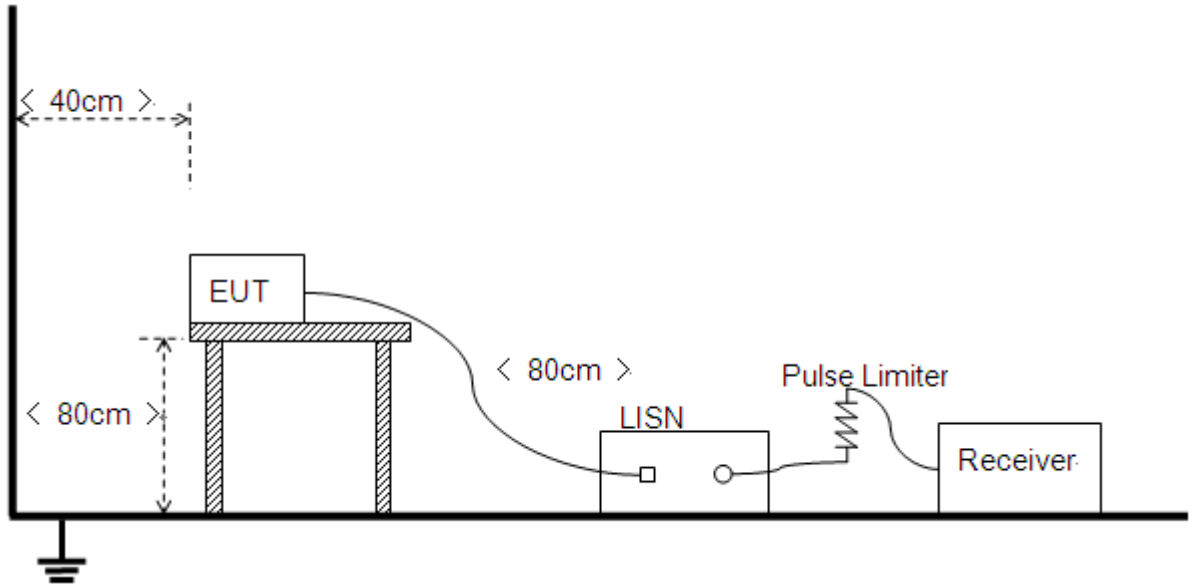
For power item that BW below 80MHz system:



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

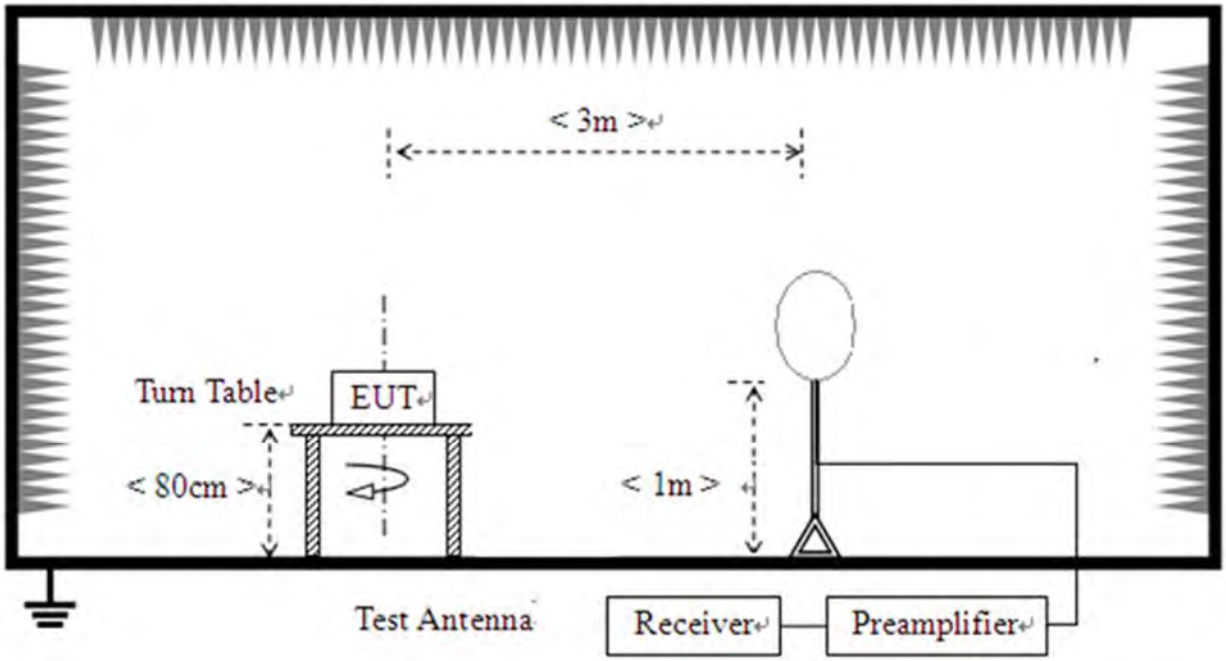


2.6.2.Conducted Emission Measurement

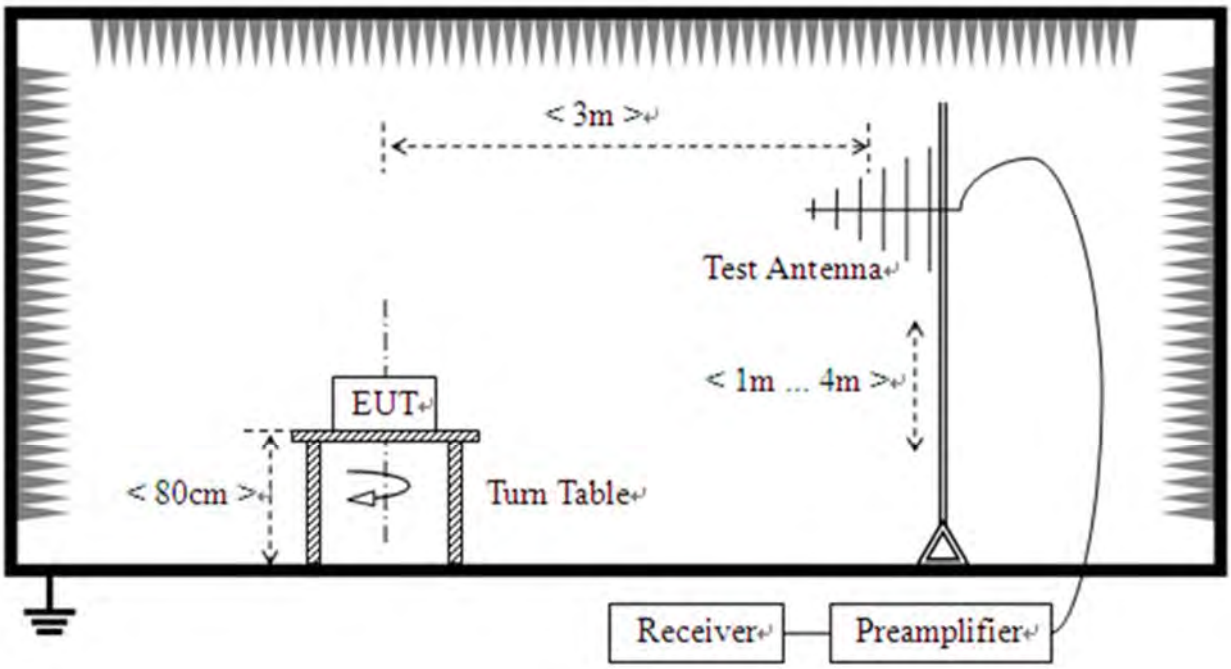


2.6.3.Radiation Measurement

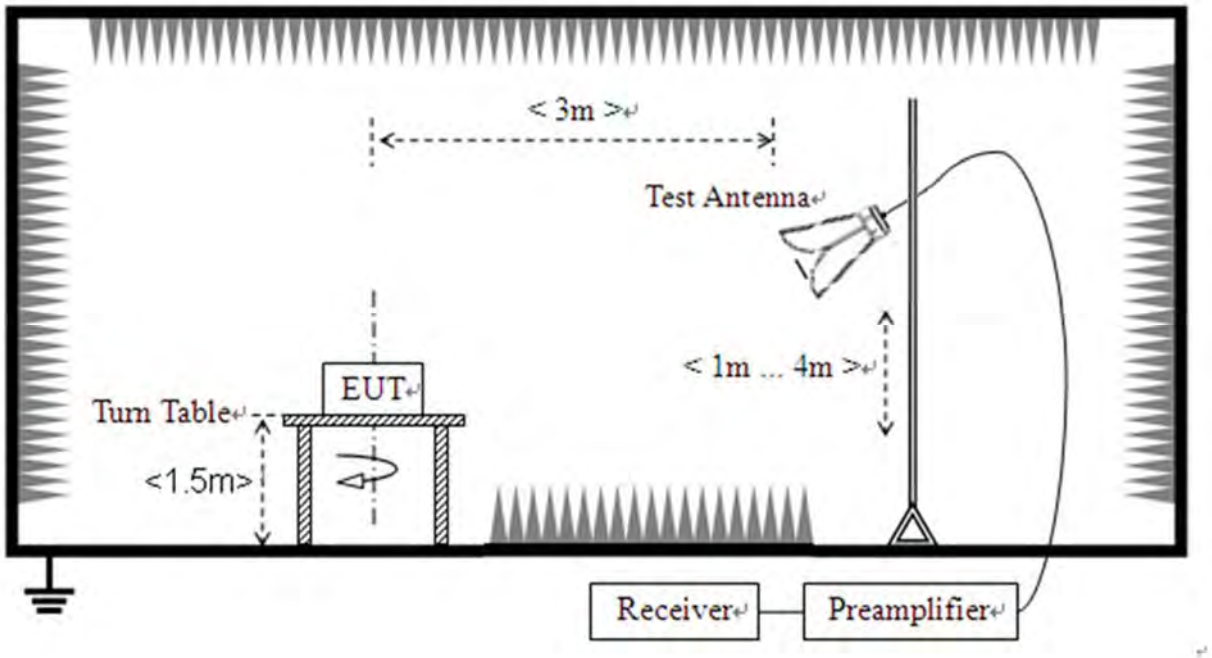
1) For radiated emissions from 9kHz to 30MHz



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 metal shrapnel. Please refer to the EUT 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 10º 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. Dynamic Frequency Selection

3.7.1.Requirement

According to FCC section 15.407(h), (1) Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW. (2) Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems. Operators shall only use equipment with a DFS mechanism that is turned on when operating in these bands. The device must sense for radar signals at 100 percent of its emission bandwidth. The minimum DFS detection threshold for devices with a maximum e.i.r.p. of 200 mW to 1 W is −64 dBm. For devices that operate with less than 200 mW e.i.r.p. and a power spectral density of less than 10 dBm in a 1 MHz band, the minimum detection threshold is −62 dBm. The detection threshold is the received power averaged over 1 microsecond referenced to a 0 dBi antenna. For the initial channel setting, the manufacturers shall be permitted to provide for either random channel selection or manual channel selection.

A U-NII network will employ a DFS function to detect signals from radar systems and to avoid co-channel operation with these systems. This applies to the 5250-5350 MHz and/or 5470-5725 MHz bands.1

Within the context of the operation of the DFS function, a U-NII device will operate in either Master Mode or Client Mode. U-NII devices operating in Client Mode can only operate in a network controlled by a U-NII device operating in Master Mode.2

Tables 1 and 2 shown below summarize the information contained in sections 5.1.1 and 5.1.2.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	Master	Client Without Radar Detection

DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	**Master Device or Client with Radar Detection**	**Client Without Radar Detection**
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

The operational behavior and individual DFS requirements that are associated with these modes are as follows:

Master Devices

a) The Master Device will use DFS in order to detect Radar Waveforms with received signal strength above the DFS Detection Threshold in the 5250 − 5350 MHz and 5470 − 5725 MHz bands. DFS is not required in the 5150 − 5250 MHz or 5725 − 5825 MHz bands.

b) Before initiating a network on a Channel, the Master Device will perform a Channel Availability Check for specified time duration (Channel Availability Check Time) to ensure that there is no radar system operating on the Channel, using DFS described under subsection a) above.

c) The Master Device initiates a U-NII network by transmitting control signals that will enable other U-NII devices to Associate with the Master Device.

d) During normal operation, the Master Device will monitor the Channel (In-Service Monitoring) to ensure that there is no radar system operating on the Channel, using DFS described under a).

e) If the Master Device has detected a Radar Waveform during In-Service Monitoring as described under d), the Operating Channel of the U-NII network is no longer an Available Channel. The Master Device will instruct all associated Client Device(s) to stop transmitting on this Channel within the Channel Move Time. The transmissions during the Channel Move Time will be limited to the Channel Closing Transmission Time.

f) Once the Master Device has detected a Radar Waveform it will not utilize the Channel for the duration of the Non-Occupancy Period. 3.

g) If the Master Device delegates the In-Service Monitoring to a Client Device, then the

combination will be tested to the requirements described under d) through f) above.

Client Devices

a) A Client Device will not transmit before having received appropriate control signals from a Master Device.

b) A Client Device will stop all its transmissions whenever instructed by a Master Device to which it is associated and will meet the Channel Move Time and Channel Closing Transmission Time requirements. The Client Device will not resume any transmissions until it has again received control signals from a Master Device.

c) If a Client Device is performing In-Service Monitoring and detects a Radar Waveform above the DFS Detection Threshold, it will inform the Master Device. This is equivalent to the Master Device detecting the Radar Waveform and d) through f) of section 5.1.1 apply.

d) Irrespective of Client Device or Master Device detection the Channel Move Time and Channel Closing Transmission Time requirements remain the same.

e) The client test frequency must be monitored to ensure no transmission of any type has occurred for 30 minutes. Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear.

DFS Detection Thresholds

Table 3 below provides the DFS Detection Thresholds for Master Devices as well as Client Devices incorporating In-Service Monitoring.

Table 3: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 mill watt	-64 dBm
EIRP < 200 mill watt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 mill watt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Response Requirements

Table 4 provides the response requirements for Master and Client Devices incorporating DFS.

Table 4: DFS Response Requirement Values

Parameter	Value

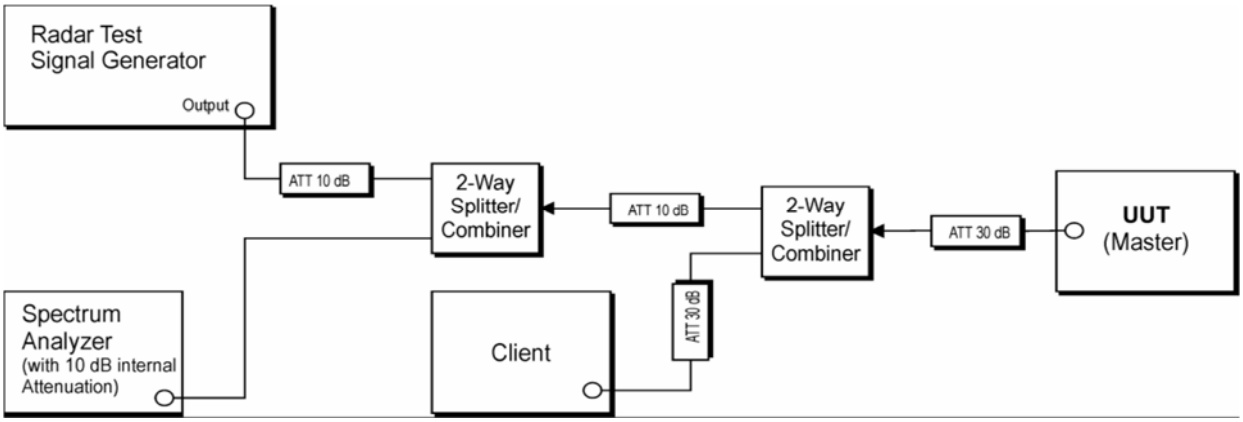
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.
Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

3.7.2.Test Description

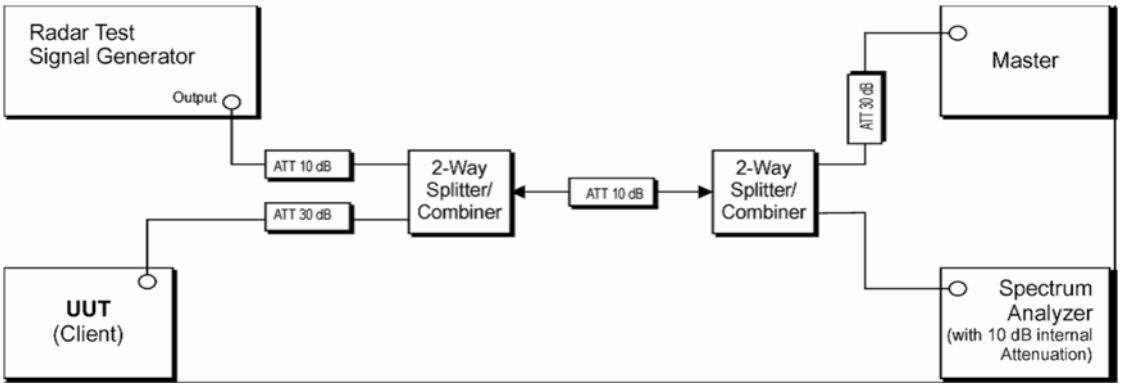
According to Section 7.2 of KDB 905462 D02 V01R01

1. Setup for Master with injection at the Master



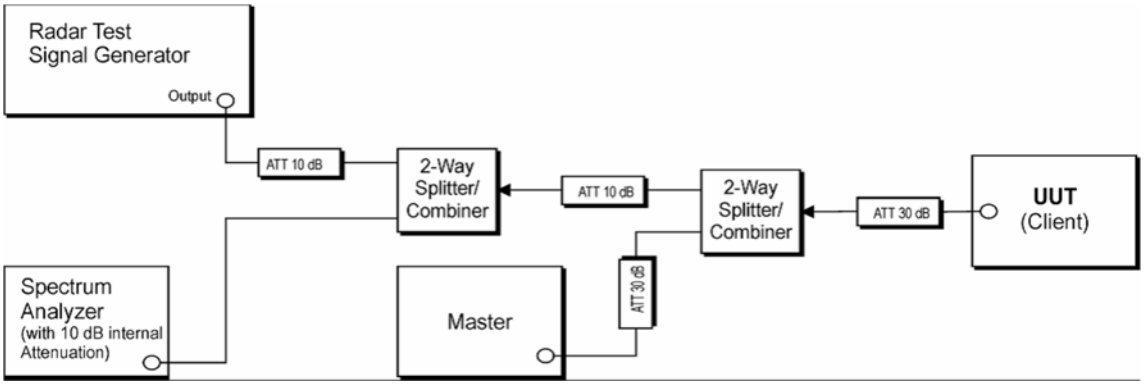
(Example Conducted Setup where UUT is a Master and Radar Test Waveforms are injected into the Master)

2. Setup for Client with injection at the Master



(Example Conducted Setup where UUT is a Client and Radar Test Waveforms are injected into the Master)

3. Setup for Client with injection at the Client



(Example Conducted Setup where UUT is a Client and Radar Test Waveforms are injected into the Client)

3.7.3.Information of Companion Device

Product Name:	Router
Manufacturer:	ASUS
FCC ID:	MSQ-RTAXJF00
Device Type:	Master Device
Operating Mode:	Master Mode
Serial No:	M3IAJF201046
Antenna Gain:	2.0dBi

3.7.4.Test Result

Refer to Annex A.6 in this report.

3.8. Conducted Emission

3.8.1.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.

3.8.2.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.

3.8.3.Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.8.4.Test Result

Refer to Annex A.7 in this report.

3.9. Restricted Frequency Bands

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:
(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).

3.9.2.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.

3.9.3.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.

3.10. Radiated Emission

3.10.1.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).

3.10.2.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.

3.10.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.10.4.Test Result

Refer to Annex A.9 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 SISO	5180	Ant1	98.07	0.08	0.49
NVNT	a SISO	5220	Ant1	98.07	0.08	0.49
NVNT	a SISO	5240	Ant1	98.07	0.08	0.49
NVNT	a SISO	5260	Ant1	98.06	0.09	0.5
NVNT	a SISO	5300	Ant1	98.06	0.09	0.5
NVNT	a SISO	5320	Ant1	99.03	0.04	0.24
NVNT	a SISO	5500	Ant1	99.03	0.04	0.24
NVNT	a SISO	5600	Ant1	98.06	0.09	0.5
NVNT	a SISO	5720	Ant1	98.06	0.09	0.5
NVNT	a SISO	5745	Ant1	98.54	0.06	0.49
NVNT	a SISO	5785	Ant1	98.54	0.06	0.49
NVNT	a SISO	5825	Ant1	98.07	0.08	0.49
NVNT	a SISO	5180	Ant2	98.54	0.06	0.49
NVNT	a SISO	5220	Ant2	98.54	0.06	0.49
NVNT	a SISO	5240	Ant2	98.06	0.09	0.5
NVNT	a SISO	5260	Ant2	98.06	0.09	0.5
NVNT	a SISO	5300	Ant2	98.06	0.09	0.5
NVNT	a SISO	5320	Ant2	98.06	0.09	0.5
NVNT	a SISO	5500	Ant2	98.06	0.09	0.5
NVNT	a SISO	5600	Ant2	98.06	0.09	0.5
NVNT	a SISO	5720	Ant2	98.06	0.09	0.5
NVNT	a SISO	5745	Ant2	98.54	0.06	0.49
NVNT	a SISO	5785	Ant2	98.07	0.08	0.49
NVNT	a SISO	5825	Ant2	98.07	0.08	0.49
NVNT	n20 SISO	5180	Ant1	97.93	0.09	0.53
NVNT	n20 SISO	5220	Ant1	98.44	0.07	0.53
NVNT	n20 SISO	5240	Ant1	98.44	0.07	0.53
NVNT	n20 SISO	5260	Ant1	98.96	0.05	0.26
NVNT	n20 SISO	5300	Ant1	98.96	0.05	0.26
NVNT	n20 SISO	5320	Ant1	97.92	0.09	0.53
NVNT	n20 SISO	5500	Ant1	98.96	0.05	0.26
NVNT	n20 SISO	5600	Ant1	97.92	0.09	0.53

NVNT	n20 SISO	5720	Ant1	97.92	0.09	0.53
NVNT	n20 SISO	5745	Ant1	97.93	0.09	0.53
NVNT	n20 SISO	5785	Ant1	97.93	0.09	0.53
NVNT	n20 SISO	5825	Ant1	97.93	0.09	0.53
NVNT	n20 SISO	5180	Ant2	98.44	0.07	0.53
NVNT	n20 SISO	5220	Ant2	97.93	0.09	0.53
NVNT	n20 SISO	5240	Ant2	97.93	0.09	0.53
NVNT	n20 SISO	5260	Ant2	97.92	0.09	0.53
NVNT	n20 SISO	5300	Ant2	98.96	0.05	0.26
NVNT	n20 SISO	5320	Ant2	98.44	0.07	0.53
NVNT	n20 SISO	5500	Ant2	98.44	0.07	0.53
NVNT	n20 SISO	5600	Ant2	98.44	0.07	0.53
NVNT	n20 SISO	5720	Ant2	97.93	0.09	0.53
NVNT	n20 SISO	5745	Ant2	97.93	0.09	0.53
NVNT	n20 SISO	5785	Ant2	97.93	0.09	0.53
NVNT	n20 SISO	5825	Ant2	98.44	0.07	0.53
NVNT	n20 MIMO	5180	Sum	97.93	0.09	0.53
NVNT	n20 MIMO	5220	Sum	97.93	0.09	0.53
NVNT	n20 MIMO	5240	Sum	97.93	0.09	0.53
NVNT	n20 MIMO	5260	Sum	97.93	0.09	0.53
NVNT	n20 MIMO	5300	Sum	97.93	0.09	0.53
NVNT	n20 MIMO	5320	Sum	98.44	0.07	0.53
NVNT	n20 MIMO	5500	Sum	97.93	0.09	0.53
NVNT	n20 MIMO	5600	Sum	97.93	0.09	0.53
NVNT	n20 MIMO	5720	Sum	98.44	0.07	0.53
NVNT	n20 MIMO	5745	Sum	98.44	0.07	0.53
NVNT	n20 MIMO	5785	Sum	97.93	0.09	0.53
NVNT	n20 MIMO	5825	Sum	97.93	0.09	0.53
NVNT	n40 SISO	5190	Ant1	96.88	0.14	1.08
NVNT	n40 SISO	5230	Ant1	95.83	0.18	1.09
NVNT	n40 SISO	5270	Ant1	95.83	0.18	1.09
NVNT	n40 SISO	5310	Ant1	95.88	0.18	1.08
NVNT	n40 SISO	5510	Ant1	95.88	0.18	1.08
NVNT	n40 SISO	5630	Ant1	95.88	0.18	1.08
NVNT	n40 SISO	5710	Ant1	96.88	0.14	1.08
NVNT	n40 SISO	5755	Ant1	96.88	0.14	1.08
NVNT	n40 SISO	5795	Ant1	96.88	0.14	1.08
NVNT	n40 SISO	5190	Ant2	95.88	0.18	1.08

NVNT	n40 SISO	5230	Ant2	96.88	0.14	1.08
NVNT	n40 SISO	5270	Ant2	95.88	0.18	1.08
NVNT	n40 SISO	5310	Ant2	96.88	0.14	1.08
NVNT	n40 SISO	5510	Ant2	96.88	0.14	1.08
NVNT	n40 SISO	5630	Ant2	95.88	0.18	1.08
NVNT	n40 SISO	5710	Ant2	96.88	0.14	1.08
NVNT	n40 SISO	5755	Ant2	96.88	0.14	1.08
NVNT	n40 SISO	5795	Ant2	95.88	0.18	1.08
NVNT	n40 MIMO	5190	Sum	96.88	0.14	1.08
NVNT	n40 MIMO	5230	Sum	95.88	0.18	1.08
NVNT	n40 MIMO	5270	Sum	96.88	0.14	1.08
NVNT	n40 MIMO	5310	Sum	95.88	0.18	1.08
NVNT	n40 MIMO	5510	Sum	96.88	0.14	1.08
NVNT	n40 MIMO	5630	Sum	95.88	0.18	1.08
NVNT	n40 MIMO	5710	Sum	96.88	0.14	1.08
NVNT	n40 MIMO	5755	Sum	95.88	0.18	1.08
NVNT	n40 MIMO	5795	Sum	96.88	0.14	1.08
NVNT	ac20 SISO	5180	Ant1	97.94	0.09	0.53
NVNT	ac20 SISO	5220	Ant1	98.45	0.07	0.53
NVNT	ac20 SISO	5240	Ant1	98.45	0.07	0.53
NVNT	ac20 SISO	5260	Ant1	97.94	0.09	0.53
NVNT	ac20 SISO	5300	Ant1	97.94	0.09	0.53
NVNT	ac20 SISO	5320	Ant1	97.94	0.09	0.53
NVNT	ac20 SISO	5500	Ant1	97.94	0.09	0.53
NVNT	ac20 SISO	5600	Ant1	97.94	0.09	0.53
NVNT	ac20 SISO	5720	Ant1	97.94	0.09	0.53
NVNT	ac20 SISO	5745	Ant1	98.45	0.07	0.53
NVNT	ac20 SISO	5785	Ant1	98.45	0.07	0.52
NVNT	ac20 SISO	5825	Ant1	97.94	0.09	0.53
NVNT	ac20 SISO	5180	Ant2	98.45	0.07	0.53
NVNT	ac20 SISO	5220	Ant2	97.94	0.09	0.53
NVNT	ac20 SISO	5240	Ant2	98.45	0.07	0.53
NVNT	ac20 SISO	5260	Ant2	99.31	0.03	0.17
NVNT	ac20 SISO	5300	Ant2	97.94	0.09	0.53
NVNT	ac20 SISO	5320	Ant2	98.96	0.05	0.26
NVNT	ac20 SISO	5500	Ant2	97.94	0.09	0.53
NVNT	ac20 SISO	5600	Ant2	97.94	0.09	0.53
NVNT	ac20 SISO	5720	Ant2	97.94	0.09	0.53

NVNT	ac20 SISO	5745	Ant2	98.45	0.07	0.53
NVNT	ac20 SISO	5785	Ant2	97.94	0.09	0.53
NVNT	ac20 SISO	5825	Ant2	98.45	0.07	0.53
NVNT	ac20 MIMO	5180	Sum	97.94	0.09	0.53
NVNT	ac20 MIMO	5220	Sum	98.45	0.07	0.52
NVNT	ac20 MIMO	5240	Sum	97.94	0.09	0.53
NVNT	ac20 MIMO	5260	Sum	97.94	0.09	0.53
NVNT	ac20 MIMO	5300	Sum	97.94	0.09	0.53
NVNT	ac20 MIMO	5320	Sum	97.94	0.09	0.53
NVNT	ac20 MIMO	5500	Sum	97.94	0.09	0.53
NVNT	ac20 MIMO	5600	Sum	97.94	0.09	0.53
NVNT	ac20 MIMO	5720	Sum	97.94	0.09	0.53
NVNT	ac20 MIMO	5745	Sum	98.45	0.07	0.52
NVNT	ac20 MIMO	5785	Sum	97.94	0.09	0.53
NVNT	ac20 MIMO	5825	Sum	98.45	0.07	0.52
NVNT	ac40 SISO	5190	Ant1	95.92	0.18	1.06
NVNT	ac40 SISO	5230	Ant1	96.91	0.14	1.06
NVNT	ac40 SISO	5270	Ant1	95.92	0.18	1.06
NVNT	ac40 SISO	5310	Ant1	95.92	0.18	1.06
NVNT	ac40 SISO	5510	Ant1	96.91	0.14	1.06
NVNT	ac40 SISO	5630	Ant1	96.91	0.14	1.06
NVNT	ac40 SISO	5710	Ant1	95.88	0.18	1.08
NVNT	ac40 SISO	5755	Ant1	96.91	0.14	1.06
NVNT	ac40 SISO	5795	Ant1	96.91	0.14	1.06
NVNT	ac40 SISO	5190	Ant2	96.91	0.14	1.06
NVNT	ac40 SISO	5230	Ant2	96.91	0.14	1.06
NVNT	ac40 SISO	5270	Ant2	95.92	0.18	1.06
NVNT	ac40 SISO	5310	Ant2	95.88	0.18	1.08
NVNT	ac40 SISO	5510	Ant2	96.91	0.14	1.06
NVNT	ac40 SISO	5630	Ant2	95.88	0.18	1.08
NVNT	ac40 SISO	5710	Ant2	96.91	0.14	1.06
NVNT	ac40 SISO	5755	Ant2	95.88	0.18	1.08
NVNT	ac40 SISO	5795	Ant2	95.92	0.18	1.06
NVNT	ac40 MIMO	5190	Sum	96.91	0.14	1.06
NVNT	ac40 MIMO	5230	Sum	96.91	0.14	1.06
NVNT	ac40 MIMO	5270	Sum	95.92	0.18	1.06
NVNT	ac40 MIMO	5310	Sum	96.91	0.14	1.06
NVNT	ac40 MIMO	5510	Sum	95.88	0.18	1.08

NVNT	ac40 MIMO	5630	Sum	96.91	0.14	1.06
NVNT	ac40 MIMO	5710	Sum	96.91	0.14	1.06
NVNT	ac40 MIMO	5755	Sum	95.92	0.18	1.06
NVNT	ac40 MIMO	5795	Sum	95.88	0.18	1.08
NVNT	ac80 SISO	5210	Ant1	91.84	0.37	2.22
NVNT	ac80 SISO	5290	Ant1	91.84	0.37	2.22
NVNT	ac80 SISO	5530	Ant1	93.88	0.27	2.17
NVNT	ac80 SISO	5610	Ant1	93.88	0.27	2.17
NVNT	ac80 SISO	5690	Ant1	93.88	0.27	2.17
NVNT	ac80 SISO	5775	Ant1	92	0.36	2.17
NVNT	ac80 SISO	5210	Ant2	91.84	0.37	2.22
NVNT	ac80 SISO	5290	Ant2	91.84	0.37	2.22
NVNT	ac80 SISO	5530	Ant2	92	0.36	2.17
NVNT	ac80 SISO	5610	Ant2	91.84	0.37	2.22
NVNT	ac80 SISO	5690	Ant2	91.84	0.37	2.22
NVNT	ac80 SISO	5775	Ant2	92	0.36	2.17
NVNT	ac80 MIMO	5210	Sum	93.88	0.27	2.17
NVNT	ac80 MIMO	5290	Sum	93.88	0.27	2.17
NVNT	ac80 MIMO	5530	Sum	93.88	0.27	2.17
NVNT	ac80 MIMO	5610	Sum	93.88	0.27	2.17
NVNT	ac80 MIMO	5690	Sum	93.88	0.27	2.17
NVNT	ac80 MIMO	5775	Sum	93.88	0.27	2.17

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 SISO	5180	Ant1	19.45	0.0881	24	Pass
NVNT	a SISO	5220	Ant1	19.53	0.08974	24	Pass
NVNT	a SISO	5240	Ant1	19.17	0.0826	24	Pass
NVNT	a SISO	5260	Ant1	19.29	0.08492	24	Pass
NVNT	a SISO	5300	Ant1	18.89	0.07745	24	Pass
NVNT	a SISO	5320	Ant1	18.2	0.06607	24	Pass
NVNT	a SISO	5500	Ant1	20.07	0.10162	24	Pass
NVNT	a SISO	5600	Ant1	20.17	0.10399	24	Pass
NVNT	a SISO	5720	Ant1	20.65	0.11614	24	Pass
NVNT	a SISO	5745	Ant1	20.44	0.11066	30	Pass
NVNT	a SISO	5785	Ant1	19.8	0.0955	30	Pass
NVNT	a SISO	5825	Ant1	19.8	0.0955	30	Pass
NVNT	a SISO	5180	Ant2	18.54	0.07145	24	Pass
NVNT	a SISO	5220	Ant2	18.28	0.0673	24	Pass
NVNT	a SISO	5240	Ant2	18.31	0.06776	24	Pass
NVNT	a SISO	5260	Ant2	18.18	0.06577	24	Pass
NVNT	a SISO	5300	Ant2	18.15	0.06531	24	Pass
NVNT	a SISO	5320	Ant2	18.39	0.06902	24	Pass
NVNT	a SISO	5500	Ant2	19.16	0.08241	24	Pass
NVNT	a SISO	5600	Ant2	20.07	0.10162	24	Pass
NVNT	a SISO	5720	Ant2	20.48	0.11169	24	Pass
NVNT	a SISO	5745	Ant2	20.56	0.11376	30	Pass
NVNT	a SISO	5785	Ant2	20.27	0.10641	30	Pass
NVNT	a SISO	5825	Ant2	19.73	0.09397	30	Pass
NVNT	n20 SISO	5180	Ant1	18.83	0.07638	24	Pass
NVNT	n20 SISO	5220	Ant1	18.92	0.07798	24	Pass
NVNT	n20 SISO	5240	Ant1	18.57	0.07194	24	Pass
NVNT	n20 SISO	5260	Ant1	18.7	0.07413	24	Pass
NVNT	n20 SISO	5300	Ant1	18.25	0.06683	24	Pass
NVNT	n20 SISO	5320	Ant1	17.56	0.05702	24	Pass
NVNT	n20 SISO	5500	Ant1	19.52	0.08954	24	Pass
NVNT	n20 SISO	5600	Ant1	19.56	0.09036	24	Pass
NVNT	n20 SISO	5720	Ant1	20.05	0.10116	24	Pass

NVNT	n20 SISO	5745	Ant1	19.85	0.09661	30	Pass
NVNT	n20 SISO	5785	Ant1	19.17	0.0826	30	Pass
NVNT	n20 SISO	5825	Ant1	19.17	0.0826	30	Pass
NVNT	n20 SISO	5180	Ant2	17.84	0.06081	24	Pass
NVNT	n20 SISO	5220	Ant2	17.65	0.05821	24	Pass
NVNT	n20 SISO	5240	Ant2	17.77	0.05984	24	Pass
NVNT	n20 SISO	5260	Ant2	17.5	0.05623	24	Pass
NVNT	n20 SISO	5300	Ant2	17.49	0.0561	24	Pass
NVNT	n20 SISO	5320	Ant2	17.76	0.0597	24	Pass
NVNT	n20 SISO	5500	Ant2	18.66	0.07345	24	Pass
NVNT	n20 SISO	5600	Ant2	19.52	0.08954	24	Pass
NVNT	n20 SISO	5720	Ant2	19.88	0.09727	24	Pass
NVNT	n20 SISO	5745	Ant2	20.03	0.10069	30	Pass
NVNT	n20 SISO	5785	Ant2	19.77	0.09484	30	Pass
NVNT	n20 SISO	5825	Ant2	19.19	0.08299	30	Pass
NVNT	n20 MIMO	5180	Ant1	18.45	0.06998	24	Pass
NVNT	n20 MIMO	5180	Ant2	17.78	0.05998	24	Pass
NVNT	n20 MIMO	5180	Sum	21.14	0.12996	24	Pass
NVNT	n20 MIMO	5220	Ant1	18.63	0.07295	24	Pass
NVNT	n20 MIMO	5220	Ant2	17.49	0.0561	24	Pass
NVNT	n20 MIMO	5220	Sum	21.11	0.12905	24	Pass
NVNT	n20 MIMO	5240	Ant1	18.26	0.06699	24	Pass
NVNT	n20 MIMO	5240	Ant2	17.64	0.05808	24	Pass
NVNT	n20 MIMO	5240	Sum	20.97	0.12506	24	Pass
NVNT	n20 MIMO	5260	Ant1	18.42	0.0695	24	Pass
NVNT	n20 MIMO	5260	Ant2	17.5	0.05623	24	Pass
NVNT	n20 MIMO	5260	Sum	20.99	0.12574	24	Pass
NVNT	n20 MIMO	5300	Ant1	18	0.0631	24	Pass
NVNT	n20 MIMO	5300	Ant2	17.52	0.05649	24	Pass
NVNT	n20 MIMO	5300	Sum	20.78	0.11959	24	Pass
NVNT	n20 MIMO	5320	Ant1	17.57	0.05715	24	Pass
NVNT	n20 MIMO	5320	Ant2	17.8	0.06026	24	Pass
NVNT	n20 MIMO	5320	Sum	20.7	0.1174	24	Pass
NVNT	n20 MIMO	5500	Ant1	18.9	0.07762	24	Pass
NVNT	n20 MIMO	5500	Ant2	17.68	0.05861	24	Pass
NVNT	n20 MIMO	5500	Sum	21.34	0.13624	24	Pass
NVNT	n20 MIMO	5600	Ant1	18.9	0.07762	24	Pass
NVNT	n20 MIMO	5600	Ant2	18.47	0.07031	24	Pass

NVNT	n20 MIMO	5600	Sum	21.7	0.14793	24	Pass
NVNT	n20 MIMO	5720	Ant1	19.4	0.0871	24	Pass
NVNT	n20 MIMO	5720	Ant2	19.14	0.08204	24	Pass
NVNT	n20 MIMO	5720	Sum	22.28	0.16913	24	Pass
NVNT	n20 MIMO	5745	Ant1	19.81	0.09572	30	Pass
NVNT	n20 MIMO	5745	Ant2	20.02	0.10046	30	Pass
NVNT	n20 MIMO	5745	Sum	22.93	0.19618	30	Pass
NVNT	n20 MIMO	5785	Ant1	19.14	0.08204	30	Pass
NVNT	n20 MIMO	5785	Ant2	19.72	0.09376	30	Pass
NVNT	n20 MIMO	5785	Sum	22.45	0.17579	30	Pass
NVNT	n20 MIMO	5825	Ant1	19.23	0.08375	30	Pass
NVNT	n20 MIMO	5825	Ant2	19.14	0.08204	30	Pass
NVNT	n20 MIMO	5825	Sum	22.2	0.16579	30	Pass
NVNT	n40 SISO	5190	Ant1	19.16	0.08241	24	Pass
NVNT	n40 SISO	5230	Ant1	19.11	0.08147	24	Pass
NVNT	n40 SISO	5270	Ant1	18.39	0.06902	24	Pass
NVNT	n40 SISO	5310	Ant1	18.12	0.06486	24	Pass
NVNT	n40 SISO	5510	Ant1	20.11	0.10257	24	Pass
NVNT	n40 SISO	5630	Ant1	20.08	0.10186	24	Pass
NVNT	n40 SISO	5710	Ant1	19.77	0.09484	24	Pass
NVNT	n40 SISO	5755	Ant1	20.39	0.1094	30	Pass
NVNT	n40 SISO	5795	Ant1	19.53	0.08974	30	Pass
NVNT	n40 SISO	5190	Ant2	18.27	0.06714	24	Pass
NVNT	n40 SISO	5230	Ant2	18.21	0.06622	24	Pass
NVNT	n40 SISO	5270	Ant2	18.44	0.06982	24	Pass
NVNT	n40 SISO	5310	Ant2	18.48	0.07047	24	Pass
NVNT	n40 SISO	5510	Ant2	19.18	0.08279	24	Pass
NVNT	n40 SISO	5630	Ant2	19.5	0.08913	24	Pass
NVNT	n40 SISO	5710	Ant2	19.43	0.0877	24	Pass
NVNT	n40 SISO	5755	Ant2	20.66	0.11641	30	Pass
NVNT	n40 SISO	5795	Ant2	20.35	0.10839	30	Pass
NVNT	n40 MIMO	5190	Ant1	19.25	0.08414	24	Pass
NVNT	n40 MIMO	5190	Ant2	18.1	0.06457	24	Pass
NVNT	n40 MIMO	5190	Sum	21.72	0.1487	24	Pass
NVNT	n40 MIMO	5230	Ant1	19.13	0.08185	24	Pass
NVNT	n40 MIMO	5230	Ant2	18.08	0.06427	24	Pass
NVNT	n40 MIMO	5230	Sum	21.65	0.14612	24	Pass
NVNT	n40 MIMO	5270	Ant1	18.4	0.06918	24	Pass

NVNT	n40 MIMO	5270	Ant2	18.43	0.06966	24	Pass
NVNT	n40 MIMO	5270	Sum	21.43	0.13885	24	Pass
NVNT	n40 MIMO	5310	Ant1	18.2	0.06607	24	Pass
NVNT	n40 MIMO	5310	Ant2	18.4	0.06918	24	Pass
NVNT	n40 MIMO	5310	Sum	21.31	0.13525	24	Pass
NVNT	n40 MIMO	5510	Ant1	20.01	0.10023	24	Pass
NVNT	n40 MIMO	5510	Ant2	19.15	0.08222	24	Pass
NVNT	n40 MIMO	5510	Sum	22.61	0.18245	24	Pass
NVNT	n40 MIMO	5630	Ant1	19.98	0.09954	24	Pass
NVNT	n40 MIMO	5630	Ant2	19.38	0.0867	24	Pass
NVNT	n40 MIMO	5630	Sum	22.7	0.18624	24	Pass
NVNT	n40 MIMO	5710	Ant1	19.71	0.09354	24	Pass
NVNT	n40 MIMO	5710	Ant2	19.28	0.08472	24	Pass
NVNT	n40 MIMO	5710	Sum	22.51	0.17826	24	Pass
NVNT	n40 MIMO	5755	Ant1	20.38	0.10914	30	Pass
NVNT	n40 MIMO	5755	Ant2	20.62	0.11535	30	Pass
NVNT	n40 MIMO	5755	Sum	23.51	0.22449	30	Pass
NVNT	n40 MIMO	5795	Ant1	19.48	0.08872	30	Pass
NVNT	n40 MIMO	5795	Ant2	20.38	0.10914	30	Pass
NVNT	n40 MIMO	5795	Sum	22.96	0.19786	30	Pass
NVNT	ac20 SISO	5180	Ant1	18.83	0.07638	24	Pass
NVNT	ac20 SISO	5220	Ant1	18.93	0.07816	24	Pass
NVNT	ac20 SISO	5240	Ant1	18.56	0.07178	24	Pass
NVNT	ac20 SISO	5260	Ant1	18.18	0.06577	24	Pass
NVNT	ac20 SISO	5300	Ant1	17.98	0.06281	24	Pass
NVNT	ac20 SISO	5320	Ant1	17.66	0.05834	24	Pass
NVNT	ac20 SISO	5500	Ant1	19.58	0.09078	24	Pass
NVNT	ac20 SISO	5600	Ant1	19.6	0.0912	24	Pass
NVNT	ac20 SISO	5720	Ant1	19.31	0.08531	24	Pass
NVNT	ac20 SISO	5745	Ant1	19.82	0.09594	30	Pass
NVNT	ac20 SISO	5785	Ant1	19.15	0.08222	30	Pass
NVNT	ac20 SISO	5825	Ant1	19.1	0.08128	30	Pass
NVNT	ac20 SISO	5180	Ant2	17.85	0.06095	24	Pass
NVNT	ac20 SISO	5220	Ant2	17.61	0.05768	24	Pass
NVNT	ac20 SISO	5240	Ant2	17.69	0.05875	24	Pass
NVNT	ac20 SISO	5260	Ant2	17.88	0.06138	24	Pass
NVNT	ac20 SISO	5300	Ant2	17.86	0.06109	24	Pass
NVNT	ac20 SISO	5320	Ant2	18.17	0.06561	24	Pass

NVNT	ac20 SISO	5500	Ant2	18.91	0.0778	24	Pass
NVNT	ac20 SISO	5600	Ant2	19.19	0.08299	24	Pass
NVNT	ac20 SISO	5720	Ant2	19.36	0.0863	24	Pass
NVNT	ac20 SISO	5745	Ant2	19.96	0.09908	30	Pass
NVNT	ac20 SISO	5785	Ant2	19.73	0.09397	30	Pass
NVNT	ac20 SISO	5825	Ant2	19.11	0.08147	30	Pass
NVNT	ac20 MIMO	5180	Ant1	18.49	0.07063	24	Pass
NVNT	ac20 MIMO	5180	Ant2	17.77	0.05984	24	Pass
NVNT	ac20 MIMO	5180	Sum	21.16	0.13047	24	Pass
NVNT	ac20 MIMO	5220	Ant1	18.66	0.07345	24	Pass
NVNT	ac20 MIMO	5220	Ant2	17.51	0.05636	24	Pass
NVNT	ac20 MIMO	5220	Sum	21.13	0.12982	24	Pass
NVNT	ac20 MIMO	5240	Ant1	18.28	0.0673	24	Pass
NVNT	ac20 MIMO	5240	Ant2	17.64	0.05808	24	Pass
NVNT	ac20 MIMO	5240	Sum	20.98	0.12537	24	Pass
NVNT	ac20 MIMO	5260	Ant1	17.89	0.06152	24	Pass
NVNT	ac20 MIMO	5260	Ant2	17.89	0.06152	24	Pass
NVNT	ac20 MIMO	5260	Sum	20.9	0.12304	24	Pass
NVNT	ac20 MIMO	5300	Ant1	17.61	0.05768	24	Pass
NVNT	ac20 MIMO	5300	Ant2	17.85	0.06095	24	Pass
NVNT	ac20 MIMO	5300	Sum	20.74	0.11863	24	Pass
NVNT	ac20 MIMO	5320	Ant1	17.42	0.05521	24	Pass
NVNT	ac20 MIMO	5320	Ant2	18.17	0.06561	24	Pass
NVNT	ac20 MIMO	5320	Sum	20.82	0.12082	24	Pass
NVNT	ac20 MIMO	5500	Ant1	18.32	0.06792	24	Pass
NVNT	ac20 MIMO	5500	Ant2	18.1	0.06457	24	Pass
NVNT	ac20 MIMO	5500	Sum	21.22	0.13249	24	Pass
NVNT	ac20 MIMO	5600	Ant1	18.87	0.07709	24	Pass
NVNT	ac20 MIMO	5600	Ant2	18.08	0.06427	24	Pass
NVNT	ac20 MIMO	5600	Sum	21.5	0.14136	24	Pass
NVNT	ac20 MIMO	5720	Ant1	18.51	0.07096	24	Pass
NVNT	ac20 MIMO	5720	Ant2	18.18	0.06577	24	Pass
NVNT	ac20 MIMO	5720	Sum	21.36	0.13672	24	Pass
NVNT	ac20 MIMO	5745	Ant1	19.82	0.09594	30	Pass
NVNT	ac20 MIMO	5745	Ant2	20.02	0.10046	30	Pass
NVNT	ac20 MIMO	5745	Sum	22.93	0.1964	30	Pass
NVNT	ac20 MIMO	5785	Ant1	19.16	0.08241	30	Pass
NVNT	ac20 MIMO	5785	Ant2	19.85	0.09661	30	Pass

NVNT	ac20 MIMO	5785	Sum	22.53	0.17902	30	Pass
NVNT	ac20 MIMO	5825	Ant1	19.21	0.08337	30	Pass
NVNT	ac20 MIMO	5825	Ant2	19.1	0.08128	30	Pass
NVNT	ac20 MIMO	5825	Sum	22.17	0.16465	30	Pass
NVNT	ac40 SISO	5190	Ant1	19.15	0.08222	24	Pass
NVNT	ac40 SISO	5230	Ant1	19.12	0.08166	24	Pass
NVNT	ac40 SISO	5270	Ant1	18.28	0.0673	24	Pass
NVNT	ac40 SISO	5310	Ant1	18.1	0.06457	24	Pass
NVNT	ac40 SISO	5510	Ant1	20.01	0.10023	24	Pass
NVNT	ac40 SISO	5630	Ant1	19.95	0.09886	24	Pass
NVNT	ac40 SISO	5710	Ant1	19.73	0.09397	24	Pass
NVNT	ac40 SISO	5755	Ant1	20.29	0.10691	30	Pass
NVNT	ac40 SISO	5795	Ant1	19.55	0.09016	30	Pass
NVNT	ac40 SISO	5190	Ant2	18.24	0.06668	24	Pass
NVNT	ac40 SISO	5230	Ant2	18.25	0.06683	24	Pass
NVNT	ac40 SISO	5270	Ant2	18.46	0.07015	24	Pass
NVNT	ac40 SISO	5310	Ant2	18.42	0.0695	24	Pass
NVNT	ac40 SISO	5510	Ant2	19.21	0.08337	24	Pass
NVNT	ac40 SISO	5630	Ant2	19.49	0.08892	24	Pass
NVNT	ac40 SISO	5710	Ant2	19.43	0.0877	24	Pass
NVNT	ac40 SISO	5755	Ant2	20.66	0.11641	30	Pass
NVNT	ac40 SISO	5795	Ant2	20.36	0.10864	30	Pass
NVNT	ac40 MIMO	5190	Ant1	19.24	0.08395	24	Pass
NVNT	ac40 MIMO	5190	Ant2	18.18	0.06577	24	Pass
NVNT	ac40 MIMO	5190	Sum	21.75	0.14971	24	Pass
NVNT	ac40 MIMO	5230	Ant1	19.13	0.08185	24	Pass
NVNT	ac40 MIMO	5230	Ant2	18.08	0.06427	24	Pass
NVNT	ac40 MIMO	5230	Sum	21.65	0.14612	24	Pass
NVNT	ac40 MIMO	5270	Ant1	18.46	0.07015	24	Pass
NVNT	ac40 MIMO	5270	Ant2	18.29	0.06745	24	Pass
NVNT	ac40 MIMO	5270	Sum	21.39	0.1376	24	Pass
NVNT	ac40 MIMO	5310	Ant1	18.18	0.06577	24	Pass
NVNT	ac40 MIMO	5310	Ant2	18.41	0.06934	24	Pass
NVNT	ac40 MIMO	5310	Sum	21.31	0.13511	24	Pass
NVNT	ac40 MIMO	5510	Ant1	19.99	0.09977	24	Pass
NVNT	ac40 MIMO	5510	Ant2	19.19	0.08299	24	Pass
NVNT	ac40 MIMO	5510	Sum	22.62	0.18276	24	Pass
NVNT	ac40 MIMO	5630	Ant1	20.02	0.10046	24	Pass

NVNT	ac40 MIMO	5630	Ant2	19.38	0.0867	24	Pass
NVNT	ac40 MIMO	5630	Sum	22.72	0.18716	24	Pass
NVNT	ac40 MIMO	5710	Ant1	19.76	0.09462	24	Pass
NVNT	ac40 MIMO	5710	Ant2	19.29	0.08492	24	Pass
NVNT	ac40 MIMO	5710	Sum	22.54	0.17954	24	Pass
NVNT	ac40 MIMO	5755	Ant1	20.38	0.10914	30	Pass
NVNT	ac40 MIMO	5755	Ant2	20.6	0.11482	30	Pass
NVNT	ac40 MIMO	5755	Sum	23.5	0.22396	30	Pass
NVNT	ac40 MIMO	5795	Ant1	19.51	0.08933	30	Pass
NVNT	ac40 MIMO	5795	Ant2	20.32	0.10765	30	Pass
NVNT	ac40 MIMO	5795	Sum	22.94	0.19698	30	Pass
NVNT	ac80 SISO	5210	Ant1	19.03	0.07998	24	Pass
NVNT	ac80 SISO	5290	Ant1	18.18	0.06577	24	Pass
NVNT	ac80 SISO	5530	Ant1	19.86	0.09683	24	Pass
NVNT	ac80 SISO	5610	Ant1	19.78	0.09506	24	Pass
NVNT	ac80 SISO	5690	Ant1	19.56	0.09036	24	Pass
NVNT	ac80 SISO	5775	Ant1	19.71	0.09354	30	Pass
NVNT	ac80 SISO	5210	Ant2	18.12	0.06486	24	Pass
NVNT	ac80 SISO	5290	Ant2	18.28	0.0673	24	Pass
NVNT	ac80 SISO	5530	Ant2	18.91	0.0778	24	Pass
NVNT	ac80 SISO	5610	Ant2	19.55	0.09016	24	Pass
NVNT	ac80 SISO	5690	Ant2	19.41	0.0873	24	Pass
NVNT	ac80 SISO	5775	Ant2	20.12	0.1028	30	Pass
NVNT	ac80 MIMO	5210	Ant1	19.12	0.08166	24	Pass
NVNT	ac80 MIMO	5210	Ant2	17.99	0.06295	24	Pass
NVNT	ac80 MIMO	5210	Sum	21.6	0.14461	24	Pass
NVNT	ac80 MIMO	5290	Ant1	18.26	0.06699	24	Pass
NVNT	ac80 MIMO	5290	Ant2	18.19	0.06592	24	Pass
NVNT	ac80 MIMO	5290	Sum	21.24	0.13291	24	Pass
NVNT	ac80 MIMO	5530	Ant1	19.85	0.09661	24	Pass
NVNT	ac80 MIMO	5530	Ant2	18.88	0.07727	24	Pass
NVNT	ac80 MIMO	5530	Sum	22.4	0.17387	24	Pass
NVNT	ac80 MIMO	5610	Ant1	19.77	0.09484	24	Pass
NVNT	ac80 MIMO	5610	Ant2	19.48	0.08872	24	Pass
NVNT	ac80 MIMO	5610	Sum	22.64	0.18356	24	Pass
NVNT	ac80 MIMO	5690	Ant1	19.58	0.09078	24	Pass
NVNT	ac80 MIMO	5690	Ant2	19.32	0.08551	24	Pass
NVNT	ac80 MIMO	5690	Sum	22.46	0.17629	24	Pass

NVNT	ac80 MIMO	5775	Ant1	19.76	0.09462	30	Pass
NVNT	ac80 MIMO	5775	Ant2	20.15	0.10351	30	Pass
NVNT	ac80 MIMO	5775	Sum	22.97	0.19814	30	Pass

A.3. Emission Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a SISO	5180	Ant1	24.403	Pass
NVNT	a SISO	5220	Ant1	24.185	Pass
NVNT	a SISO	5240	Ant1	22.488	Pass
NVNT	a SISO	5260	Ant1	23.818	Pass
NVNT	a SISO	5300	Ant1	23.954	Pass
NVNT	a SISO	5320	Ant1	22.93	Pass
NVNT	a SISO	5500	Ant1	29.88	Pass
NVNT	a SISO	5600	Ant1	29.837	Pass
NVNT	a SISO	5720	Ant1	35.861	Pass
NVNT	a SISO	5180	Ant2	24.367	Pass
NVNT	a SISO	5220	Ant2	24.301	Pass
NVNT	a SISO	5240	Ant2	25.192	Pass
NVNT	a SISO	5260	Ant2	25.752	Pass
NVNT	a SISO	5300	Ant2	25.53	Pass
NVNT	a SISO	5320	Ant2	24.867	Pass
NVNT	a SISO	5500	Ant2	23.673	Pass
NVNT	a SISO	5600	Ant2	27.121	Pass
NVNT	a SISO	5720	Ant2	29.282	Pass
NVNT	n20 SISO	5180	Ant1	24.177	Pass
NVNT	n20 SISO	5220	Ant1	24.412	Pass
NVNT	n20 SISO	5240	Ant1	24.746	Pass
NVNT	n20 SISO	5260	Ant1	24.091	Pass
NVNT	n20 SISO	5300	Ant1	24.71	Pass
NVNT	n20 SISO	5320	Ant1	23.989	Pass
NVNT	n20 SISO	5500	Ant1	28.667	Pass
NVNT	n20 SISO	5600	Ant1	29.603	Pass
NVNT	n20 SISO	5720	Ant1	34.347	Pass
NVNT	n20 SISO	5180	Ant2	28.045	Pass
NVNT	n20 SISO	5220	Ant2	26.56	Pass
NVNT	n20 SISO	5240	Ant2	24.92	Pass
NVNT	n20 SISO	5260	Ant2	23.745	Pass
NVNT	n20 SISO	5300	Ant2	24.361	Pass
NVNT	n20 SISO	5320	Ant2	24.435	Pass
NVNT	n20 SISO	5500	Ant2	23.796	Pass
NVNT	n20 SISO	5600	Ant2	25.945	Pass

NVNT	n20 SISO	5720	Ant2	26.38	Pass
NVNT	n20 MIMO	5180	Ant1	26.244	Pass
NVNT	n20 MIMO	5180	Ant2	26.643	Pass
NVNT	n20 MIMO	5220	Ant1	25.764	Pass
NVNT	n20 MIMO	5220	Ant2	25.942	Pass
NVNT	n20 MIMO	5240	Ant1	26.126	Pass
NVNT	n20 MIMO	5240	Ant2	25.338	Pass
NVNT	n20 MIMO	5260	Ant1	25.03	Pass
NVNT	n20 MIMO	5260	Ant2	25.388	Pass
NVNT	n20 MIMO	5300	Ant1	24.092	Pass
NVNT	n20 MIMO	5300	Ant2	24.328	Pass
NVNT	n20 MIMO	5320	Ant1	24.322	Pass
NVNT	n20 MIMO	5320	Ant2	25.883	Pass
NVNT	n20 MIMO	5500	Ant1	29.142	Pass
NVNT	n20 MIMO	5500	Ant2	24.585	Pass
NVNT	n20 MIMO	5600	Ant1	26.845	Pass
NVNT	n20 MIMO	5600	Ant2	24.736	Pass
NVNT	n20 MIMO	5720	Ant1	28.567	Pass
NVNT	n20 MIMO	5720	Ant2	25.225	Pass
NVNT	n40 SISO	5190	Ant1	41.793	Pass
NVNT	n40 SISO	5230	Ant1	41.519	Pass
NVNT	n40 SISO	5270	Ant1	41.522	Pass
NVNT	n40 SISO	5310	Ant1	41.541	Pass
NVNT	n40 SISO	5510	Ant1	58.084	Pass
NVNT	n40 SISO	5630	Ant1	77.071	Pass
NVNT	n40 SISO	5710	Ant1	59.839	Pass
NVNT	n40 SISO	5190	Ant2	49.689	Pass
NVNT	n40 SISO	5230	Ant2	49.441	Pass
NVNT	n40 SISO	5270	Ant2	42.024	Pass
NVNT	n40 SISO	5310	Ant2	42.045	Pass
NVNT	n40 SISO	5510	Ant2	41.533	Pass
NVNT	n40 SISO	5630	Ant2	41.838	Pass
NVNT	n40 SISO	5710	Ant2	41.57	Pass
NVNT	n40 MIMO	5190	Ant1	41.462	Pass
NVNT	n40 MIMO	5190	Ant2	49.774	Pass
NVNT	n40 MIMO	5230	Ant1	41.037	Pass
NVNT	n40 MIMO	5230	Ant2	50.645	Pass
NVNT	n40 MIMO	5270	Ant1	40.935	Pass

NVNT	n40 MIMO	5270	Ant2	42.182	Pass
NVNT	n40 MIMO	5310	Ant1	41.224	Pass
NVNT	n40 MIMO	5310	Ant2	41.987	Pass
NVNT	n40 MIMO	5510	Ant1	59.351	Pass
NVNT	n40 MIMO	5510	Ant2	41.803	Pass
NVNT	n40 MIMO	5630	Ant1	80.744	Pass
NVNT	n40 MIMO	5630	Ant2	42.322	Pass
NVNT	n40 MIMO	5710	Ant1	87.045	Pass
NVNT	n40 MIMO	5710	Ant2	54.665	Pass
NVNT	ac20 SISO	5180	Ant1	25.028	Pass
NVNT	ac20 SISO	5220	Ant1	24.918	Pass
NVNT	ac20 SISO	5240	Ant1	24.273	Pass
NVNT	ac20 SISO	5260	Ant1	23.834	Pass
NVNT	ac20 SISO	5300	Ant1	25.244	Pass
NVNT	ac20 SISO	5320	Ant1	24.241	Pass
NVNT	ac20 SISO	5500	Ant1	29.415	Pass
NVNT	ac20 SISO	5600	Ant1	29.941	Pass
NVNT	ac20 SISO	5720	Ant1	33.625	Pass
NVNT	ac20 SISO	5180	Ant2	26.017	Pass
NVNT	ac20 SISO	5220	Ant2	25.773	Pass
NVNT	ac20 SISO	5240	Ant2	25.563	Pass
NVNT	ac20 SISO	5260	Ant2	27.353	Pass
NVNT	ac20 SISO	5300	Ant2	25.173	Pass
NVNT	ac20 SISO	5320	Ant2	25.406	Pass
NVNT	ac20 SISO	5500	Ant2	24.904	Pass
NVNT	ac20 SISO	5600	Ant2	25.469	Pass
NVNT	ac20 SISO	5720	Ant2	27.502	Pass
NVNT	ac20 MIMO	5180	Ant1	25.489	Pass
NVNT	ac20 MIMO	5180	Ant2	27.441	Pass
NVNT	ac20 MIMO	5220	Ant1	26.632	Pass
NVNT	ac20 MIMO	5220	Ant2	25.657	Pass
NVNT	ac20 MIMO	5240	Ant1	25.47	Pass
NVNT	ac20 MIMO	5240	Ant2	25.09	Pass
NVNT	ac20 MIMO	5260	Ant1	26.005	Pass
NVNT	ac20 MIMO	5260	Ant2	26.83	Pass
NVNT	ac20 MIMO	5300	Ant1	25.043	Pass
NVNT	ac20 MIMO	5300	Ant2	27.501	Pass
NVNT	ac20 MIMO	5320	Ant1	25.786	Pass

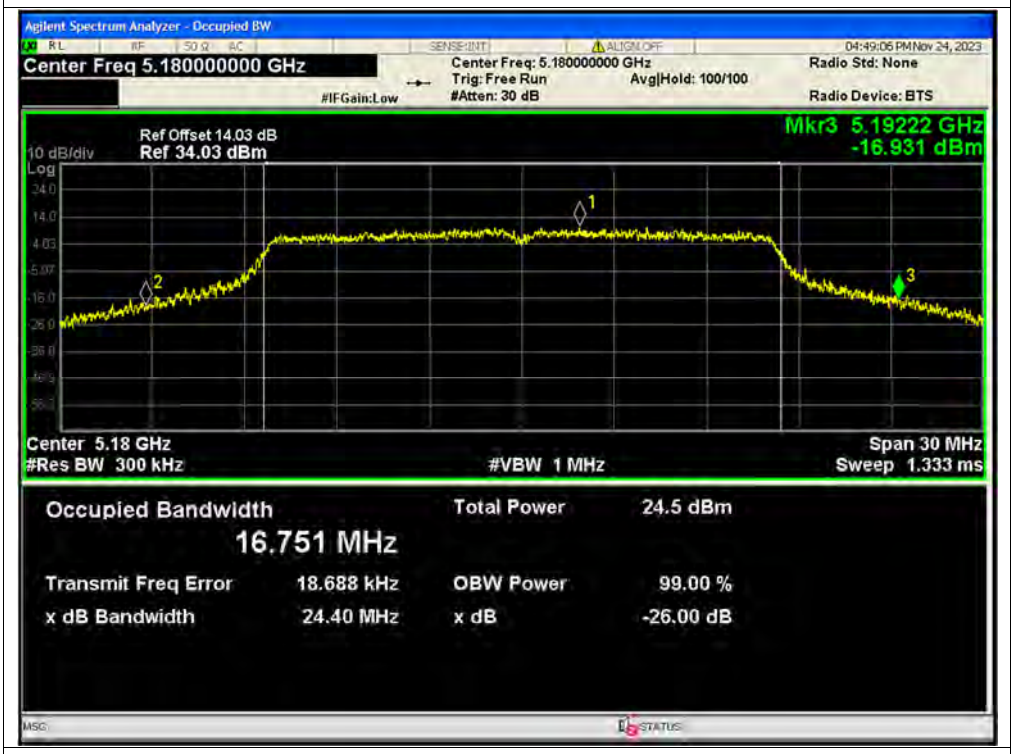
NVNT	ac20 MIMO	5320	Ant2	27.252	Pass
NVNT	ac20 MIMO	5500	Ant1	26.495	Pass
NVNT	ac20 MIMO	5500	Ant2	23.742	Pass
NVNT	ac20 MIMO	5600	Ant1	27.4	Pass
NVNT	ac20 MIMO	5600	Ant2	24.047	Pass
NVNT	ac20 MIMO	5720	Ant1	28.801	Pass
NVNT	ac20 MIMO	5720	Ant2	24.676	Pass
NVNT	ac40 SISO	5190	Ant1	41.692	Pass
NVNT	ac40 SISO	5230	Ant1	41.509	Pass
NVNT	ac40 SISO	5270	Ant1	40.841	Pass
NVNT	ac40 SISO	5310	Ant1	41.713	Pass
NVNT	ac40 SISO	5510	Ant1	57.701	Pass
NVNT	ac40 SISO	5630	Ant1	77.748	Pass
NVNT	ac40 SISO	5710	Ant1	83.455	Pass
NVNT	ac40 SISO	5190	Ant2	53.867	Pass
NVNT	ac40 SISO	5230	Ant2	49.059	Pass
NVNT	ac40 SISO	5270	Ant2	42.076	Pass
NVNT	ac40 SISO	5310	Ant2	42.151	Pass
NVNT	ac40 SISO	5510	Ant2	41.401	Pass
NVNT	ac40 SISO	5630	Ant2	41.711	Pass
NVNT	ac40 SISO	5710	Ant2	41.485	Pass
NVNT	ac40 MIMO	5190	Ant1	41.097	Pass
NVNT	ac40 MIMO	5190	Ant2	50.12	Pass
NVNT	ac40 MIMO	5230	Ant1	41.399	Pass
NVNT	ac40 MIMO	5230	Ant2	50.465	Pass
NVNT	ac40 MIMO	5270	Ant1	41.319	Pass
NVNT	ac40 MIMO	5270	Ant2	41.986	Pass
NVNT	ac40 MIMO	5310	Ant1	41.084	Pass
NVNT	ac40 MIMO	5310	Ant2	41.434	Pass
NVNT	ac40 MIMO	5510	Ant1	68.842	Pass
NVNT	ac40 MIMO	5510	Ant2	41.186	Pass
NVNT	ac40 MIMO	5630	Ant1	86.17	Pass
NVNT	ac40 MIMO	5630	Ant2	41.458	Pass
NVNT	ac40 MIMO	5710	Ant1	85.298	Pass
NVNT	ac40 MIMO	5710	Ant2	52.325	Pass
NVNT	ac80 SISO	5210	Ant1	99.826	Pass
NVNT	ac80 SISO	5290	Ant1	83.589	Pass
NVNT	ac80 SISO	5530	Ant1	118.171	Pass

NVNT	ac80 SISO	5610	Ant1	119.714	Pass
NVNT	ac80 SISO	5690	Ant1	139.108	Pass
NVNT	ac80 SISO	5210	Ant2	100.123	Pass
NVNT	ac80 SISO	5290	Ant2	95.679	Pass
NVNT	ac80 SISO	5530	Ant2	84.159	Pass
NVNT	ac80 SISO	5610	Ant2	84.593	Pass
NVNT	ac80 SISO	5690	Ant2	84.214	Pass
NVNT	ac80 MIMO	5210	Ant1	83.258	Pass
NVNT	ac80 MIMO	5210	Ant2	98.093	Pass
NVNT	ac80 MIMO	5290	Ant1	83.989	Pass
NVNT	ac80 MIMO	5290	Ant2	94.351	Pass
NVNT	ac80 MIMO	5530	Ant1	119.542	Pass
NVNT	ac80 MIMO	5530	Ant2	84.495	Pass
NVNT	ac80 MIMO	5610	Ant1	142.772	Pass
NVNT	ac80 MIMO	5610	Ant2	84.175	Pass
NVNT	ac80 MIMO	5690	Ant1	146.277	Pass
NVNT	ac80 MIMO	5690	Ant2	94.559	Pass

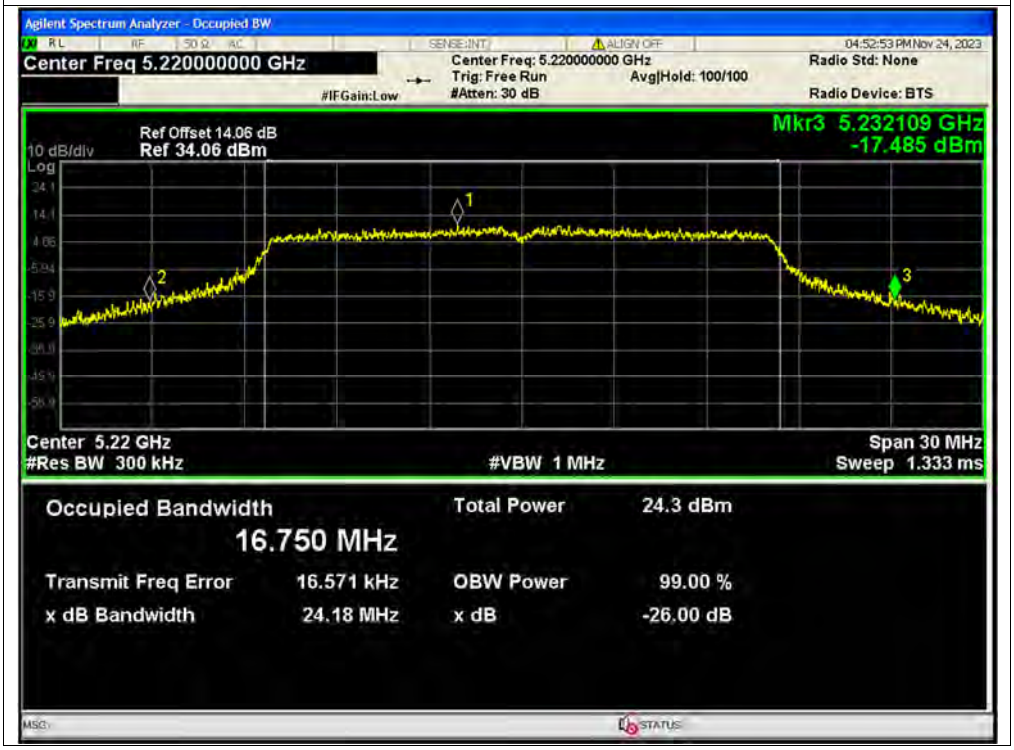
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a SISO	5745	Ant1	16.312	0.5	Pass
NVNT	a SISO	5785	Ant1	16.325	0.5	Pass
NVNT	a SISO	5825	Ant1	15.632	0.5	Pass
NVNT	a SISO	5745	Ant2	16.059	0.5	Pass
NVNT	a SISO	5785	Ant2	16.281	0.5	Pass
NVNT	a SISO	5825	Ant2	16.306	0.5	Pass
NVNT	n20 SISO	5745	Ant1	16.537	0.5	Pass
NVNT	n20 SISO	5785	Ant1	14.073	0.5	Pass
NVNT	n20 SISO	5825	Ant1	15.016	0.5	Pass
NVNT	n20 SISO	5745	Ant2	15.704	0.5	Pass
NVNT	n20 SISO	5785	Ant2	16.924	0.5	Pass
NVNT	n20 SISO	5825	Ant2	17.266	0.5	Pass
NVNT	n20 MIMO	5745	Ant1	15.69	0.5	Pass
NVNT	n20 MIMO	5745	Ant2	14.433	0.5	Pass
NVNT	n20 MIMO	5785	Ant1	15.87	0.5	Pass
NVNT	n20 MIMO	5785	Ant2	15.04	0.5	Pass
NVNT	n20 MIMO	5825	Ant1	15.463	0.5	Pass
NVNT	n20 MIMO	5825	Ant2	15.063	0.5	Pass
NVNT	n40 SISO	5755	Ant1	36.052	0.5	Pass
NVNT	n40 SISO	5795	Ant1	34.38	0.5	Pass
NVNT	n40 SISO	5755	Ant2	35.301	0.5	Pass
NVNT	n40 SISO	5795	Ant2	35.953	0.5	Pass
NVNT	n40 MIMO	5755	Ant1	34.476	0.5	Pass
NVNT	n40 MIMO	5755	Ant2	35.689	0.5	Pass
NVNT	n40 MIMO	5795	Ant1	35.323	0.5	Pass
NVNT	n40 MIMO	5795	Ant2	34.401	0.5	Pass
NVNT	ac20 SISO	5745	Ant1	14.456	0.5	Pass
NVNT	ac20 SISO	5785	Ant1	17.542	0.5	Pass
NVNT	ac20 SISO	5825	Ant1	15.039	0.5	Pass
NVNT	ac20 SISO	5745	Ant2	17.224	0.5	Pass
NVNT	ac20 SISO	5785	Ant2	15.139	0.5	Pass
NVNT	ac20 SISO	5825	Ant2	17.218	0.5	Pass
NVNT	ac20 MIMO	5745	Ant1	17.521	0.5	Pass
NVNT	ac20 MIMO	5745	Ant2	16.877	0.5	Pass
NVNT	ac20 MIMO	5785	Ant1	13.822	0.5	Pass

NVNT	ac20 MIMO	5785	Ant2	15.072	0.5	Pass
NVNT	ac20 MIMO	5825	Ant1	13.448	0.5	Pass
NVNT	ac20 MIMO	5825	Ant2	13.844	0.5	Pass
NVNT	ac40 SISO	5755	Ant1	35.082	0.5	Pass
NVNT	ac40 SISO	5795	Ant1	35.816	0.5	Pass
NVNT	ac40 SISO	5755	Ant2	35.006	0.5	Pass
NVNT	ac40 SISO	5795	Ant2	35.891	0.5	Pass
NVNT	ac40 MIMO	5755	Ant1	35.634	0.5	Pass
NVNT	ac40 MIMO	5755	Ant2	36.022	0.5	Pass
NVNT	ac40 MIMO	5795	Ant1	35.647	0.5	Pass
NVNT	ac40 MIMO	5795	Ant2	36.029	0.5	Pass
NVNT	ac80 SISO	5775	Ant1	75.029	0.5	Pass
NVNT	ac80 SISO	5775	Ant2	75.053	0.5	Pass
NVNT	ac80 MIMO	5775	Ant1	74.999	0.5	Pass
NVNT	ac80 MIMO	5775	Ant2	75.016	0.5	Pass

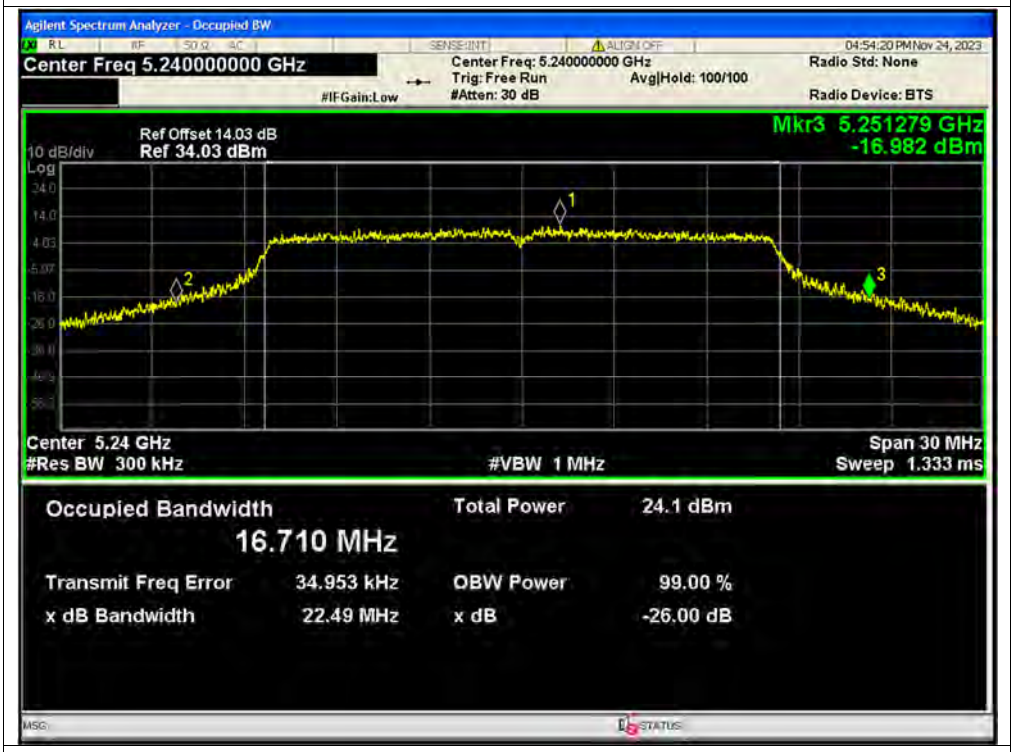
Test Graphs
-26dB Bandwidth NVNT a 5180MHz Ant1 SISO



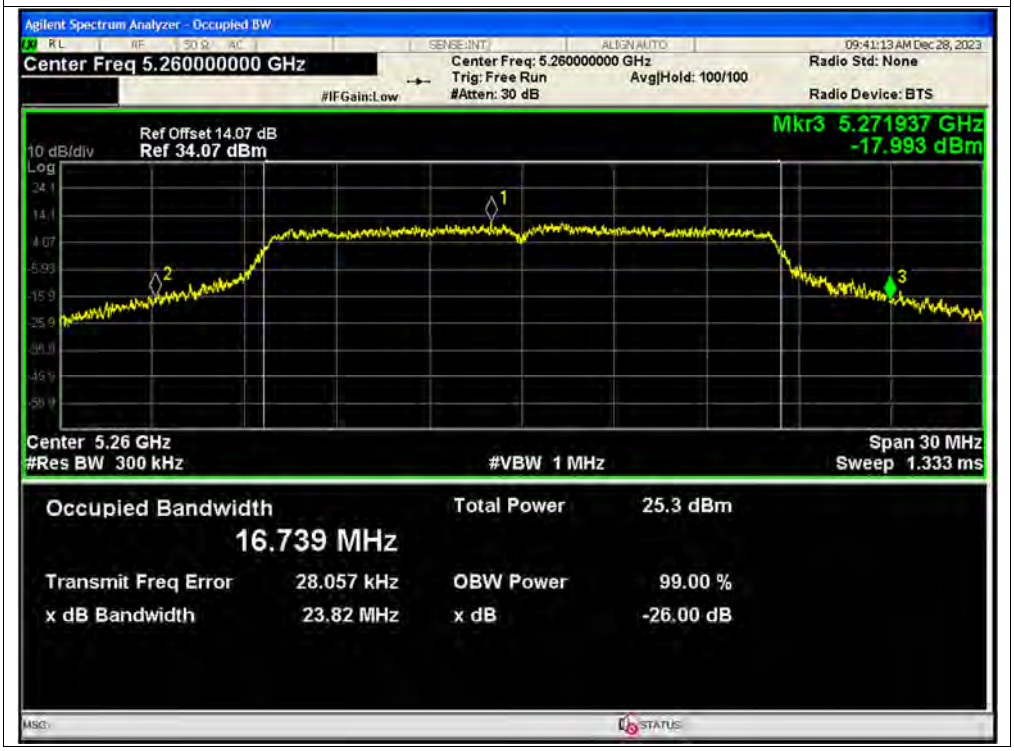
-26dB Bandwidth NVNT a 5220MHz Ant1 SISO



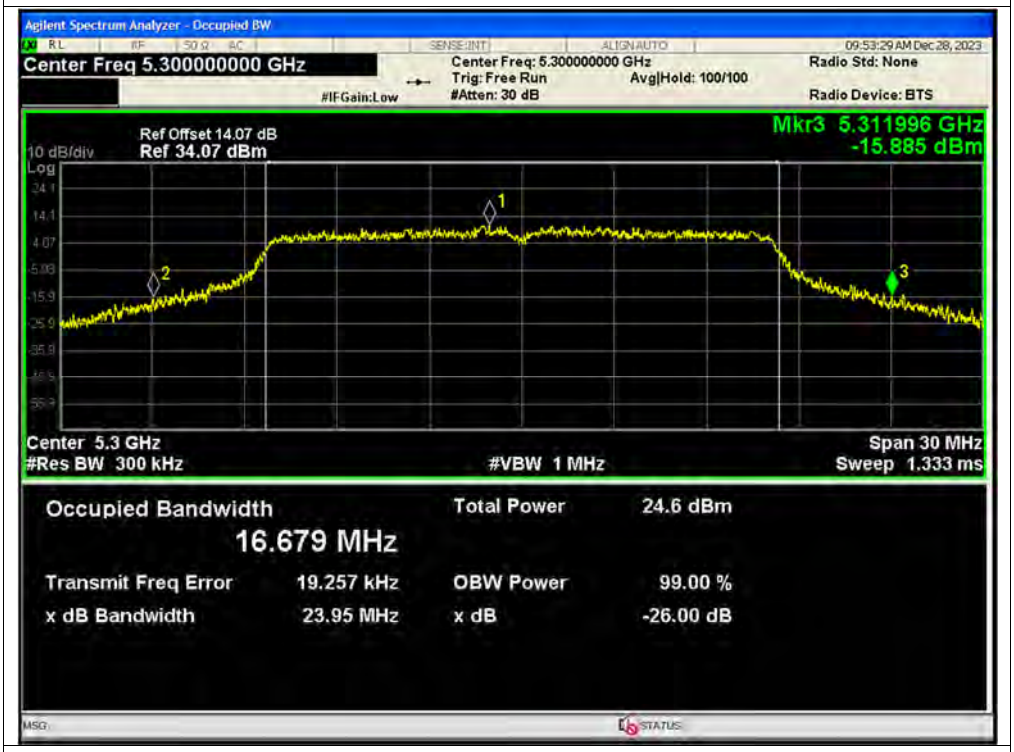
-26dB Bandwidth NVNT a 5240MHz Ant1 SISO



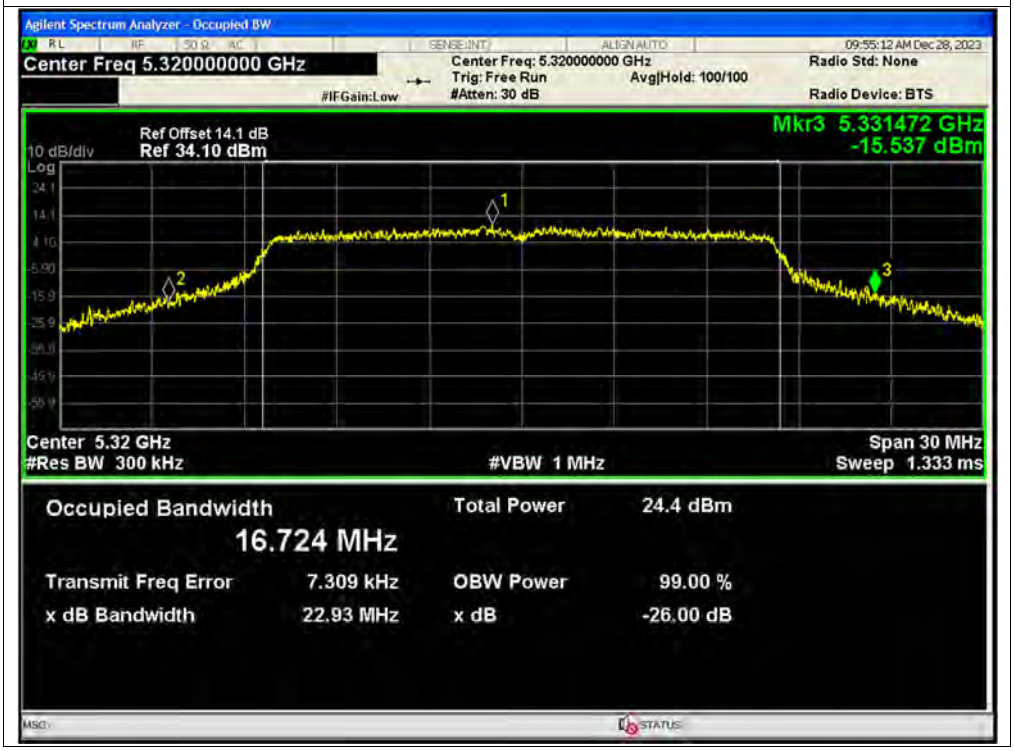
-26dB Bandwidth NVNT a 5260MHz Ant1 SISO



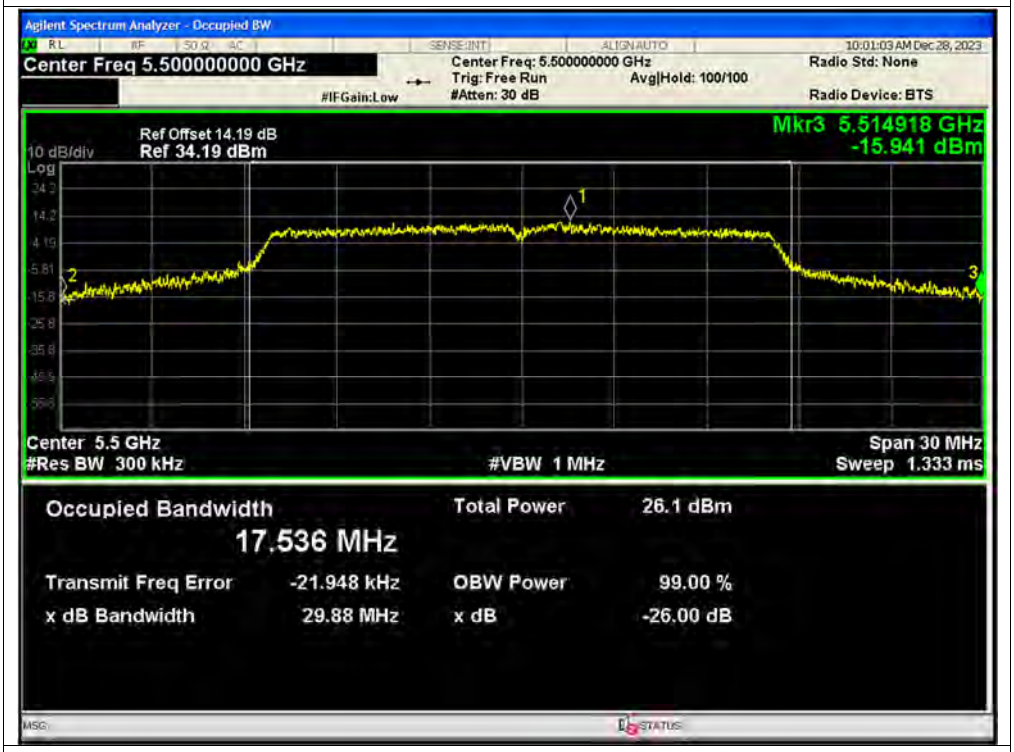
-26dB Bandwidth NVNT a 5300MHz Ant1 SISO



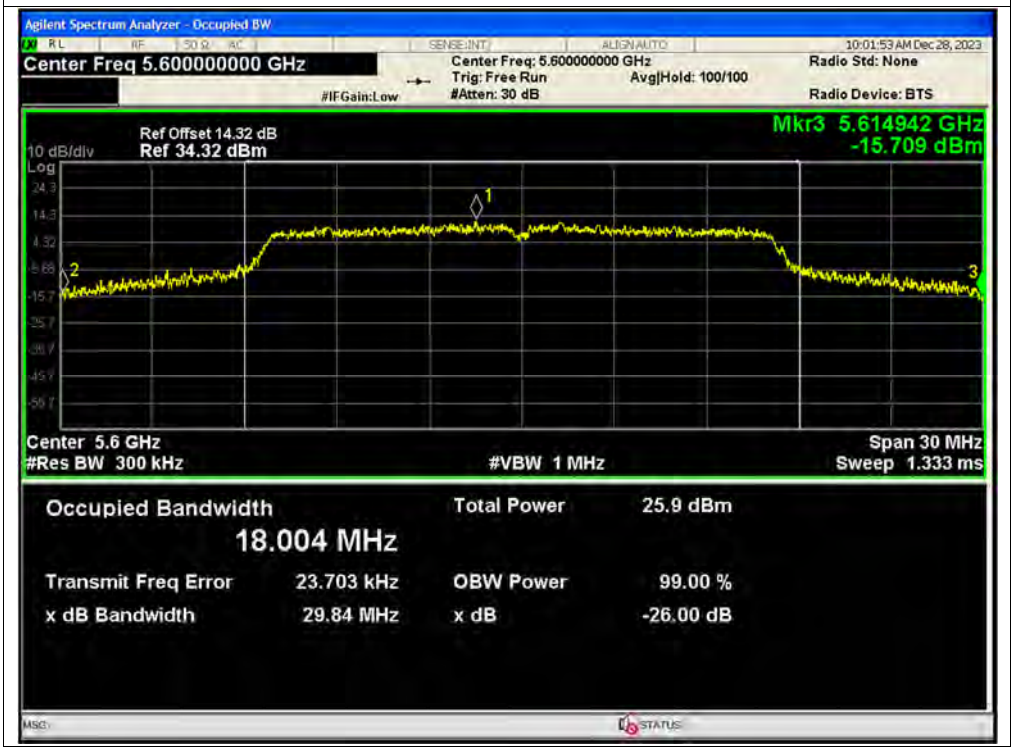
-26dB Bandwidth NVNT a 5320MHz Ant1 SISO



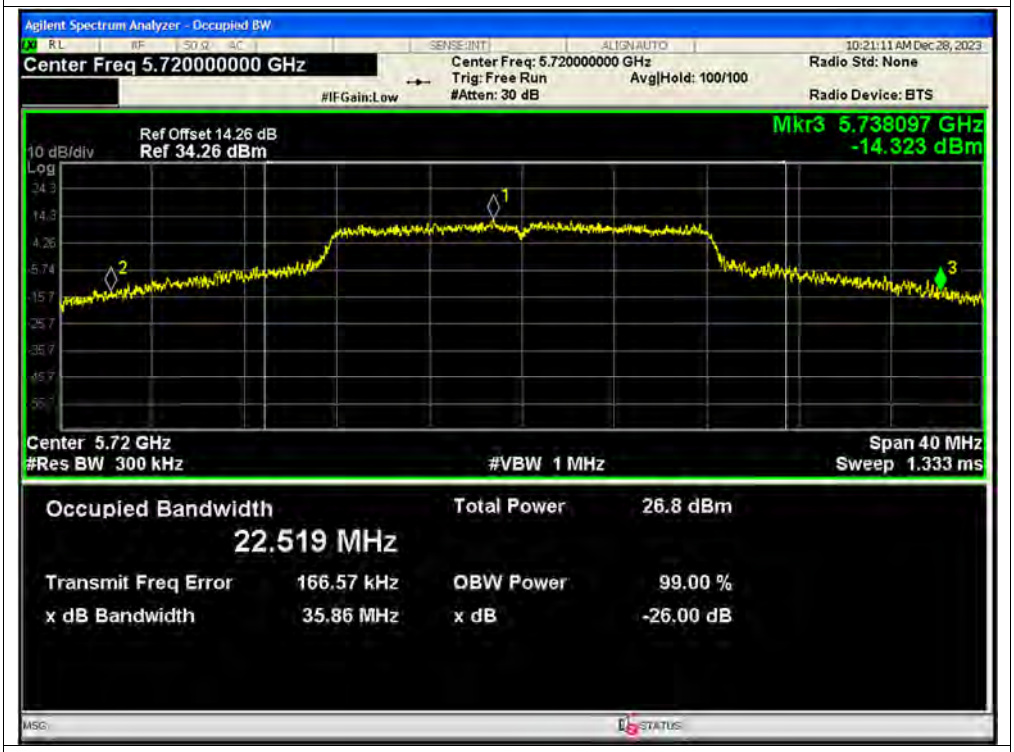
-26dB Bandwidth NVNT a 5500MHz Ant1 SISO



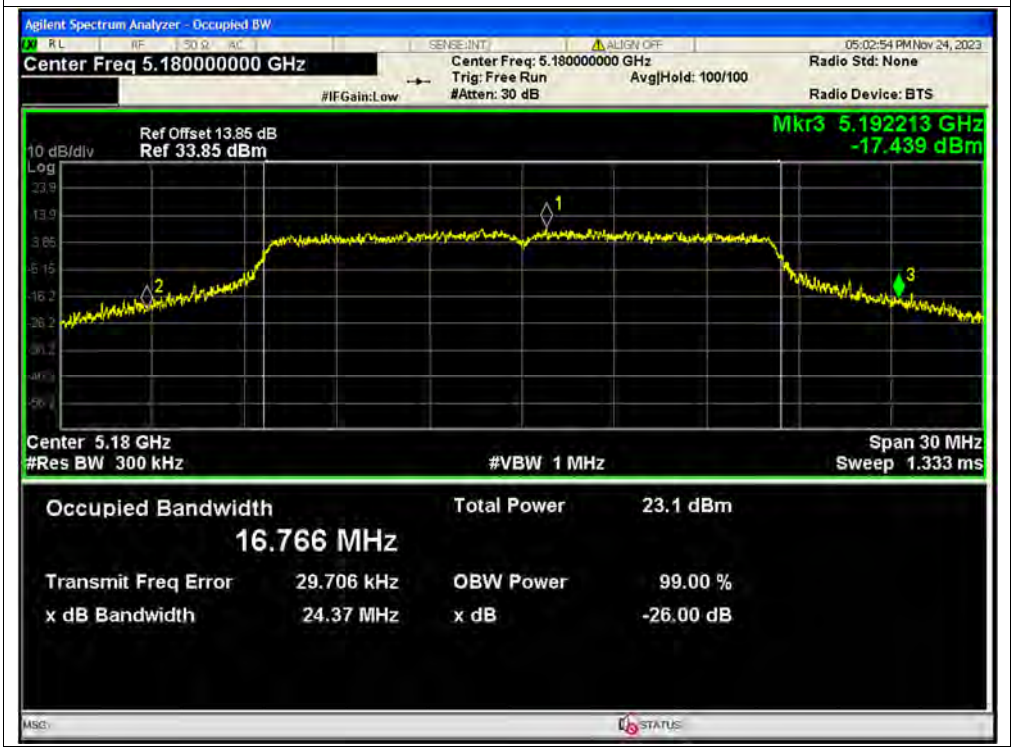
-26dB Bandwidth NVNT a 5600MHz Ant1 SISO



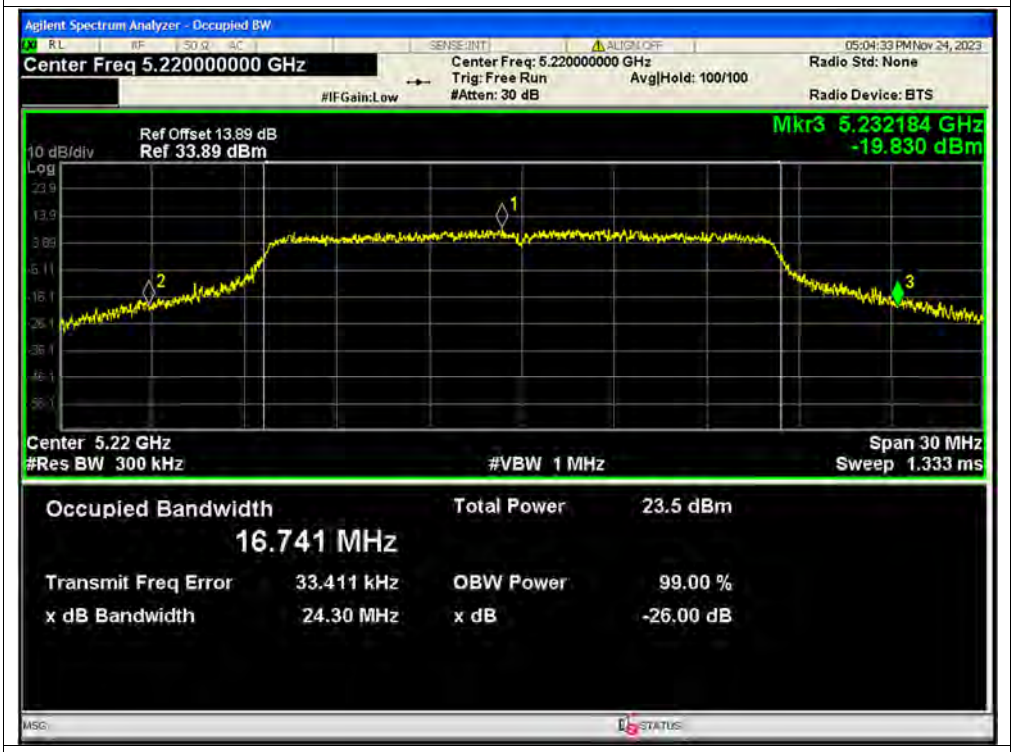
-26dB Bandwidth NVNT a 5720MHz Ant1 SISO



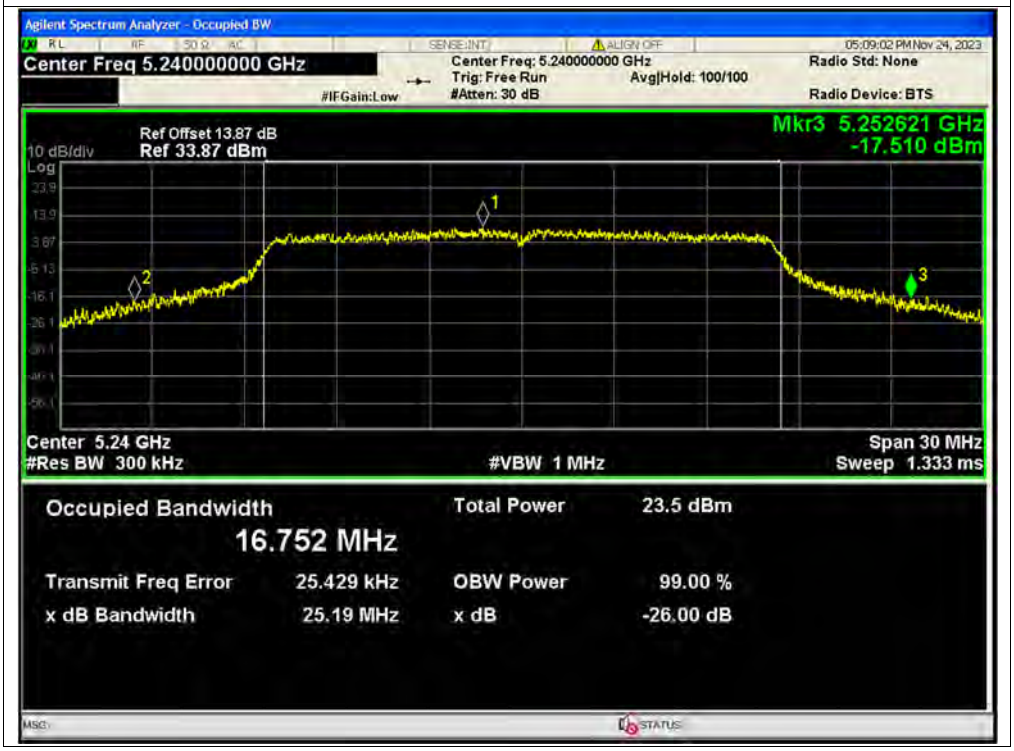
-26dB Bandwidth NVNT a 5180MHz Ant2 SISO



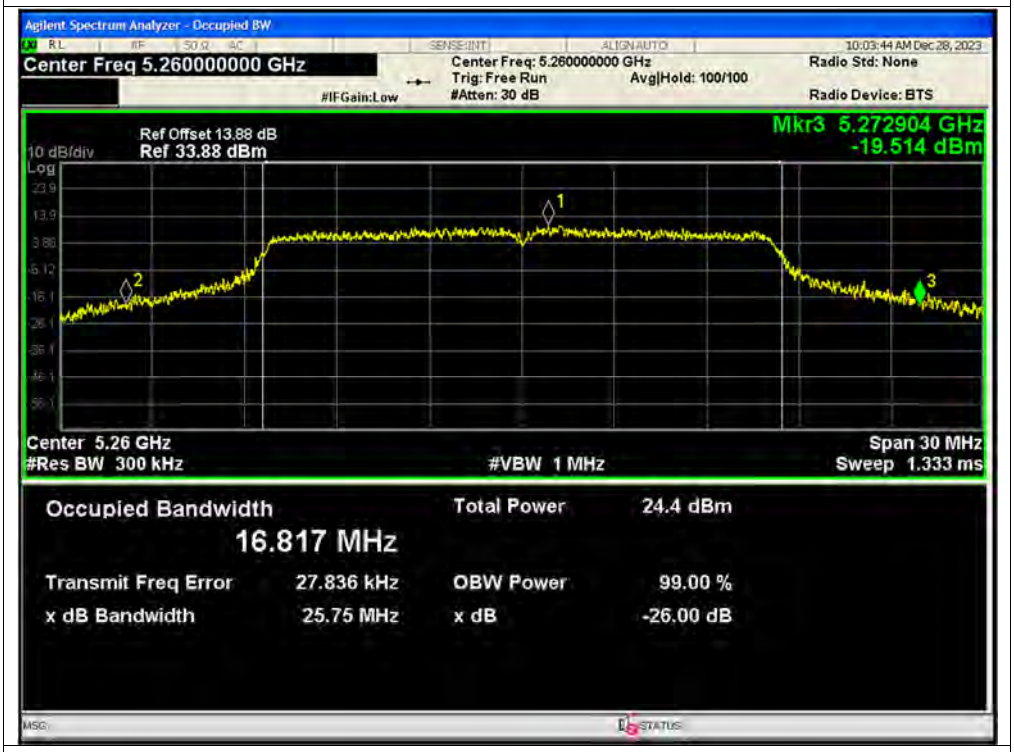
-26dB Bandwidth NVNT a 5220MHz Ant2 SISO



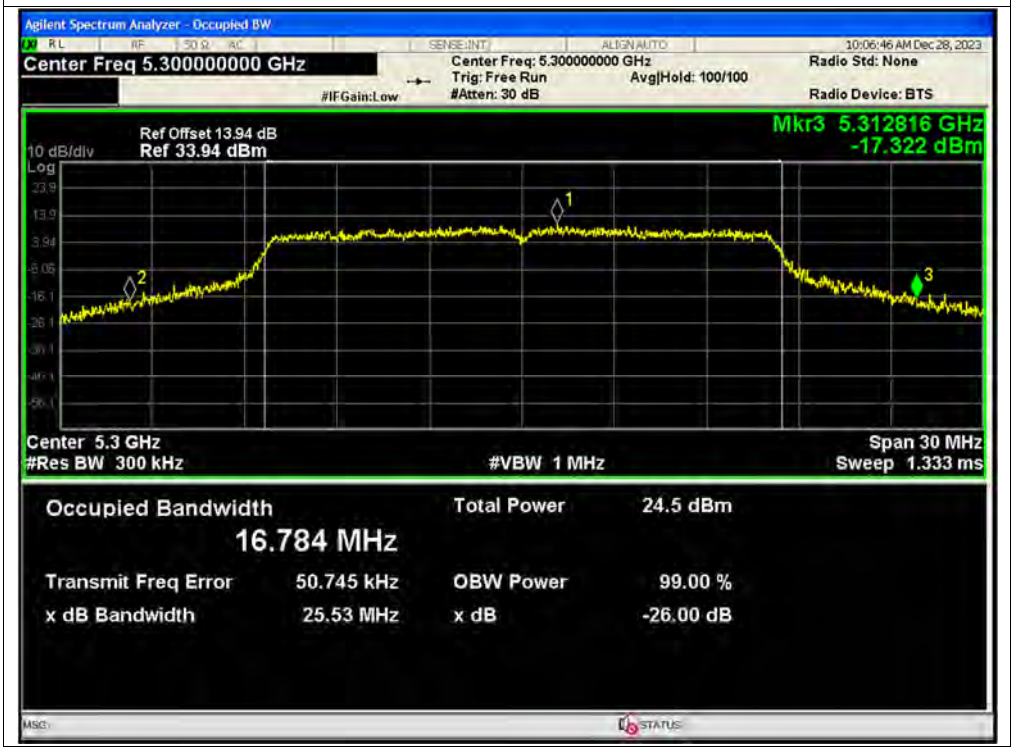
-26dB Bandwidth NVNT a 5240MHz Ant2 SISO



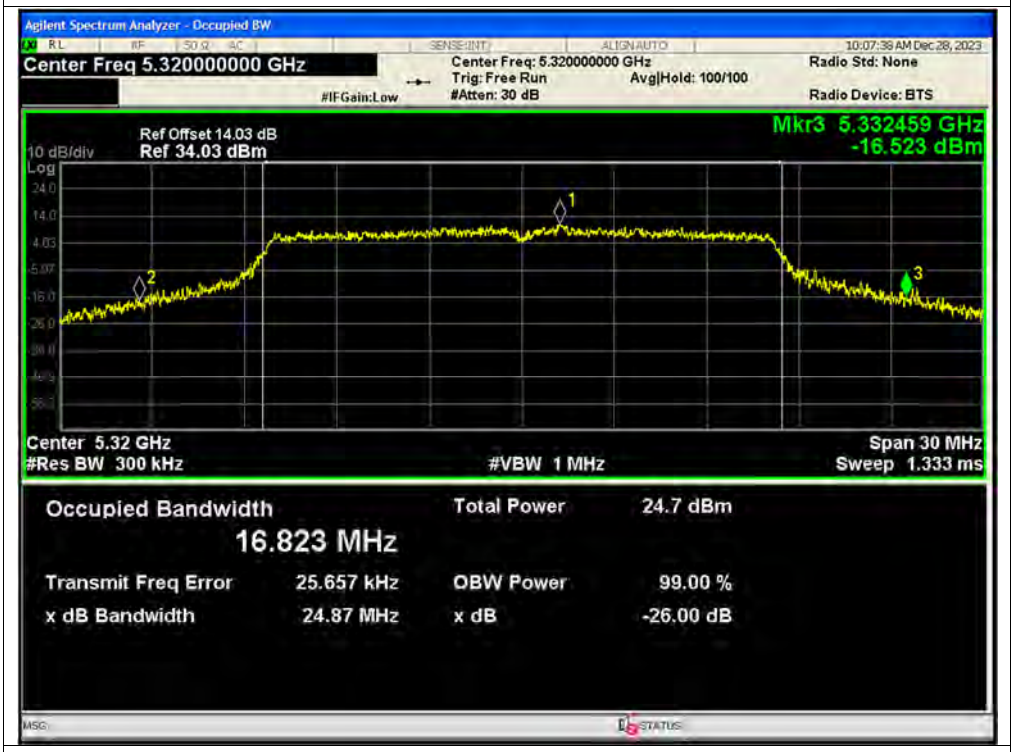
-26dB Bandwidth NVNT a 5260MHz Ant2 SISO



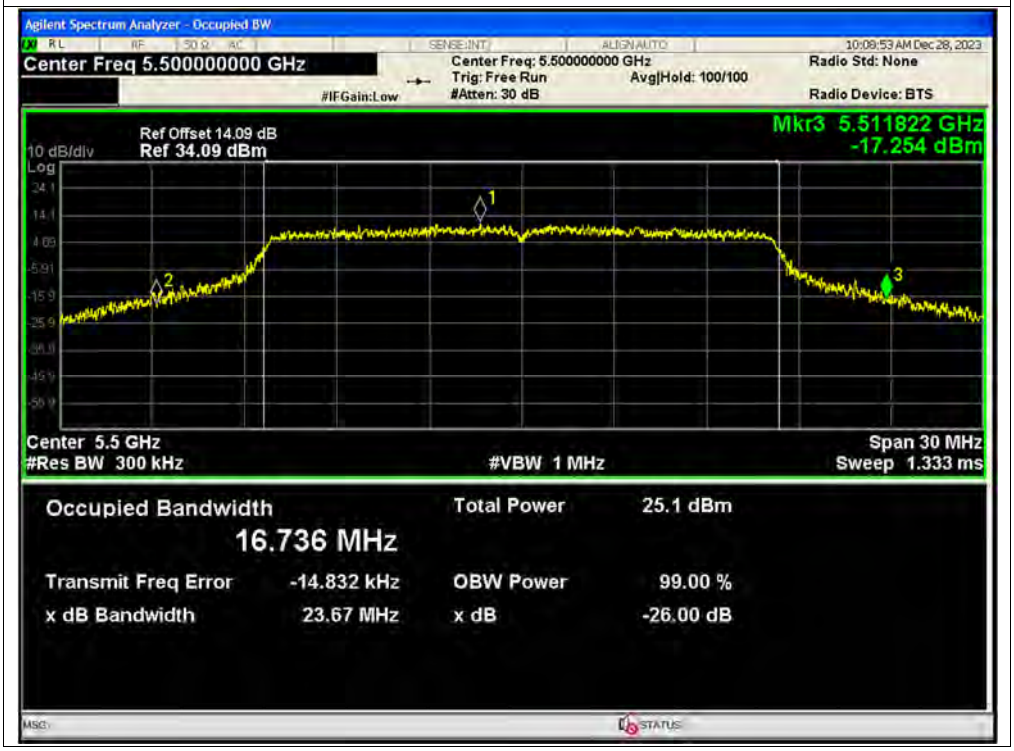
-26dB Bandwidth NVNT a 5300MHz Ant2 SISO



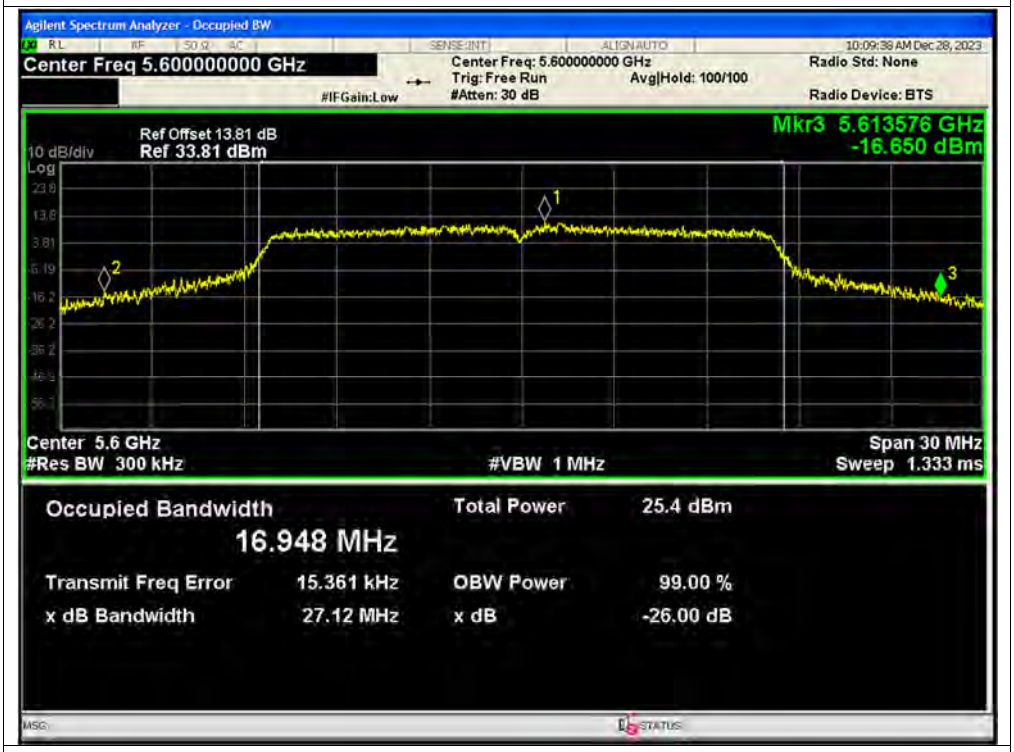
-26dB Bandwidth NVNT a 5320MHz Ant2 SISO



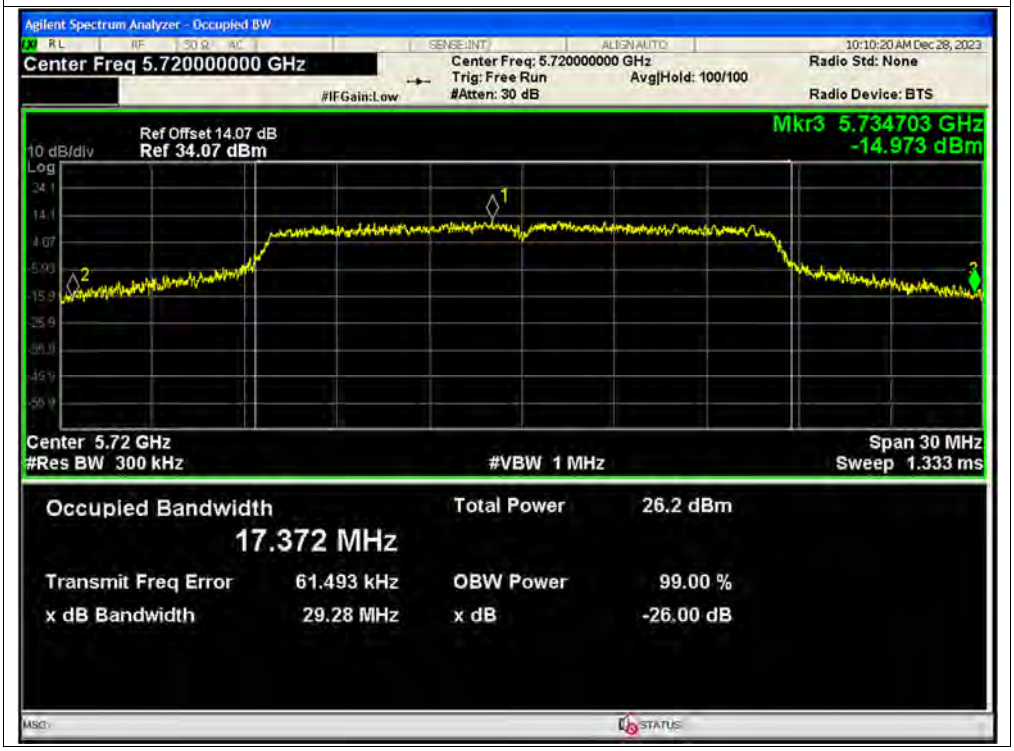
-26dB Bandwidth NVNT a 5500MHz Ant2 SISO



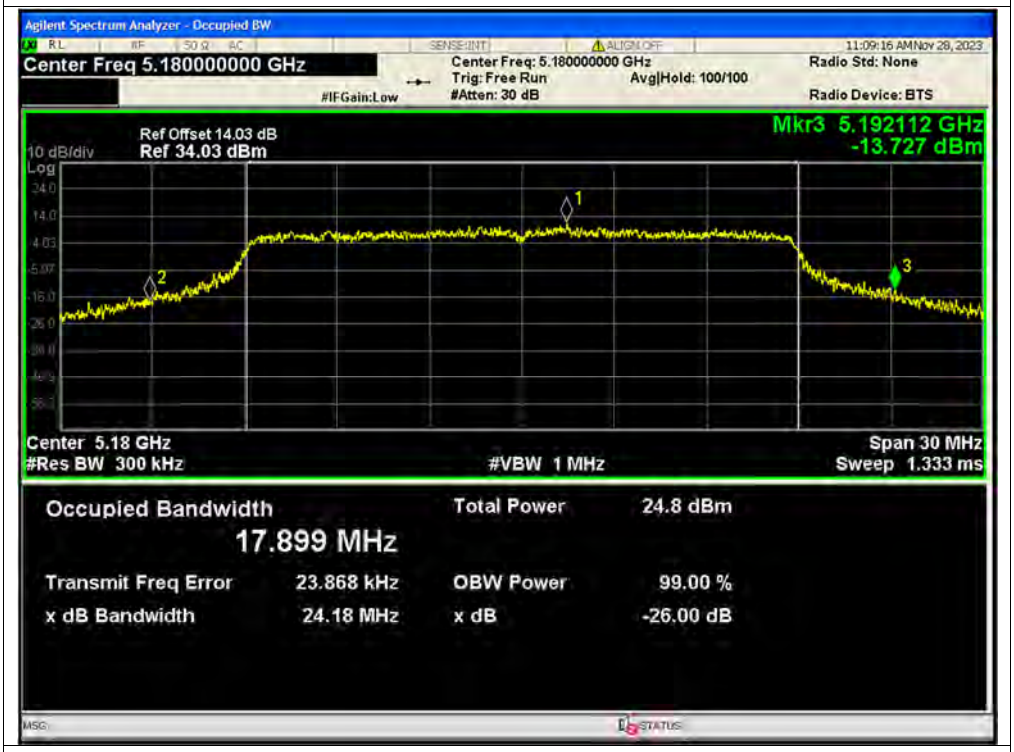
-26dB Bandwidth NVNT a 5600MHz Ant2 SISO



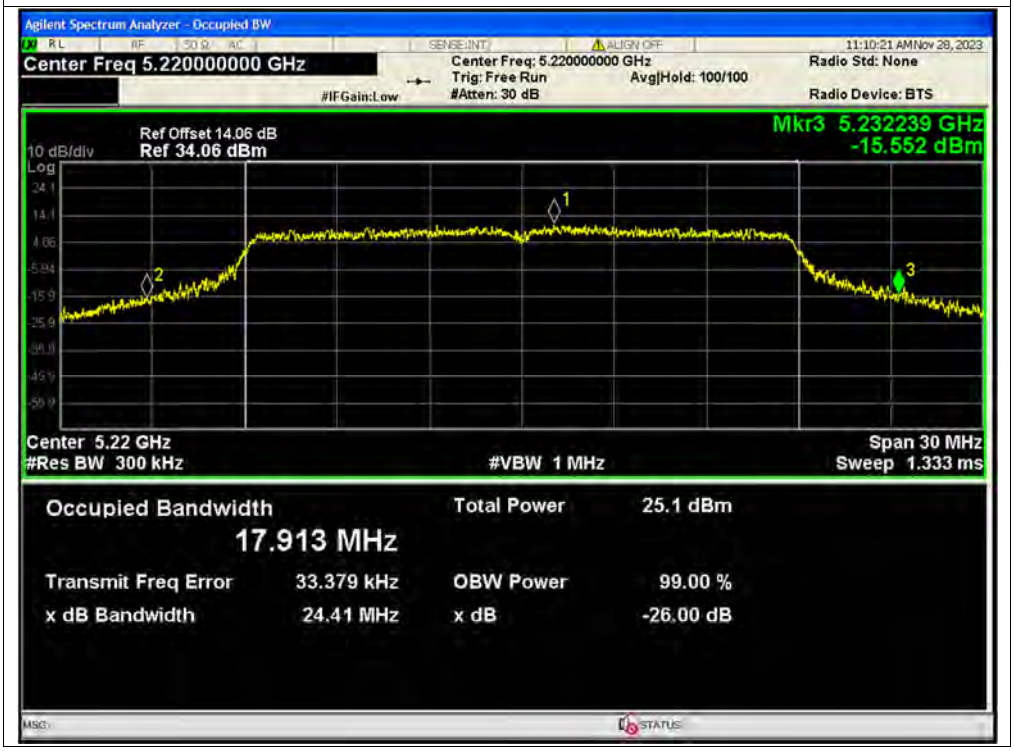
-26dB Bandwidth NVNT a 5720MHz Ant2 SISO



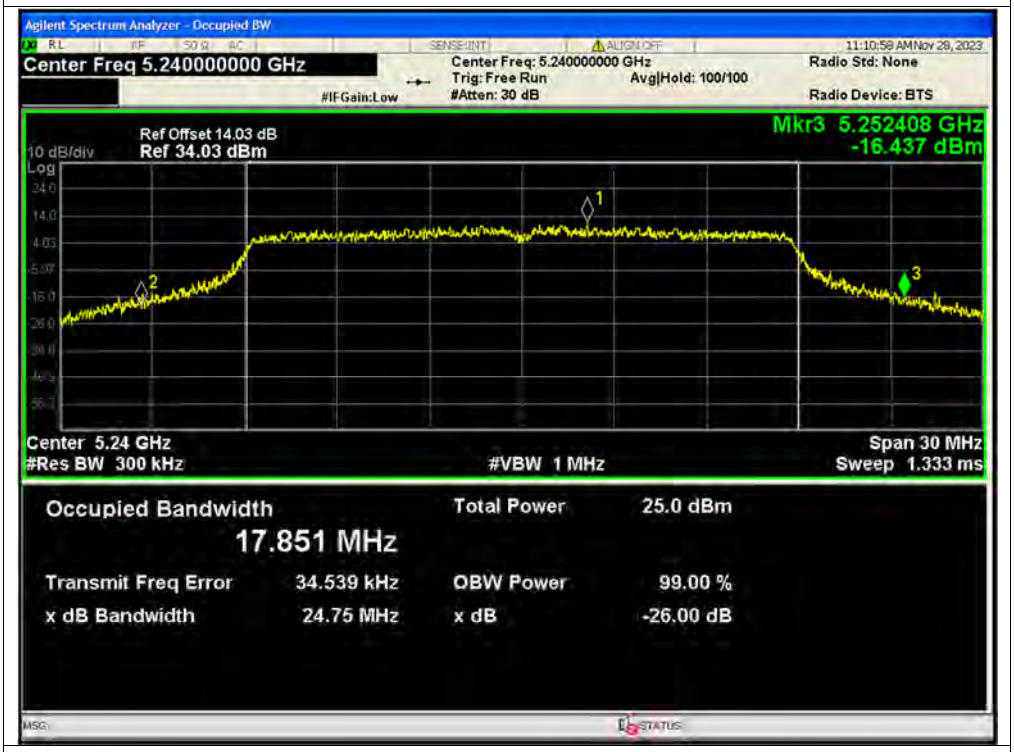
-26dB Bandwidth NVNT n20 5180MHz Ant1 SISO



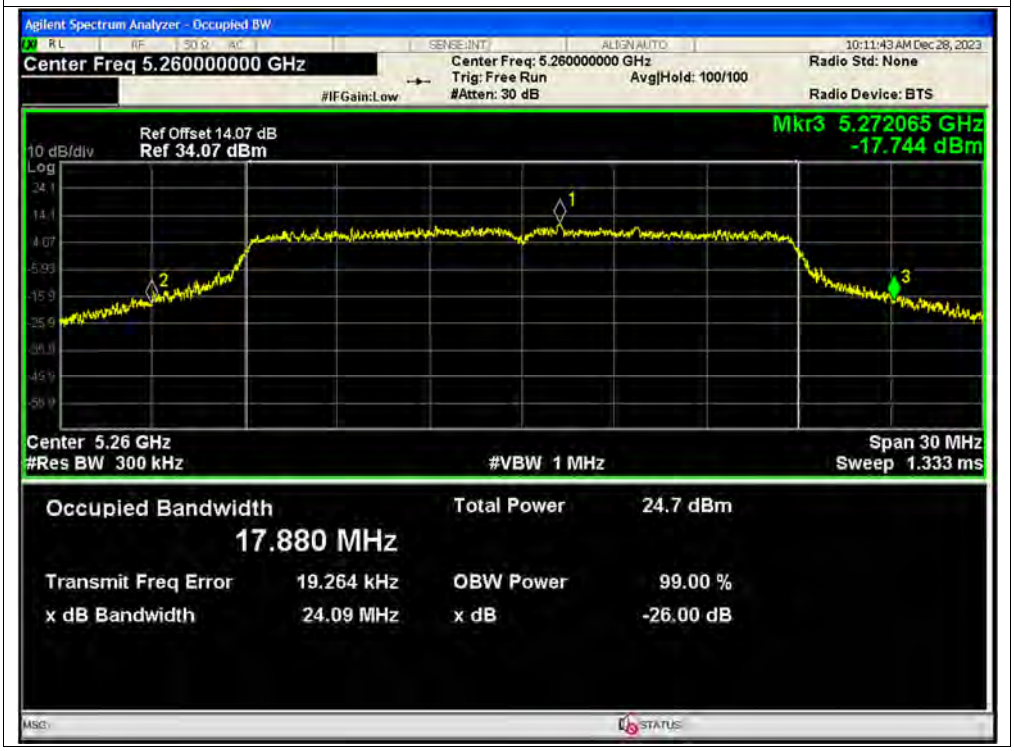
-26dB Bandwidth NVNT n20 5220MHz Ant1 SISO



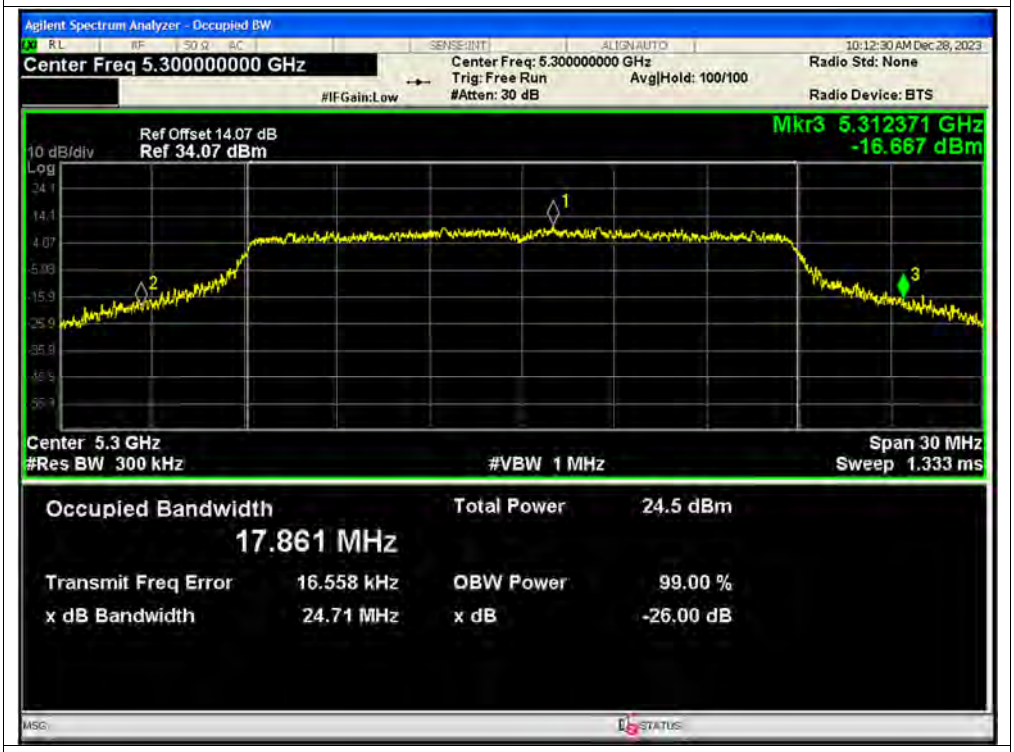
-26dB Bandwidth NVNT n20 5240MHz Ant1 SISO



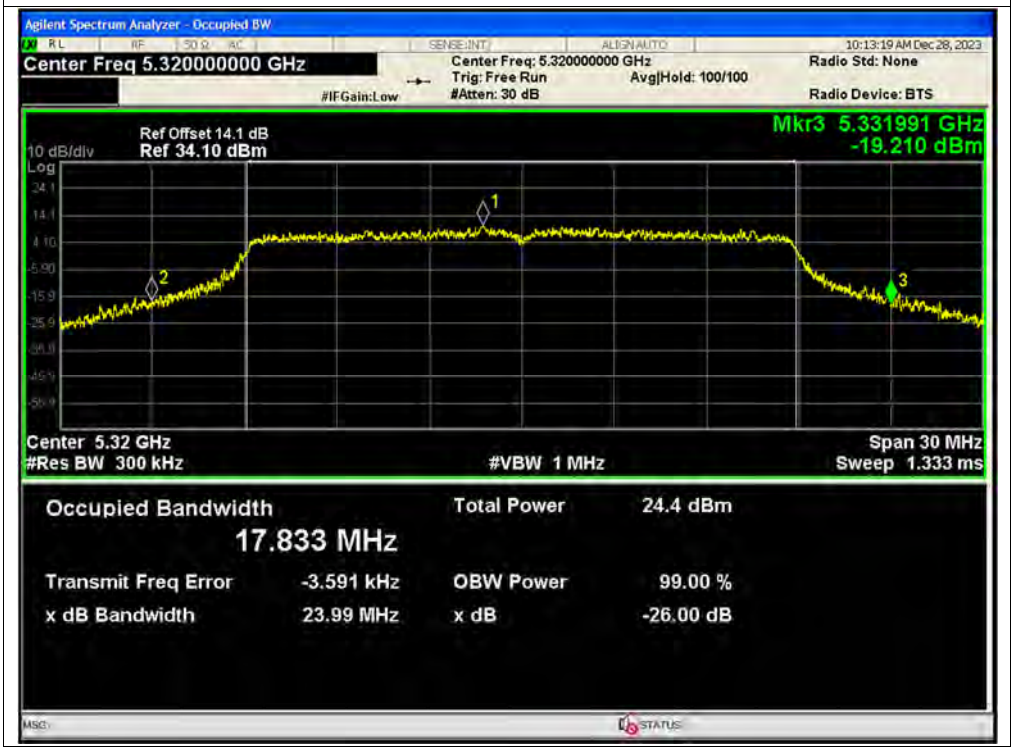
-26dB Bandwidth NVNT n20 5260MHz Ant1 SISO



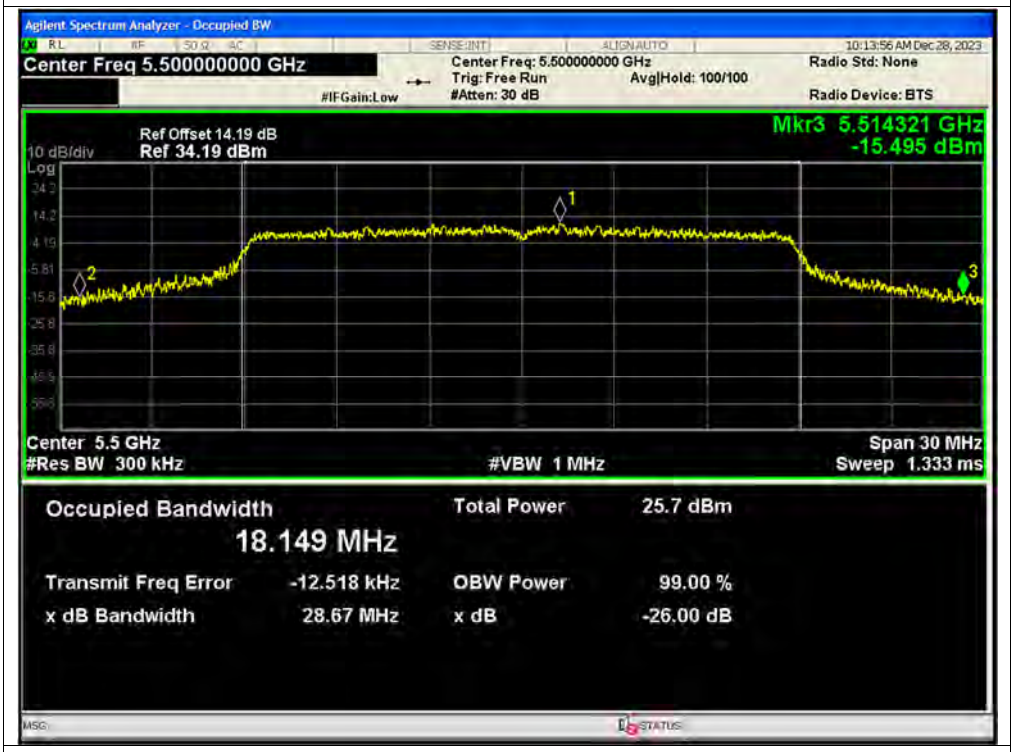
-26dB Bandwidth NVNT n20 5300MHz Ant1 SISO



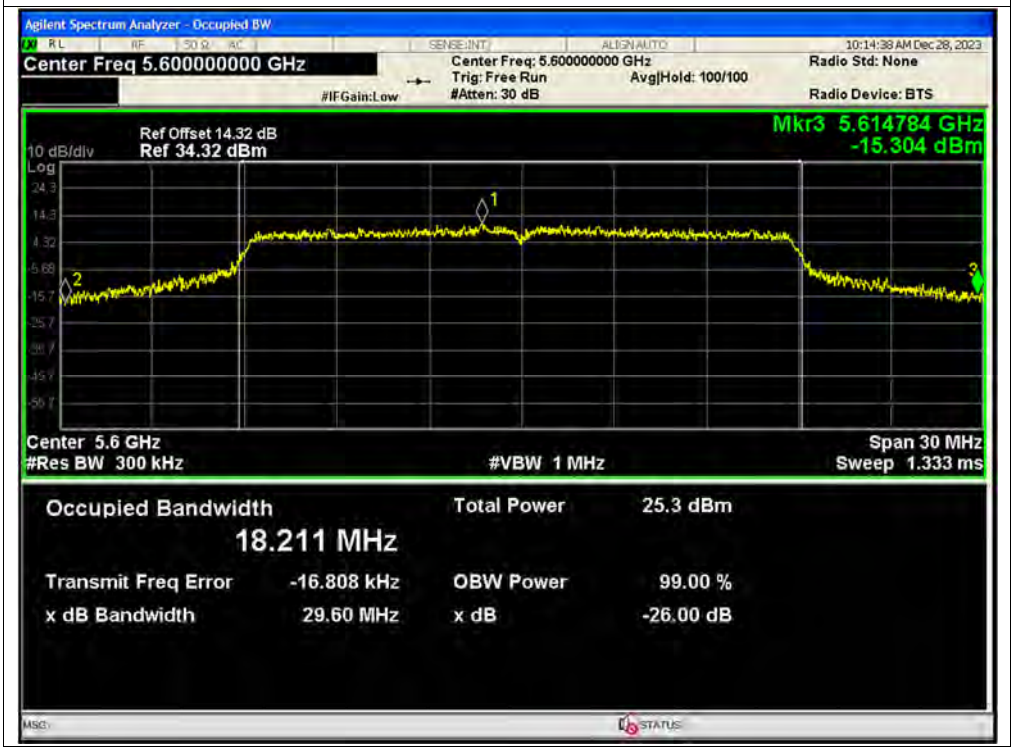
-26dB Bandwidth NVNT n20 5320MHz Ant1 SISO



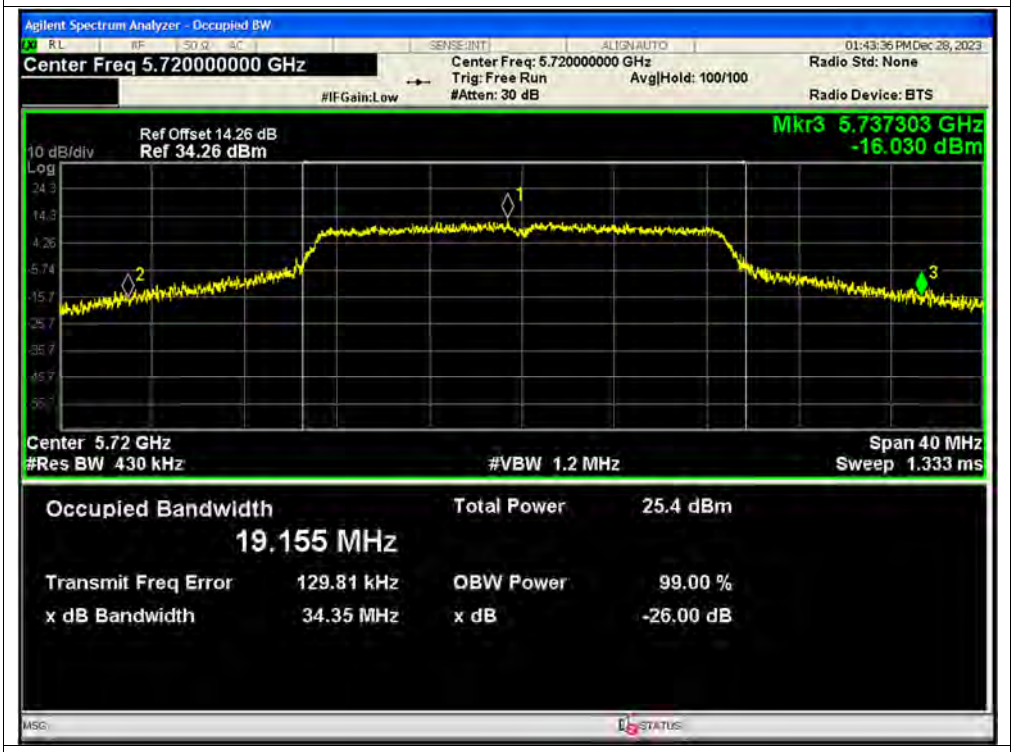
-26dB Bandwidth NVNT n20 5500MHz Ant1 SISO



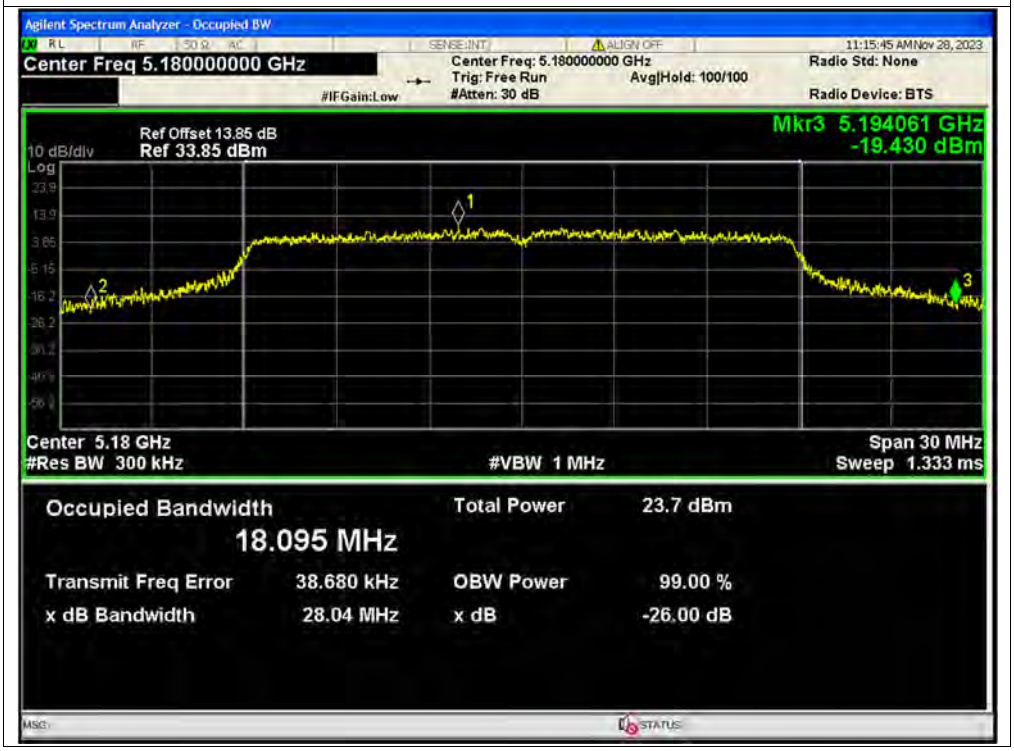
-26dB Bandwidth NVNT n20 5600MHz Ant1 SISO



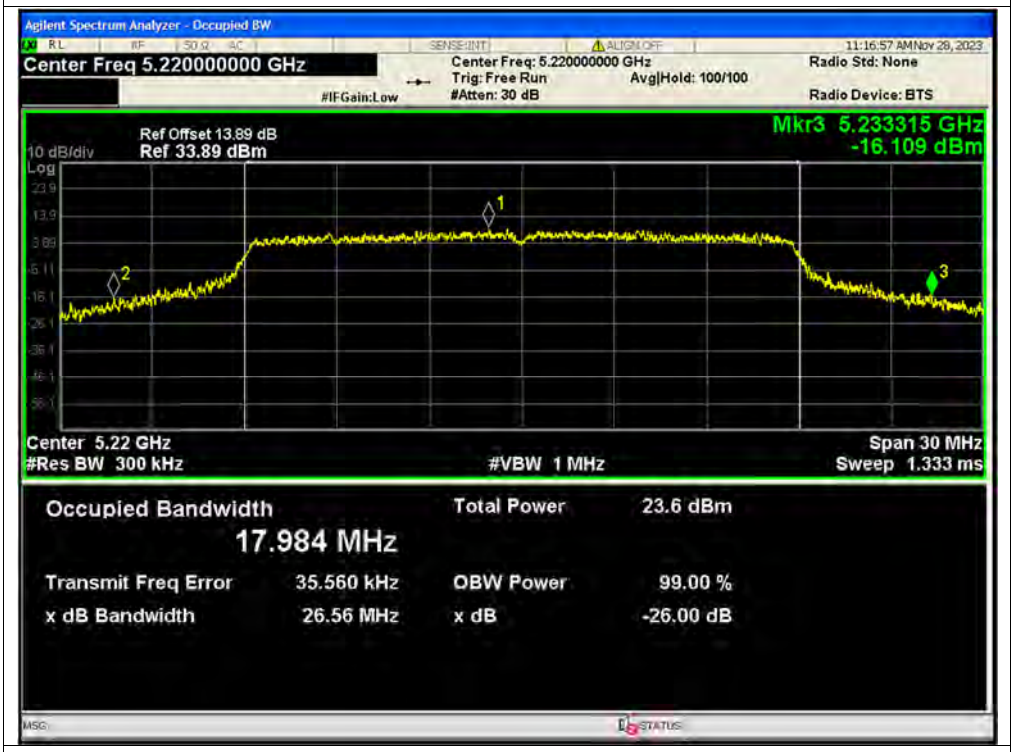
-26dB Bandwidth NVNT n20 5720MHz Ant1 SISO



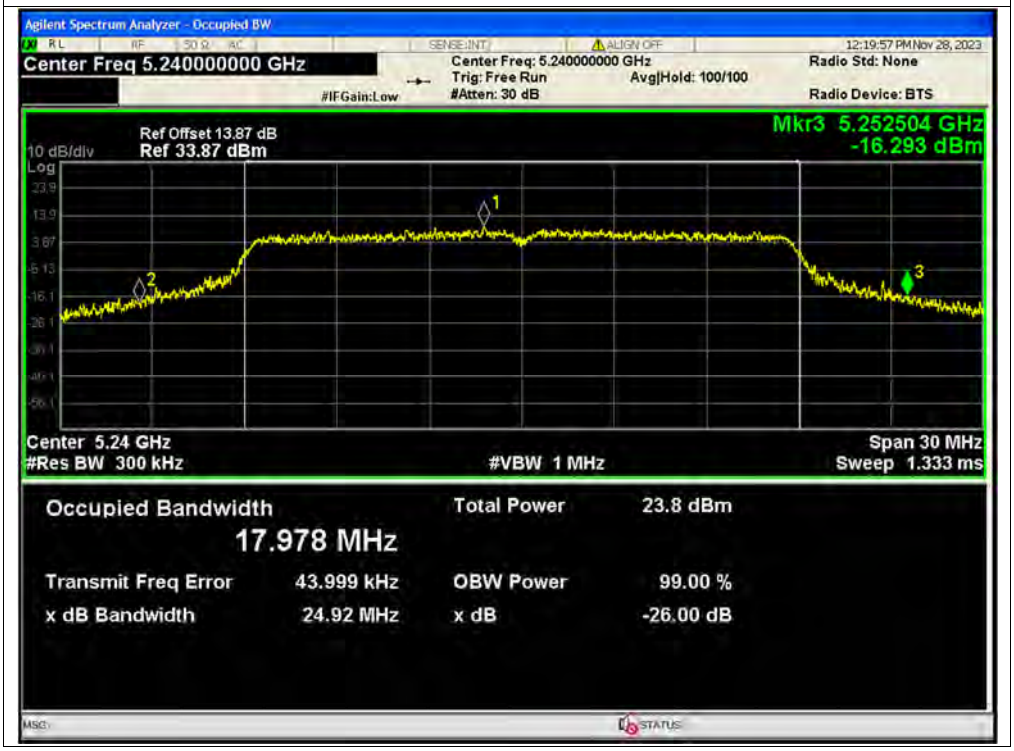
-26dB Bandwidth NVNT n20 5180MHz Ant2 SISO



-26dB Bandwidth NVNT n20 5220MHz Ant2 SISO

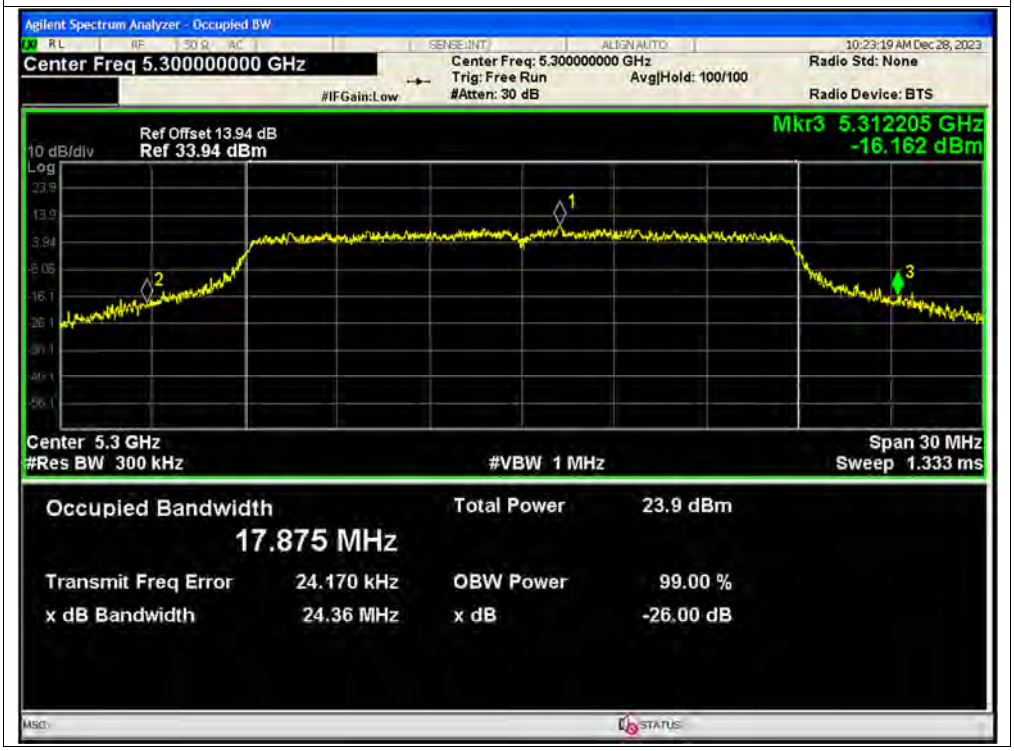


-26dB Bandwidth NVNT n20 5240MHz Ant2 SISO



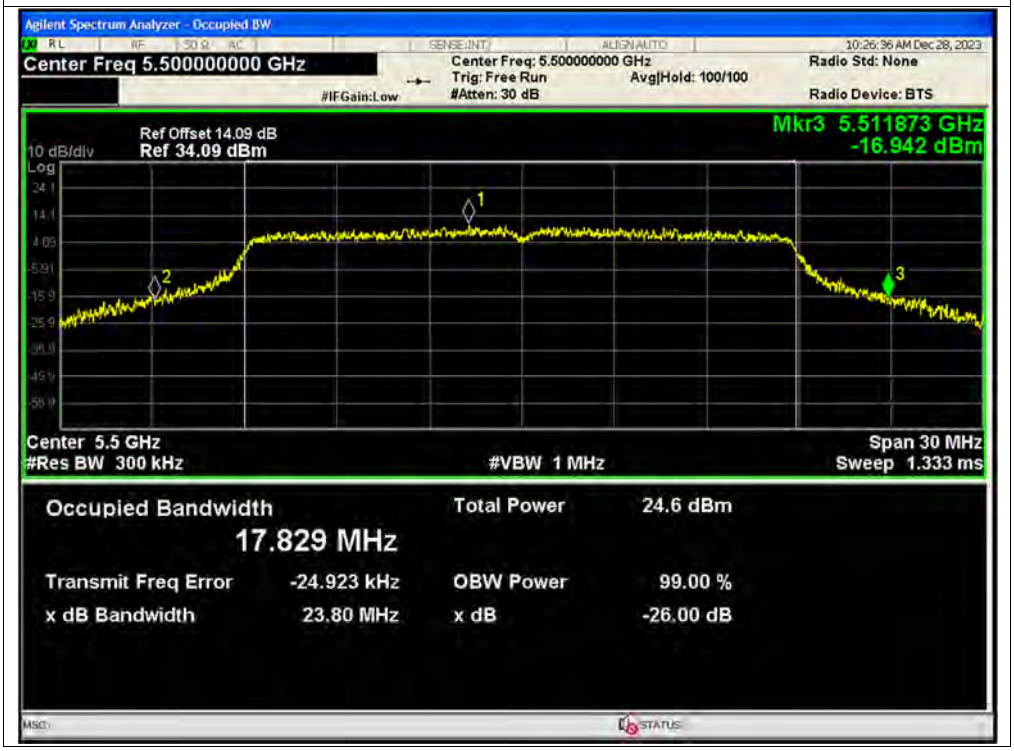
-26dB Bandwidth NVNT n20 5260MHz Ant2 SISO

-26dB Bandwidth NVNT n20 5300MHz Ant2 SISO

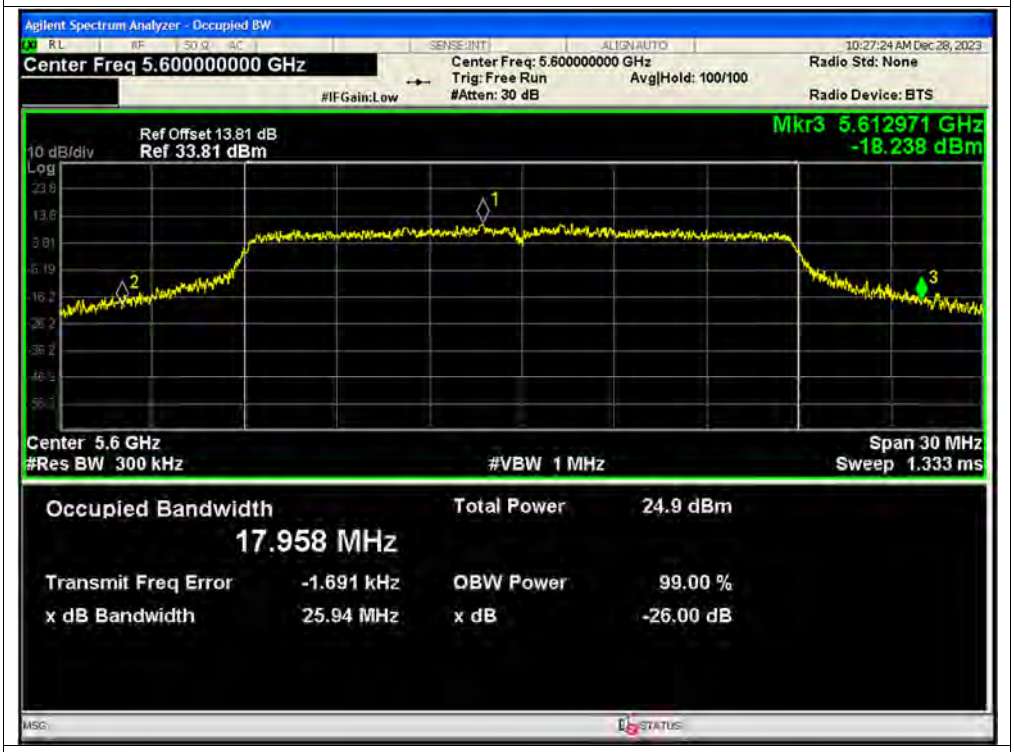


-26dB Bandwidth NVNT n20 5320MHz Ant2 SISO

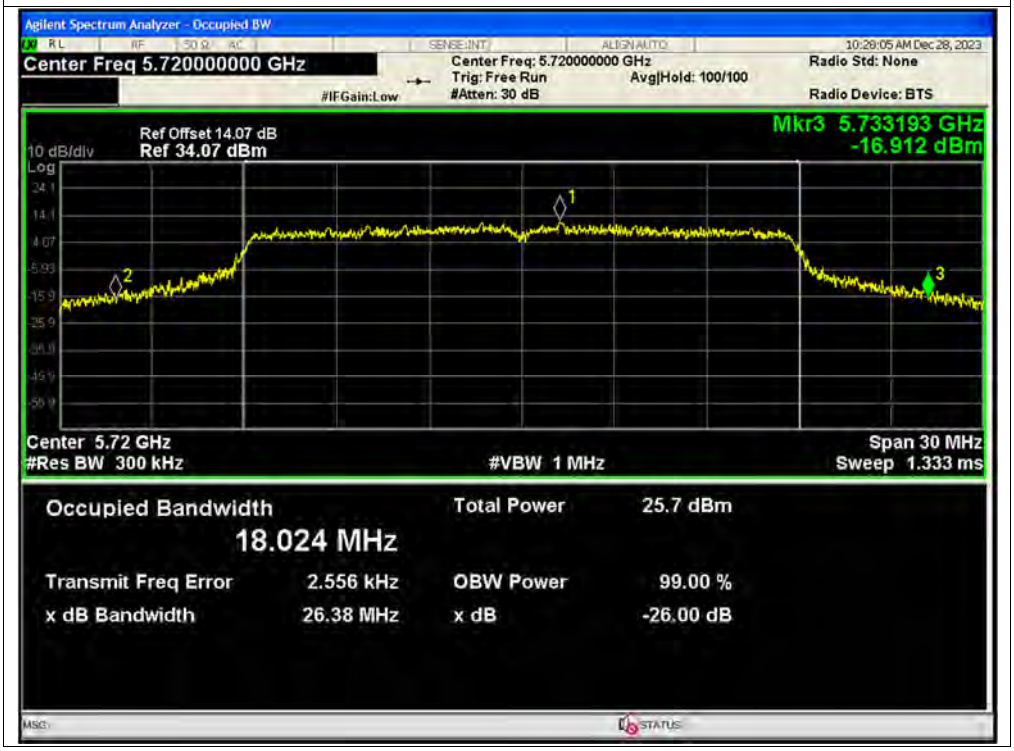
-26dB Bandwidth NVNT n20 5500MHz Ant2 SISO



-26dB Bandwidth NVNT n20 5600MHz Ant2 SISO

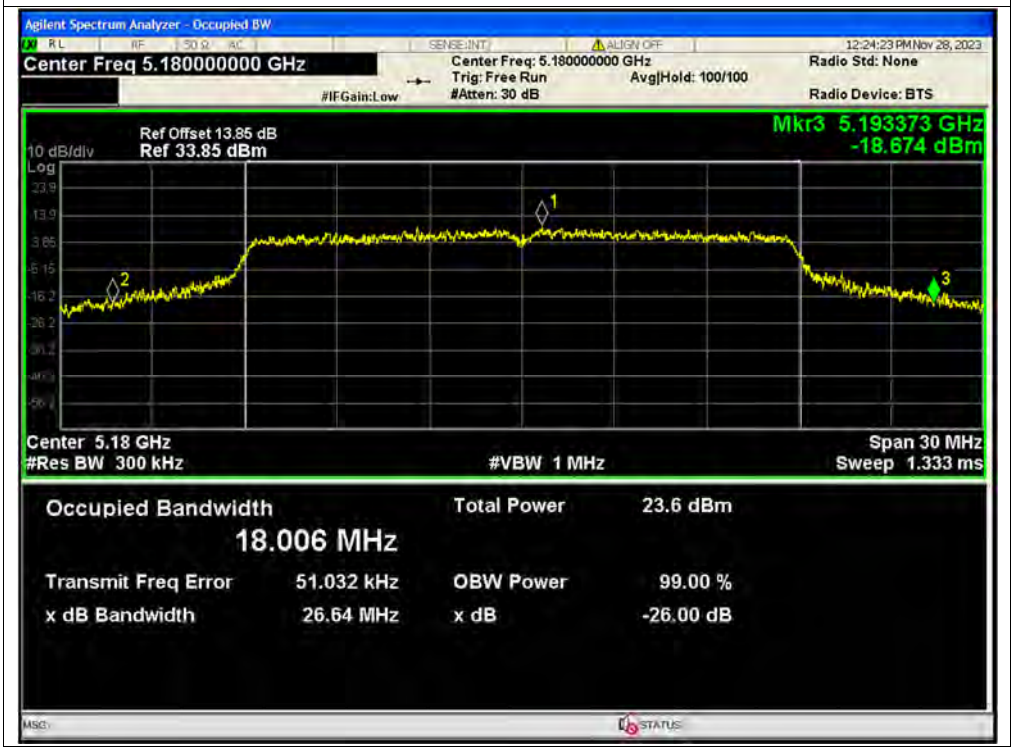


-26dB Bandwidth NVNT n20 5720MHz Ant2 SISO

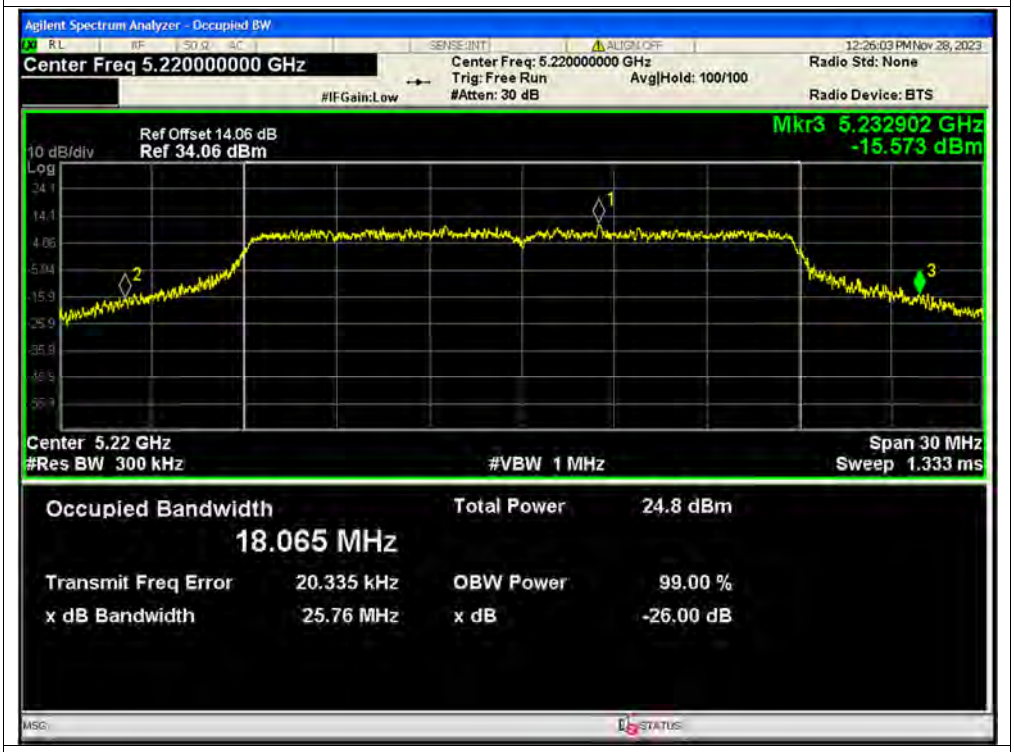


-26dB Bandwidth NVNT n20 5180MHz Ant1 MIMO

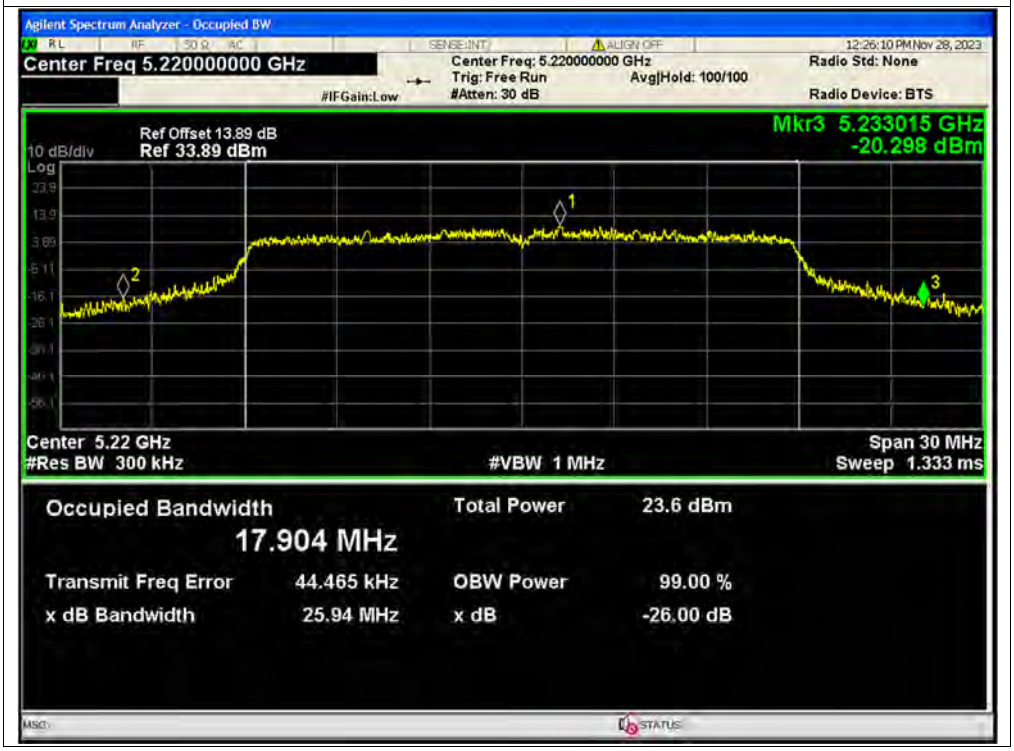
-26dB Bandwidth NVNT n20 5180MHz Ant2 MIMO



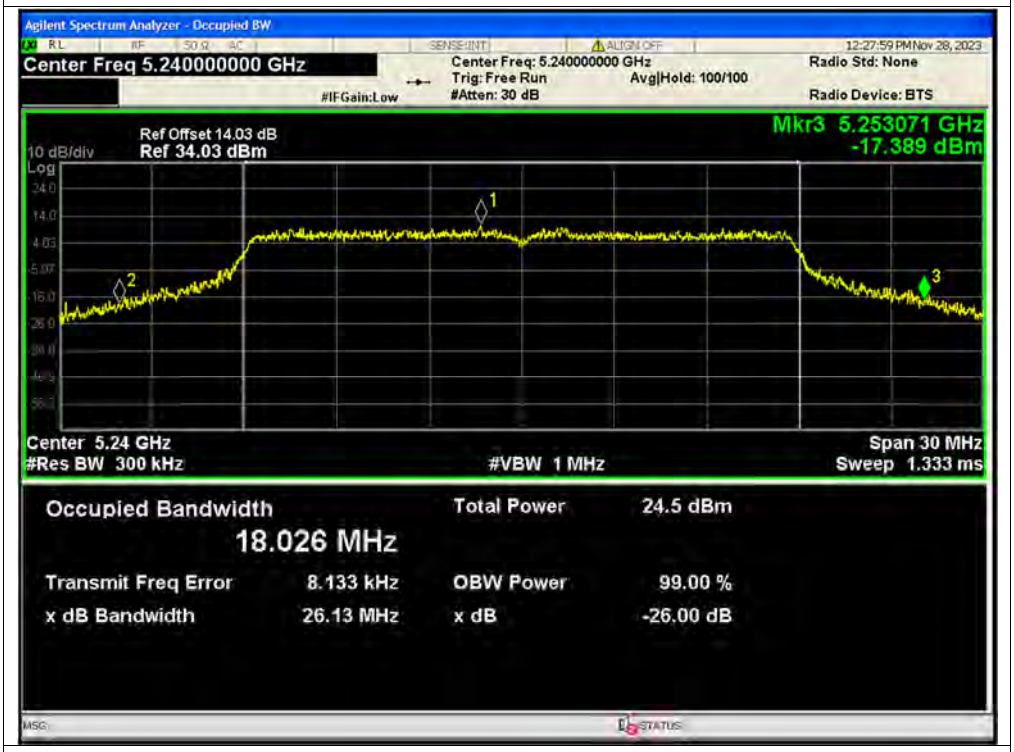
-26dB Bandwidth NVNT n20 5220MHz Ant1 MIMO



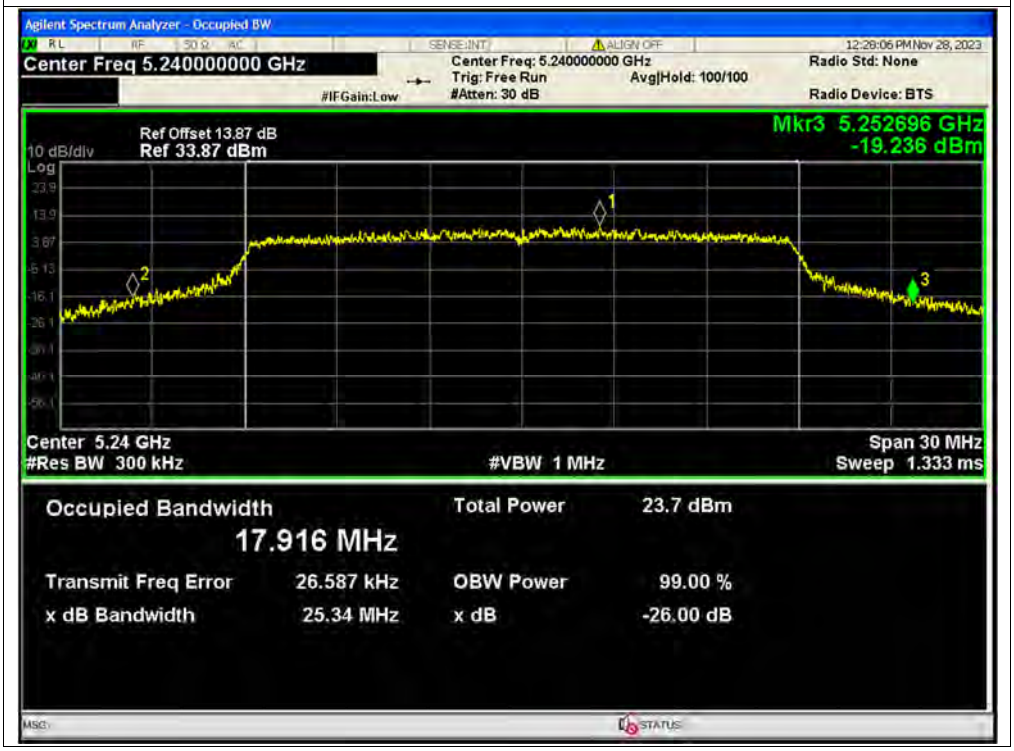
-26dB Bandwidth NVNT n20 5220MHz Ant2 MIMO



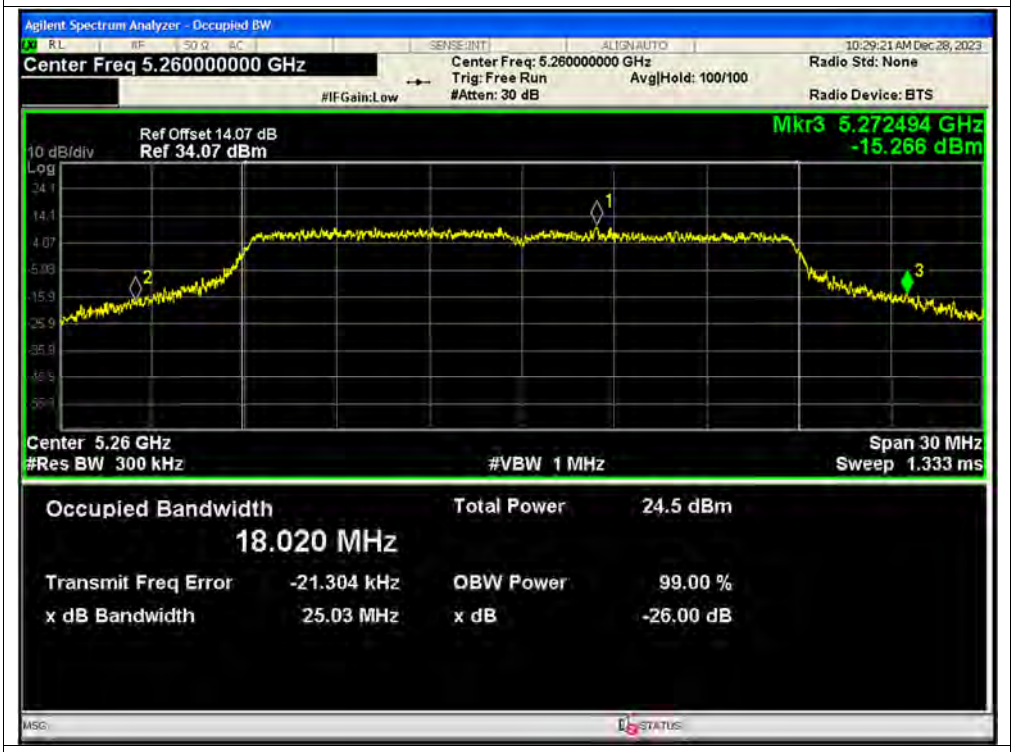
-26dB Bandwidth NVNT n20 5240MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5240MHz Ant2 MIMO

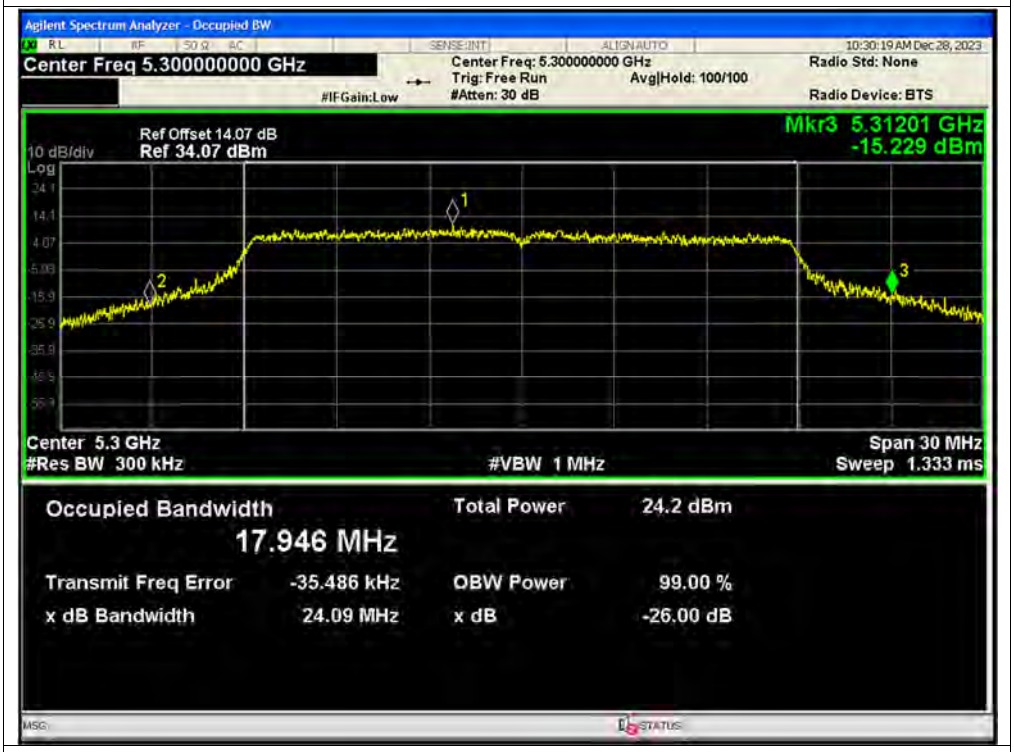


-26dB Bandwidth NVNT n20 5260MHz Ant1 MIMO

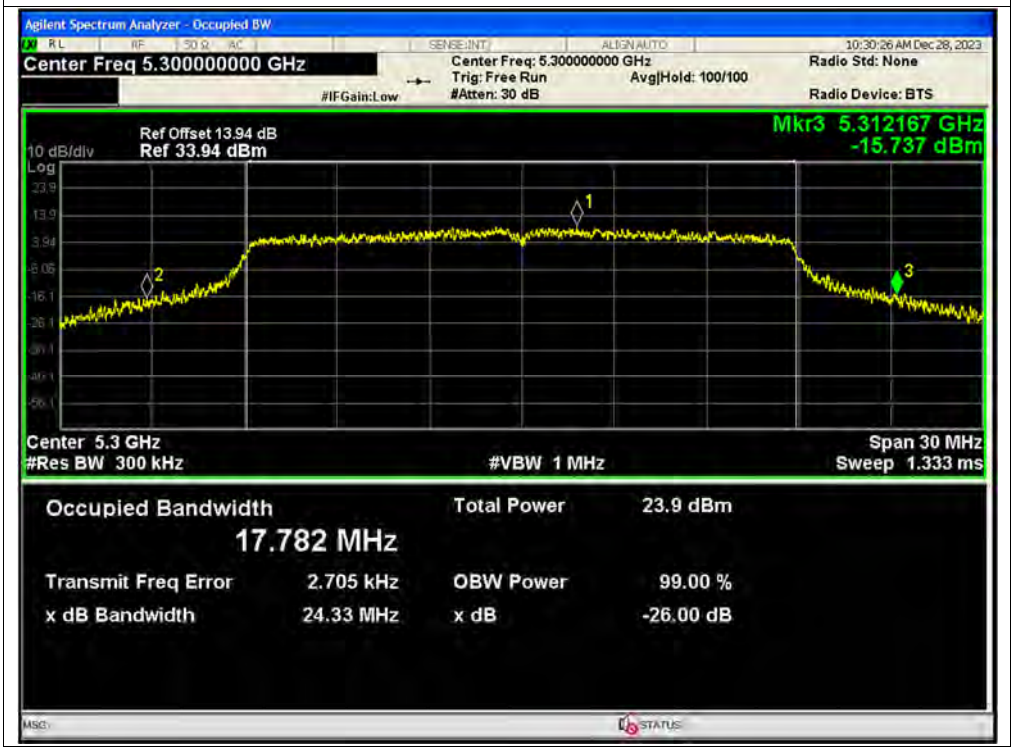


-26dB Bandwidth NVNT n20 5260MHz Ant2 MIMO

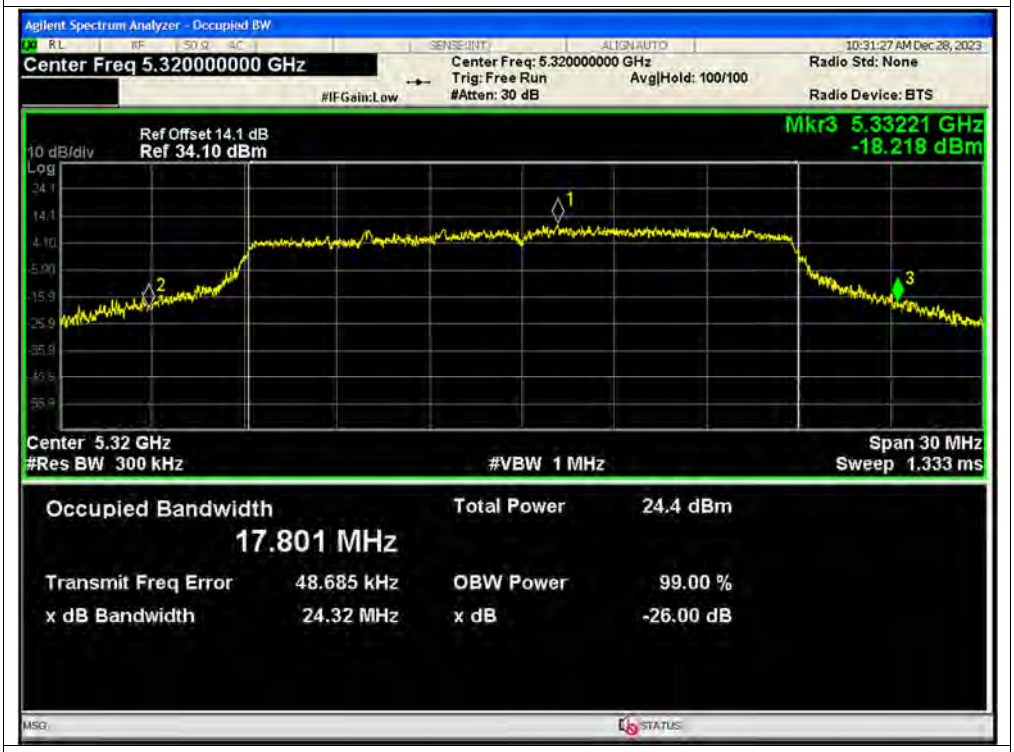
-26dB Bandwidth NVNT n20 5300MHz Ant1 MIMO



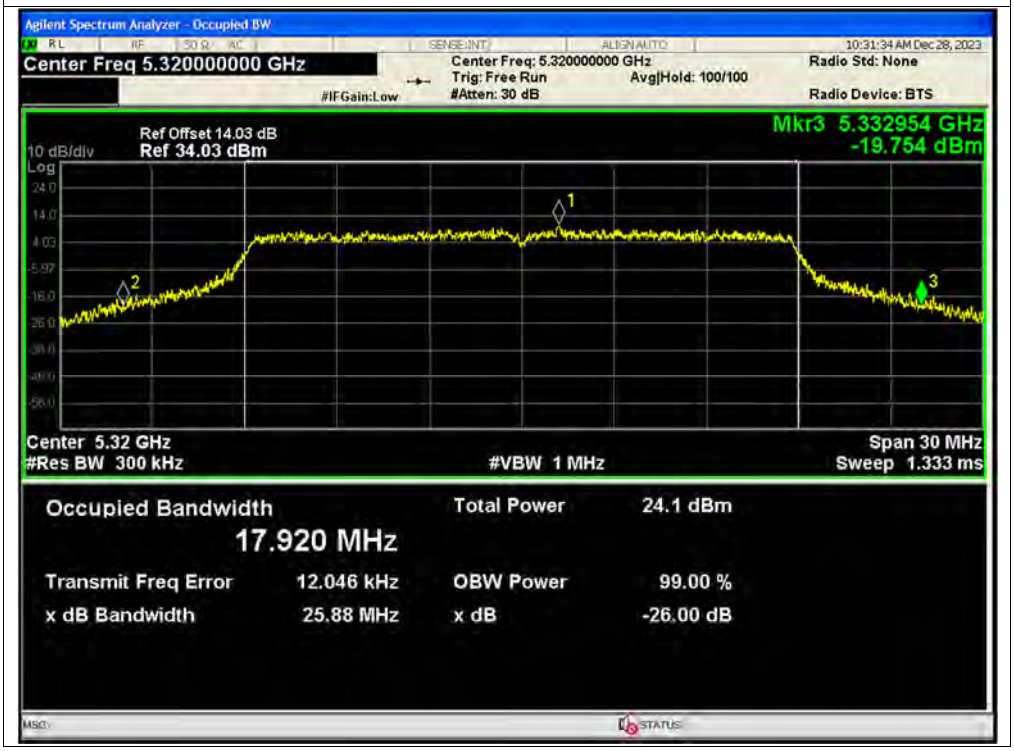
-26dB Bandwidth NVNT n20 5300MHz Ant2 MIMO



-26dB Bandwidth NVNT n20 5320MHz Ant1 MIMO

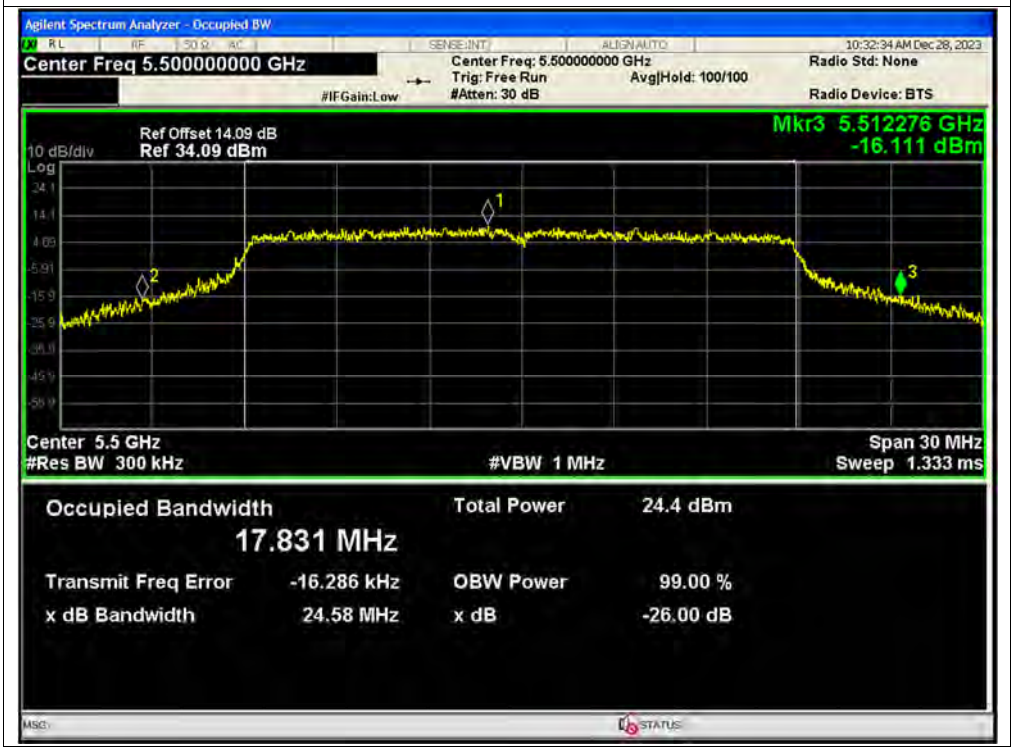


-26dB Bandwidth NVNT n20 5320MHz Ant2 MIMO



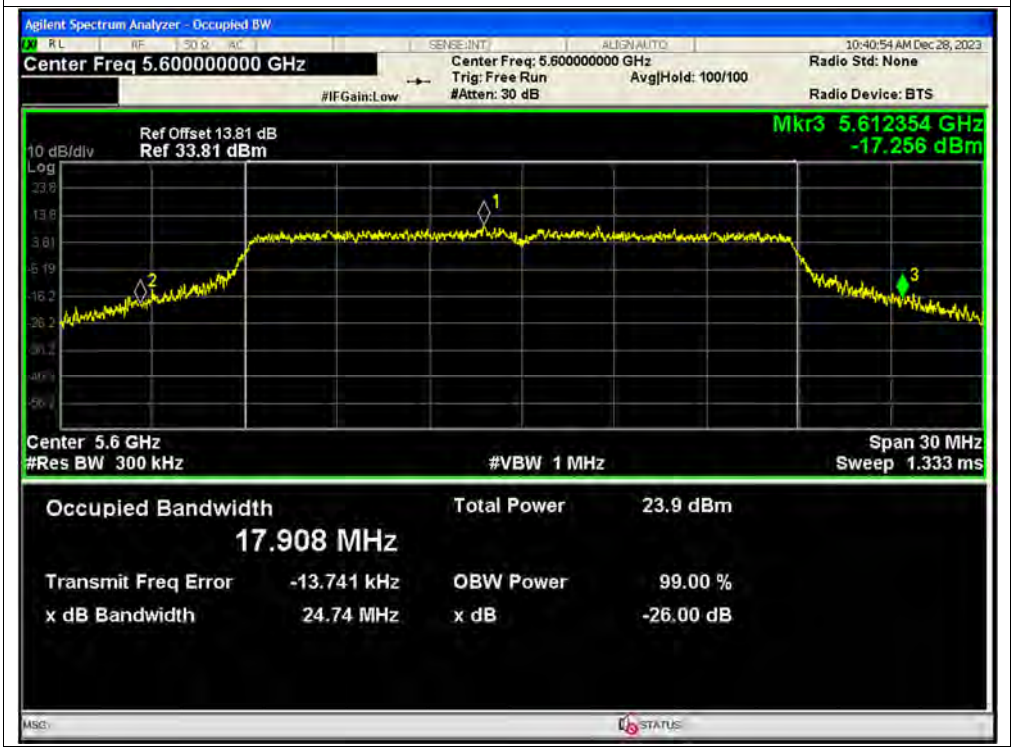
-26dB Bandwidth NVNT n20 5500MHz Ant1 MIMO

-26dB Bandwidth NVNT n20 5500MHz Ant2 MIMO



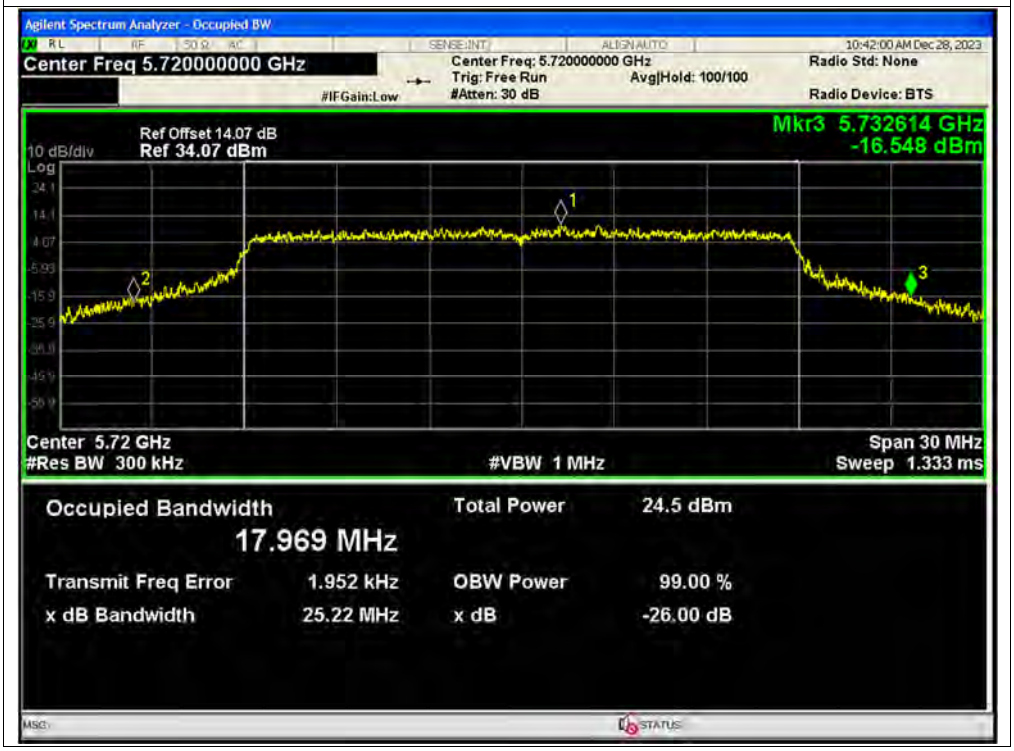
-26dB Bandwidth NVNT n20 5600MHz Ant1 MIMO

-26dB Bandwidth NVNT n20 5600MHz Ant2 MIMO



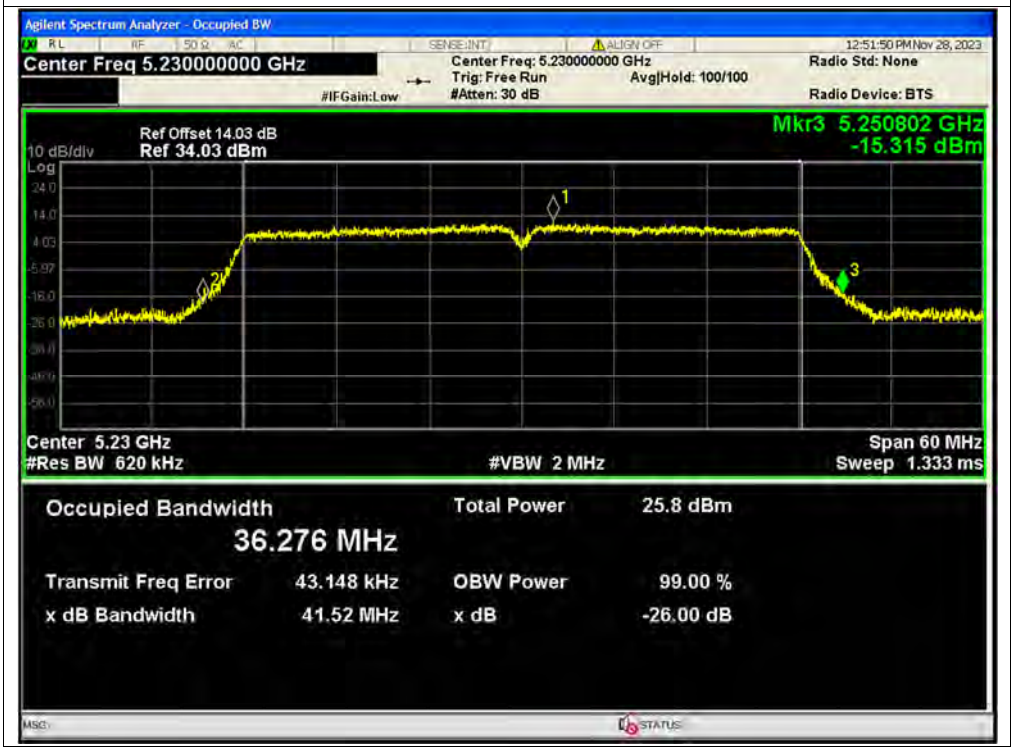
-26dB Bandwidth NVNT n20 5720MHz Ant1 MIMO

-26dB Bandwidth NVNT n20 5720MHz Ant2 MIMO



-26dB Bandwidth NVNT n40 5190MHz Ant1 SISO

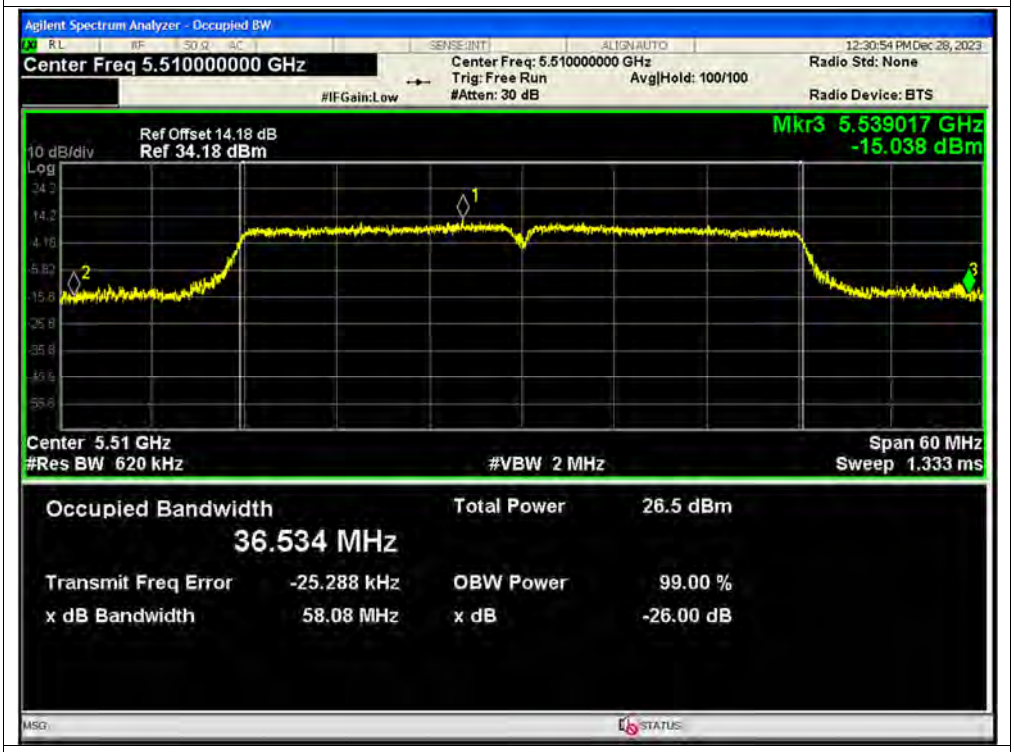
-26dB Bandwidth NVNT n40 5230MHz Ant1 SISO



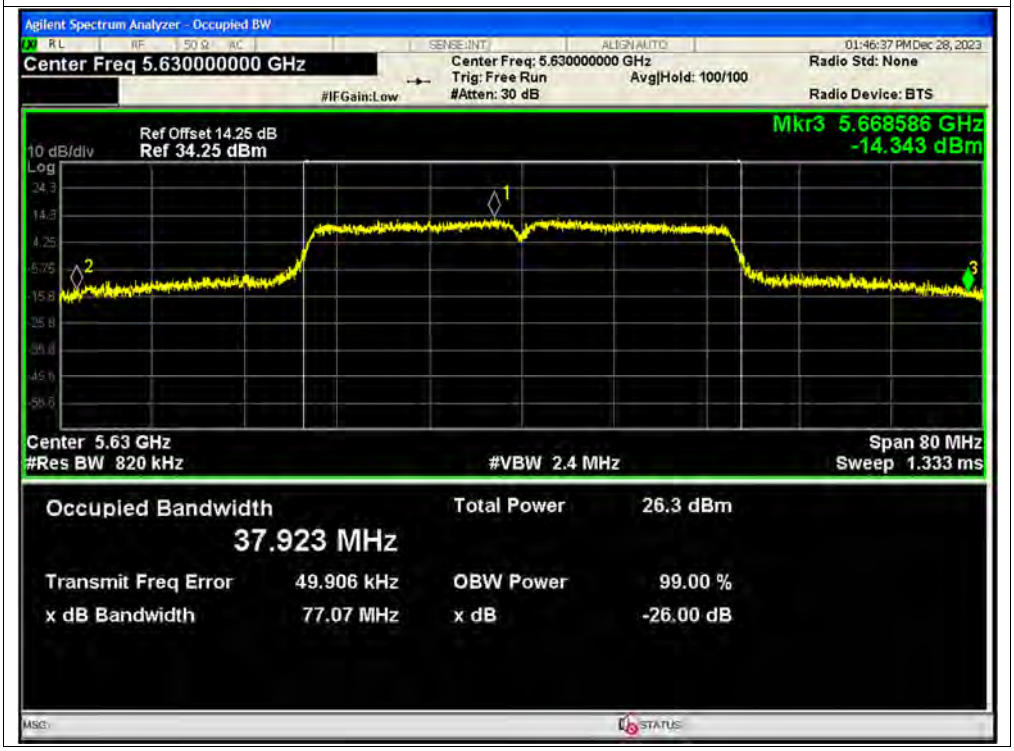
-26dB Bandwidth NVNT n40 5270MHz Ant1 SISO

-26dB Bandwidth NVNT n40 5310MHz Ant1 SISO

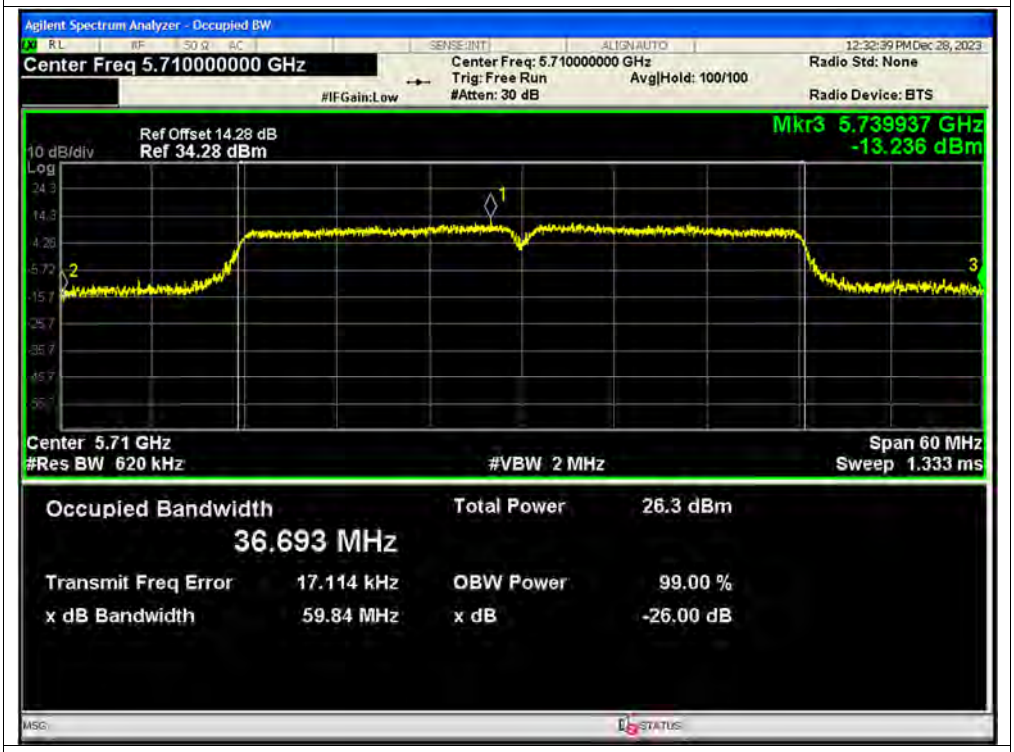
-26dB Bandwidth NVNT n40 5510MHz Ant1 SISO



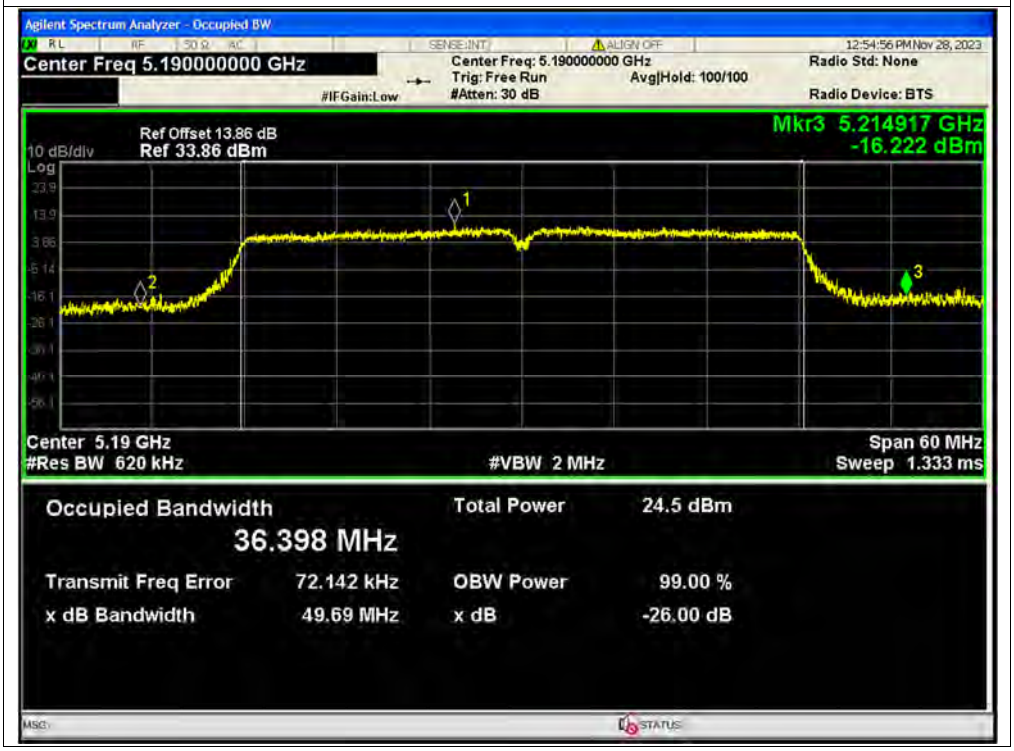
-26dB Bandwidth NVNT n40 5630MHz Ant1 SISO



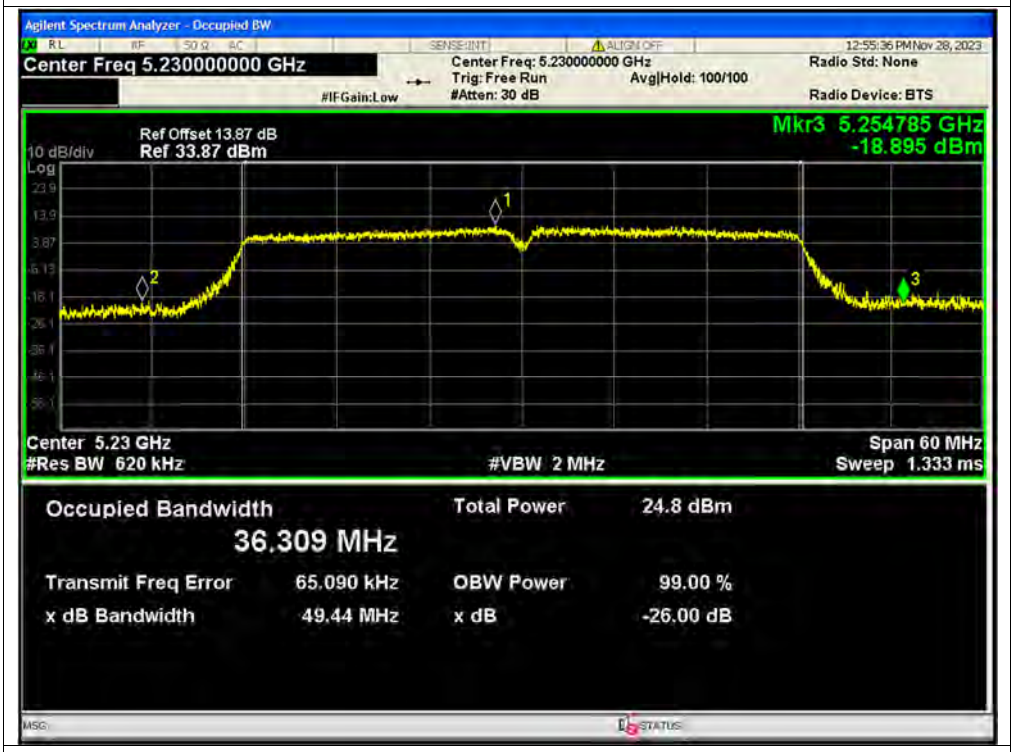
-26dB Bandwidth NVNT n40 5710MHz Ant1 SISO



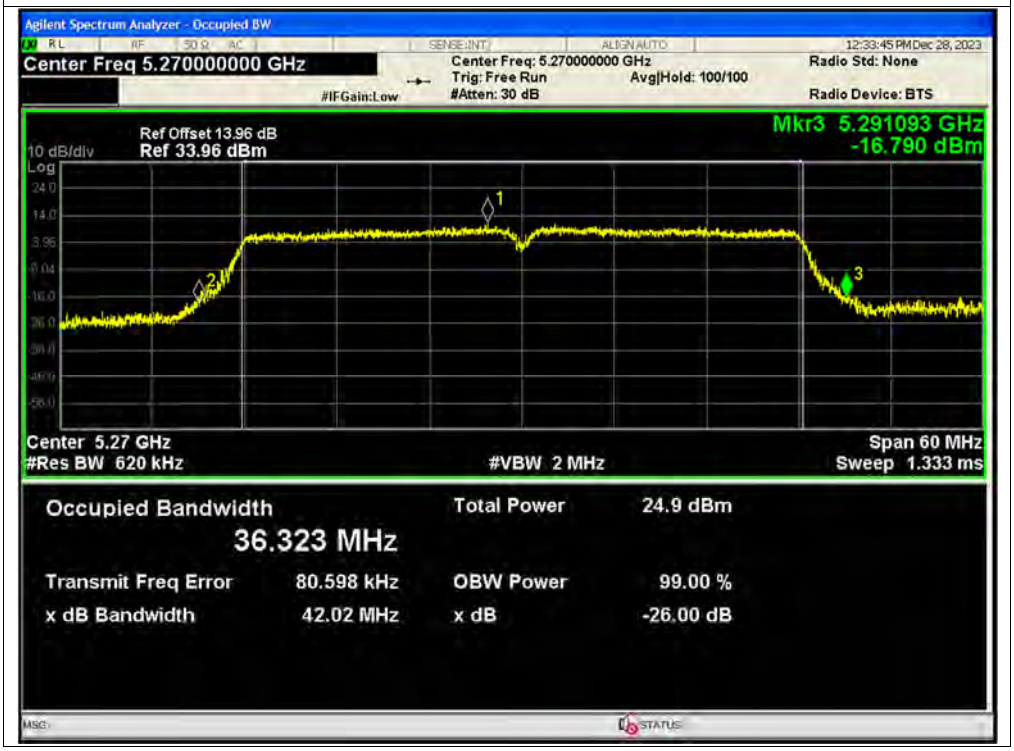
-26dB Bandwidth NVNT n40 5190MHz Ant2 SISO



-26dB Bandwidth NVNT n40 5230MHz Ant2 SISO



-26dB Bandwidth NVNT n40 5270MHz Ant2 SISO

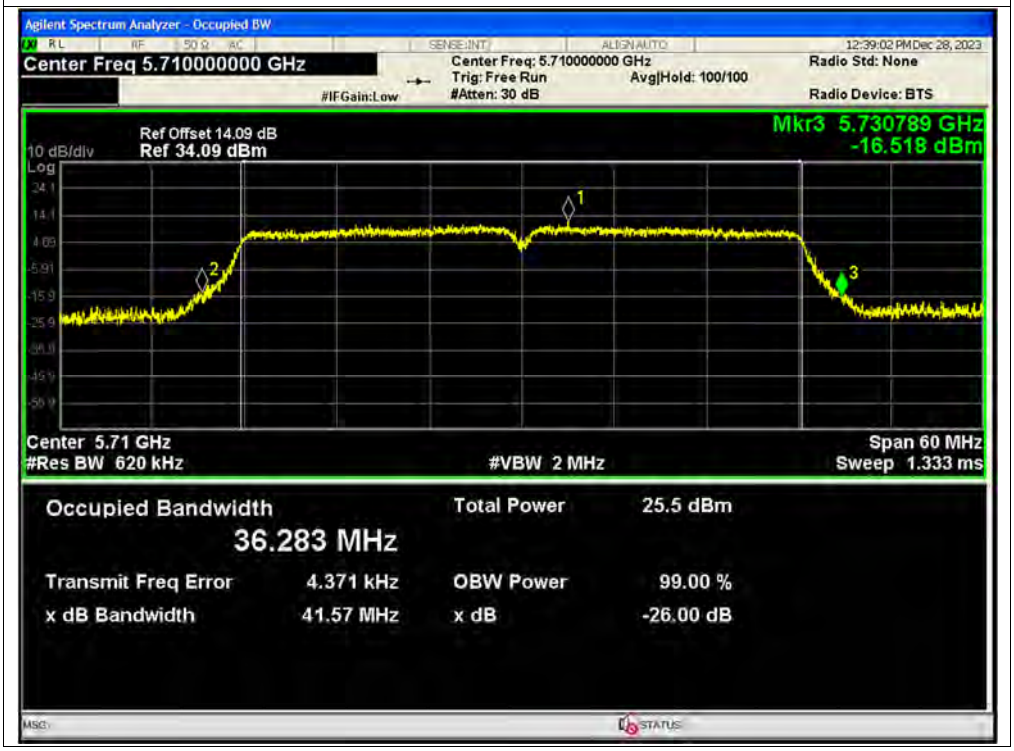


-26dB Bandwidth NVNT n40 5310MHz Ant2 SISO

-26dB Bandwidth NVNT n40 5510MHz Ant2 SISO

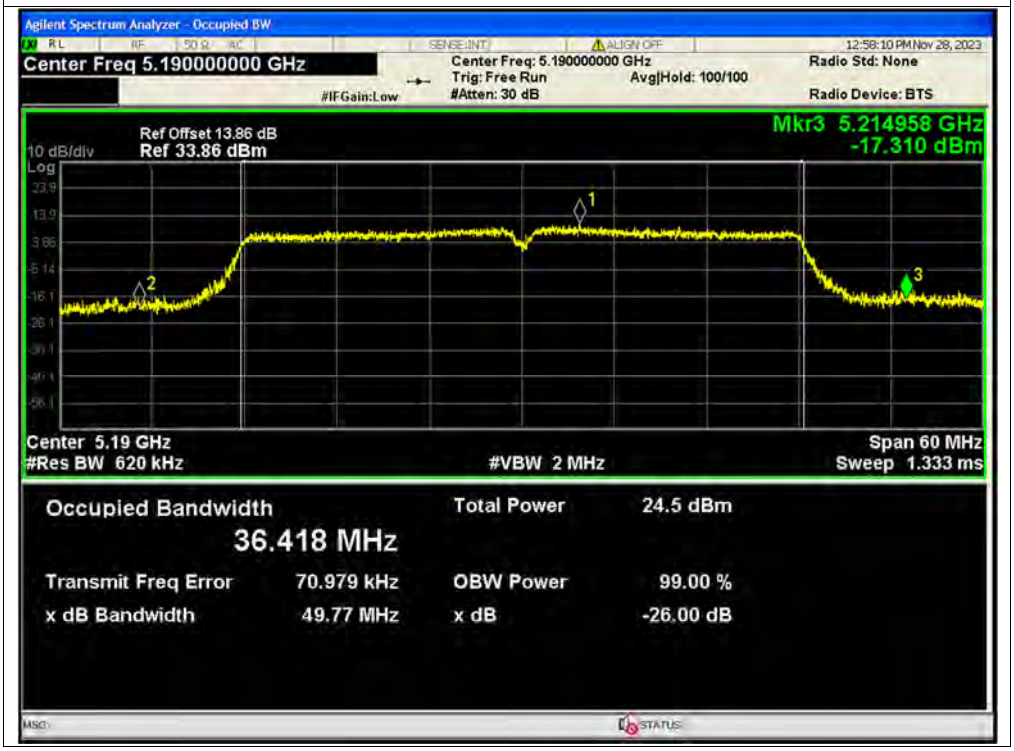
-26dB Bandwidth NVNT n40 5630MHz Ant2 SISO

-26dB Bandwidth NVNT n40 5710MHz Ant2 SISO



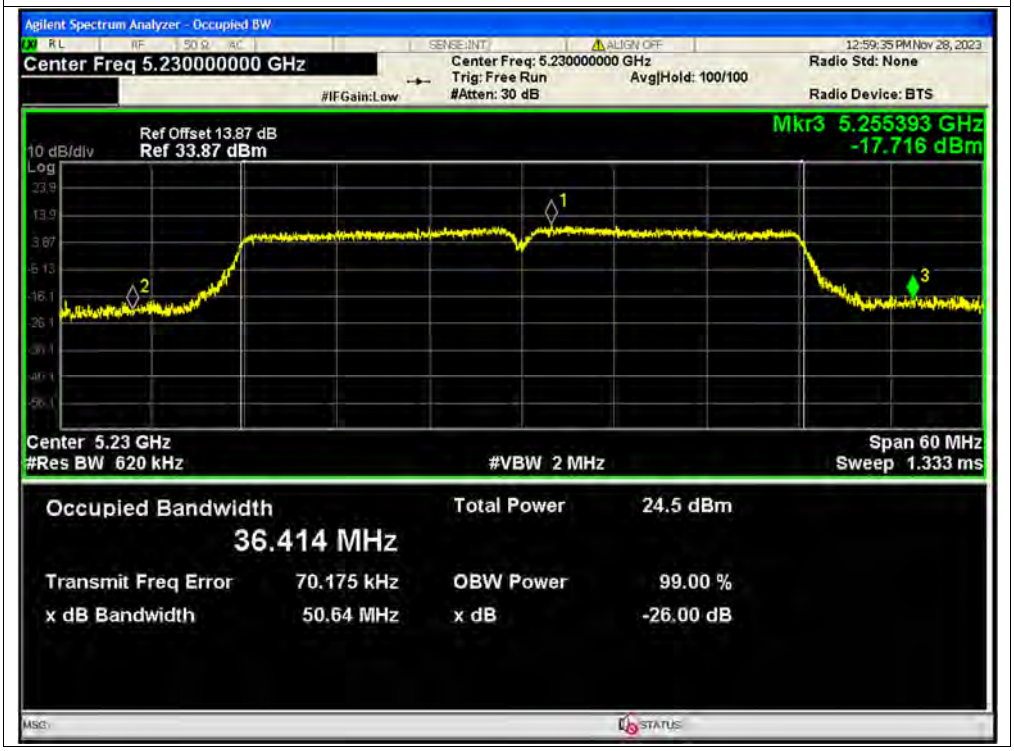
-26dB Bandwidth NVNT n40 5190MHz Ant1 MIMO

-26dB Bandwidth NVNT n40 5190MHz Ant2 MIMO

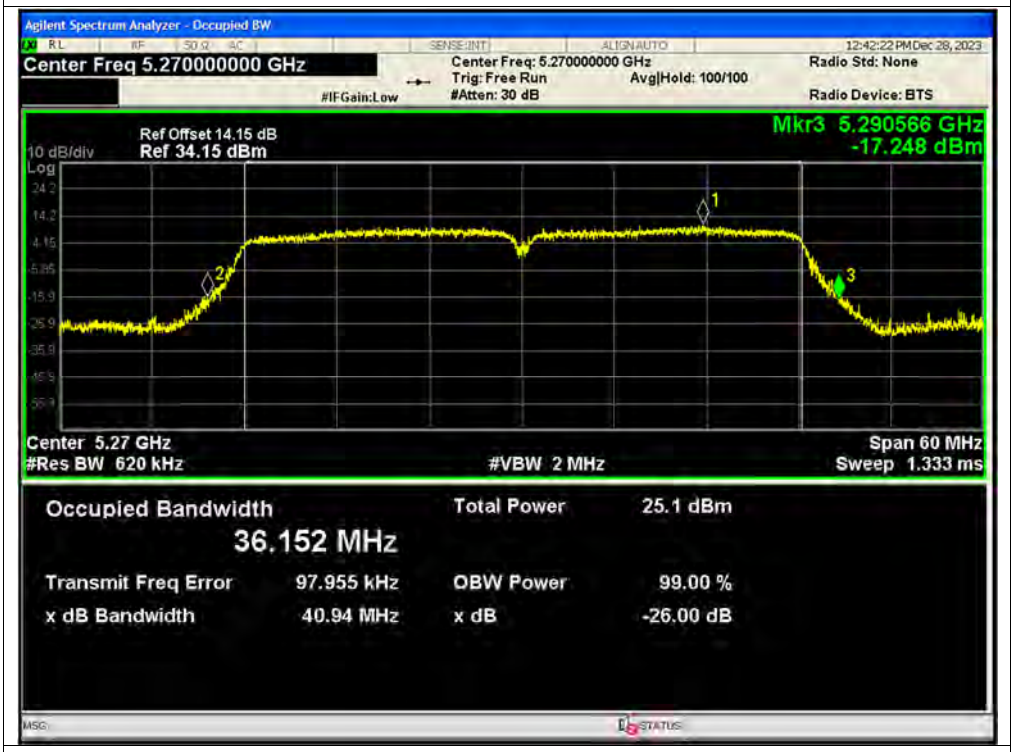


-26dB Bandwidth NVNT n40 5230MHz Ant1 MIMO

-26dB Bandwidth NVNT n40 5230MHz Ant2 MIMO



-26dB Bandwidth NVNT n40 5270MHz Ant1 MIMO

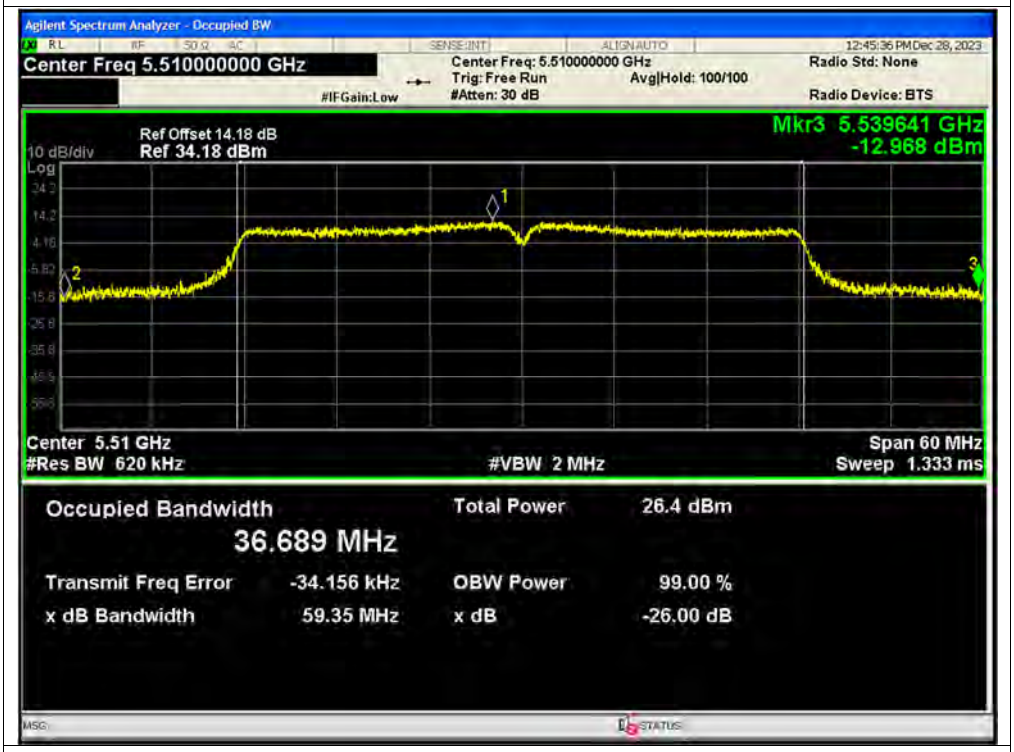


-26dB Bandwidth NVNT n40 5270MHz Ant2 MIMO

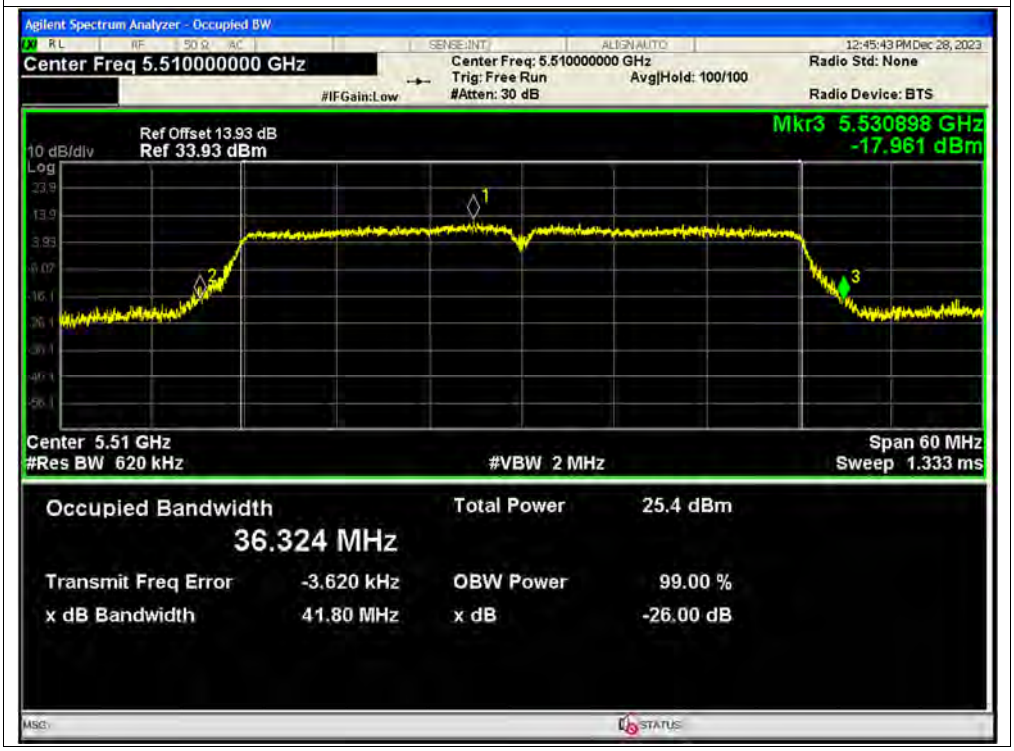
-26dB Bandwidth NVNT n40 5310MHz Ant1 MIMO

-26dB Bandwidth NVNT n40 5310MHz Ant2 MIMO

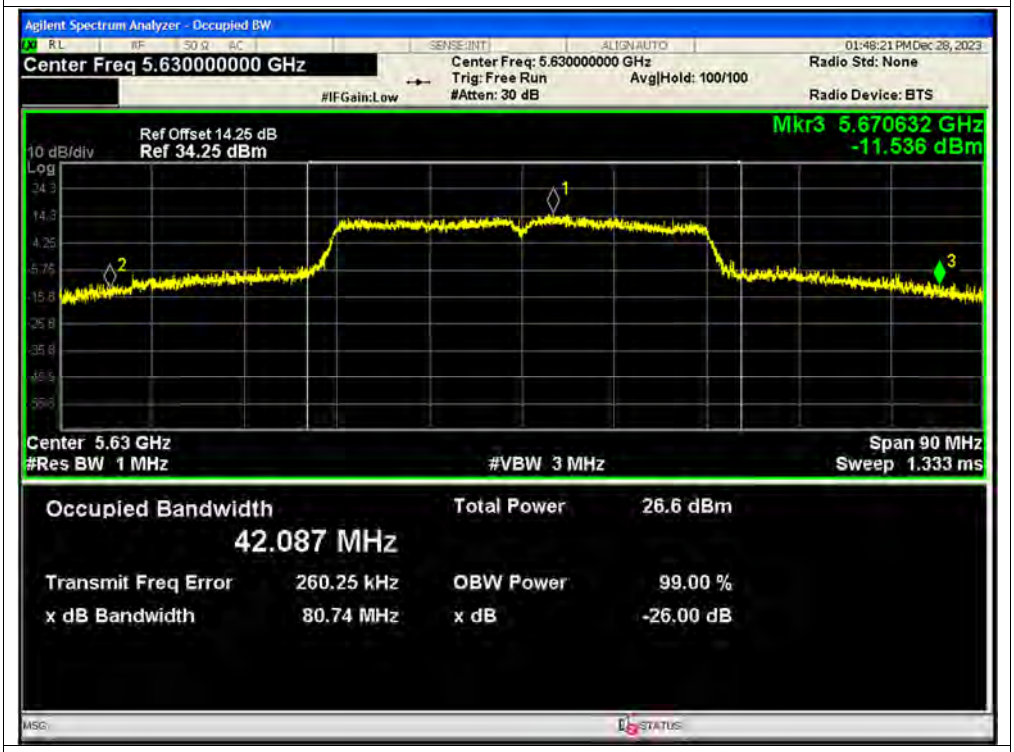
-26dB Bandwidth NVNT n40 5510MHz Ant1 MIMO



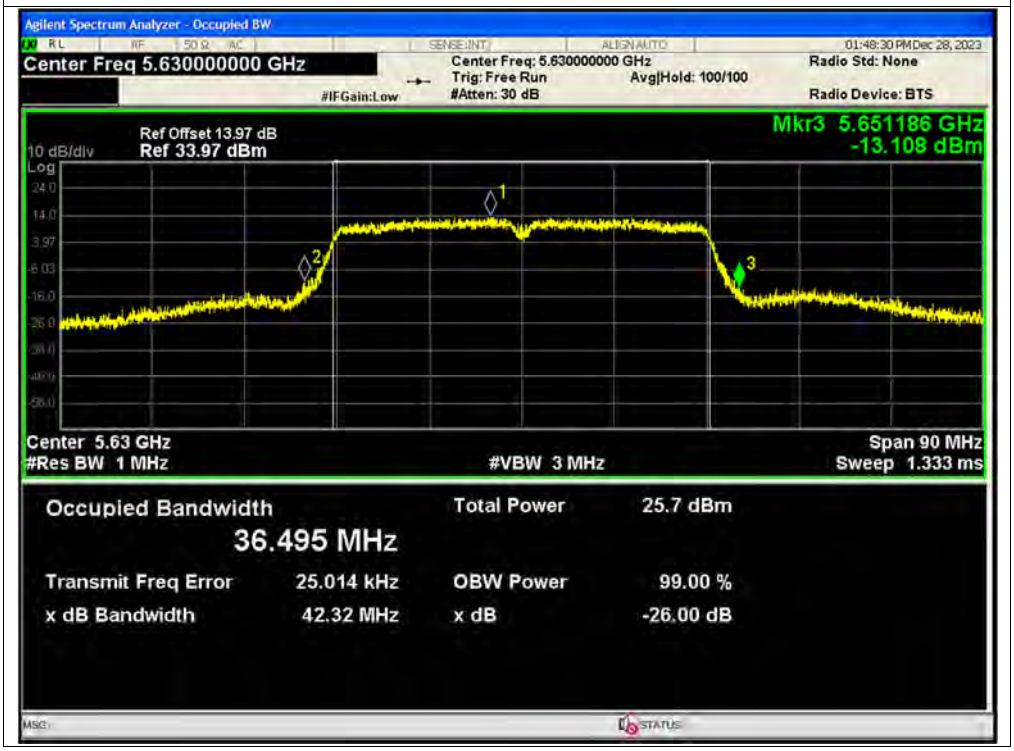
-26dB Bandwidth NVNT n40 5510MHz Ant2 MIMO



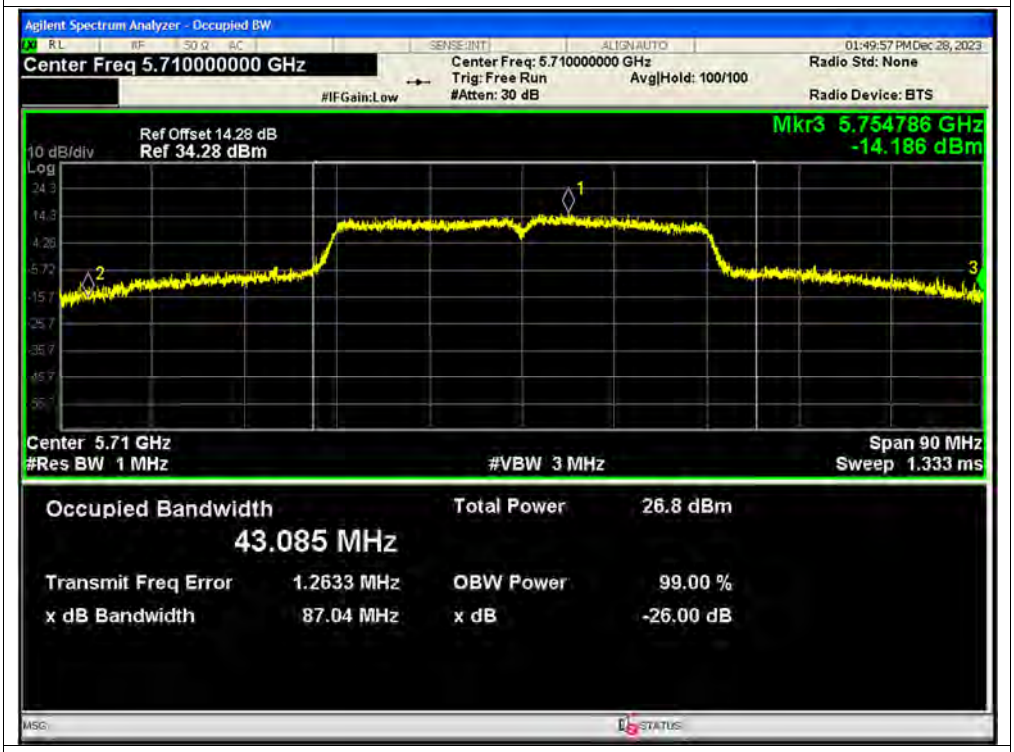
-26dB Bandwidth NVNT n40 5630MHz Ant1 MIMO



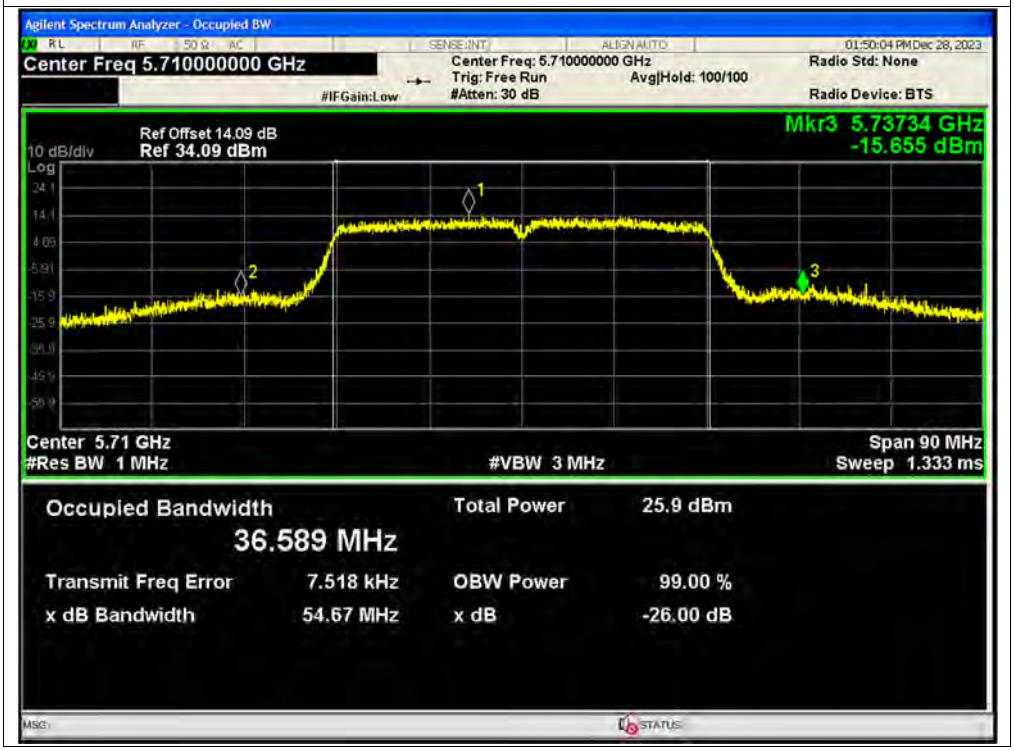
-26dB Bandwidth NVNT n40 5630MHz Ant2 MIMO



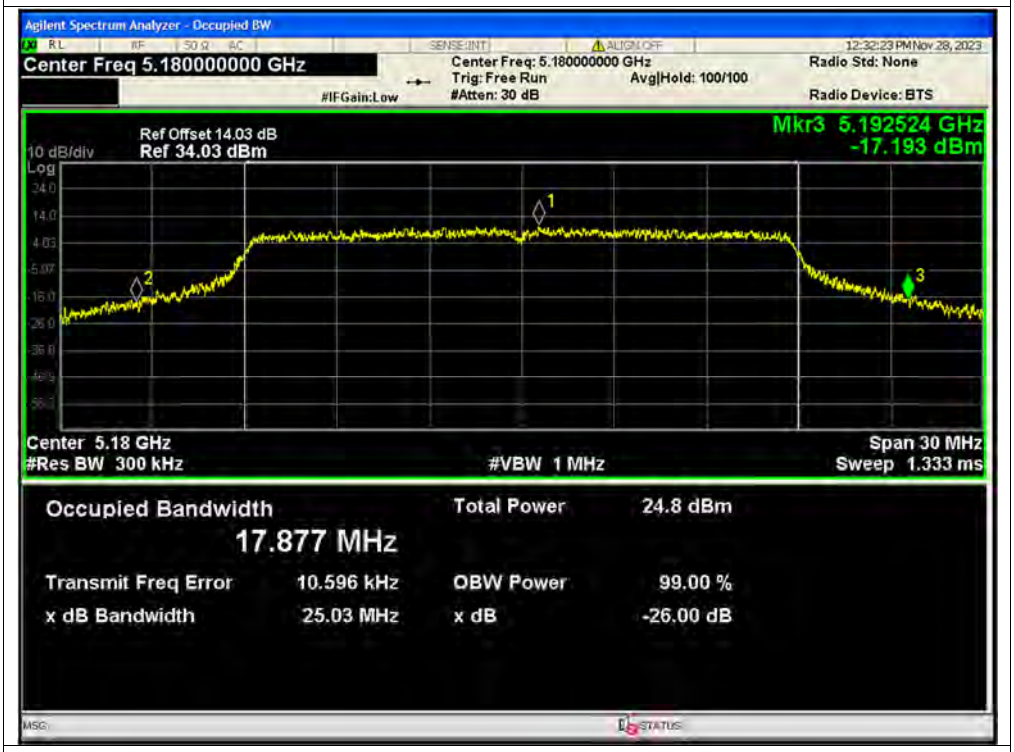
-26dB Bandwidth NVNT n40 5710MHz Ant1 MIMO



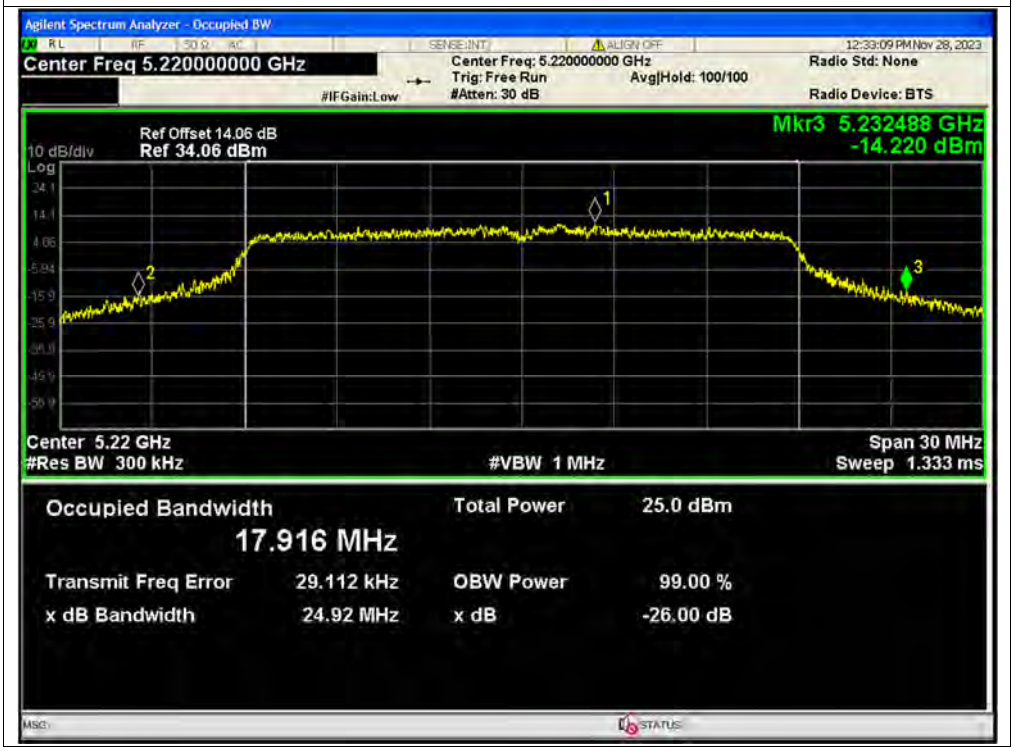
-26dB Bandwidth NVNT n40 5710MHz Ant2 MIMO



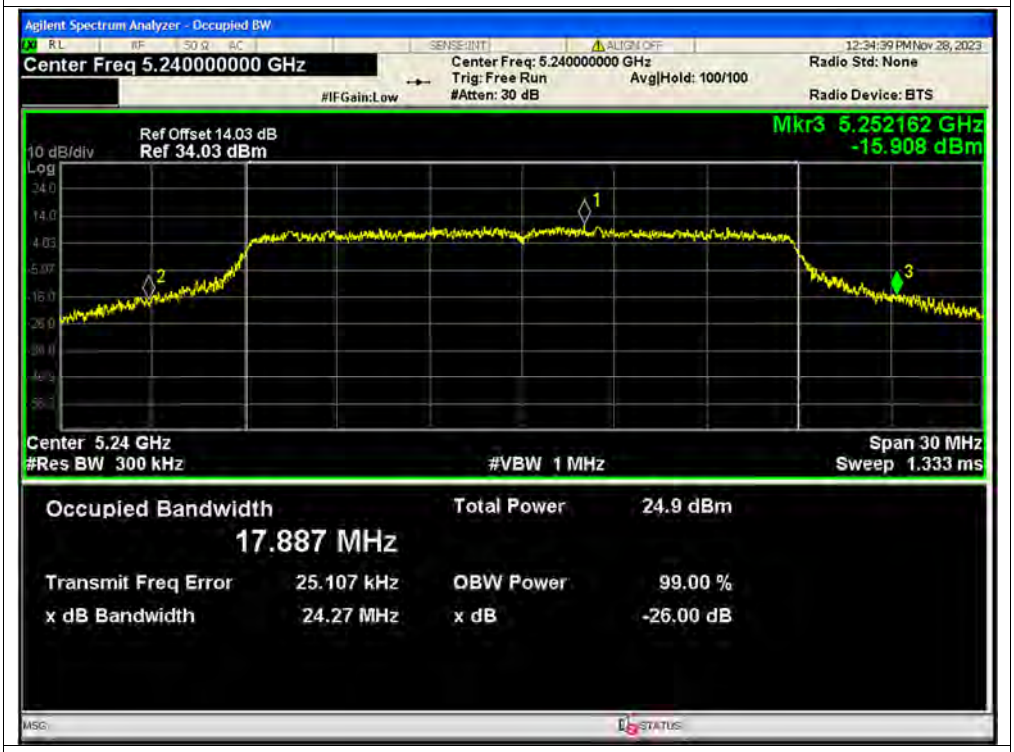
-26dB Bandwidth NVNT ac20 5180MHz Ant1 SISO



-26dB Bandwidth NVNT ac20 5220MHz Ant1 SISO

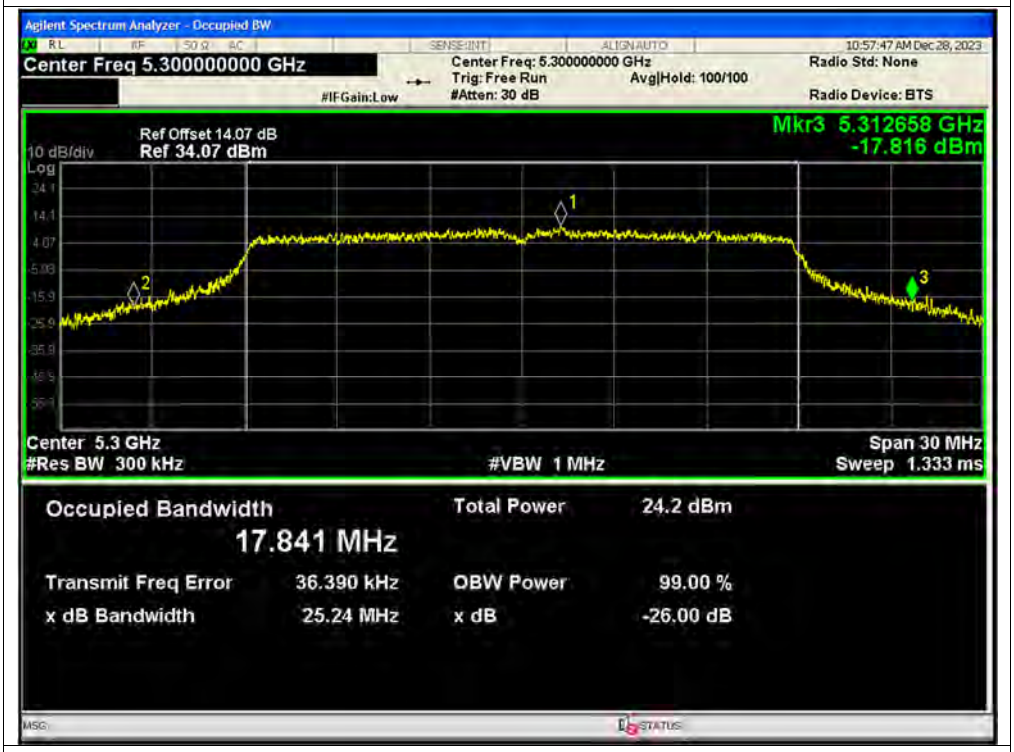


-26dB Bandwidth NVNT ac20 5240MHz Ant1 SISO

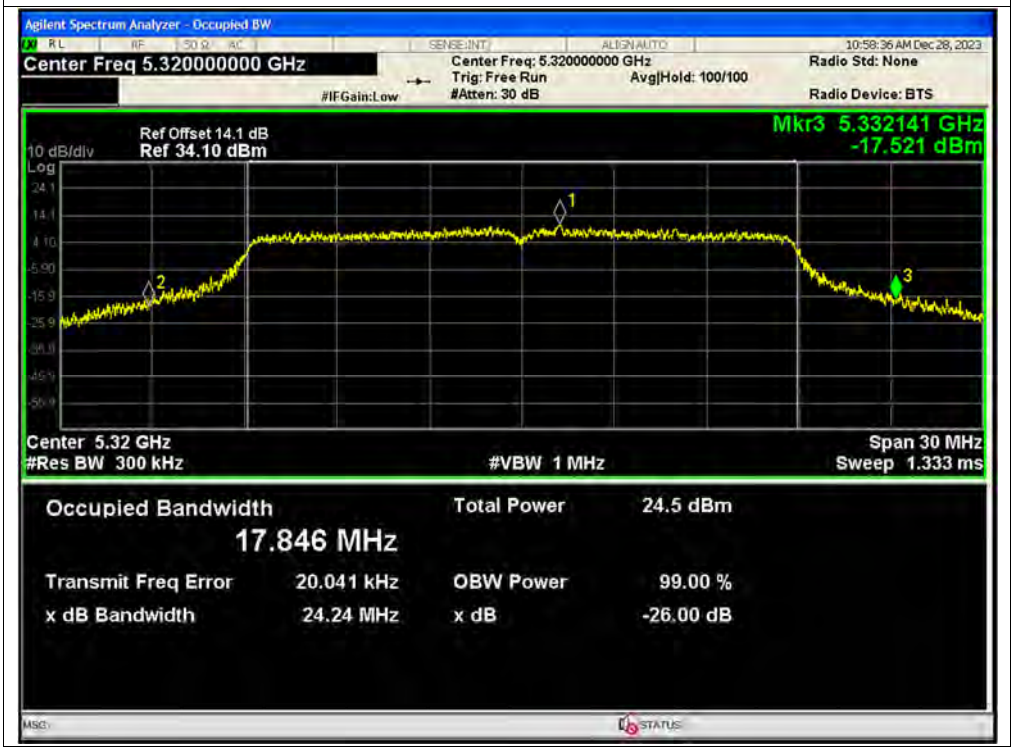


-26dB Bandwidth NVNT ac20 5260MHz Ant1 SISO

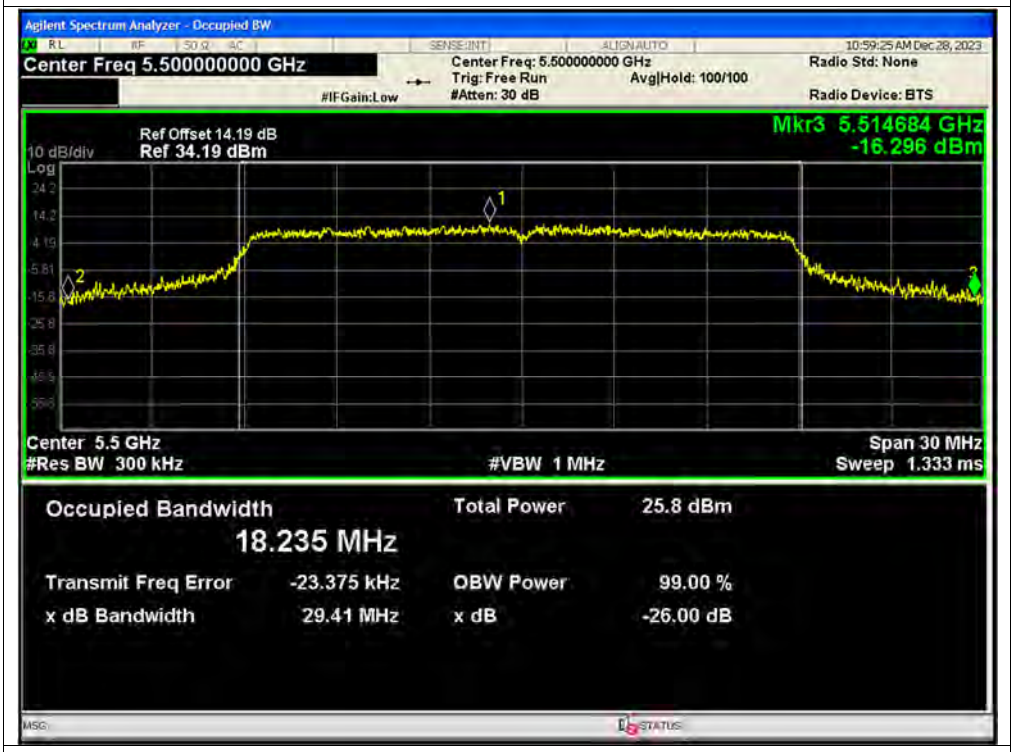
-26dB Bandwidth NVNT ac20 5300MHz Ant1 SISO



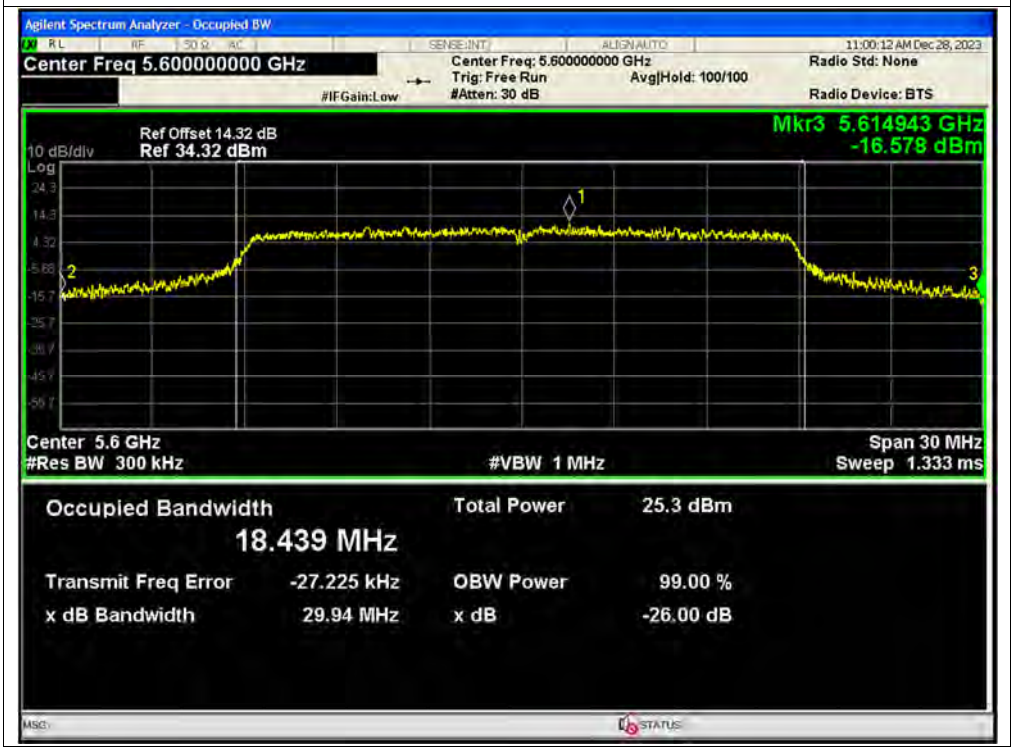
-26dB Bandwidth NVNT ac20 5320MHz Ant1 SISO



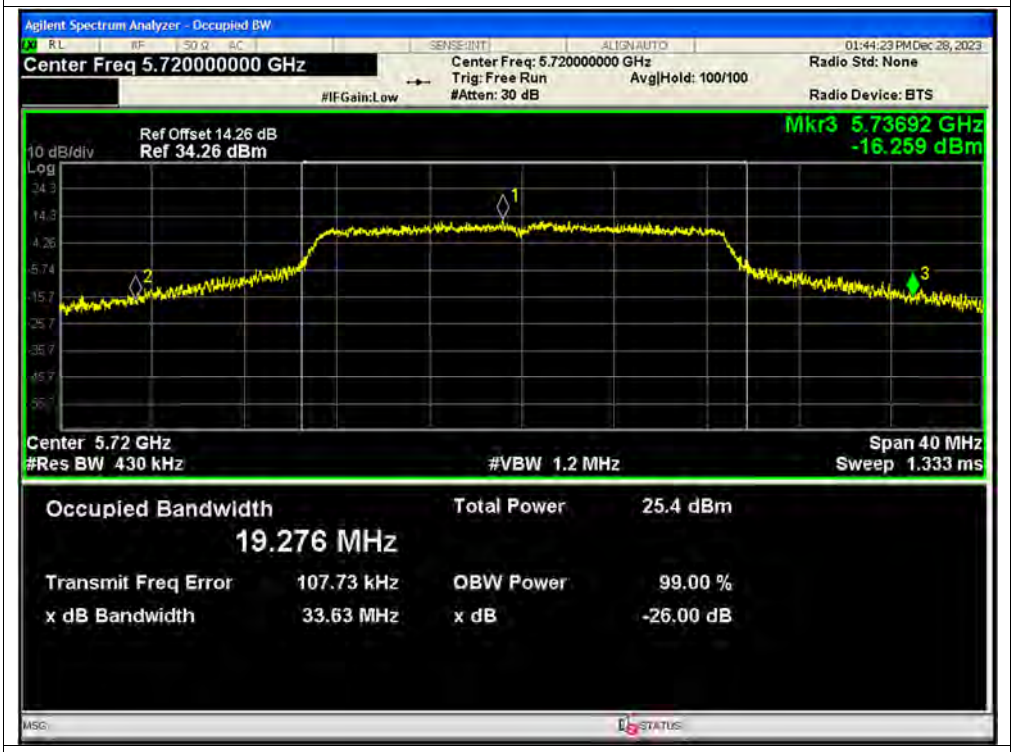
-26dB Bandwidth NVNT ac20 5500MHz Ant1 SISO



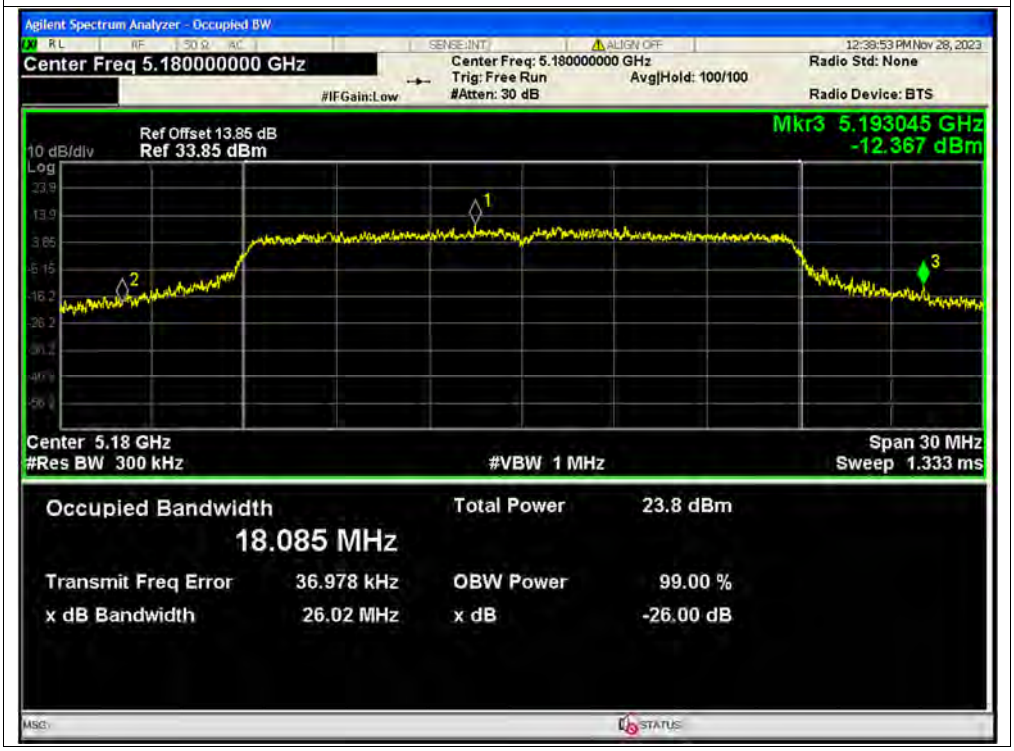
-26dB Bandwidth NVNT ac20 5600MHz Ant1 SISO



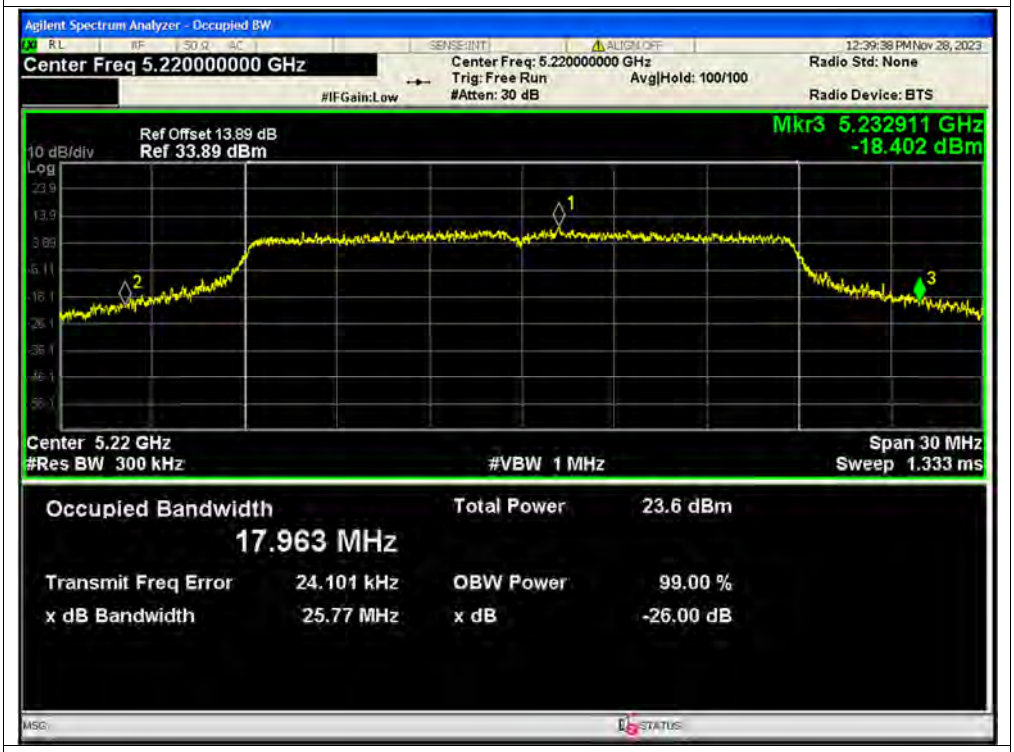
-26dB Bandwidth NVNT ac20 5720MHz Ant1 SISO



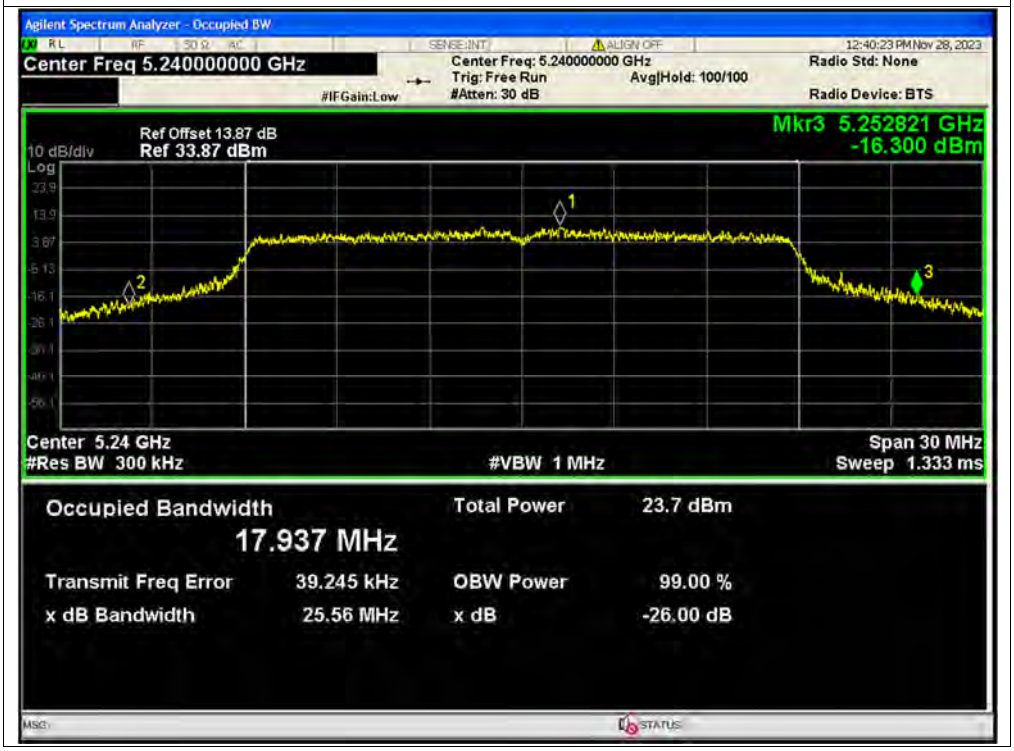
-26dB Bandwidth NVNT ac20 5180MHz Ant2 SISO



-26dB Bandwidth NVNT ac20 5220MHz Ant2 SISO

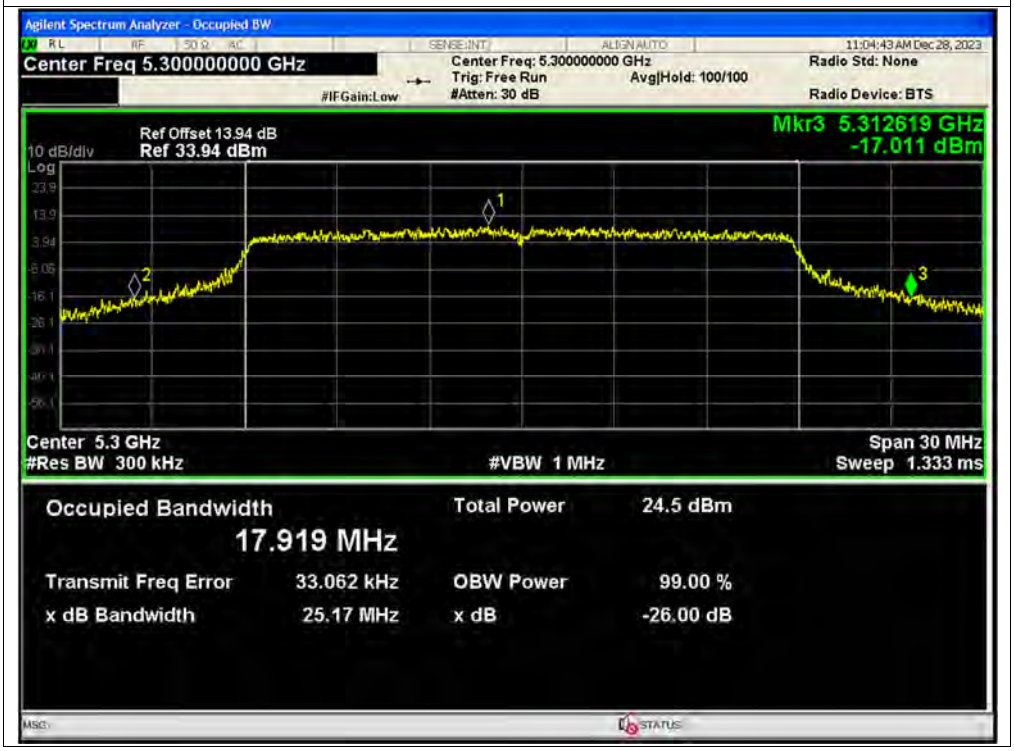


-26dB Bandwidth NVNT ac20 5240MHz Ant2 SISO

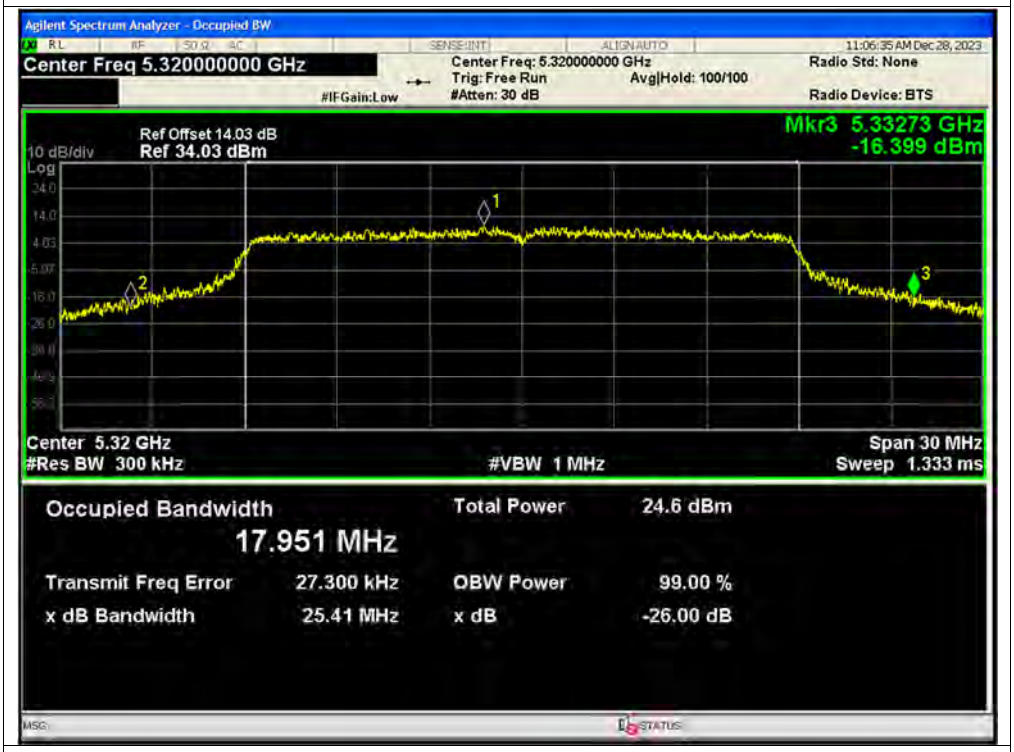


-26dB Bandwidth NVNT ac20 5260MHz Ant2 SISO

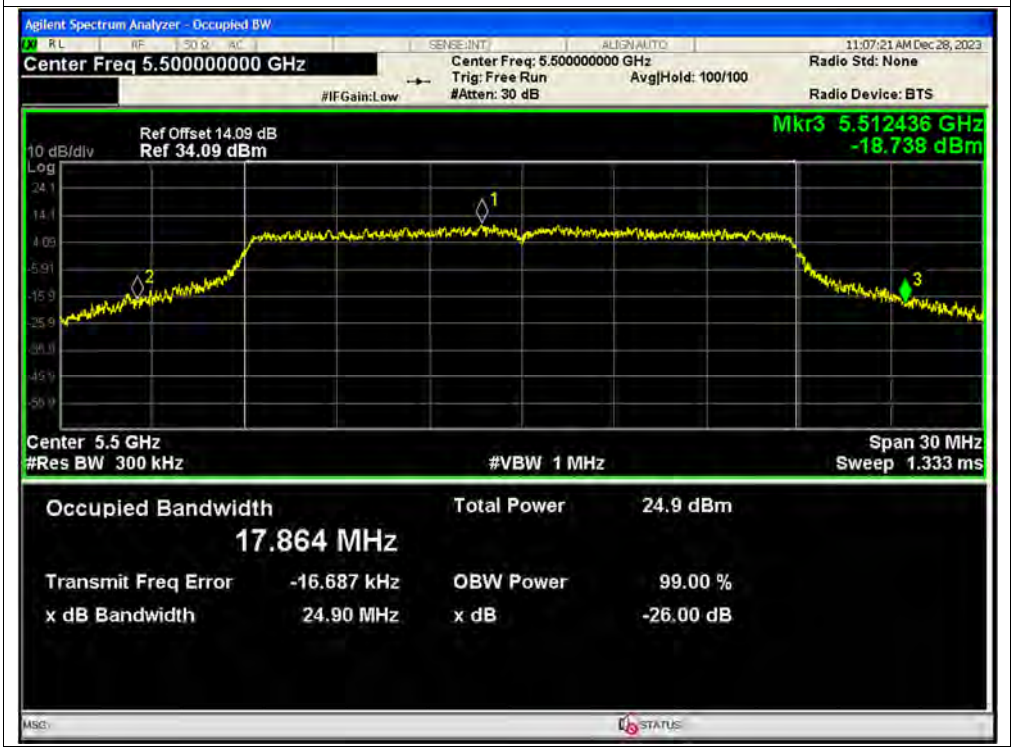
-26dB Bandwidth NVNT ac20 5300MHz Ant2 SISO



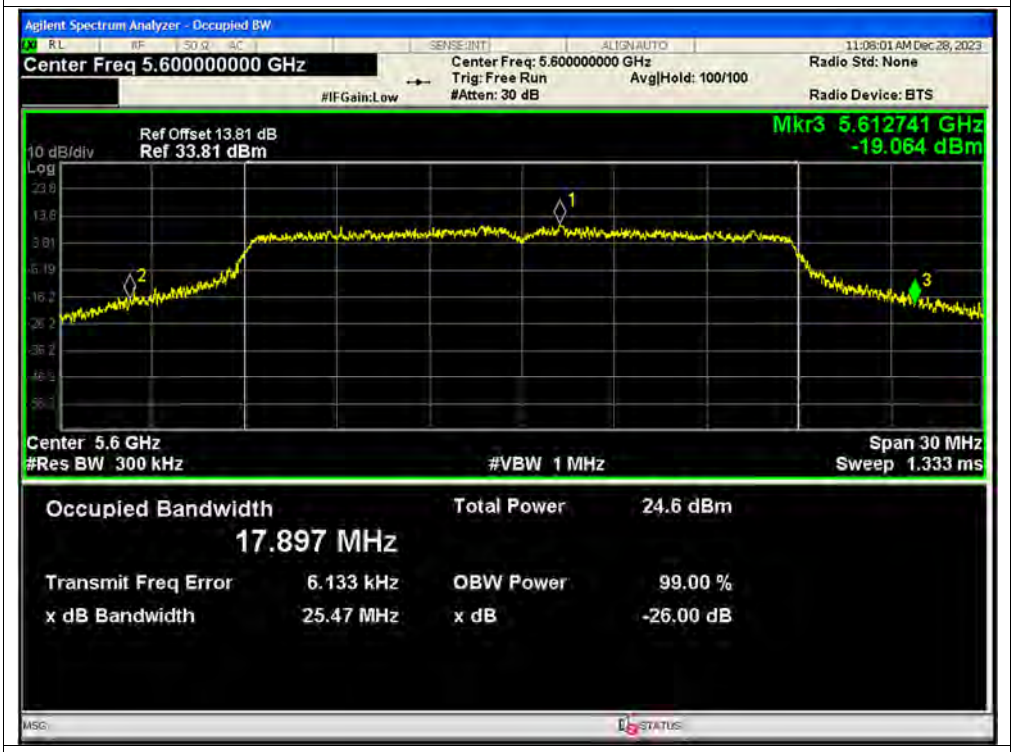
-26dB Bandwidth NVNT ac20 5320MHz Ant2 SISO



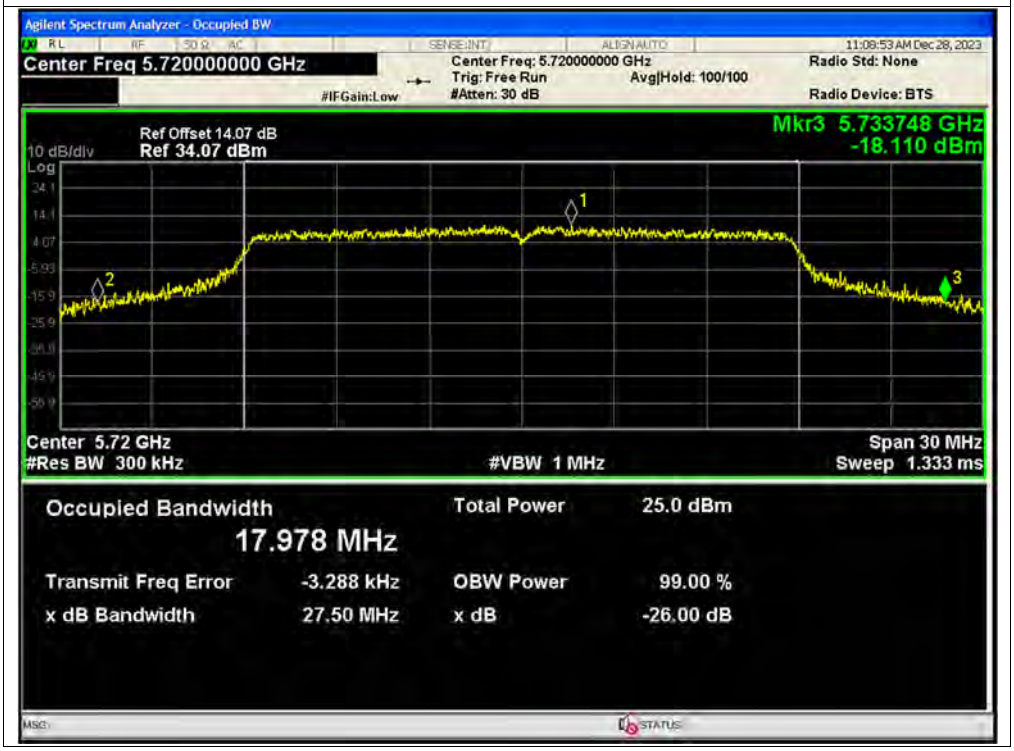
-26dB Bandwidth NVNT ac20 5500MHz Ant2 SISO



-26dB Bandwidth NVNT ac20 5600MHz Ant2 SISO

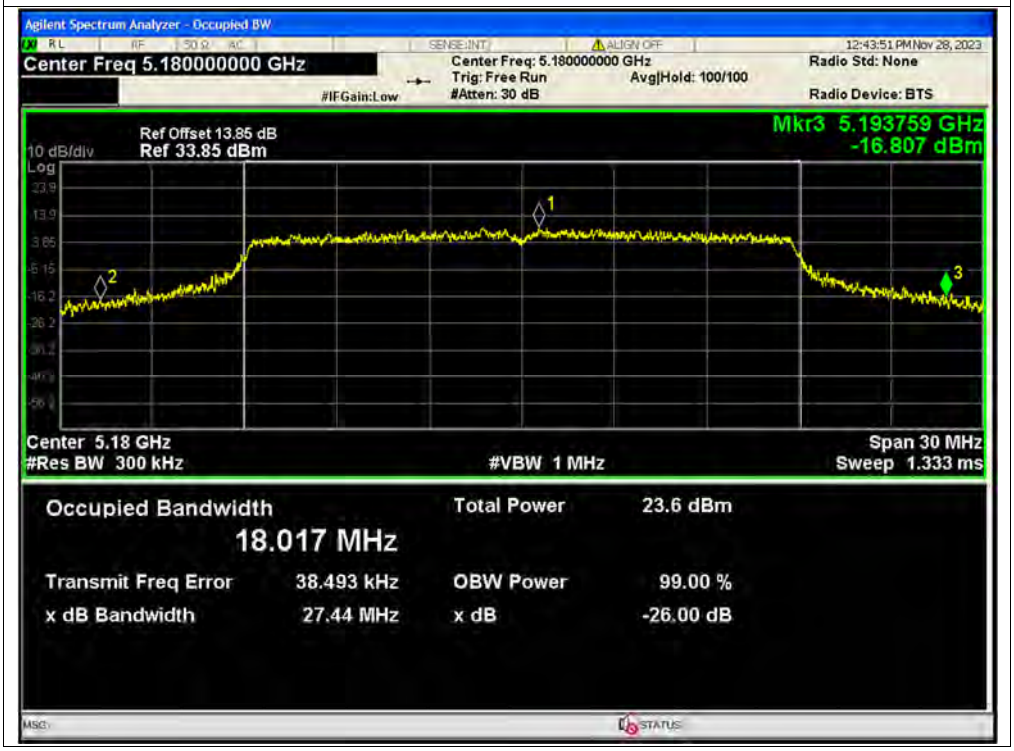


-26dB Bandwidth NVNT ac20 5720MHz Ant2 SISO



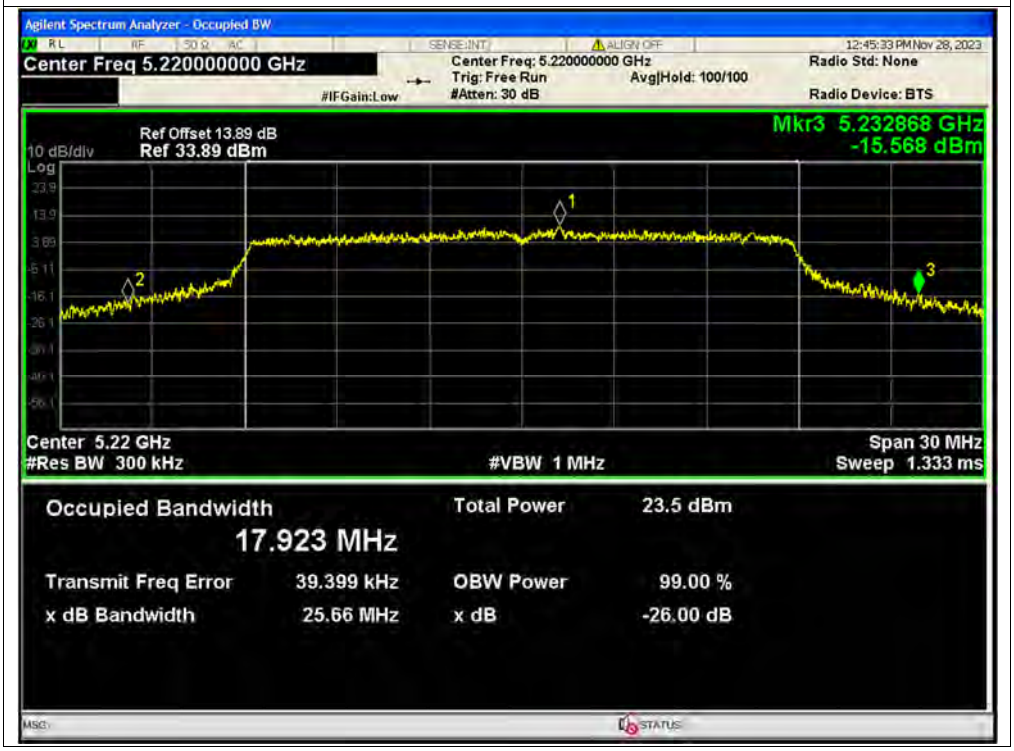
-26dB Bandwidth NVNT ac20 5180MHz Ant1 MIMO

-26dB Bandwidth NVNT ac20 5180MHz Ant2 MIMO

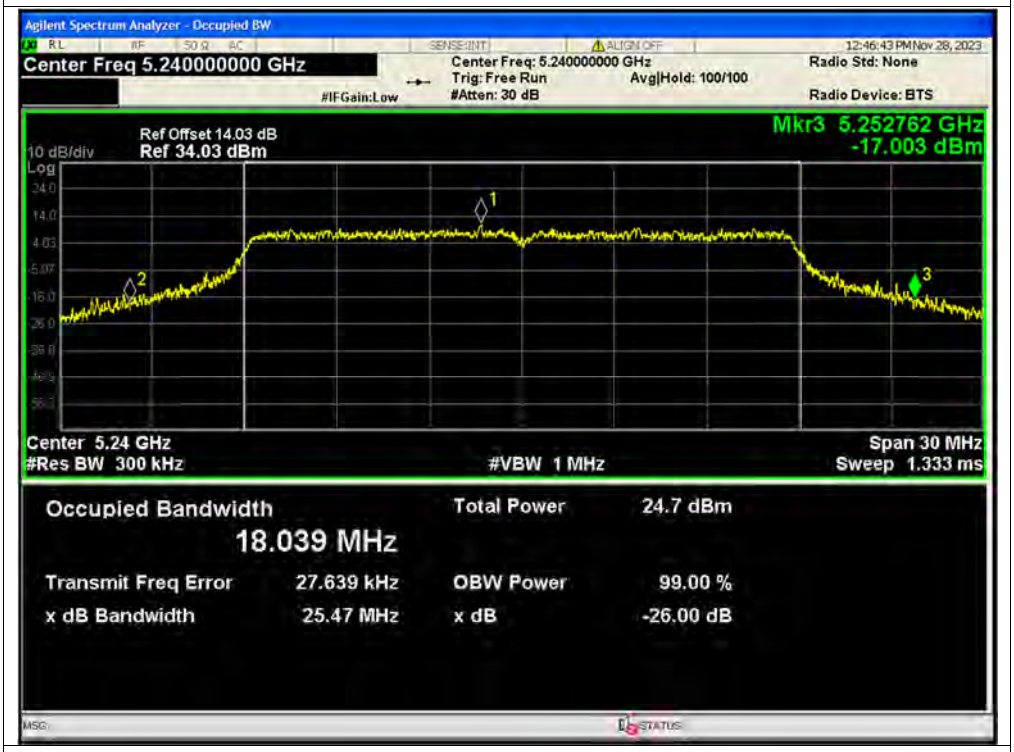


-26dB Bandwidth NVNT ac20 5220MHz Ant1 MIMO

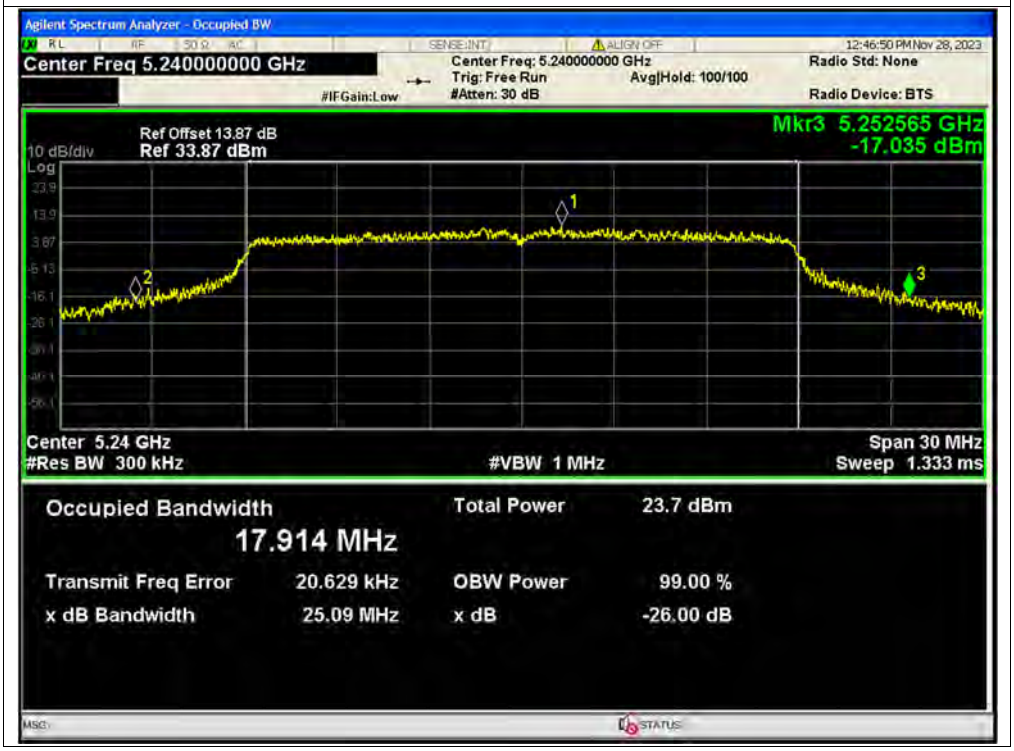
-26dB Bandwidth NVNT ac20 5220MHz Ant2 MIMO



-26dB Bandwidth NVNT ac20 5240MHz Ant1 MIMO

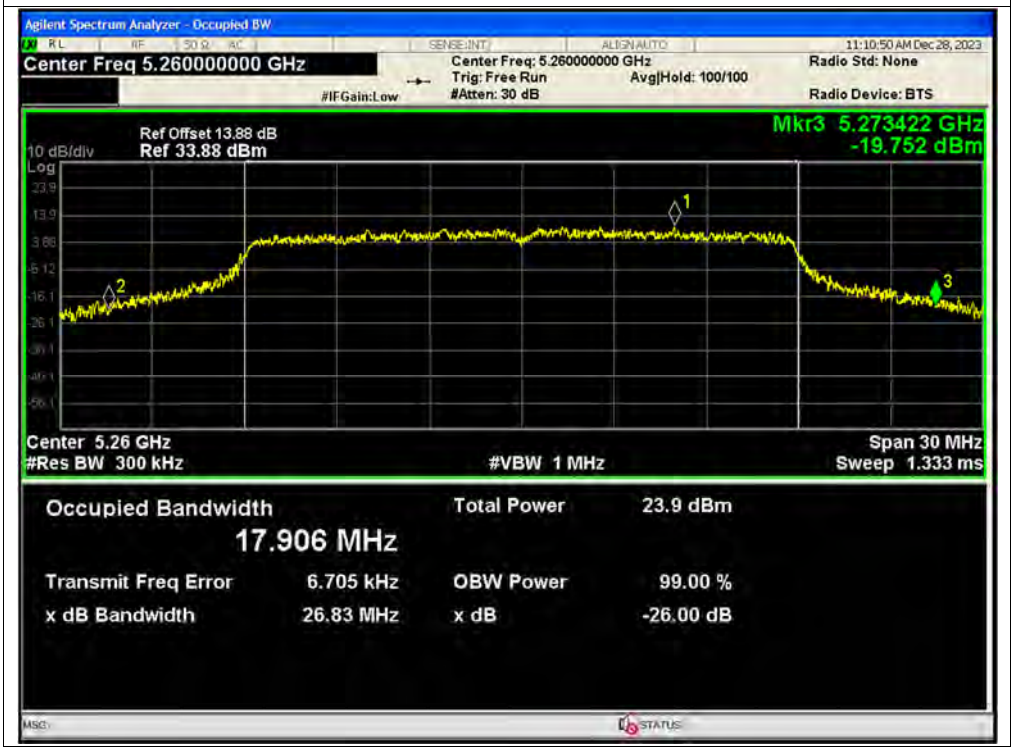


-26dB Bandwidth NVNT ac20 5240MHz Ant2 MIMO



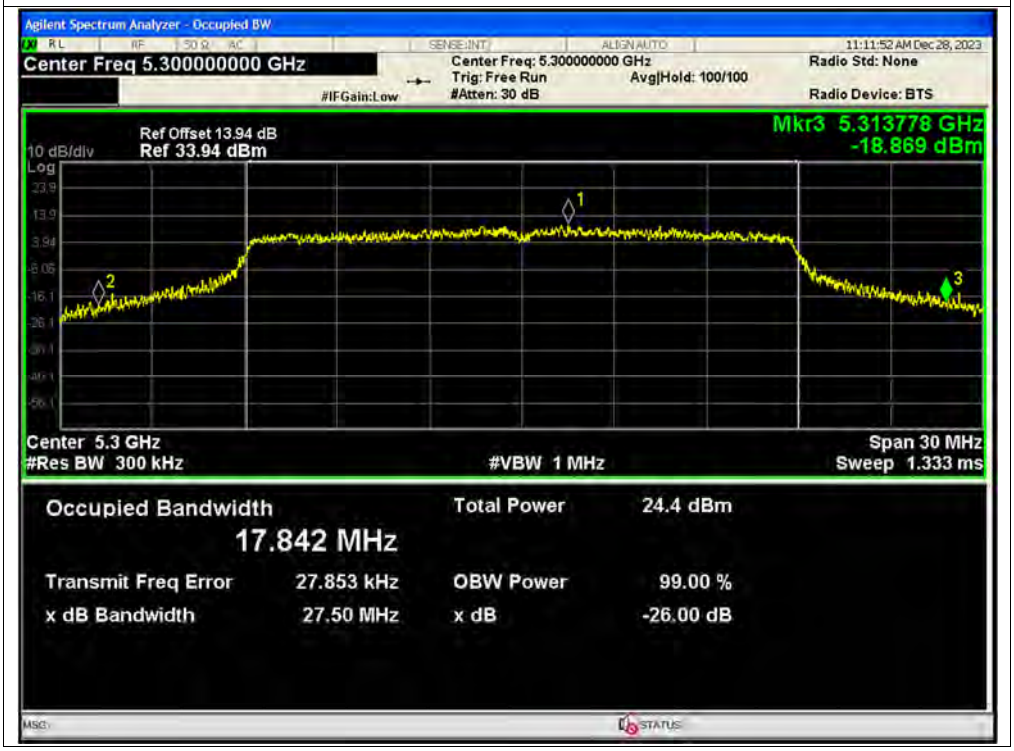
-26dB Bandwidth NVNT ac20 5260MHz Ant1 MIMO

-26dB Bandwidth NVNT ac20 5260MHz Ant2 MIMO

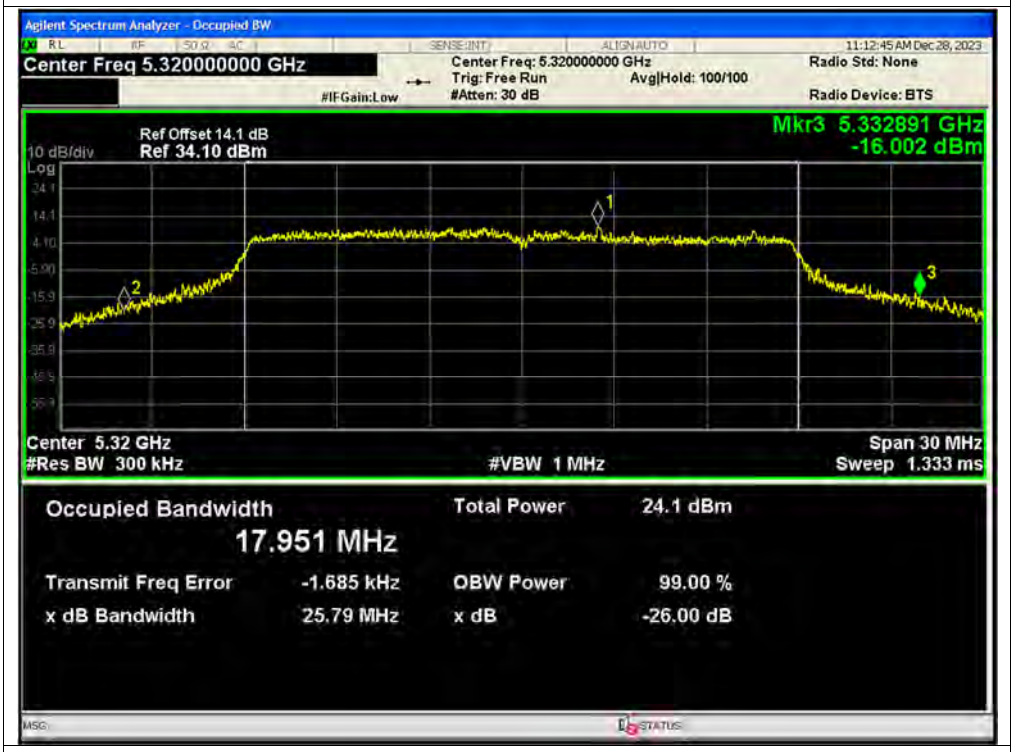


-26dB Bandwidth NVNT ac20 5300MHz Ant1 MIMO

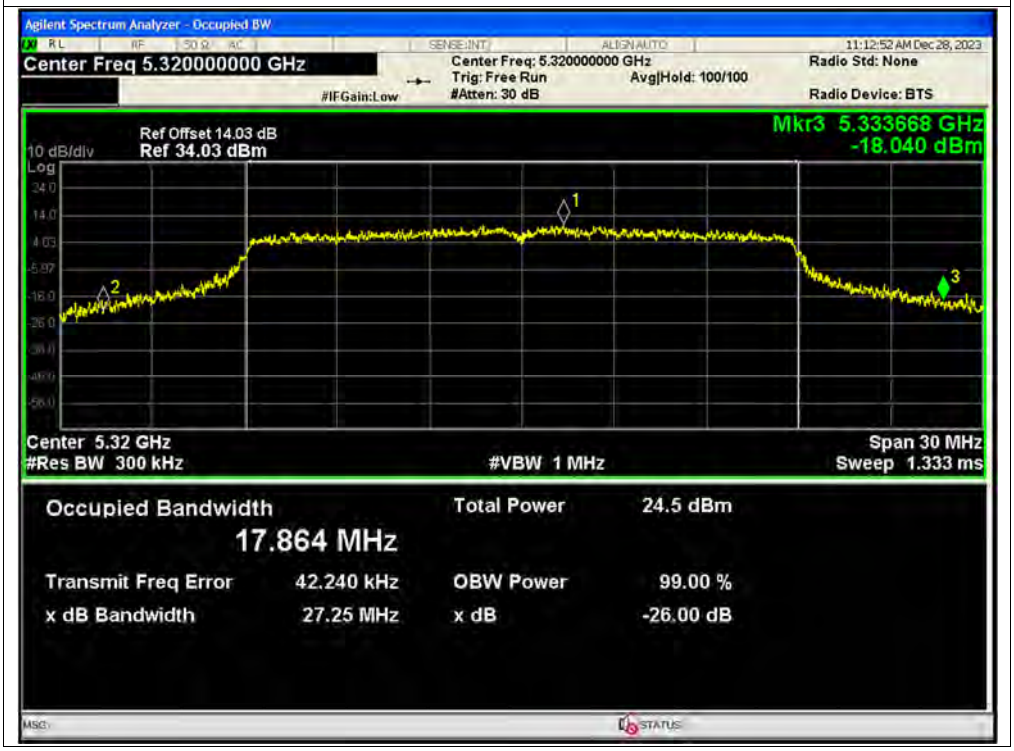
-26dB Bandwidth NVNT ac20 5300MHz Ant2 MIMO



-26dB Bandwidth NVNT ac20 5320MHz Ant1 MIMO

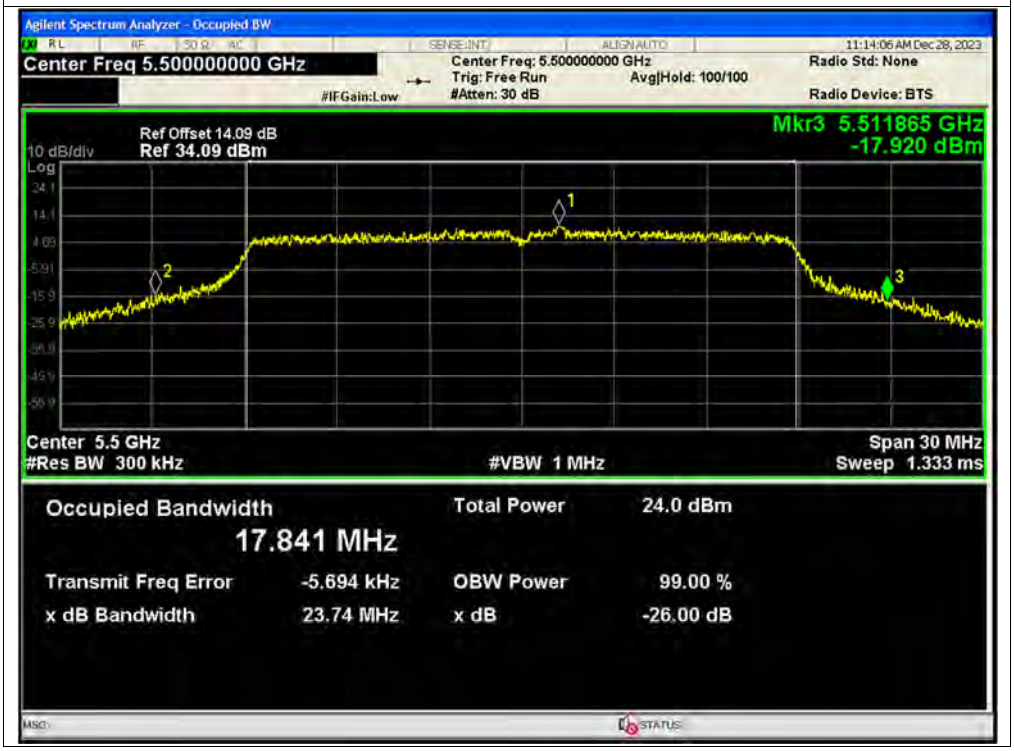


-26dB Bandwidth NVNT ac20 5320MHz Ant2 MIMO



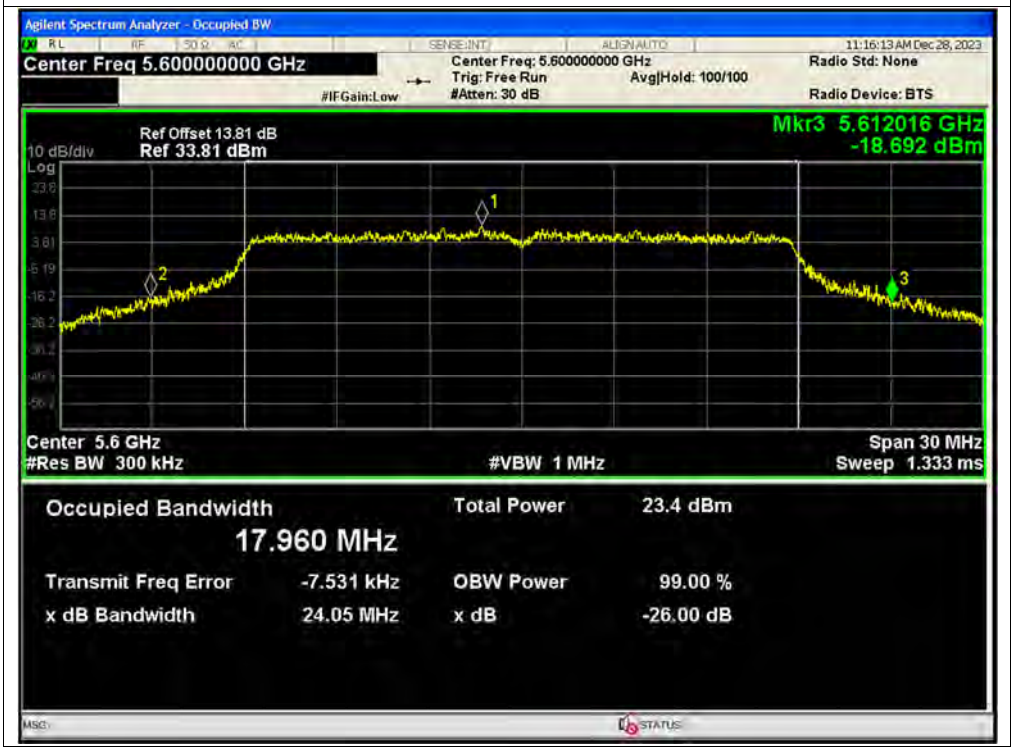
-26dB Bandwidth NVNT ac20 5500MHz Ant1 MIMO

-26dB Bandwidth NVNT ac20 5500MHz Ant2 MIMO

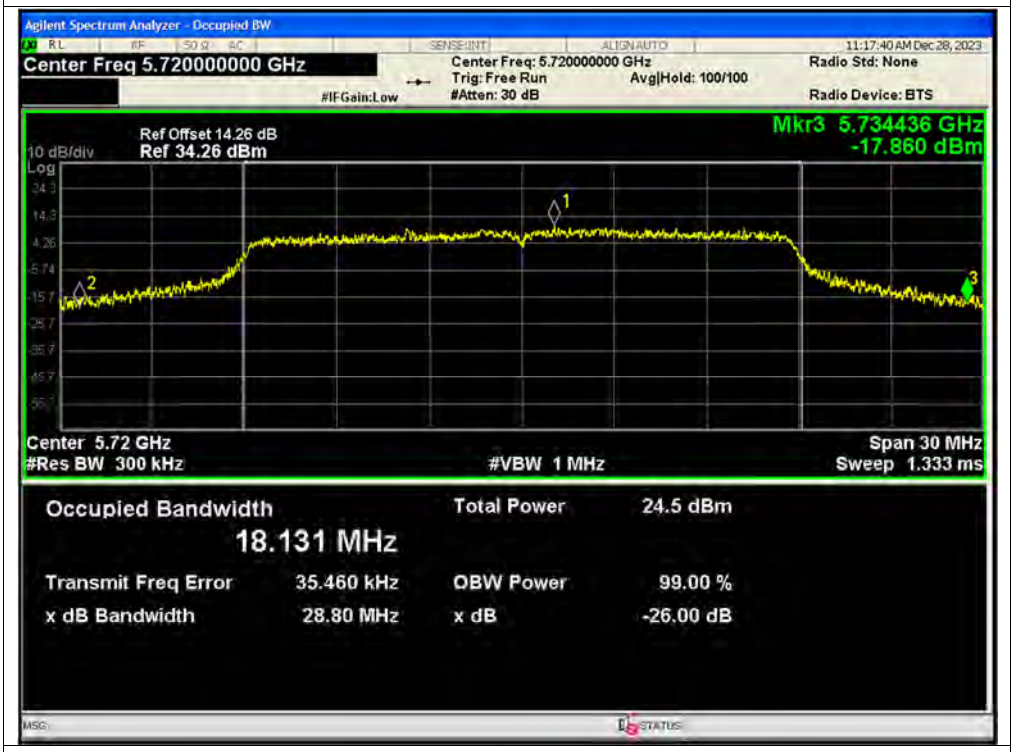


-26dB Bandwidth NVNT ac20 5600MHz Ant1 MIMO

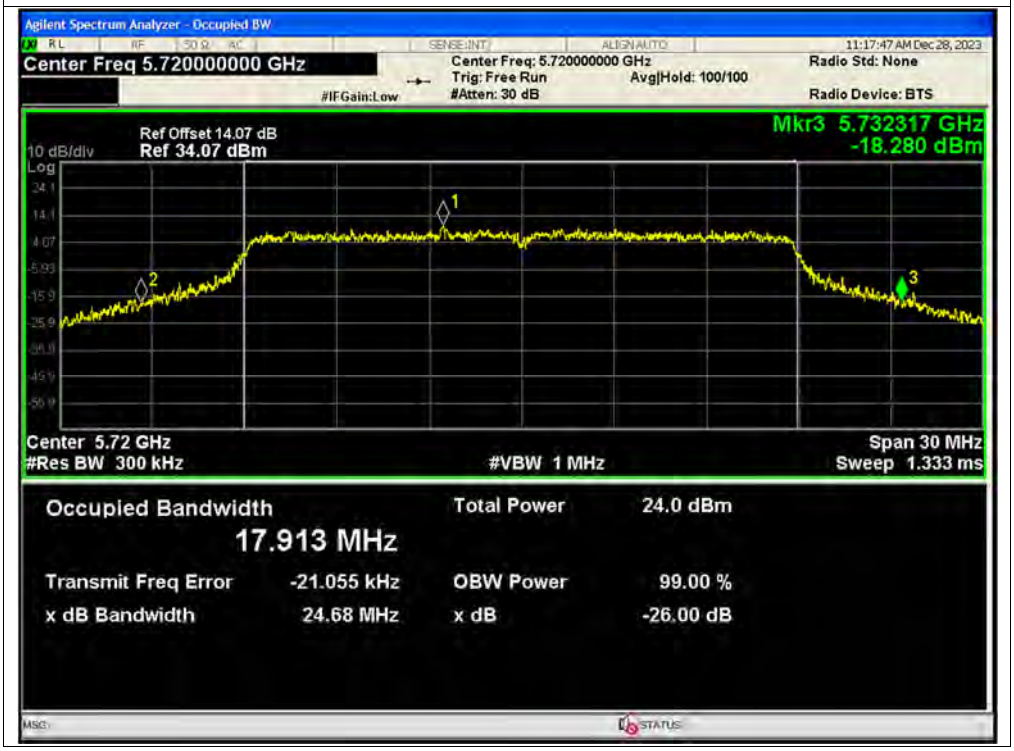
-26dB Bandwidth NVNT ac20 5600MHz Ant2 MIMO



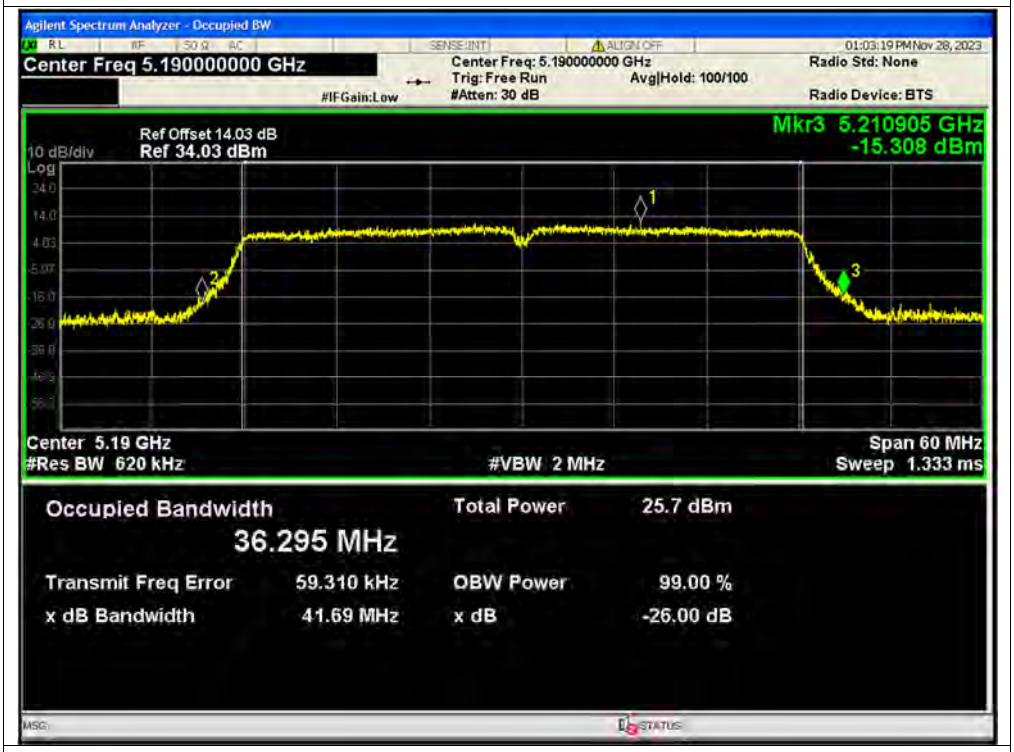
-26dB Bandwidth NVNT ac20 5720MHz Ant1 MIMO



-26dB Bandwidth NVNT ac20 5720MHz Ant2 MIMO



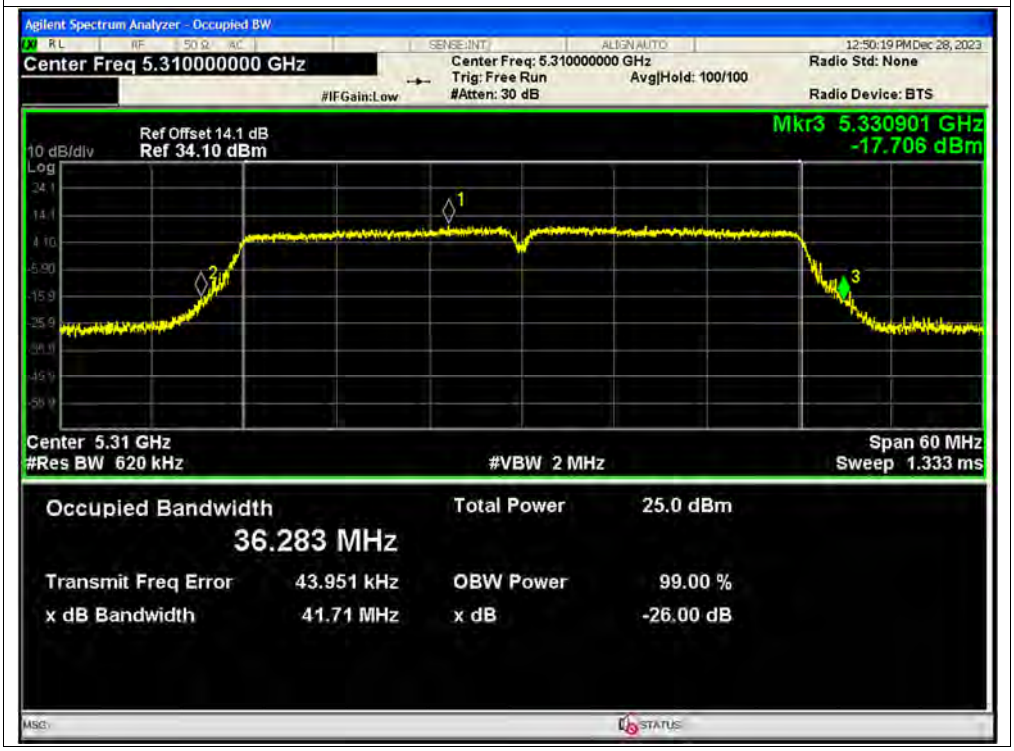
-26dB Bandwidth NVNT ac40 5190MHz Ant1 SISO



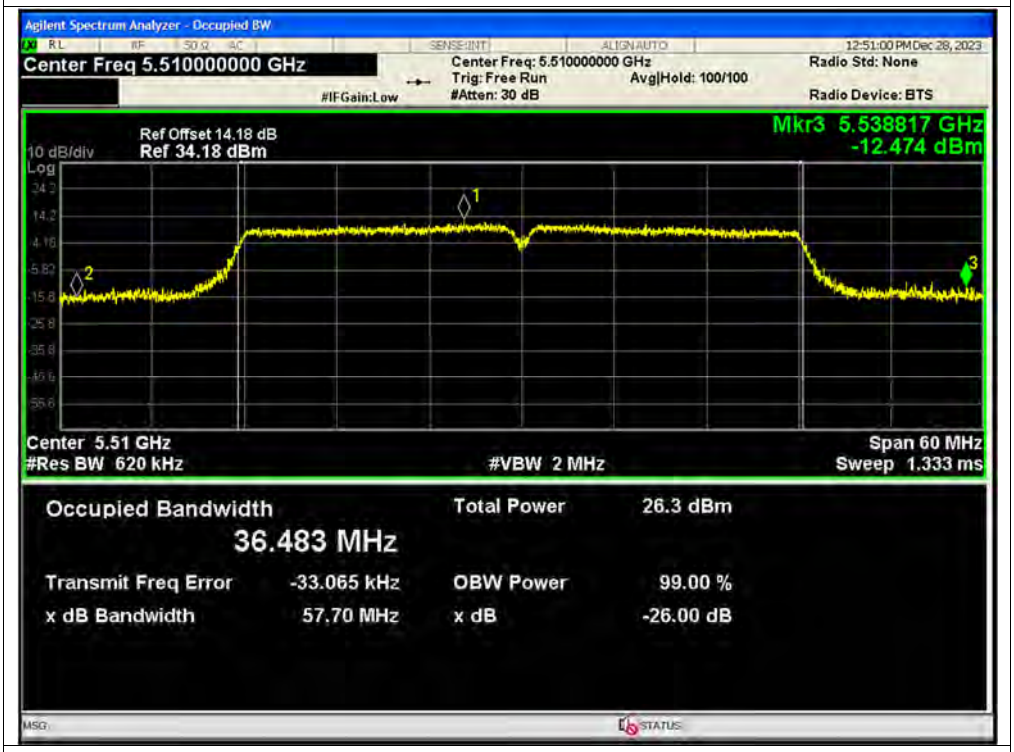
-26dB Bandwidth NVNT ac40 5230MHz Ant1 SISO

-26dB Bandwidth NVNT ac40 5270MHz Ant1 SISO

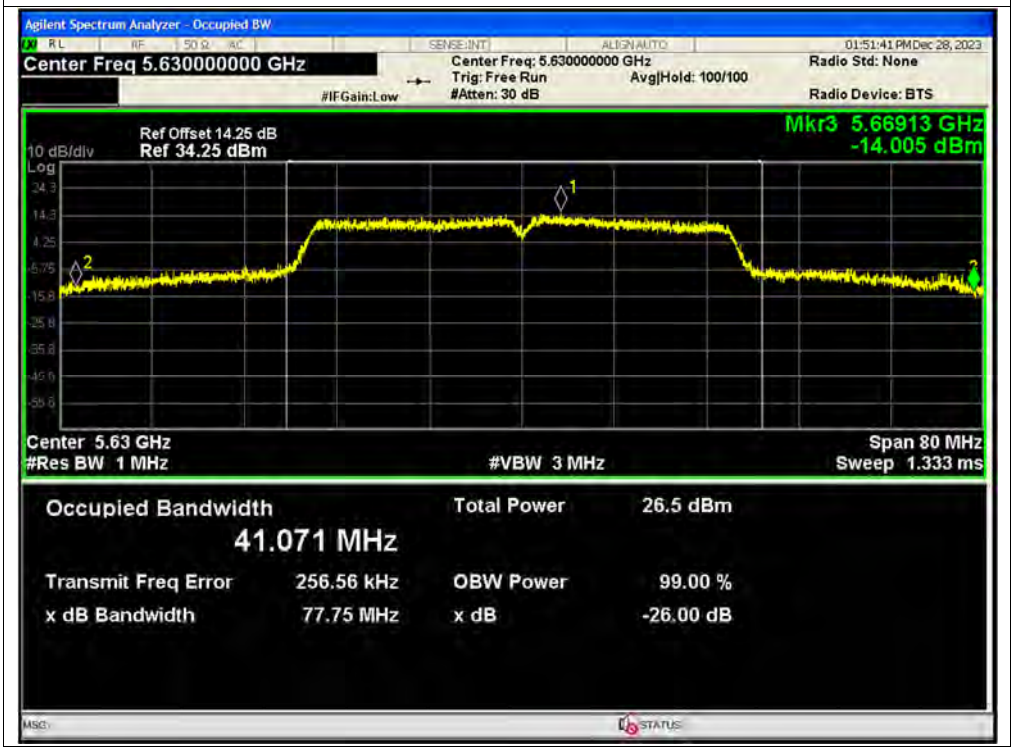
-26dB Bandwidth NVNT ac40 5310MHz Ant1 SISO



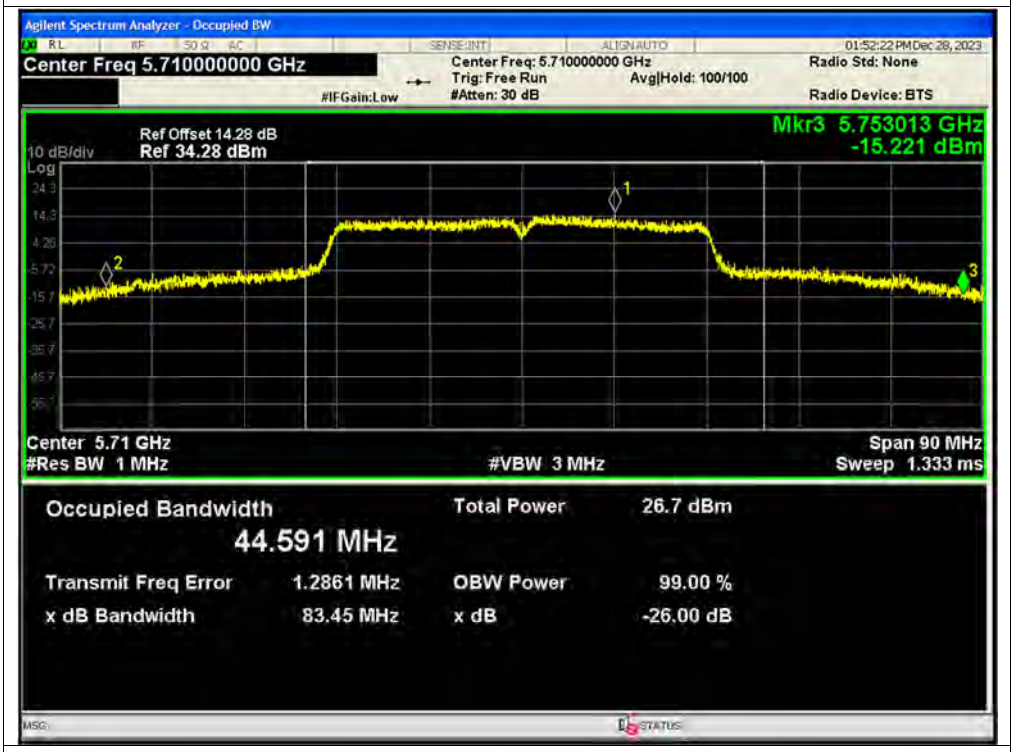
-26dB Bandwidth NVNT ac40 5510MHz Ant1 SISO



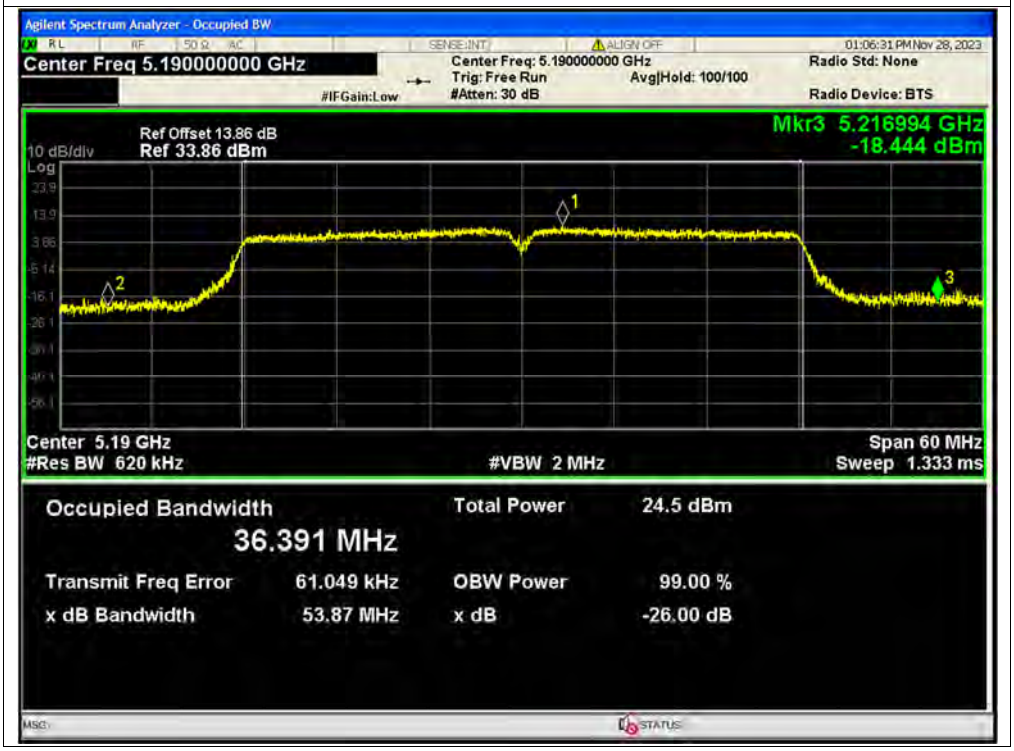
-26dB Bandwidth NVNT ac40 5630MHz Ant1 SISO



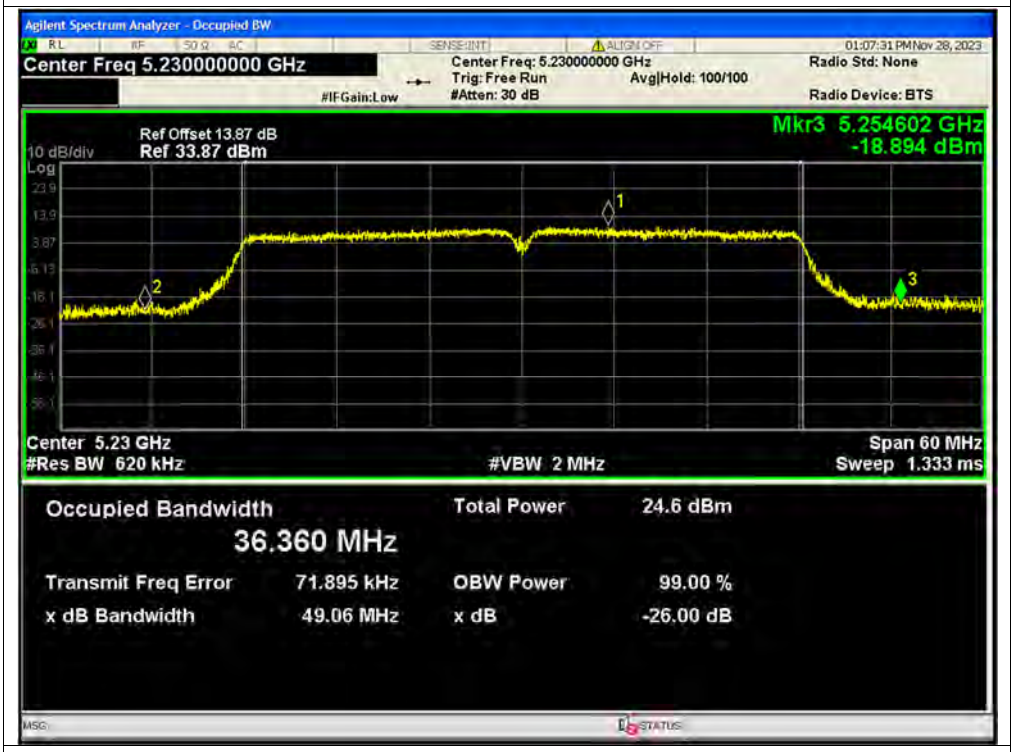
-26dB Bandwidth NVNT ac40 5710MHz Ant1 SISO



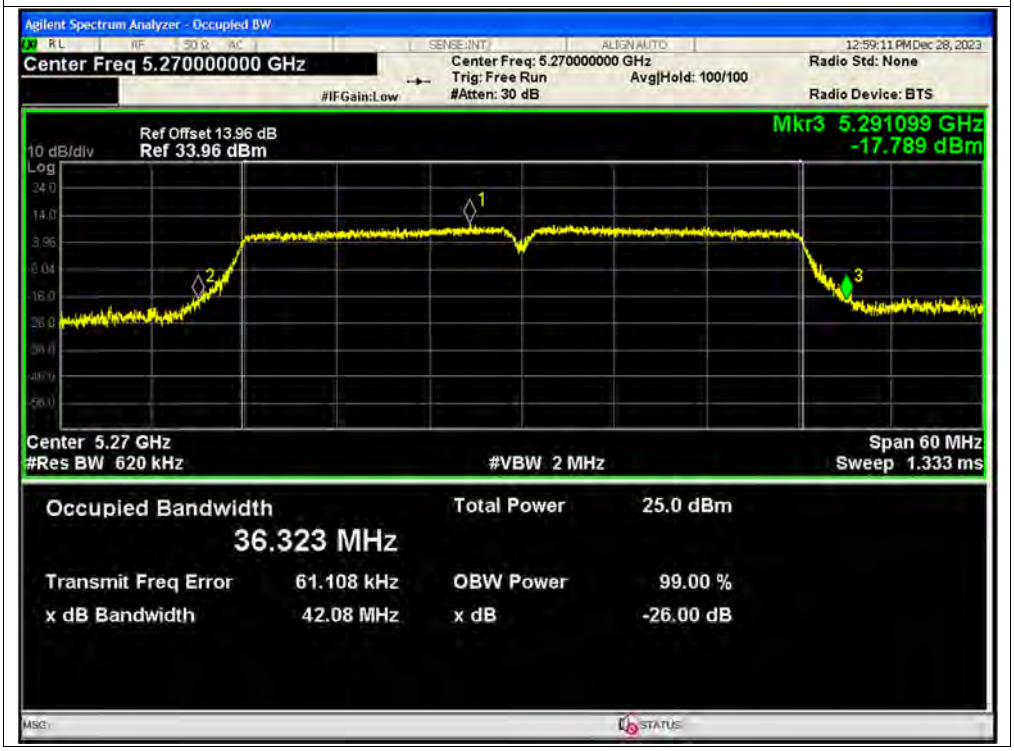
-26dB Bandwidth NVNT ac40 5190MHz Ant2 SISO



-26dB Bandwidth NVNT ac40 5230MHz Ant2 SISO

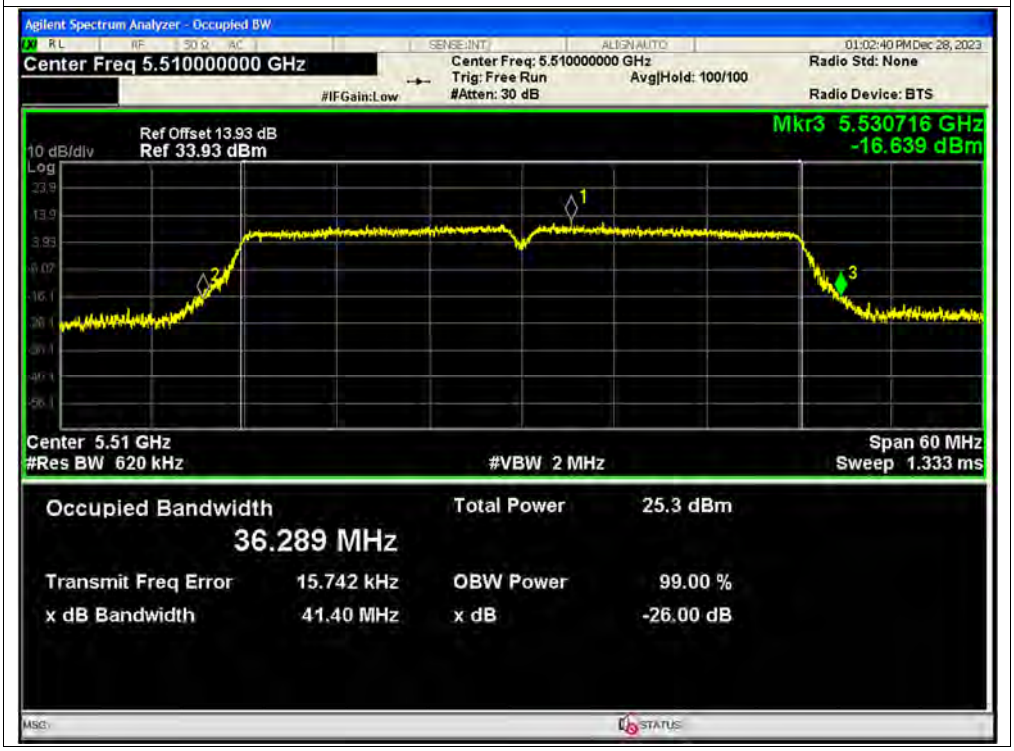


-26dB Bandwidth NVNT ac40 5270MHz Ant2 SISO



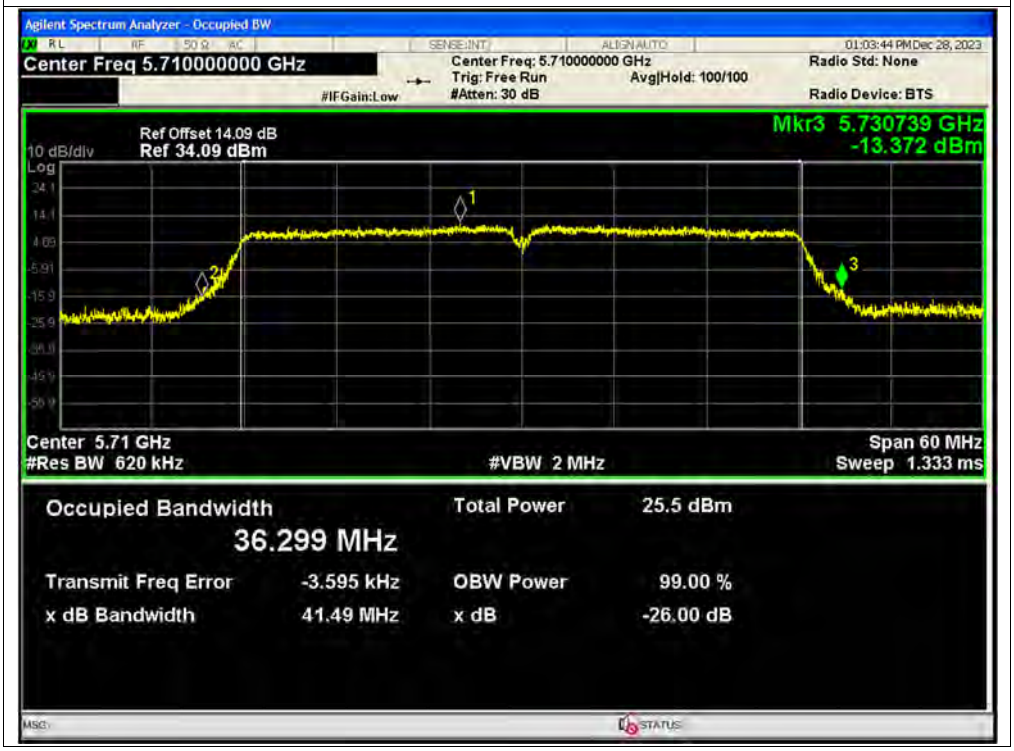
-26dB Bandwidth NVNT ac40 5310MHz Ant2 SISO

-26dB Bandwidth NVNT ac40 5510MHz Ant2 SISO



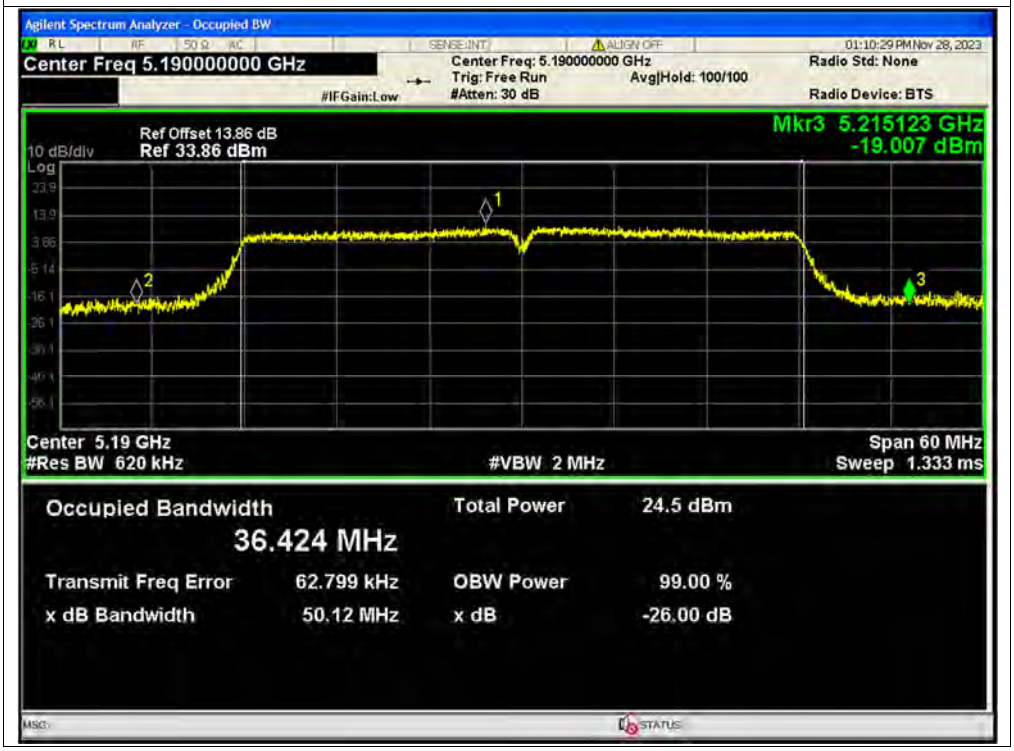
-26dB Bandwidth NVNT ac40 5630MHz Ant2 SISO

-26dB Bandwidth NVNT ac40 5710MHz Ant2 SISO



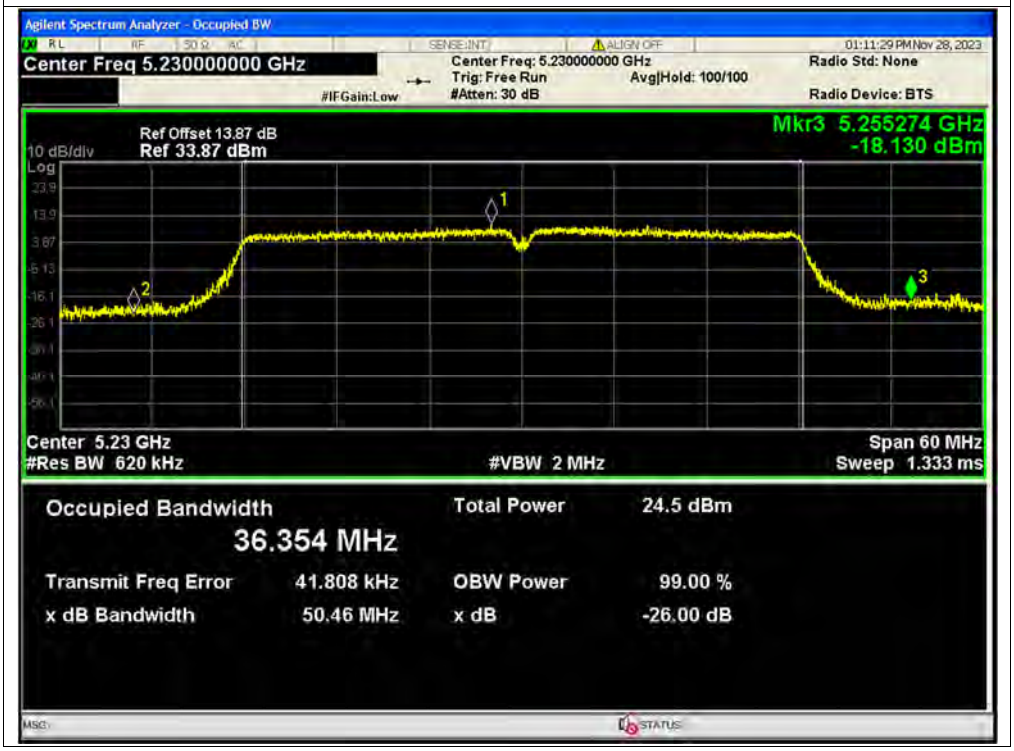
-26dB Bandwidth NVNT ac40 5190MHz Ant1 MIMO

-26dB Bandwidth NVNT ac40 5190MHz Ant2 MIMO



-26dB Bandwidth NVNT ac40 5230MHz Ant1 MIMO

-26dB Bandwidth NVNT ac40 5230MHz Ant2 MIMO

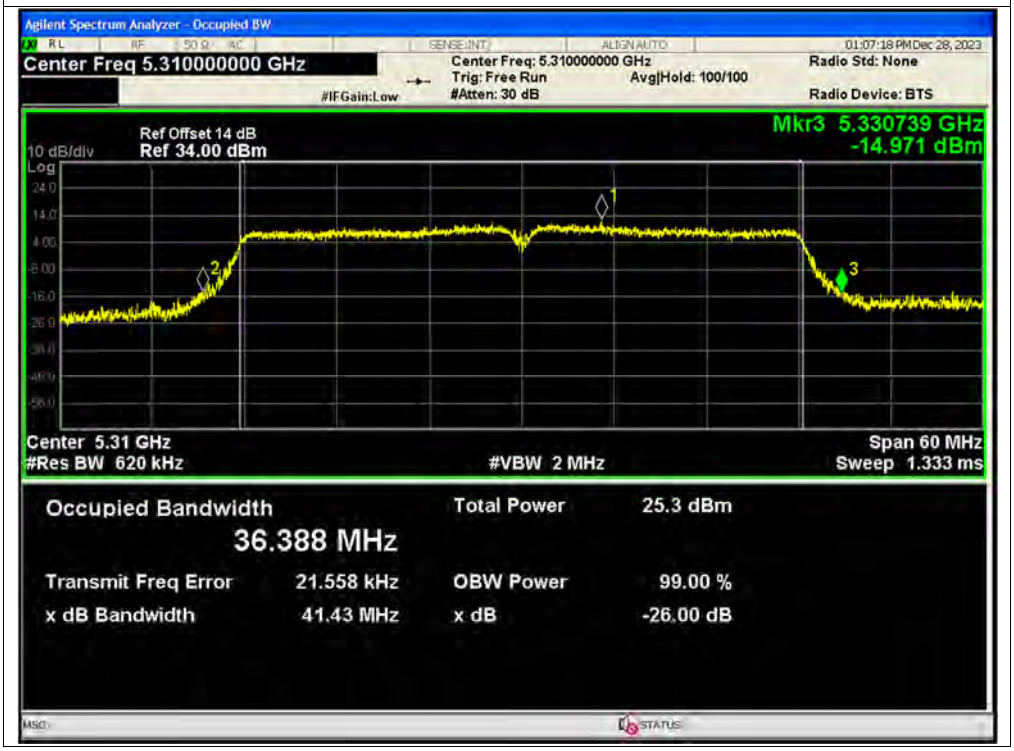


-26dB Bandwidth NVNT ac40 5270MHz Ant1 MIMO

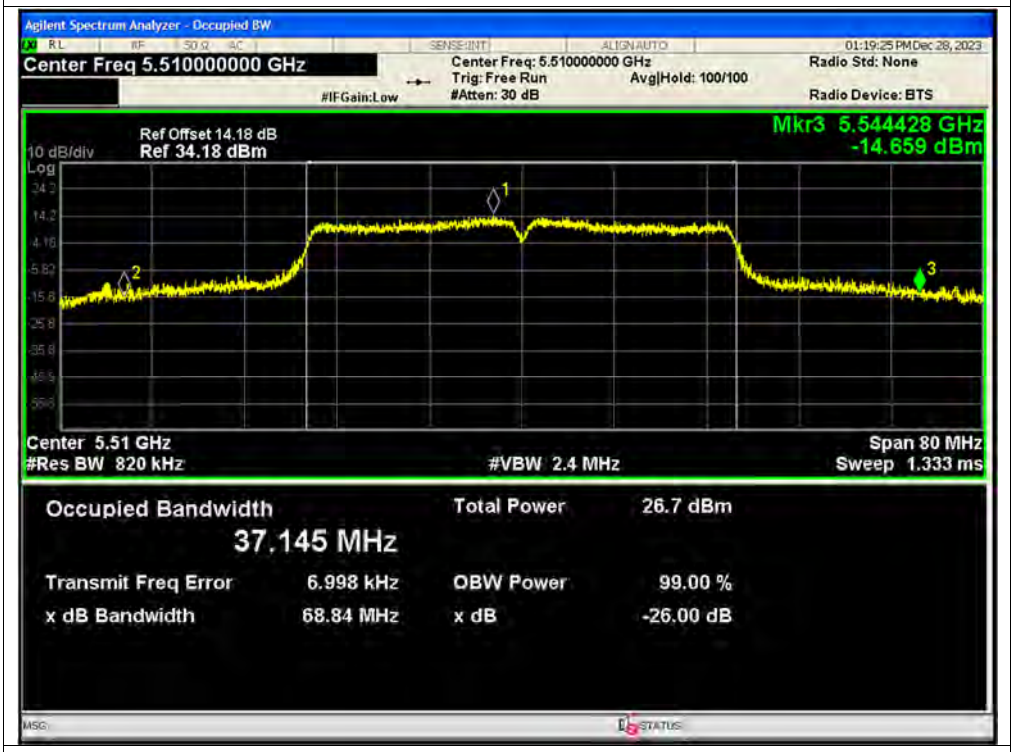
-26dB Bandwidth NVNT ac40 5270MHz Ant2 MIMO

-26dB Bandwidth NVNT ac40 5310MHz Ant1 MIMO

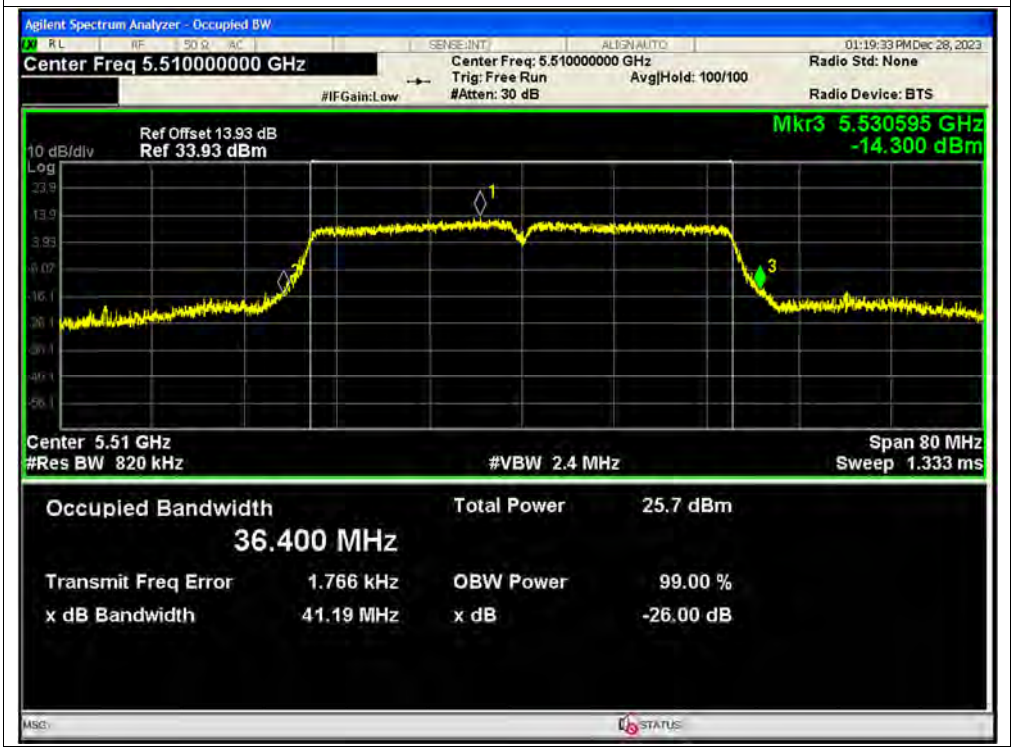
-26dB Bandwidth NVNT ac40 5310MHz Ant2 MIMO



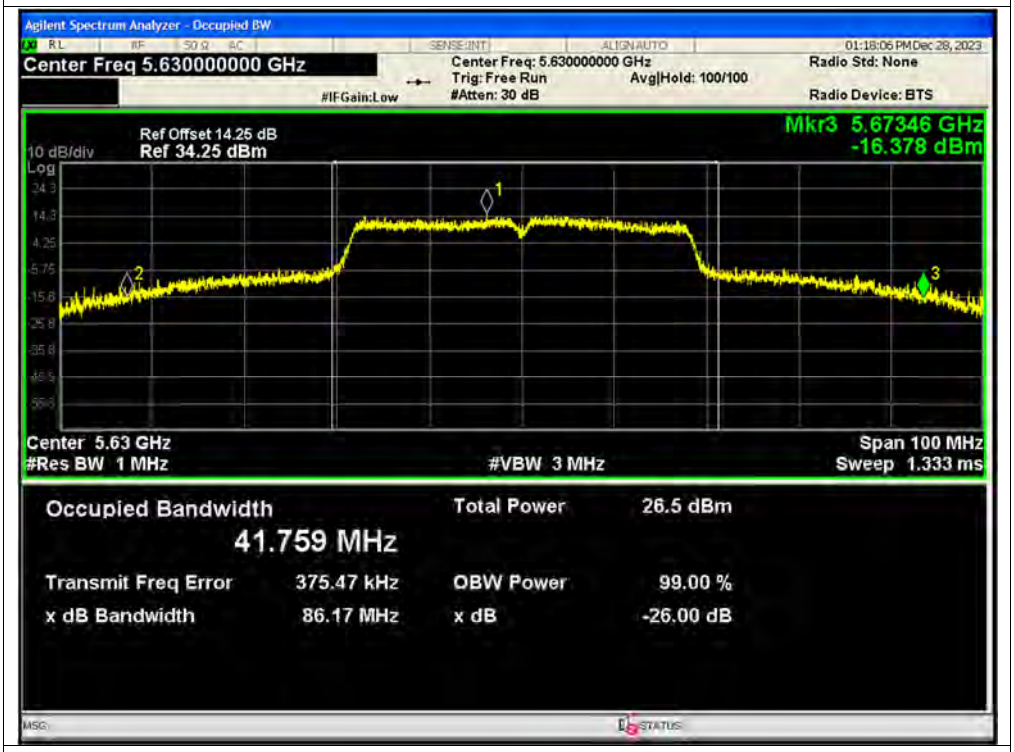
-26dB Bandwidth NVNT ac40 5510MHz Ant1 MIMO



-26dB Bandwidth NVNT ac40 5510MHz Ant2 MIMO

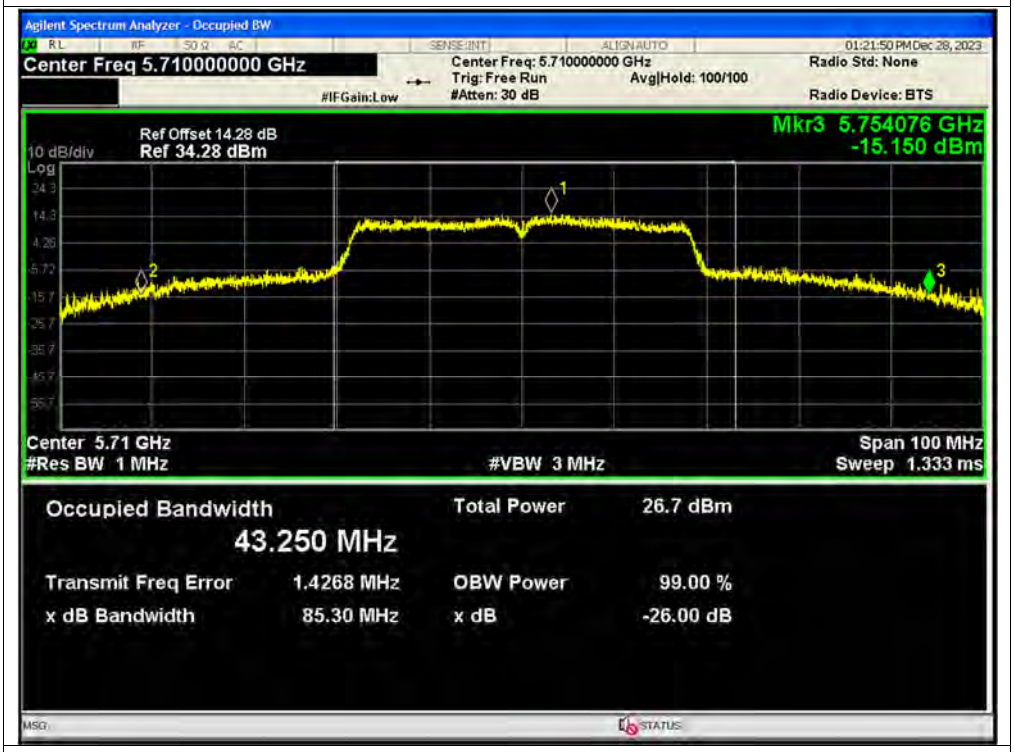


-26dB Bandwidth NVNT ac40 5630MHz Ant1 MIMO

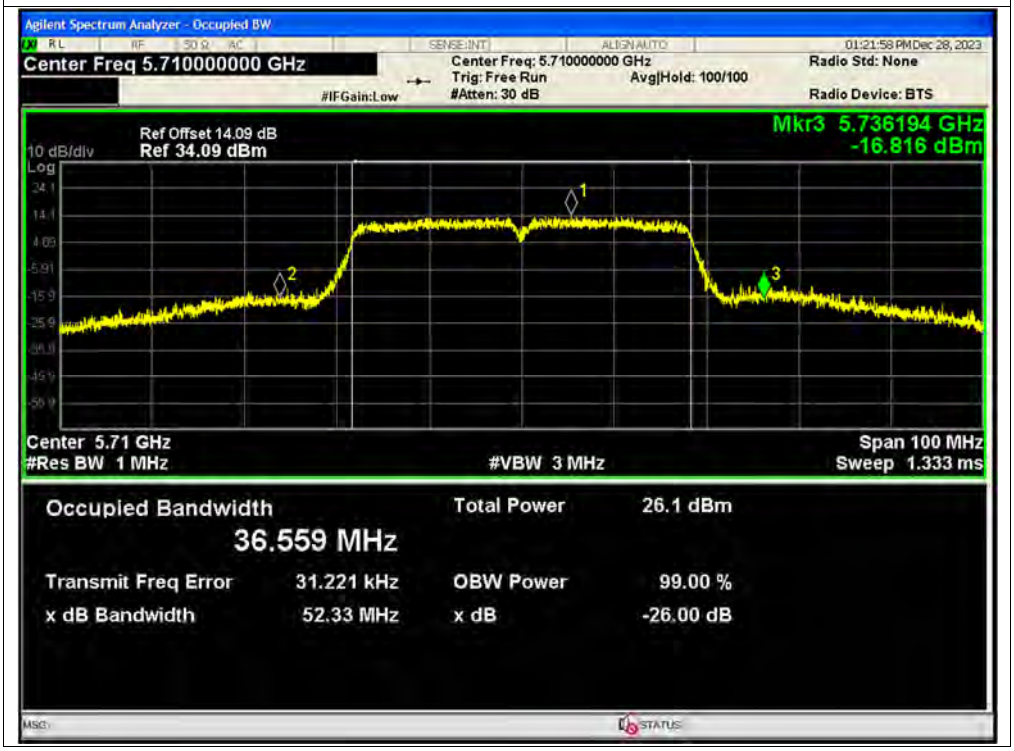


-26dB Bandwidth NVNT ac40 5630MHz Ant2 MIMO

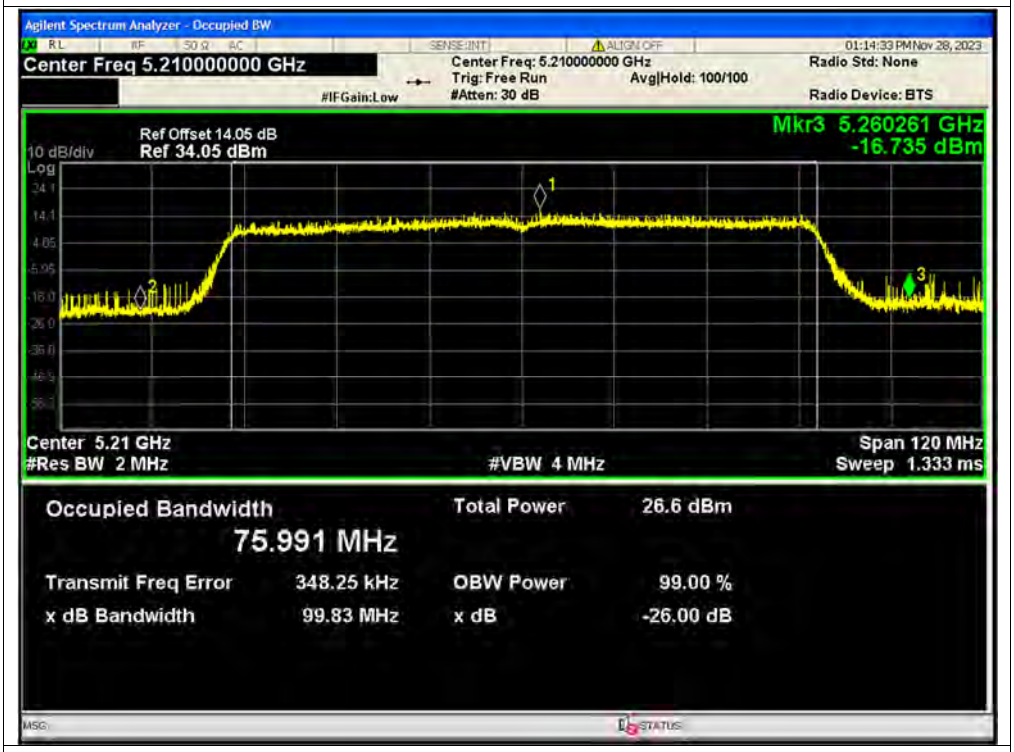
-26dB Bandwidth NVNT ac40 5710MHz Ant1 MIMO



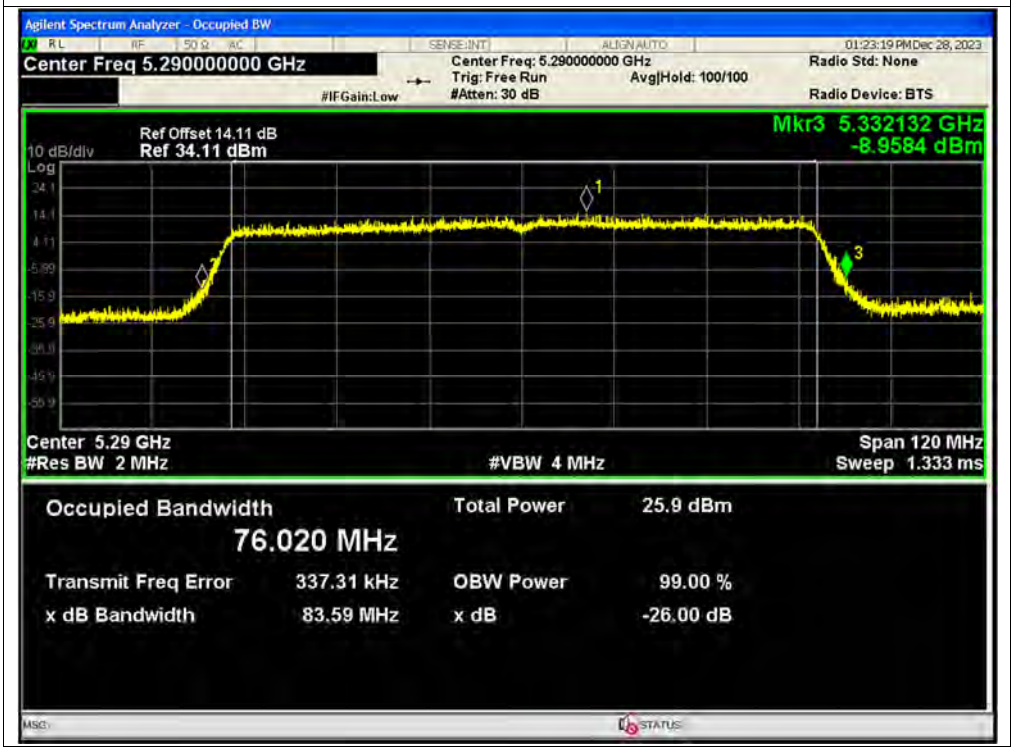
-26dB Bandwidth NVNT ac40 5710MHz Ant2 MIMO



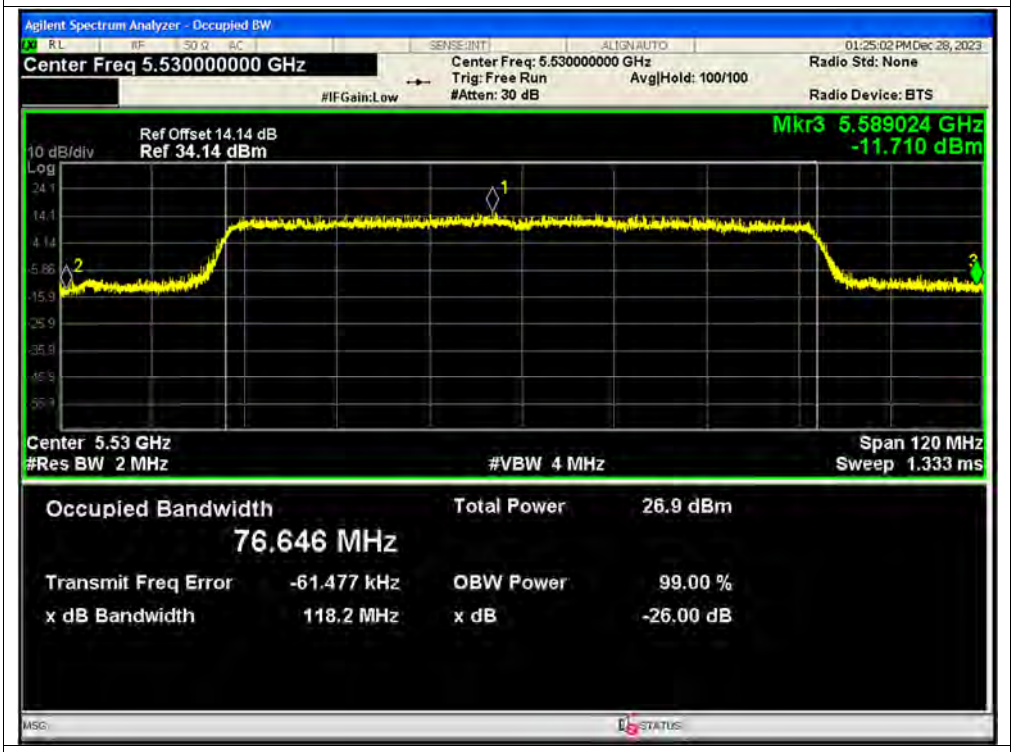
-26dB Bandwidth NVNT ac80 5210MHz Ant1 SISO



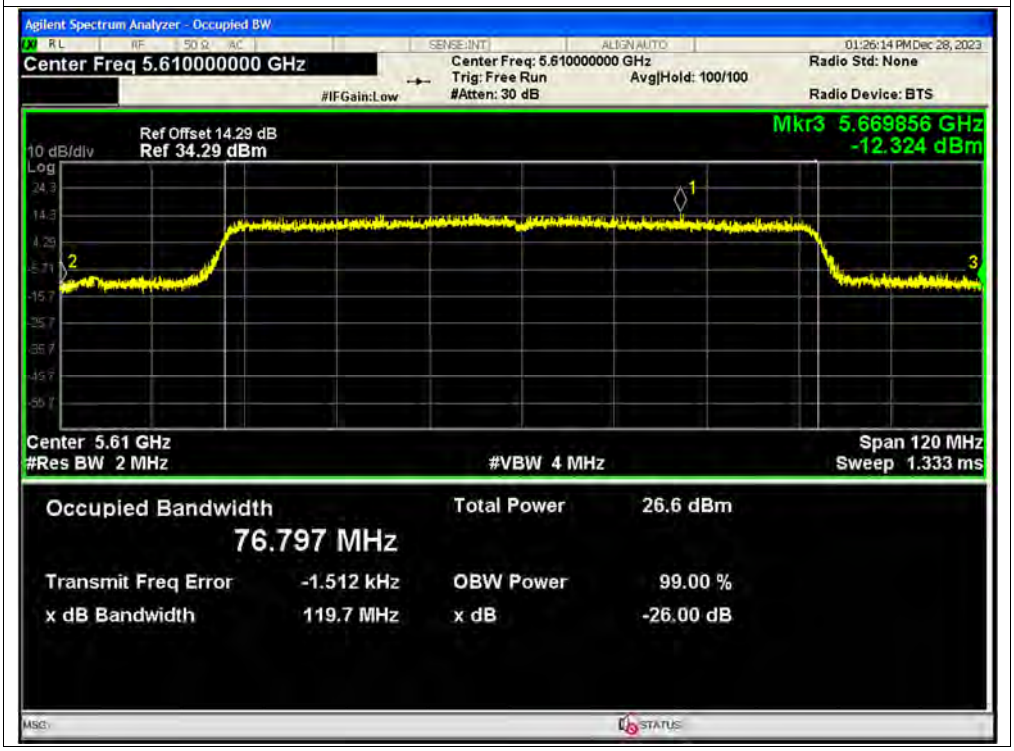
-26dB Bandwidth NVNT ac80 5290MHz Ant1 SISO



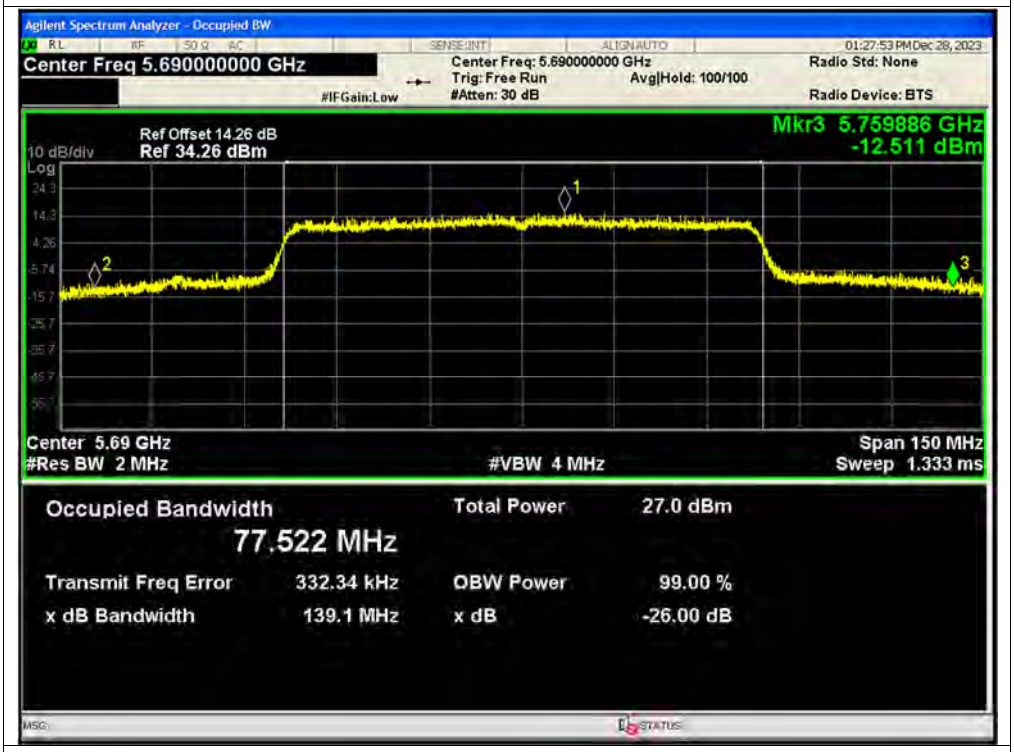
-26dB Bandwidth NVNT ac80 5530MHz Ant1 SISO



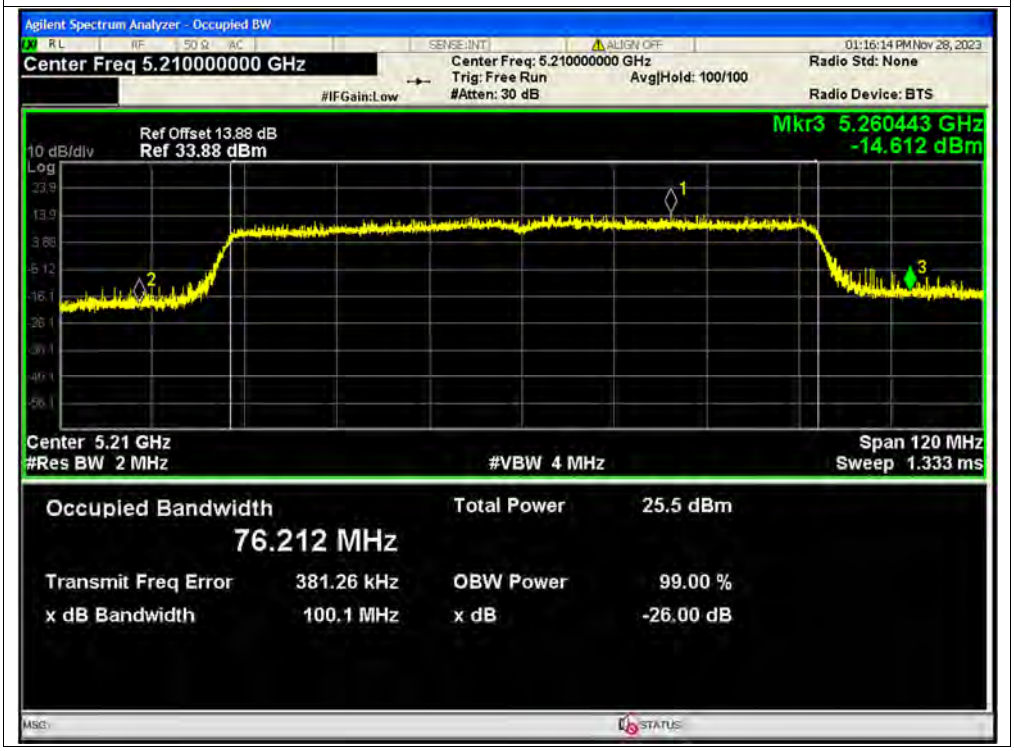
-26dB Bandwidth NVNT ac80 5610MHz Ant1 SISO



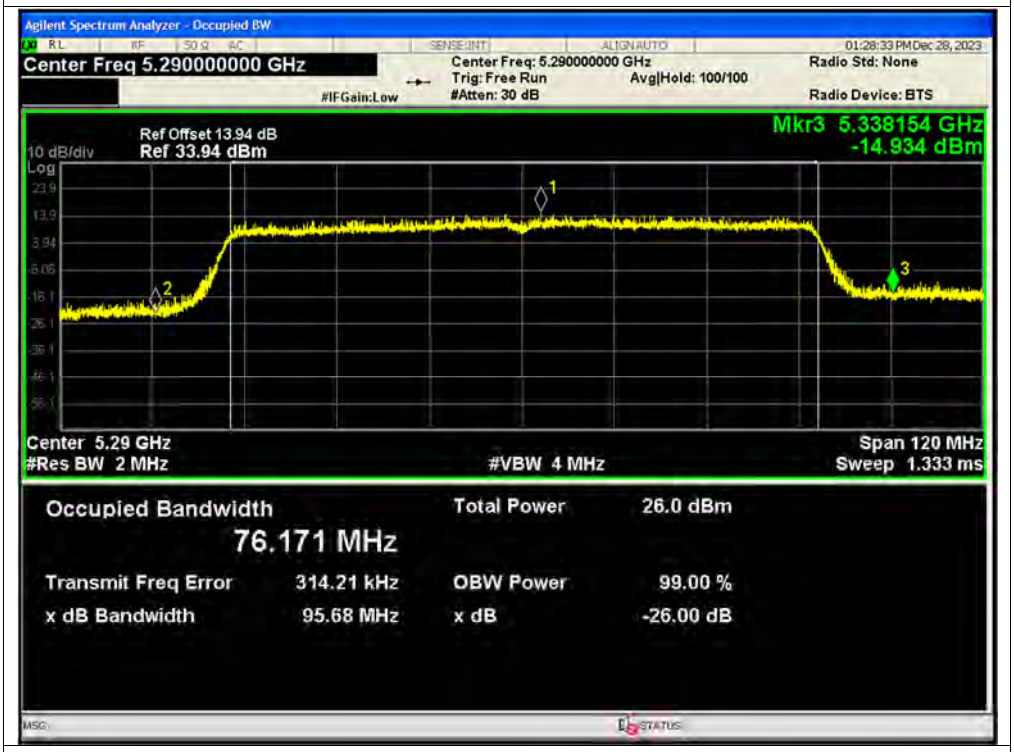
-26dB Bandwidth NVNT ac80 5690MHz Ant1 SISO



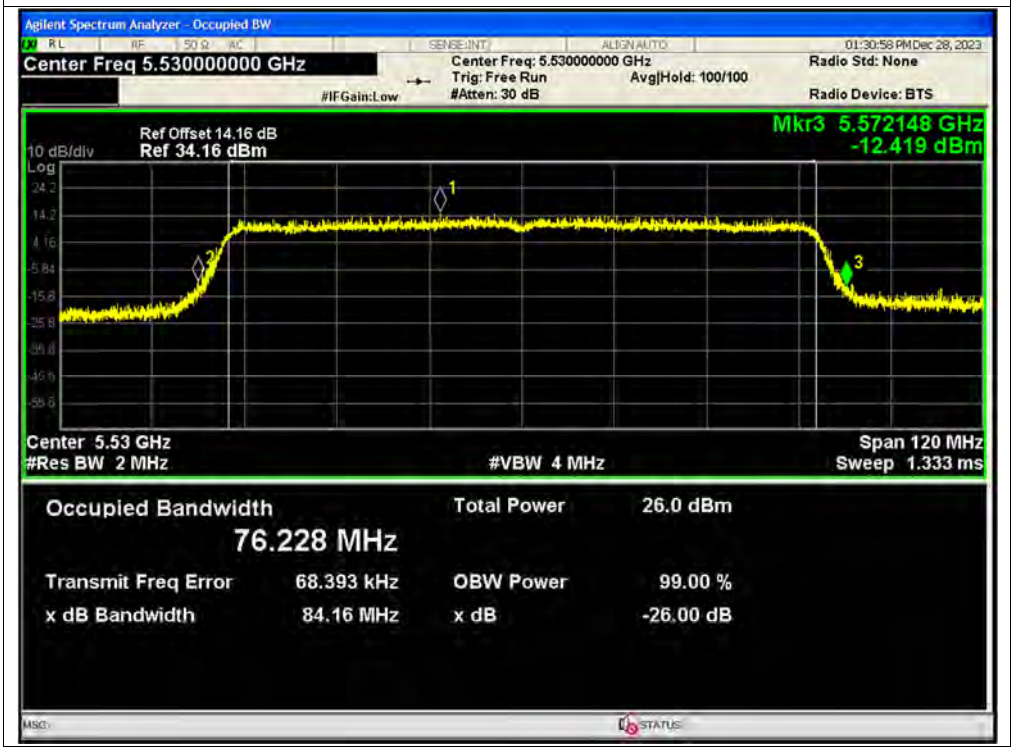
-26dB Bandwidth NVNT ac80 5210MHz Ant2 SISO



-26dB Bandwidth NVNT ac80 5290MHz Ant2 SISO



-26dB Bandwidth NVNT ac80 5530MHz Ant2 SISO



-26dB Bandwidth NVNT ac80 5610MHz Ant2 SISO

-26dB Bandwidth NVNT ac80 5690MHz Ant2 SISO