REPORT No.: SZ25050316W04

TEST REPORT

APPLICANT	:	REMO TECH Co., Ltd.
PRODUCT NAME	:	OBSBOT Tail 2 ADV
MODEL NAME	:	OAB-2405-CW
BRAND NAME	:	OBSBOT
FCC ID	:	2ASMC-OAB2405CW
STANDARD(S)	:	47 CFR Part 15 Subpart E
RECEIPT DATE	:	2026-01-20
TEST DATE	:	2026-02-24 to 2026-05-07
ISSUE DATE	:	2026-09-03

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DIRECTORY

Change History		
Version	**Date**	**Reason for change**
1.0	2026-09-03	First edition

1. Summary of Test Result

No.	Section	Description	Test Date	Test Engineer	Result	Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	/
2	ANSI C63.10	Duty Cycle of the Test Signal	Feb. 27, 2026	Li Xinpeng	PASS	/
3	15.407(a)	Maximum Conducted Output Power	Feb. 27, 2026	Li Xinpeng	PASS	/
4	15.407(a) (e)	Emission Bandwidth	Feb. 27, 2026	Li Xinpeng	PASS	/
5	15.407(a)	Peak Power Spectral Density	Mar. 02, 2026	Li Xinpeng	PASS	/
6	15.407(g)	Frequency Stability	Mar. 30, 2026	Li Xinpeng	PASS	/
7	15.207	Conducted Emission	N/A	N/A$_{Note4}$	N/A	/
8	15.407(b)	Restricted Frequency Bands	Apr. 17, 2026	Xiong Xianhong	PASS	/
9	15.407(b)	Radiated Emission	Apr. 18, 2026	Xiong Xianhong	PASS	/

Note 1: The tests of Conducted Emission and Radiated Emission were performed according to the method of measurements prescribed in ANSI C63.10-2020.

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: Measurements to demonstrate compliance with the conducted limits are not required for devices which only employ battery power for operation and which do not operate from the AC power lines or contain provisions for operation while connected to the AC power lines.

Note 5: Any additions, deviation, or exclusions from the method shall be noted in the “Remark".

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	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2025.12.23	2026.12.22
USB Wideband Power Sensor	MY54180008	U2021XA	Agilent	2025.09.03	2026.09.02
Temperature Chamber	12108015	DTL-003S101	YOMA	2025.09.03	2026.09.02
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A

1.2.2 List of Software Used

Description	Manufacturer	Software Version
Test System	MaiWei	2.0.0.0
JS32-RE	Tonscend	5.0.0

1.2.3 Radiated Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2025.05.13	2026.05.12
Test Antenna - Bi-Log	9163-274	VULB 9163	Schwarzbeck	2025.06.28	2026.06.27
Test Antenna - Loop	00131	FMZB1519B	Schwarzbeck	2025.09.08	2026.09.07
Test Antenna – Horn	9120D-963	BBHA 9120D	Schwarzbeck	2025.05.16	2026.05.15
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2025.06.20	2026.06.19
Preamplifier (10MHz-6GHz)	46732	S10M100L3802	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (2GHz-18GHz)	61171/61172	S020180L3203	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2025.09.03	2026.09.02
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.06.21	2028.06.20
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.04.19	2028.04.18

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.1-3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
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FCC Designation Number:	CN1192
FCC Test Firm Registration Number:	226174

2. General Description

2.1. Information of Applicant and Manufacturer

Applicant:	REMO TECH Co., Ltd.
Applicant Address:	201, B13, North District, Qianhai Shenzhen-Hong Kong Youth Dream Factory, No. 5188 Menghai Avenue, Shenzhen, China
Manufacturer:	REMO TECH Co., Ltd.
Manufacturer Address:	201, B13, North District, Qianhai Shenzhen-Hong Kong Youth Dream Factory, No. 5188 Menghai Avenue, Shenzhen, China

2.2. Information of EUT

Product Name:	OBSBOT Tail 2 ADV			
Sample No.:	12#, 45#			
Hardware Version:	V200_20251128			
Software Version:	7.6.0.135			
Modulation Technology:	OFDM, OFDMA			
Modulation Mode:	802.11a, 802.11n (HT20), 802.11n (HT40) 802.11ac (VHT20), 802.11ac (VHT40), 802.11ax (HEW20), 802.11ax (HEW40), 802.11ax (HEW80)			
Operating Frequency Range:	5180MHz-5240MHz; 5745MHz-5825MHz			
TPC Function:	☐With TPC ☒Without TPC			
Antenna Type:	PCB Monopole Antenna			
Antenna Gain(dBi):	Band	ANT 1	ANT 2	Directional Gain Note2
	5180MHz-5240MHz	3.55	4.73	7.17
	5745MHz-5825MHz	5.79	5.57	8.69

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

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

Note 2: Directional gain is calculated based on KDB 662911 D01

KDB 662911 D01 Directional Gain Calculation			
Clause	Type	Correlation	Calculation formula
F.2.a		☐(i). Correlated	$G_{ANT} + 10\log(N_{ANT})$

	Equal G_{ANT} & Power	☐(ii). Uncorrelated	G_{ANT}
F.2.d	Unequal G_{ANT} & Equal Power	☒(i). Correlated	$10\log[(10^{G1/20} + 10^{G2/20} + \ldots + 10^{GN/20})^2/N_{ANT}]$
		☐(ii). Uncorrelated	$10\log[(10^{G1/10} + 10^{G2/10} + \ldots + 10^{GN/10})/N_{ANT}]$

Where G_{ANT} is the antenna gain in dBi, N_{ANT} is the number of outputs.

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

Note 4: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

2.3. Channel List of EUT

(U-NII-1) 5180MHz-5240MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	**36**	**5180**	40	5200
	44	**5220**	**48**	**5240**
40MHz	**38**	**5190**	**46**	**5230**
80MHz	**42**	**5210**		
(U-NII-3) 5745MHz-5825MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	**149**	**5745**	153	5765
	157	**5785**	161	5805
	165	**5825**		
40MHz	**151**	**5755**	**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
802.11a	20	OFDM	**BPSK**	**6**/9/12/18/24/36/48/54Mbps
			QPSK	
			16QAM	
			64QAM	
802.11n	20/40 (HT20/40)	OFDM	**BPSK**	**MCS0**~MCS7
			QPSK	
			16QAM	
			64QAM	
802.11ac	20/40 (VHT20/40)	OFDM	**BPSK**	**MSC0**~MCS9
			QPSK	
			16QAM	
			64QAM	
			256QAM	
802.11ax	20/40/80 (HEW20/40/80)	OFDM/ OFDMA	**BPSK**	**MSC0**~MCS11
			QPSK	
			16QAM	
			64QAM	
			256QAM	
			1024QAM	

Note1: The RU allocation of 802.11ax mode, only full ru is supported.

Note2: 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.

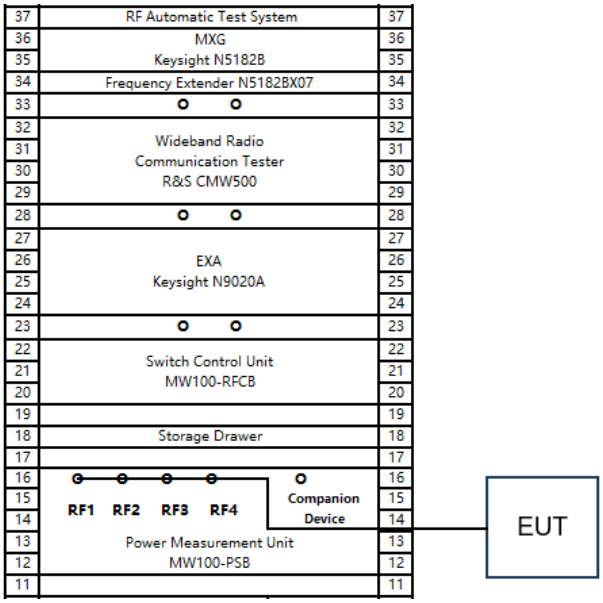
Note3: The RF signal transmission of EUT is controlled by the build-in engineering mode which is provided by the manufacturer. The recorded power setting value is the maximum that the engineering mode has configuration during testing.

2.5. Test Conditions

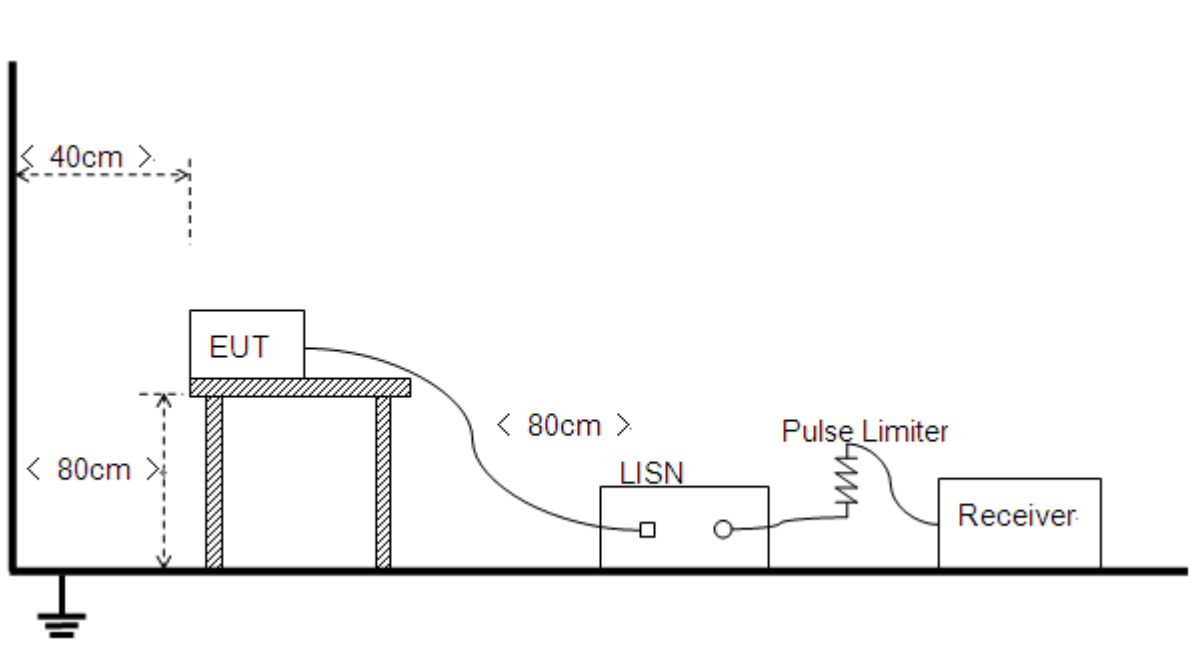
Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2.6. Test Setup Layout Diagram

2.6.1.Conducted Measurement

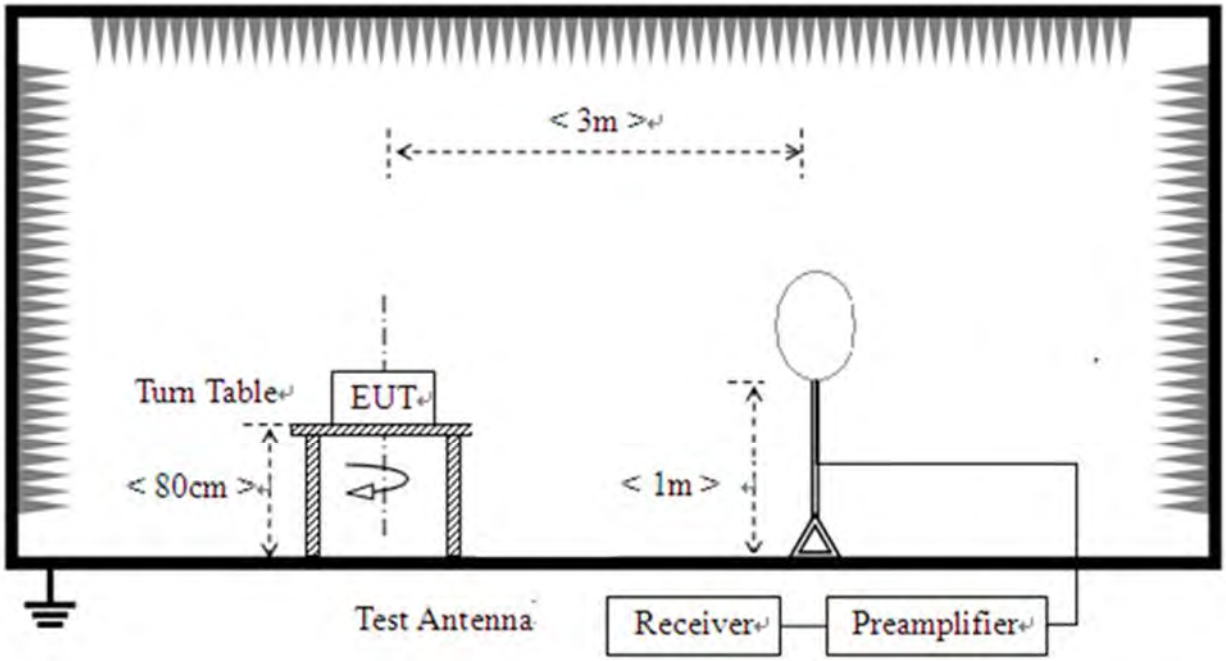


2.6.2.Conducted Emission Measurement

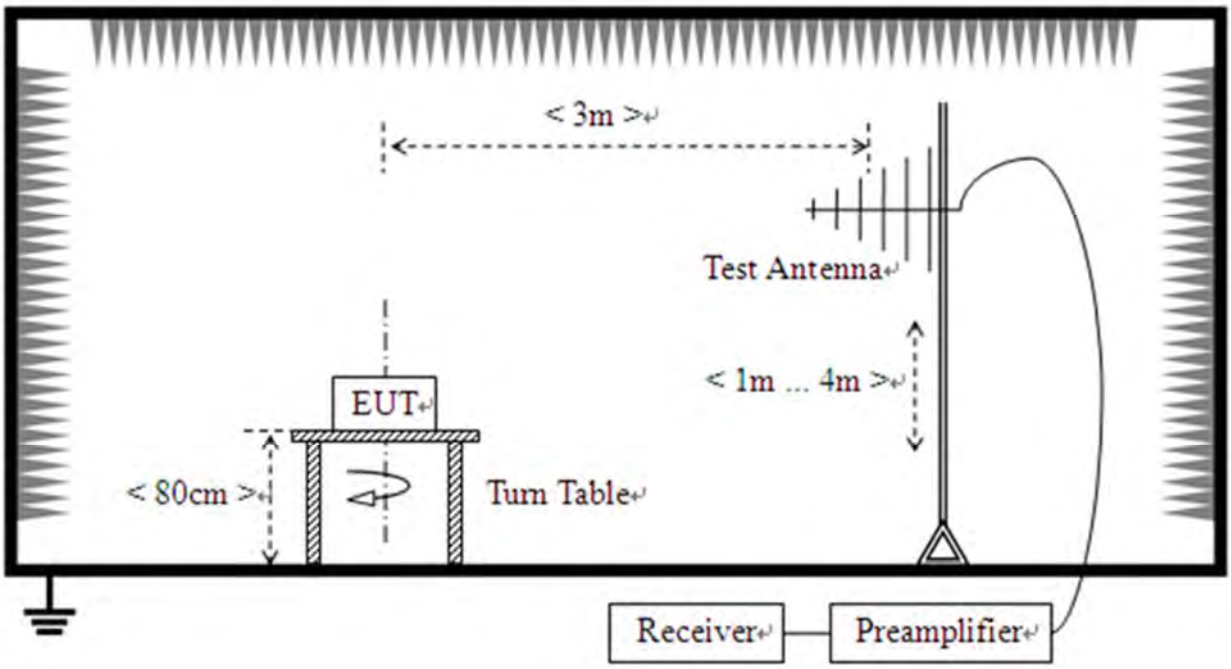


2.6.3.Radiation Measurement

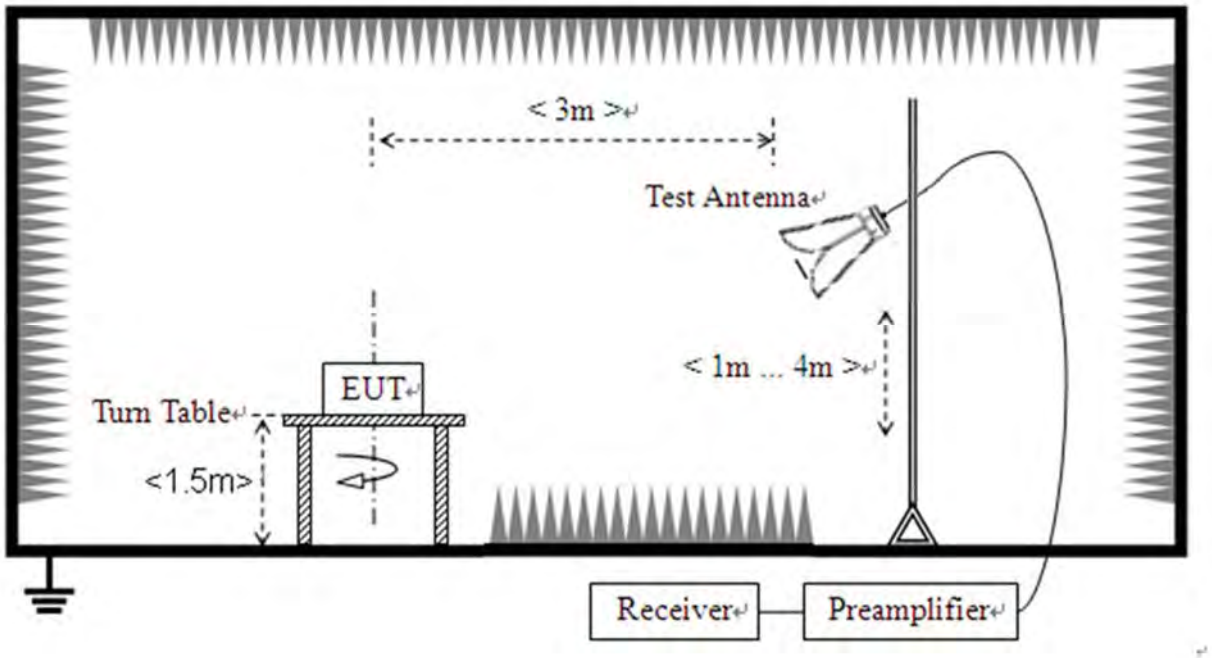
1) For radiated emissions from 9kHz to 30MHz



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

Antenna location	Antenna Type	Coupling Method
☒Internal ☐External	☐FPC Antenna ☐Spring Antenna ☐Ceramic Antenna ☐Integrated Antenna ☐Dipole Antenna ☒PCB Monopole Antenna ☐PIFA Antenna	☐I-PEX Connector ☐SMA Connector ☐RP-SMA Connector ☐Metal Shrapnel ☒Layout

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.

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.

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. Conducted Emission

3.7.1.Requirement

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

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

Note:

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

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

3.7.2.Test Procedures

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

3.7.3.Test Setup Layout

Refer to chapter 2.6.2 in this report.

3.7.4.Test Result

This test case does not apply this kind of EUT.

3.8. Restricted Frequency Bands

3.8.1.Requirement

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

(1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.

(2) For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.

(3) For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27dBm/MHz.

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

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

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

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

where P is the EIRP in Watts

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

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

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

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

3.8.2.Test Procedures

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

3.8.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.8.4.Test Result

Refer to Annex A.6 in this report.

3.9. Radiated Emission

3.9.1.Requirement

The peak emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:
(1) For transmitters operating in the 5.15–5.25 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
(2) For transmitters operating in the 5.25–5.35 GHz band: all emissions outside of the 5.15–5.35 GHz band shall not exceed an EIRP of -27dBm/MHz.
(3) For transmitters operating in the 5.47–5.725 GHz band: all emissions outside of the 5.47–5.725 GHz band shall not exceed an EIRP of -27dBm/MHz.
(4) For transmitters operating in the 5.725-5.85 GHz band: All emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.
The following formula is used to convert the equipment isotropic radiated power(e.i.r.p.) to field strength (dBμV/m);

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

where P is the EIRP in Watts

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

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

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

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

3.9.2.Test Procedures

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

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

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

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

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

3.9.3.Test Setup Layout

Refer to chapter 2.6.3 in this report.

3.9.4.Test Result

Refer to Annex A.7 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	98.21	0.08	0.18
NVNT	a SISO	5220	Ant1	98.21	0.08	0.18
NVNT	a SISO	5240	Ant1	98.21	0.08	0.18
NVNT	a SISO	5745	Ant1	98.21	0.08	0.18
NVNT	a SISO	5785	Ant1	98.21	0.08	0.18
NVNT	a SISO	5825	Ant1	98.21	0.08	0.18
NVNT	a SISO	5180	Ant2	98.21	0.08	0.18
NVNT	a SISO	5220	Ant2	98.21	0.08	0.18
NVNT	a SISO	5240	Ant2	98.21	0.08	0.18
NVNT	a SISO	5745	Ant2	98.21	0.08	0.18
NVNT	a SISO	5785	Ant2	98.21	0.08	0.18
NVNT	a SISO	5825	Ant2	98.21	0.08	0.18
NVNT	n20 SISO	5180	Ant1	98.17	0.08	0.19
NVNT	n20 SISO	5220	Ant1	98.18	0.08	0.19
NVNT	n20 SISO	5240	Ant1	98.17	0.08	0.19
NVNT	n20 SISO	5745	Ant1	98.18	0.08	0.19
NVNT	n20 SISO	5785	Ant1	98.17	0.08	0.19
NVNT	n20 SISO	5825	Ant1	98.17	0.08	0.19
NVNT	n20 SISO	5180	Ant2	98.17	0.08	0.19
NVNT	n20 SISO	5220	Ant2	98.17	0.08	0.19
NVNT	n20 SISO	5240	Ant2	98.17	0.08	0.19
NVNT	n20 SISO	5745	Ant2	98.17	0.08	0.19
NVNT	n20 SISO	5785	Ant2	98.17	0.08	0.19
NVNT	n20 SISO	5825	Ant2	98.17	0.08	0.19
NVNT	n20 MIMO	5180	Sum	98.35	0.07	0.19
NVNT	n20 MIMO	5220	Sum	98.35	0.07	0.19
NVNT	n20 MIMO	5240	Sum	98.17	0.08	0.19
NVNT	n20 MIMO	5745	Sum	98.35	0.07	0.19

NVNT	n20 MIMO	5785	Sum	98.35	0.07	0.19
NVNT	n20 MIMO	5825	Sum	98.35	0.07	0.19
NVNT	n40 SISO	5190	Ant1	97.11	0.13	0.33
NVNT	n40 SISO	5230	Ant1	97.11	0.13	0.33
NVNT	n40 SISO	5755	Ant1	96.79	0.14	0.33
NVNT	n40 SISO	5795	Ant1	97.11	0.13	0.33
NVNT	n40 SISO	5190	Ant2	96.79	0.14	0.33
NVNT	n40 SISO	5230	Ant2	96.79	0.14	0.33
NVNT	n40 SISO	5755	Ant2	96.79	0.14	0.33
NVNT	n40 SISO	5795	Ant2	96.79	0.14	0.33
NVNT	n40 MIMO	5190	Sum	97.11	0.13	0.33
NVNT	n40 MIMO	5230	Sum	97.11	0.13	0.33
NVNT	n40 MIMO	5755	Sum	96.79	0.14	0.33
NVNT	n40 MIMO	5795	Sum	97.11	0.13	0.33
NVNT	ac20 SISO	5180	Ant1	98.18	0.08	0.19
NVNT	ac20 SISO	5220	Ant1	98.18	0.08	0.19
NVNT	ac20 SISO	5240	Ant1	98.18	0.08	0.19
NVNT	ac20 SISO	5745	Ant1	98.18	0.08	0.19
NVNT	ac20 SISO	5785	Ant1	98.18	0.08	0.19
NVNT	ac20 SISO	5825	Ant1	98.18	0.08	0.19
NVNT	ac20 SISO	5180	Ant2	98.18	0.08	0.19
NVNT	ac20 SISO	5220	Ant2	98.18	0.08	0.19
NVNT	ac20 SISO	5240	Ant2	98.36	0.07	0.19
NVNT	ac20	5745	Ant2	98.18	0.08	0.19

	SISO					
NVNT	ac20 SISO	5785	Ant2	98.18	0.08	0.19
NVNT	ac20 SISO	5825	Ant2	98.18	0.08	0.19
NVNT	ac20 MIMO	5180	Sum	98.35	0.07	0.19
NVNT	ac20 MIMO	5220	Sum	98.35	0.07	0.19
NVNT	ac20 MIMO	5240	Sum	98.35	0.07	0.19
NVNT	ac20 MIMO	5745	Sum	98.35	0.07	0.19
NVNT	ac20 MIMO	5785	Sum	98.35	0.07	0.19
NVNT	ac20 MIMO	5825	Sum	98.35	0.07	0.19
NVNT	ac40 SISO	5190	Ant1	98.29	0.08	0.19
NVNT	ac40 SISO	5230	Ant1	98.29	0.08	0.19
NVNT	ac40 SISO	5755	Ant1	98.29	0.08	0.19
NVNT	ac40 SISO	5795	Ant1	98.29	0.08	0.19
NVNT	ac40 SISO	5190	Ant2	98.1	0.08	0.19
NVNT	ac40 SISO	5230	Ant2	98.1	0.08	0.19
NVNT	ac40 SISO	5755	Ant2	98.1	0.08	0.19
NVNT	ac40 SISO	5795	Ant2	98.1	0.08	0.19
NVNT	ac40 MIMO	5190	Sum	98.29	0.08	0.19
NVNT	ac40 MIMO	5230	Sum	98.29	0.08	0.19
NVNT	ac40 MIMO	5755	Sum	98.29	0.08	0.19

NVNT	ac40 MIMO	5795	Sum	98.29	0.08	0.19
NVNT	ax20 SISO	5180	Ant1	88.06	0.55	0.85
NVNT	ax20 SISO	5220	Ant1	87.31	0.59	0.85
NVNT	ax20 SISO	5240	Ant1	86.76	0.62	0.85
NVNT	ax20 SISO	5745	Ant1	87.97	0.56	0.85
NVNT	ax20 SISO	5785	Ant1	88.06	0.55	0.85
NVNT	ax20 SISO	5825	Ant1	88.06	0.55	0.85
NVNT	ax20 SISO	5180	Ant2	87.41	0.58	0.85
NVNT	ax20 SISO	5220	Ant2	88.06	0.55	0.85
NVNT	ax20 SISO	5240	Ant2	87.97	0.56	0.85
NVNT	ax20 SISO	5745	Ant2	87.41	0.58	0.85
NVNT	ax20 SISO	5785	Ant2	86.03	0.65	0.85
NVNT	ax20 SISO	5825	Ant2	88.06	0.55	0.85
NVNT	ax20 MIMO	5180	Sum	87.31	0.59	0.85
NVNT	ax20 MIMO	5220	Sum	88.06	0.55	0.85
NVNT	ax20 MIMO	5240	Sum	87.97	0.56	0.85
NVNT	ax20 MIMO	5745	Sum	87.41	0.58	0.85
NVNT	ax20 MIMO	5785	Sum	87.31	0.59	0.85
NVNT	ax20 MIMO	5825	Sum	87.31	0.59	0.85
NVNT	ax40	5190	Ant1	98.1	0.08	0.22

	SISO					
NVNT	ax40 SISO	5230	Ant1	98.09	0.08	0.22
NVNT	ax40 SISO	5755	Ant1	98.09	0.08	0.22
NVNT	ax40 SISO	5795	Ant1	98.09	0.08	0.22
NVNT	ax40 SISO	5190	Ant2	97.89	0.09	0.22
NVNT	ax40 SISO	5230	Ant2	97.89	0.09	0.22
NVNT	ax40 SISO	5755	Ant2	97.89	0.09	0.22
NVNT	ax40 SISO	5795	Ant2	97.68	0.1	0.22
NVNT	ax40 MIMO	5190	Sum	98.1	0.08	0.22
NVNT	ax40 MIMO	5230	Sum	98.09	0.08	0.22
NVNT	ax40 MIMO	5755	Sum	98.09	0.08	0.22
NVNT	ax40 MIMO	5795	Sum	97.89	0.09	0.22
NVNT	ax80 SISO	5210	Ant1	98	0.09	0.23
NVNT	ax80 SISO	5775	Ant1	98	0.09	0.23
NVNT	ax80 SISO	5210	Ant2	98	0.09	0.23
NVNT	ax80 SISO	5775	Ant2	97.79	0.1	0.23
NVNT	ax80 MIMO	5210	Sum	98	0.09	0.23
NVNT	ax80 MIMO	5775	Sum	98	0.09	0.23

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	14.96	0.03133	24	Pass
NVNT	a SISO	5220	Ant1	14.06	0.02547	24	Pass
NVNT	a SISO	5240	Ant1	13.64	0.02312	24	Pass
NVNT	a SISO	5745	Ant1	7.89	0.00615	30	Pass
NVNT	a SISO	5785	Ant1	10.82	0.01208	30	Pass
NVNT	a SISO	5825	Ant1	9.99	0.00998	30	Pass
NVNT	a SISO	5180	Ant2	14.25	0.02661	24	Pass
NVNT	a SISO	5220	Ant2	13.64	0.02312	24	Pass
NVNT	a SISO	5240	Ant2	13.13	0.02056	24	Pass
NVNT	a SISO	5745	Ant2	12.28	0.0169	30	Pass
NVNT	a SISO	5785	Ant2	10.94	0.01242	30	Pass
NVNT	a SISO	5825	Ant2	6.51	0.00448	30	Pass
NVNT	n20 SISO	5180	Ant1	14.72	0.02965	24	Pass
NVNT	n20 SISO	5220	Ant1	13.79	0.02393	24	Pass
NVNT	n20 SISO	5240	Ant1	13.4	0.02188	24	Pass
NVNT	n20 SISO	5745	Ant1	7.84	0.00608	30	Pass
NVNT	n20 SISO	5785	Ant1	10.93	0.01239	30	Pass
NVNT	n20 SISO	5825	Ant1	10.71	0.01178	30	Pass
NVNT	n20 SISO	5180	Ant2	14.08	0.02559	24	Pass
NVNT	n20 SISO	5220	Ant2	13.48	0.02228	24	Pass
NVNT	n20 SISO	5240	Ant2	12.95	0.01972	24	Pass
NVNT	n20 SISO	5745	Ant2	12.09	0.01618	30	Pass
NVNT	n20 SISO	5785	Ant2	10.63	0.01156	30	Pass
NVNT	n20 SISO	5825	Ant2	6.38	0.00435	30	Pass
NVNT	n20 MIMO	5180	Ant1	14.39	0.02748	24	Pass
NVNT	n20 MIMO	5180	Ant2	13.51	0.02244	24	Pass
NVNT	n20 MIMO	5180	Sum	16.98	0.04992	22.83	Pass
NVNT	n20 MIMO	5220	Ant1	13.45	0.02213	24	Pass
NVNT	n20 MIMO	5220	Ant2	12.79	0.01901	24	Pass
NVNT	n20 MIMO	5220	Sum	16.14	0.04114	22.83	Pass
NVNT	n20 MIMO	5240	Ant1	13	0.01995	24	Pass
NVNT	n20 MIMO	5240	Ant2	12.28	0.0169	24	Pass
NVNT	n20 MIMO	5240	Sum	15.67	0.03686	22.83	Pass
NVNT	n20 MIMO	5745	Ant1	7.91	0.00618	30	Pass

NVNT	n20 MIMO	5745	Ant2	11.56	0.01432	30	Pass
NVNT	n20 MIMO	5745	Sum	13.12	0.0205	27.31	Pass
NVNT	n20 MIMO	5785	Ant1	10.59	0.01146	30	Pass
NVNT	n20 MIMO	5785	Ant2	9.93	0.00984	30	Pass
NVNT	n20 MIMO	5785	Sum	13.28	0.0213	27.31	Pass
NVNT	n20 MIMO	5825	Ant1	9.77	0.00948	30	Pass
NVNT	n20 MIMO	5825	Ant2	6.19	0.00416	30	Pass
NVNT	n20 MIMO	5825	Sum	11.35	0.01364	27.31	Pass
NVNT	n40 SISO	5190	Ant1	14.05	0.02541	24	Pass
NVNT	n40 SISO	5230	Ant1	13.05	0.02018	24	Pass
NVNT	n40 SISO	5755	Ant1	11.1	0.01288	30	Pass
NVNT	n40 SISO	5795	Ant1	10.75	0.01189	30	Pass
NVNT	n40 SISO	5190	Ant2	13.67	0.02328	24	Pass
NVNT	n40 SISO	5230	Ant2	13.41	0.02193	24	Pass
NVNT	n40 SISO	5755	Ant2	10.43	0.01104	30	Pass
NVNT	n40 SISO	5795	Ant2	10.56	0.01138	30	Pass
NVNT	n40 MIMO	5190	Ant1	14.03	0.02529	24	Pass
NVNT	n40 MIMO	5190	Ant2	13.51	0.02244	24	Pass
NVNT	n40 MIMO	5190	Sum	16.79	0.04773	22.83	Pass
NVNT	n40 MIMO	5230	Ant1	12.99	0.01991	24	Pass
NVNT	n40 MIMO	5230	Ant2	13.11	0.02046	24	Pass
NVNT	n40 MIMO	5230	Sum	16.06	0.04037	22.83	Pass
NVNT	n40 MIMO	5755	Ant1	11.07	0.01279	30	Pass
NVNT	n40 MIMO	5755	Ant2	10	0.01	30	Pass
NVNT	n40 MIMO	5755	Sum	13.58	0.02279	27.31	Pass
NVNT	n40 MIMO	5795	Ant1	10.69	0.01172	30	Pass
NVNT	n40 MIMO	5795	Ant2	9.99	0.00998	30	Pass
NVNT	n40 MIMO	5795	Sum	13.36	0.0217	27.31	Pass
NVNT	ac20 SISO	5180	Ant1	14.9	0.0309	24	Pass
NVNT	ac20 SISO	5220	Ant1	14	0.02512	24	Pass
NVNT	ac20 SISO	5240	Ant1	13.57	0.02275	24	Pass
NVNT	ac20 SISO	5745	Ant1	8.21	0.00662	30	Pass
NVNT	ac20 SISO	5785	Ant1	10.88	0.01225	30	Pass

NVNT	ac20 SISO	5825	Ant1	10.61	0.01151	30	Pass
NVNT	ac20 SISO	5180	Ant2	14.04	0.02535	24	Pass
NVNT	ac20 SISO	5220	Ant2	13.45	0.02213	24	Pass
NVNT	ac20 SISO	5240	Ant2	12.96	0.01977	24	Pass
NVNT	ac20 SISO	5745	Ant2	12.1	0.01622	30	Pass
NVNT	ac20 SISO	5785	Ant2	10.75	0.01189	30	Pass
NVNT	ac20 SISO	5825	Ant2	6.46	0.00443	30	Pass
NVNT	ac20 MIMO	5180	Ant1	14.23	0.02649	24	Pass
NVNT	ac20 MIMO	5180	Ant2	13.34	0.02158	24	Pass
NVNT	ac20 MIMO	5180	Sum	16.82	0.04806	22.83	Pass
NVNT	ac20 MIMO	5220	Ant1	13.37	0.02173	24	Pass
NVNT	ac20 MIMO	5220	Ant2	12.74	0.01879	24	Pass
NVNT	ac20 MIMO	5220	Sum	16.08	0.04052	22.83	Pass
NVNT	ac20 MIMO	5240	Ant1	13	0.01995	24	Pass
NVNT	ac20 MIMO	5240	Ant2	12.29	0.01694	24	Pass
NVNT	ac20 MIMO	5240	Sum	15.67	0.0369	22.83	Pass
NVNT	ac20 MIMO	5745	Ant1	7.88	0.00614	30	Pass
NVNT	ac20 MIMO	5745	Ant2	11.58	0.01439	30	Pass
NVNT	ac20 MIMO	5745	Sum	13.12	0.02053	27.31	Pass
NVNT	ac20	5785	Ant1	10.59	0.01146	30	Pass

	MIMO						
NVNT	ac20 MIMO	5785	Ant2	9.99	0.00998	30	Pass
NVNT	ac20 MIMO	5785	Sum	13.31	0.02143	27.31	Pass
NVNT	ac20 MIMO	5825	Ant1	9.8	0.00955	30	Pass
NVNT	ac20 MIMO	5825	Ant2	6.2	0.00417	30	Pass
NVNT	ac20 MIMO	5825	Sum	11.37	0.01372	27.31	Pass
NVNT	ac40 SISO	5190	Ant1	13.93	0.02472	24	Pass
NVNT	ac40 SISO	5230	Ant1	12.95	0.01972	24	Pass
NVNT	ac40 SISO	5755	Ant1	11.04	0.01271	30	Pass
NVNT	ac40 SISO	5795	Ant1	10.66	0.01164	30	Pass
NVNT	ac40 SISO	5190	Ant2	13.97	0.02495	24	Pass
NVNT	ac40 SISO	5230	Ant2	13.64	0.02312	24	Pass
NVNT	ac40 SISO	5755	Ant2	10.69	0.01172	30	Pass
NVNT	ac40 SISO	5795	Ant2	10.63	0.01156	30	Pass
NVNT	ac40 MIMO	5190	Ant1	13.91	0.0246	24	Pass
NVNT	ac40 MIMO	5190	Ant2	13.34	0.02158	24	Pass
NVNT	ac40 MIMO	5190	Sum	16.64	0.04618	22.83	Pass
NVNT	ac40 MIMO	5230	Ant1	12.93	0.01963	24	Pass
NVNT	ac40 MIMO	5230	Ant2	12.98	0.01986	24	Pass
NVNT	ac40 MIMO	5230	Sum	15.96	0.03949	22.83	Pass

NVNT	ac40 MIMO	5755	Ant1	11.06	0.01276	30	Pass
NVNT	ac40 MIMO	5755	Ant2	9.93	0.00984	30	Pass
NVNT	ac40 MIMO	5755	Sum	13.54	0.0226	27.31	Pass
NVNT	ac40 MIMO	5795	Ant1	10.65	0.01161	30	Pass
NVNT	ac40 MIMO	5795	Ant2	9.94	0.00986	30	Pass
NVNT	ac40 MIMO	5795	Sum	13.32	0.02148	27.31	Pass
NVNT	ax20 SISO	5180	Ant1	14.78	0.03006	24	Pass
NVNT	ax20 SISO	5220	Ant1	13.89	0.02449	24	Pass
NVNT	ax20 SISO	5240	Ant1	13.51	0.02244	24	Pass
NVNT	ax20 SISO	5745	Ant1	8.19	0.00659	30	Pass
NVNT	ax20 SISO	5785	Ant1	10.95	0.01245	30	Pass
NVNT	ax20 SISO	5825	Ant1	10.44	0.01107	30	Pass
NVNT	ax20 SISO	5180	Ant2	14.16	0.02606	24	Pass
NVNT	ax20 SISO	5220	Ant2	13.5	0.02239	24	Pass
NVNT	ax20 SISO	5240	Ant2	13.04	0.02014	24	Pass
NVNT	ax20 SISO	5745	Ant2	12.14	0.01637	30	Pass
NVNT	ax20 SISO	5785	Ant2	10.74	0.01186	30	Pass
NVNT	ax20 SISO	5825	Ant2	6.45	0.00442	30	Pass
NVNT	ax20 MIMO	5180	Ant1	14.22	0.02642	24	Pass
NVNT	ax20	5180	Ant2	13.43	0.02203	24	Pass

	MIMO						
NVNT	ax20 MIMO	5180	Sum	16.85	0.04845	22.83	Pass
NVNT	ax20 MIMO	5220	Ant1	13.36	0.02168	24	Pass
NVNT	ax20 MIMO	5220	Ant2	12.8	0.01905	24	Pass
NVNT	ax20 MIMO	5220	Sum	16.1	0.04073	22.83	Pass
NVNT	ax20 MIMO	5240	Ant1	12.91	0.01954	24	Pass
NVNT	ax20 MIMO	5240	Ant2	12.32	0.01706	24	Pass
NVNT	ax20 MIMO	5240	Sum	15.63	0.0366	22.83	Pass
NVNT	ax20 MIMO	5745	Ant1	7.74	0.00594	30	Pass
NVNT	ax20 MIMO	5745	Ant2	11.5	0.01413	30	Pass
NVNT	ax20 MIMO	5745	Sum	13.03	0.02007	27.31	Pass
NVNT	ax20 MIMO	5785	Ant1	10.59	0.01146	30	Pass
NVNT	ax20 MIMO	5785	Ant2	9.98	0.00995	30	Pass
NVNT	ax20 MIMO	5785	Sum	13.31	0.02141	27.31	Pass
NVNT	ax20 MIMO	5825	Ant1	9.88	0.00973	30	Pass
NVNT	ax20 MIMO	5825	Ant2	6.05	0.00403	30	Pass
NVNT	ax20 MIMO	5825	Sum	11.38	0.01375	27.31	Pass
NVNT	ax40 SISO	5190	Ant1	13.72	0.02355	24	Pass
NVNT	ax40 SISO	5230	Ant1	12.73	0.01875	24	Pass
NVNT	ax40 SISO	5755	Ant1	10.68	0.01169	30	Pass

NVNT	ax40 SISO	5795	Ant1	10.26	0.01062	30	Pass
NVNT	ax40 SISO	5190	Ant2	13.91	0.0246	24	Pass
NVNT	ax40 SISO	5230	Ant2	13.59	0.02286	24	Pass
NVNT	ax40 SISO	5755	Ant2	10.61	0.01151	30	Pass
NVNT	ax40 SISO	5795	Ant2	10.57	0.0114	30	Pass
NVNT	ax40 MIMO	5190	Ant1	13.74	0.02366	24	Pass
NVNT	ax40 MIMO	5190	Ant2	13.21	0.02094	24	Pass
NVNT	ax40 MIMO	5190	Sum	16.49	0.0446	22.83	Pass
NVNT	ax40 MIMO	5230	Ant1	12.78	0.01897	24	Pass
NVNT	ax40 MIMO	5230	Ant2	12.87	0.01936	24	Pass
NVNT	ax40 MIMO	5230	Sum	15.84	0.03833	22.83	Pass
NVNT	ax40 MIMO	5755	Ant1	10.72	0.0118	30	Pass
NVNT	ax40 MIMO	5755	Ant2	9.79	0.00953	30	Pass
NVNT	ax40 MIMO	5755	Sum	13.29	0.02133	27.31	Pass
NVNT	ax40 MIMO	5795	Ant1	10.32	0.01076	30	Pass
NVNT	ax40 MIMO	5795	Ant2	9.77	0.00948	30	Pass
NVNT	ax40 MIMO	5795	Sum	13.06	0.02025	27.31	Pass
NVNT	ax80 SISO	5210	Ant1	15.04	0.03192	24	Pass
NVNT	ax80 SISO	5775	Ant1	10.95	0.01245	30	Pass
NVNT	ax80	5210	Ant2	13.51	0.02244	24	Pass

	SISO						
NVNT	ax80 SISO	5775	Ant2	11.3	0.01349	30	Pass
NVNT	ax80 MIMO	5210	Ant1	14.77	0.02999	24	Pass
NVNT	ax80 MIMO	5210	Ant2	13.11	0.02046	24	Pass
NVNT	ax80 MIMO	5210	Sum	17.03	0.05046	22.83	Pass
NVNT	ax80 MIMO	5775	Ant1	10.36	0.01086	30	Pass
NVNT	ax80 MIMO	5775	Ant2	10.59	0.01146	30	Pass
NVNT	ax80 MIMO	5775	Sum	13.49	0.02232	27.31	Pass

Note: Directional gain = $10\log[(10^{G0/20}+10^{G1/20})^2/2$ = 7.17dBi＞6dBi, so the power limit shall be reduced to 24-(7.17-6) = 22.83dBm for 5.18-5.24GHz band. Directional gain = $10\log[(10^{G0/20}+10^{G1/20})^2/2$ = 8.69dBi＞6dBi, so the power limit shall be reduced to 30-(8.69-6) = 27.31dBm for 5.745-5.825GHz band.

A.3. Emission Bandwidth

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a SISO	5180	Ant1	19.66
NVNT	a SISO	5220	Ant1	19.44
NVNT	a SISO	5240	Ant1	19.6
NVNT	a SISO	5180	Ant2	19.37
NVNT	a SISO	5220	Ant2	19.67
NVNT	a SISO	5240	Ant2	19.45
NVNT	n20 SISO	5180	Ant1	19.98
NVNT	n20 SISO	5220	Ant1	19.78
NVNT	n20 SISO	5240	Ant1	19.83
NVNT	n20 SISO	5180	Ant2	19.84
NVNT	n20 SISO	5220	Ant2	19.99
NVNT	n20 SISO	5240	Ant2	19.9
NVNT	n20 MIMO	5180	Ant1	19.62
NVNT	n20 MIMO	5180	Ant2	19.89
NVNT	n20 MIMO	5220	Ant1	19.61
NVNT	n20 MIMO	5220	Ant2	20.1
NVNT	n20 MIMO	5240	Ant1	19.74
NVNT	n20 MIMO	5240	Ant2	19.86
NVNT	n40 SISO	5190	Ant1	55.59
NVNT	n40 SISO	5230	Ant1	39.03
NVNT	n40 SISO	5190	Ant2	39.62
NVNT	n40 SISO	5230	Ant2	39.48
NVNT	n40 MIMO	5190	Ant1	52.91
NVNT	n40 MIMO	5190	Ant2	39.96
NVNT	n40 MIMO	5230	Ant1	39.09
NVNT	n40 MIMO	5230	Ant2	42.52
NVNT	ac20 SISO	5180	Ant1	20.07
NVNT	ac20 SISO	5220	Ant1	19.8
NVNT	ac20 SISO	5240	Ant1	19.94
NVNT	ac20 SISO	5180	Ant2	20.12
NVNT	ac20 SISO	5220	Ant2	19.83
NVNT	ac20 SISO	5240	Ant2	19.73
NVNT	ac20 MIMO	5180	Ant1	19.88
NVNT	ac20 MIMO	5180	Ant2	19.87
NVNT	ac20 MIMO	5220	Ant1	19.77
NVNT	ac20 MIMO	5220	Ant2	20.05

NVNT	ac20 MIMO	5240	Ant1	19.8
NVNT	ac20 MIMO	5240	Ant2	19.99
NVNT	ac40 SISO	5190	Ant1	54.9
NVNT	ac40 SISO	5230	Ant1	39.2
NVNT	ac40 SISO	5190	Ant2	41.91
NVNT	ac40 SISO	5230	Ant2	39.61
NVNT	ac40 MIMO	5190	Ant1	54.62
NVNT	ac40 MIMO	5190	Ant2	45.44
NVNT	ac40 MIMO	5230	Ant1	39.15
NVNT	ac40 MIMO	5230	Ant2	40.8
NVNT	ax20 SISO	5180	Ant1	20.13
NVNT	ax20 SISO	5220	Ant1	20.09
NVNT	ax20 SISO	5240	Ant1	20.23
NVNT	ax20 SISO	5180	Ant2	20.08
NVNT	ax20 SISO	5220	Ant2	20.14
NVNT	ax20 SISO	5240	Ant2	20.25
NVNT	ax20 MIMO	5180	Ant1	20.12
NVNT	ax20 MIMO	5180	Ant2	20.17
NVNT	ax20 MIMO	5220	Ant1	20.02
NVNT	ax20 MIMO	5220	Ant2	20.11
NVNT	ax20 MIMO	5240	Ant1	20.01
NVNT	ax20 MIMO	5240	Ant2	20.1
NVNT	ax40 SISO	5190	Ant1	49.58
NVNT	ax40 SISO	5230	Ant1	39.39
NVNT	ax40 SISO	5190	Ant2	39.42
NVNT	ax40 SISO	5230	Ant2	41.41
NVNT	ax40 MIMO	5190	Ant1	50.93
NVNT	ax40 MIMO	5190	Ant2	39.73
NVNT	ax40 MIMO	5230	Ant1	39.39
NVNT	ax40 MIMO	5230	Ant2	39.52
NVNT	ax80 SISO	5210	Ant1	82.24
NVNT	ax80 SISO	5210	Ant2	82.06
NVNT	ax80 MIMO	5210	Ant1	88.61
NVNT	ax80 MIMO	5210	Ant2	82.09

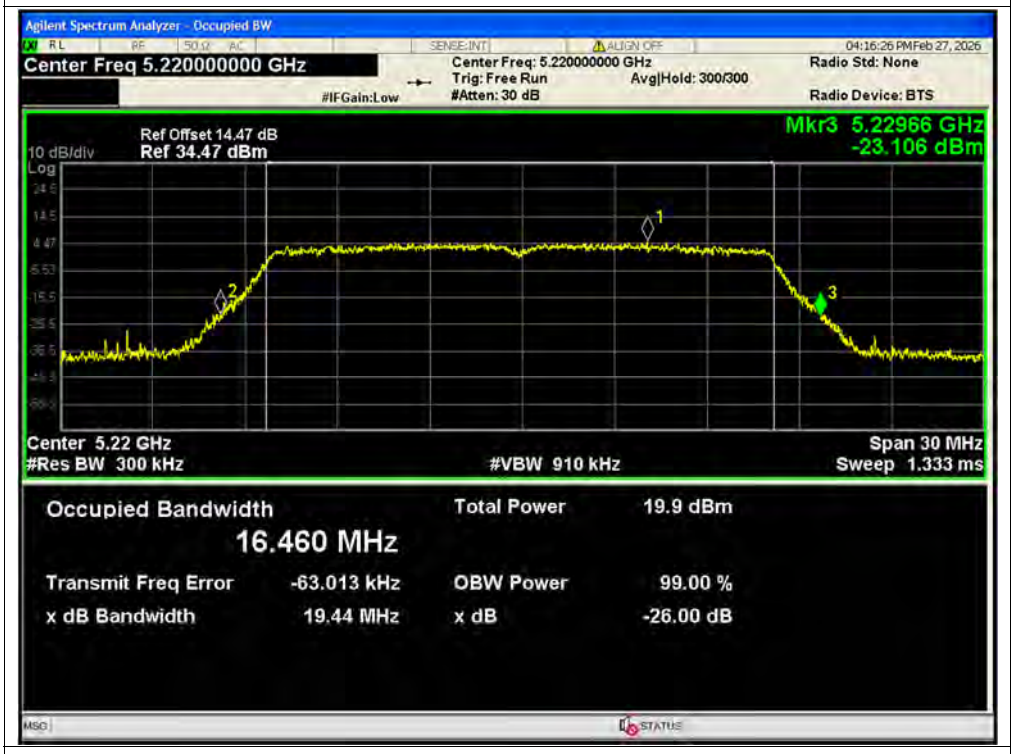
Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a SISO	5745	Ant1	16.5	0.5	Pass
NVNT	a SISO	5785	Ant1	16.36	0.5	Pass
NVNT	a SISO	5825	Ant1	16.4	0.5	Pass
NVNT	a SISO	5745	Ant2	16.03	0.5	Pass
NVNT	a SISO	5785	Ant2	15.78	0.5	Pass
NVNT	a SISO	5825	Ant2	16.48	0.5	Pass
NVNT	n20 SISO	5745	Ant1	17.58	0.5	Pass
NVNT	n20 SISO	5785	Ant1	17.59	0.5	Pass
NVNT	n20 SISO	5825	Ant1	17.61	0.5	Pass
NVNT	n20 SISO	5745	Ant2	16.04	0.5	Pass
NVNT	n20 SISO	5785	Ant2	15.87	0.5	Pass
NVNT	n20 SISO	5825	Ant2	17.55	0.5	Pass
NVNT	n20 MIMO	5745	Ant1	17.59	0.5	Pass
NVNT	n20 MIMO	5745	Ant2	15.71	0.5	Pass
NVNT	n20 MIMO	5785	Ant1	17.57	0.5	Pass
NVNT	n20 MIMO	5785	Ant2	15.72	0.5	Pass
NVNT	n20 MIMO	5825	Ant1	17.59	0.5	Pass
NVNT	n20 MIMO	5825	Ant2	17.56	0.5	Pass
NVNT	n40 SISO	5755	Ant1	35.07	0.5	Pass
NVNT	n40 SISO	5795	Ant1	36.28	0.5	Pass
NVNT	n40 SISO	5755	Ant2	34.04	0.5	Pass
NVNT	n40	5795	Ant2	34.93	0.5	Pass

	SISO					
NVNT	n40 MIMO	5755	Ant1	35.67	0.5	Pass
NVNT	n40 MIMO	5755	Ant2	35.18	0.5	Pass
NVNT	n40 MIMO	5795	Ant1	36.31	0.5	Pass
NVNT	n40 MIMO	5795	Ant2	35.12	0.5	Pass
NVNT	ac20 SISO	5745	Ant1	17.55	0.5	Pass
NVNT	ac20 SISO	5785	Ant1	17.58	0.5	Pass
NVNT	ac20 SISO	5825	Ant1	17.57	0.5	Pass
NVNT	ac20 SISO	5745	Ant2	15.74	0.5	Pass
NVNT	ac20 SISO	5785	Ant2	15.74	0.5	Pass
NVNT	ac20 SISO	5825	Ant2	17.56	0.5	Pass
NVNT	ac20 MIMO	5745	Ant1	17.52	0.5	Pass
NVNT	ac20 MIMO	5745	Ant2	16.26	0.5	Pass
NVNT	ac20 MIMO	5785	Ant1	17.61	0.5	Pass
NVNT	ac20 MIMO	5785	Ant2	16.27	0.5	Pass
NVNT	ac20 MIMO	5825	Ant1	17.59	0.5	Pass
NVNT	ac20 MIMO	5825	Ant2	17.57	0.5	Pass
NVNT	ac40 SISO	5755	Ant1	35.02	0.5	Pass
NVNT	ac40 SISO	5795	Ant1	36.29	0.5	Pass
NVNT	ac40 SISO	5755	Ant2	34.98	0.5	Pass

NVNT	ac40 SISO	5795	Ant2	34.79	0.5	Pass
NVNT	ac40 MIMO	5755	Ant1	35.89	0.5	Pass
NVNT	ac40 MIMO	5755	Ant2	33.23	0.5	Pass
NVNT	ac40 MIMO	5795	Ant1	36.29	0.5	Pass
NVNT	ac40 MIMO	5795	Ant2	35.17	0.5	Pass
NVNT	ax20 SISO	5745	Ant1	18.4	0.5	Pass
NVNT	ax20 SISO	5785	Ant1	18.56	0.5	Pass
NVNT	ax20 SISO	5825	Ant1	18.55	0.5	Pass
NVNT	ax20 SISO	5745	Ant2	16.53	0.5	Pass
NVNT	ax20 SISO	5785	Ant2	16.62	0.5	Pass
NVNT	ax20 SISO	5825	Ant2	18.46	0.5	Pass
NVNT	ax20 MIMO	5745	Ant1	18.07	0.5	Pass
NVNT	ax20 MIMO	5745	Ant2	17.05	0.5	Pass
NVNT	ax20 MIMO	5785	Ant1	18.24	0.5	Pass
NVNT	ax20 MIMO	5785	Ant2	16.72	0.5	Pass
NVNT	ax20 MIMO	5825	Ant1	18	0.5	Pass
NVNT	ax20 MIMO	5825	Ant2	18.31	0.5	Pass
NVNT	ax40 SISO	5755	Ant1	36.43	0.5	Pass
NVNT	ax40 SISO	5795	Ant1	36.6	0.5	Pass
NVNT	ax40	5755	Ant2	34.76	0.5	Pass

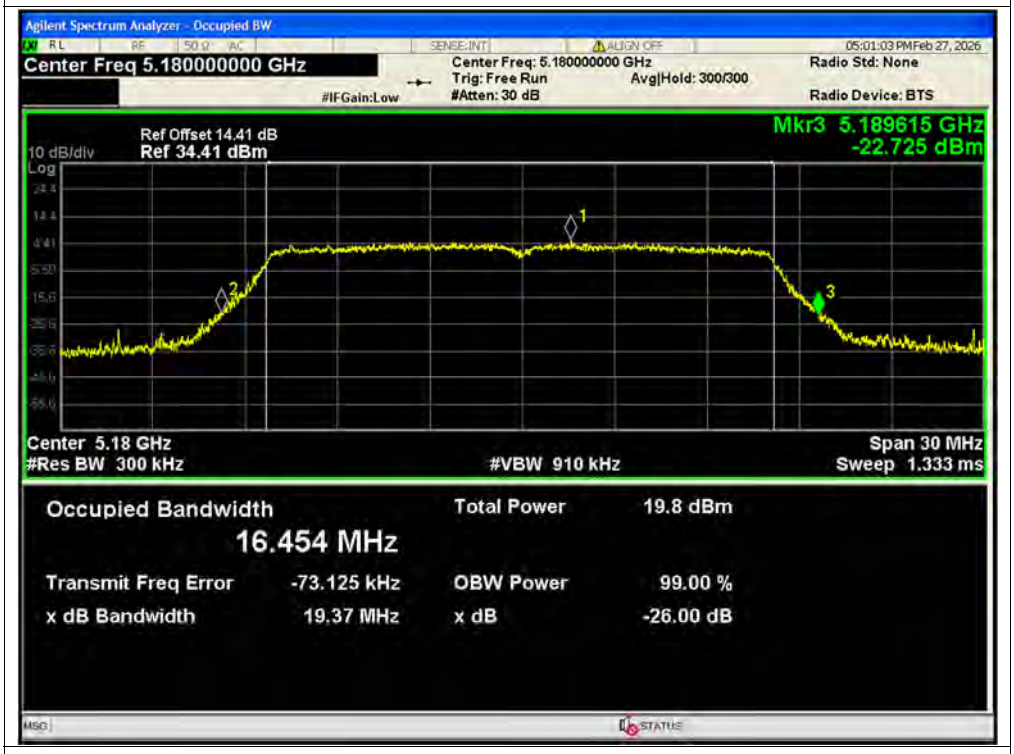
	SISO					
NVNT	ax40 SISO	5795	Ant2	33.92	0.5	Pass
NVNT	ax40 MIMO	5755	Ant1	35.39	0.5	Pass
NVNT	ax40 MIMO	5755	Ant2	34.48	0.5	Pass
NVNT	ax40 MIMO	5795	Ant1	36.78	0.5	Pass
NVNT	ax40 MIMO	5795	Ant2	34.02	0.5	Pass
NVNT	ax80 SISO	5775	Ant1	74.87	0.5	Pass
NVNT	ax80 SISO	5775	Ant2	75.11	0.5	Pass
NVNT	ax80 MIMO	5775	Ant1	70.09	0.5	Pass
NVNT	ax80 MIMO	5775	Ant2	72.84	0.5	Pass

-26dB Bandwidth NVNT a 5180MHz Ant1 SISO



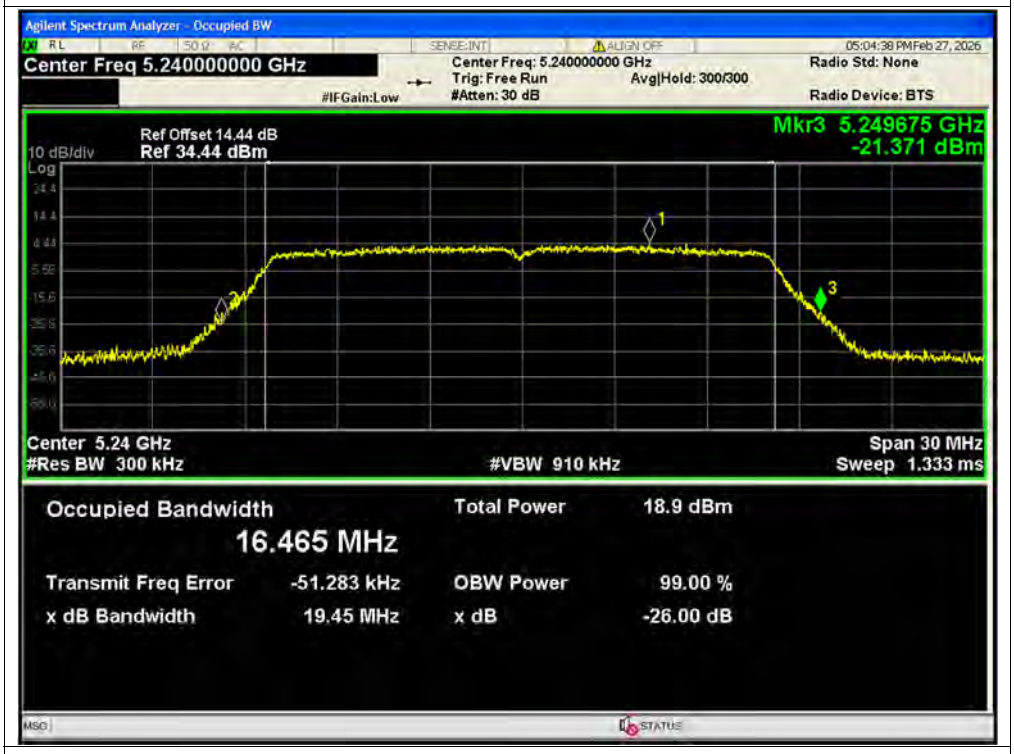
-26dB Bandwidth NVNT a 5220MHz Ant1 SISO

-26dB Bandwidth NVNT a 5240MHz Ant1 SISO



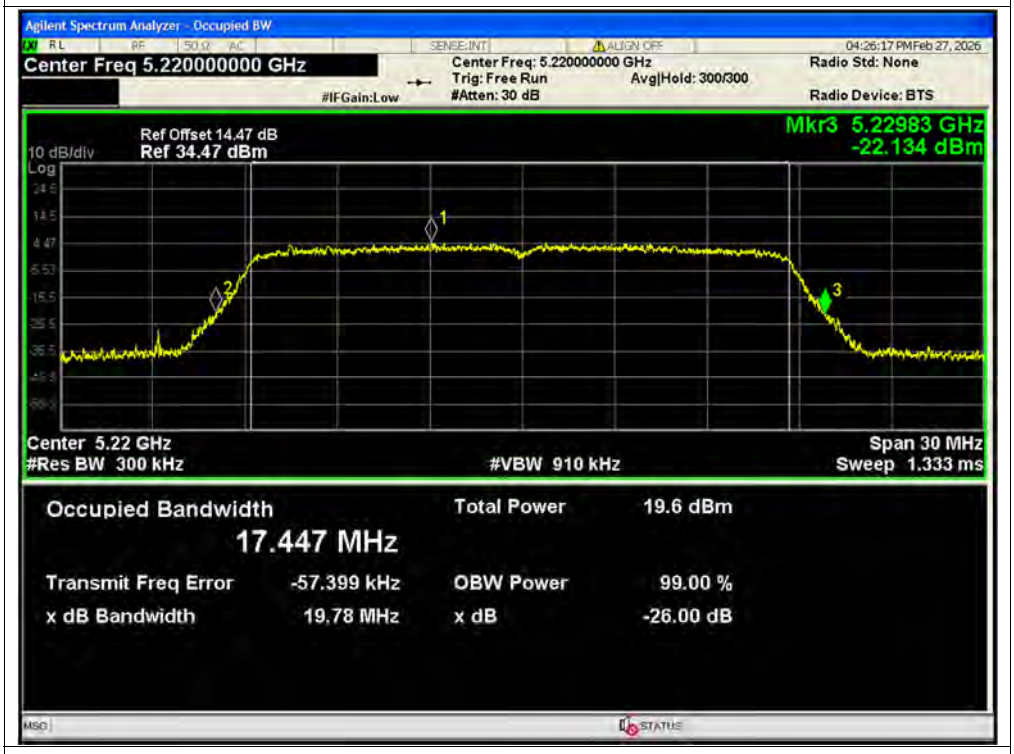
-26dB Bandwidth NVNT a 5180MHz Ant2 SISO

-26dB Bandwidth NVNT a 5220MHz Ant2 SISO



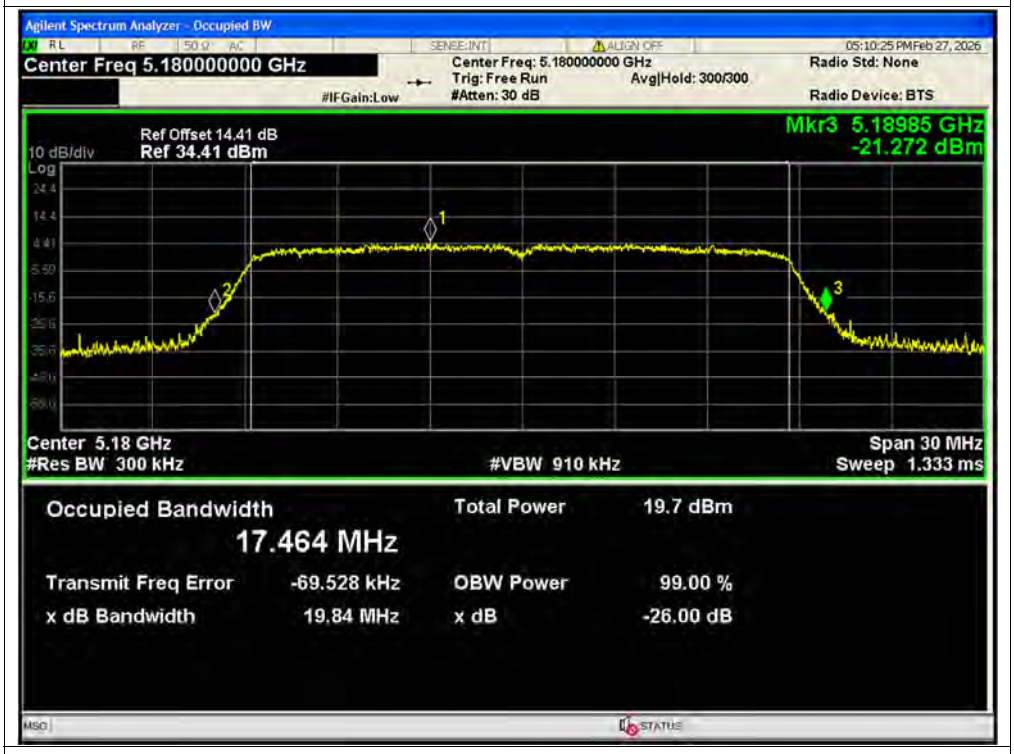
-26dB Bandwidth NVNT a 5240MHz Ant2 SISO

-26dB Bandwidth NVNT n20 5180MHz Ant1 SISO



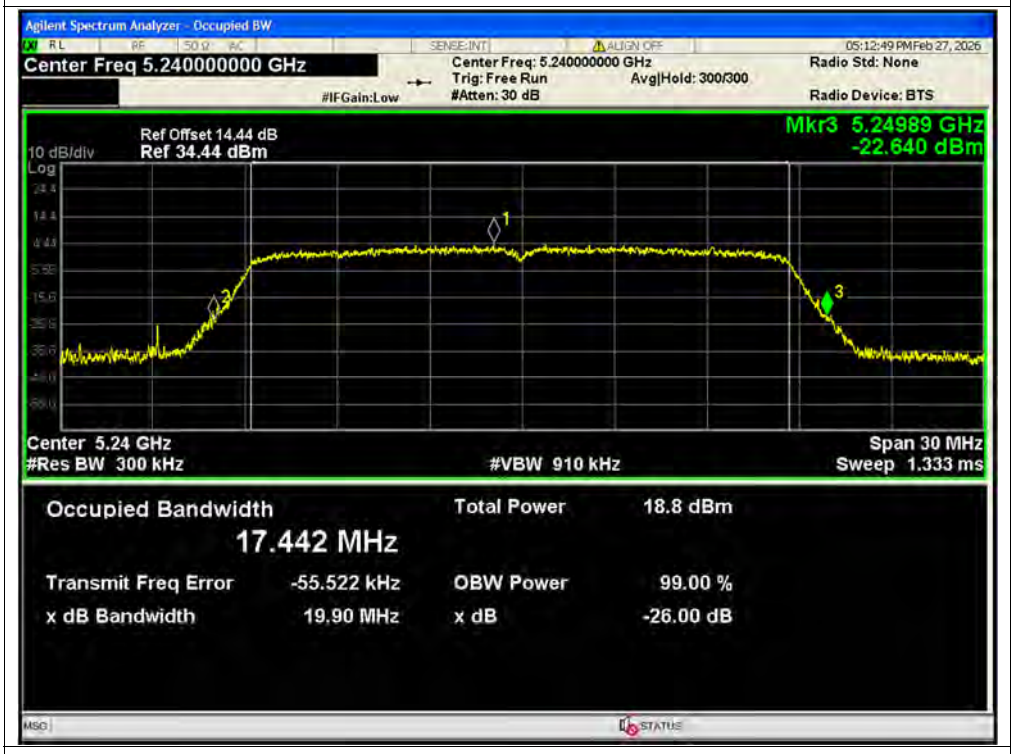
-26dB Bandwidth NVNT n20 5220MHz Ant1 SISO

-26dB Bandwidth NVNT n20 5240MHz Ant1 SISO



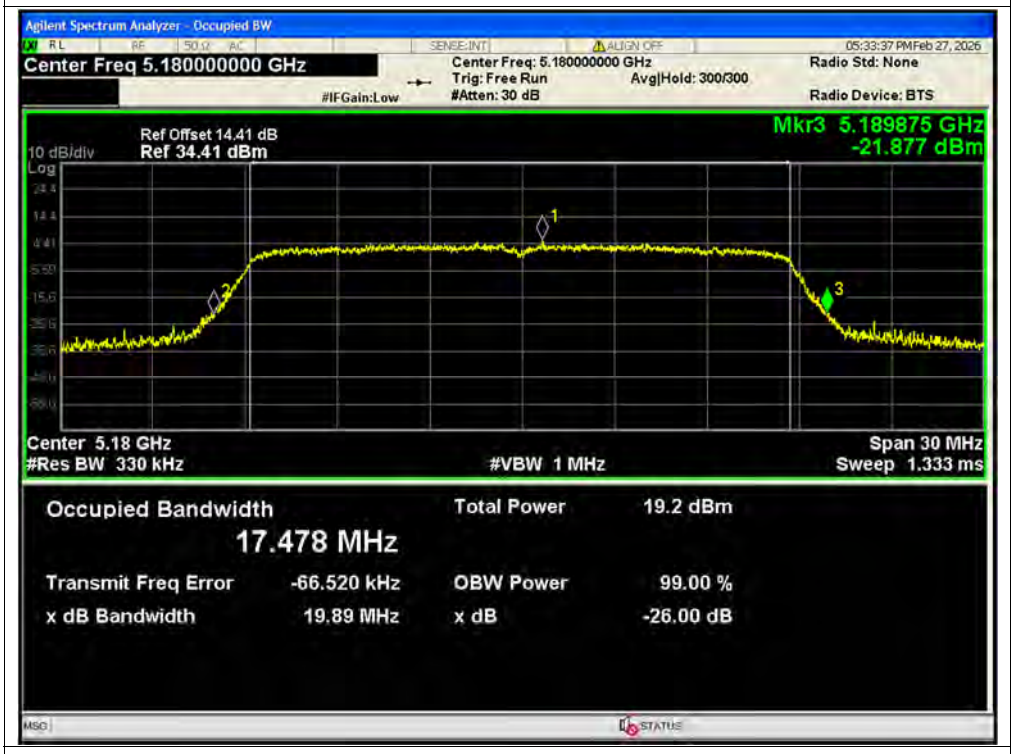
-26dB Bandwidth NVNT n20 5180MHz Ant2 SISO

-26dB Bandwidth NVNT n20 5220MHz Ant2 SISO



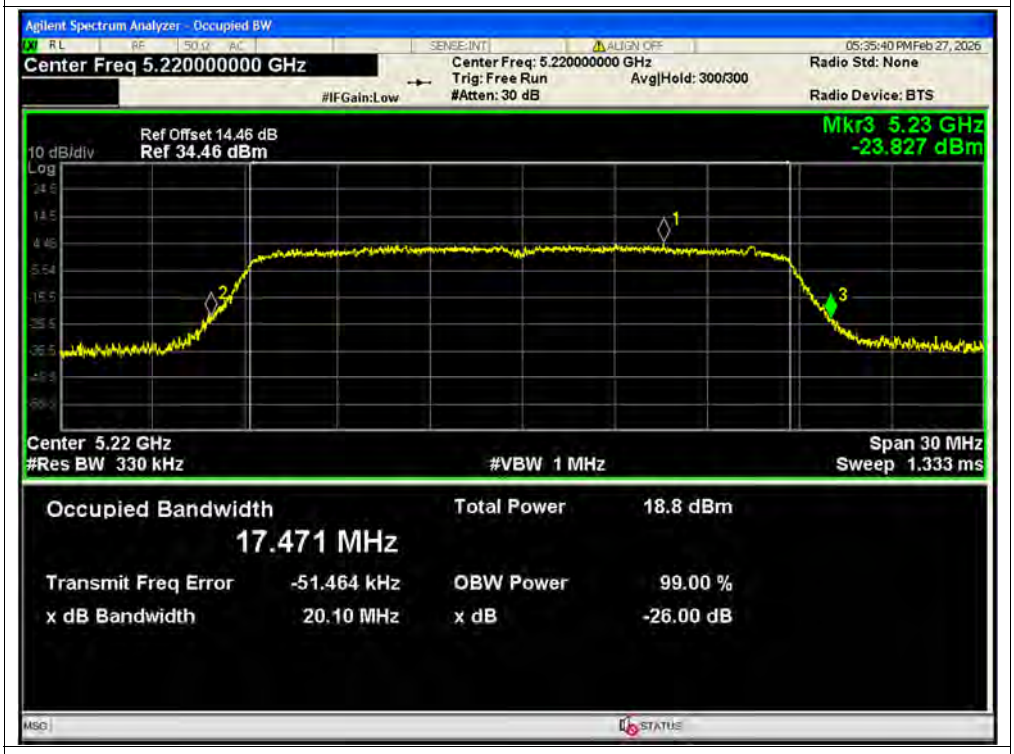
-26dB Bandwidth NVNT n20 5240MHz Ant2 SISO

-26dB Bandwidth NVNT n20 5180MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5180MHz Ant2 MIMO

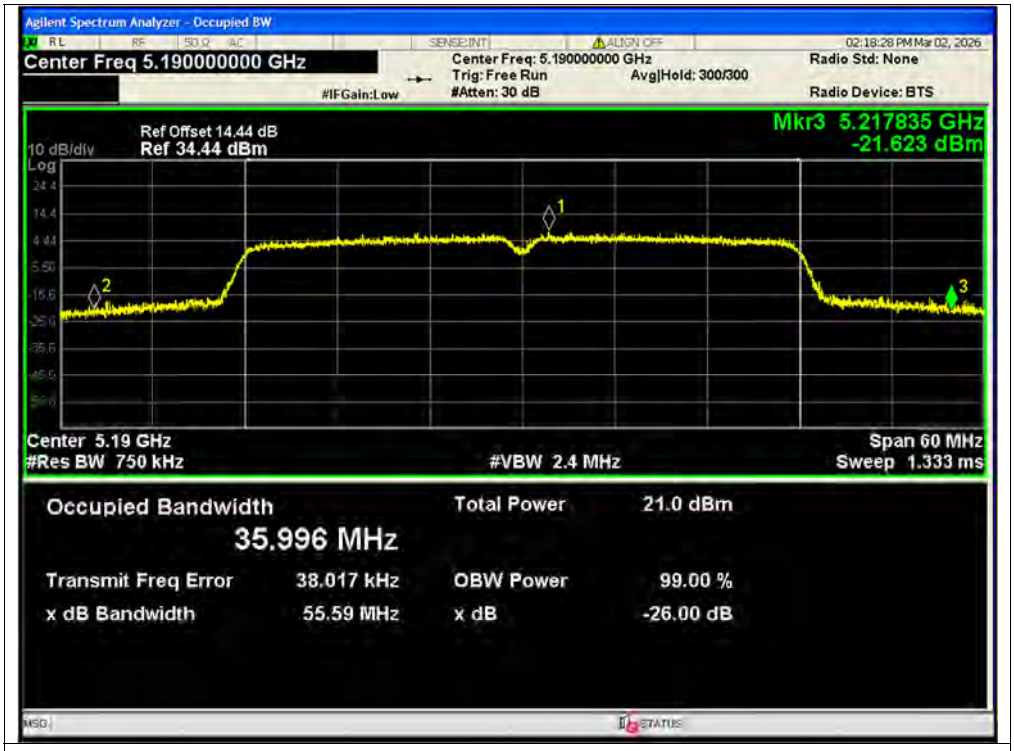
-26dB Bandwidth NVNT n20 5220MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5220MHz Ant2 MIMO

-26dB Bandwidth NVNT n20 5240MHz Ant1 MIMO

-26dB Bandwidth NVNT n20 5240MHz Ant2 MIMO

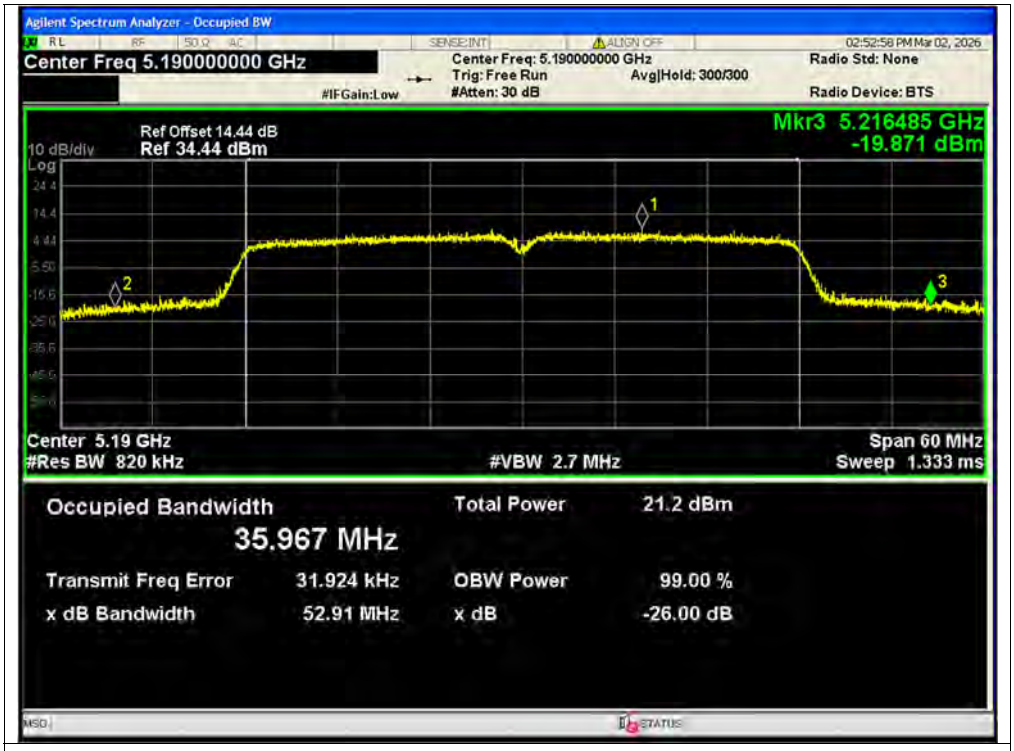


-26dB Bandwidth NVNT n40 5190MHz Ant1 SISO

-26dB Bandwidth NVNT n40 5230MHz Ant1 SISO

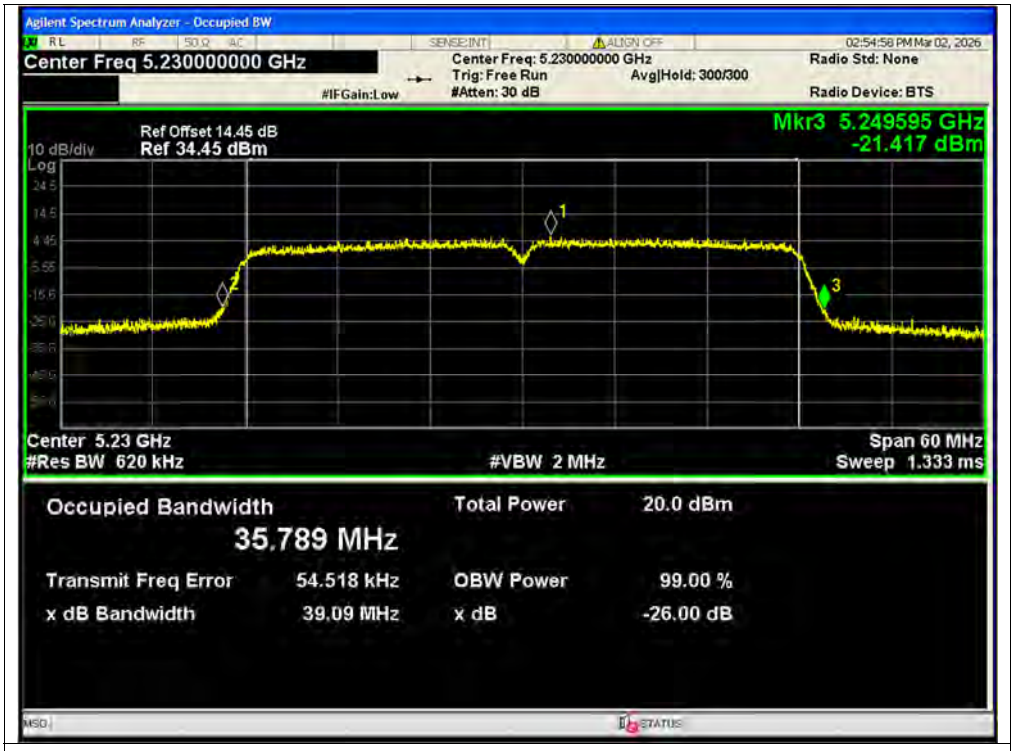
-26dB Bandwidth NVNT n40 5190MHz Ant2 SISO

-26dB Bandwidth NVNT n40 5230MHz Ant2 SISO

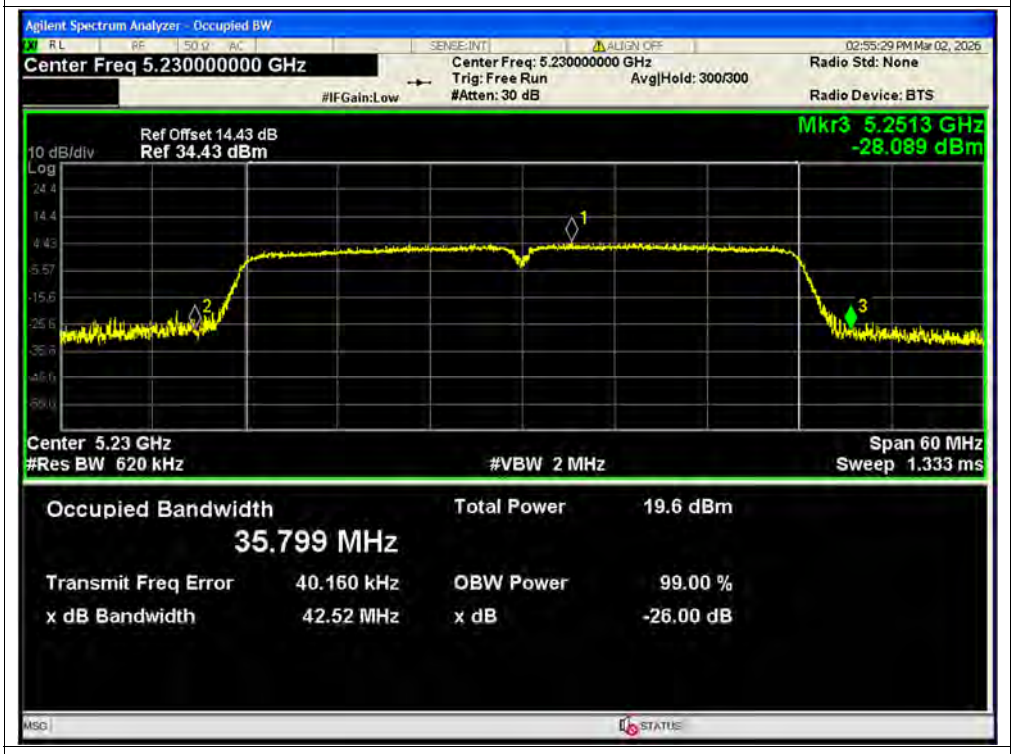


-26dB Bandwidth NVNT n40 5190MHz Ant1 MIMO

-26dB Bandwidth NVNT n40 5190MHz Ant2 MIMO

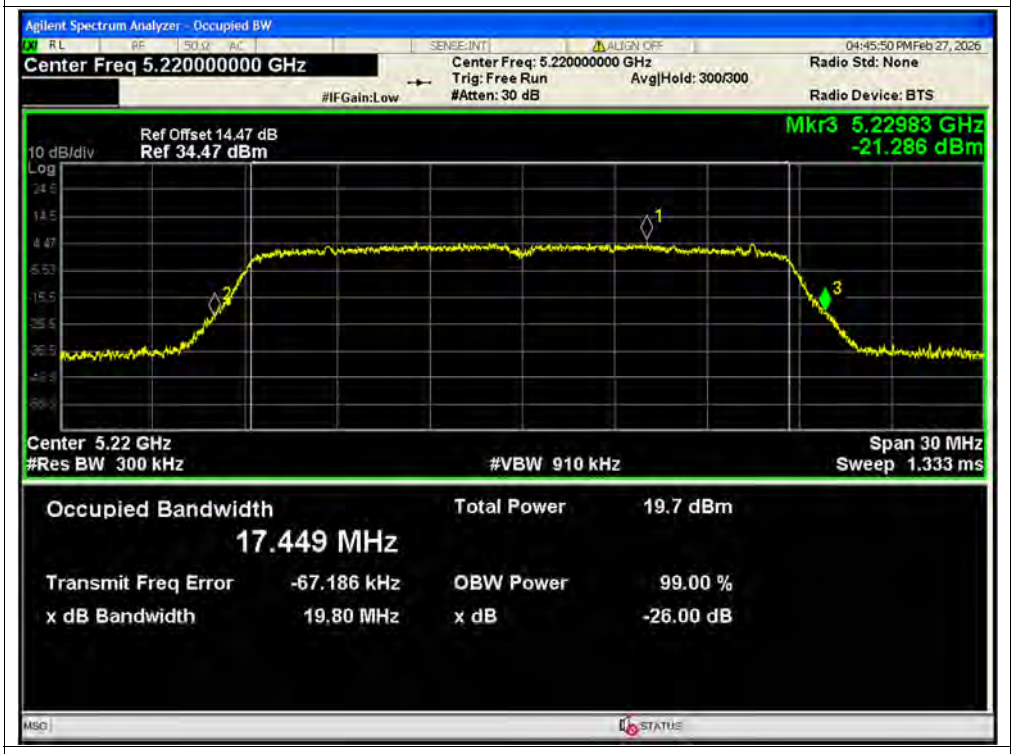


-26dB Bandwidth NVNT n40 5230MHz Ant1 MIMO



-26dB Bandwidth NVNT n40 5230MHz Ant2 MIMO

-26dB Bandwidth NVNT ac20 5180MHz Ant1 SISO

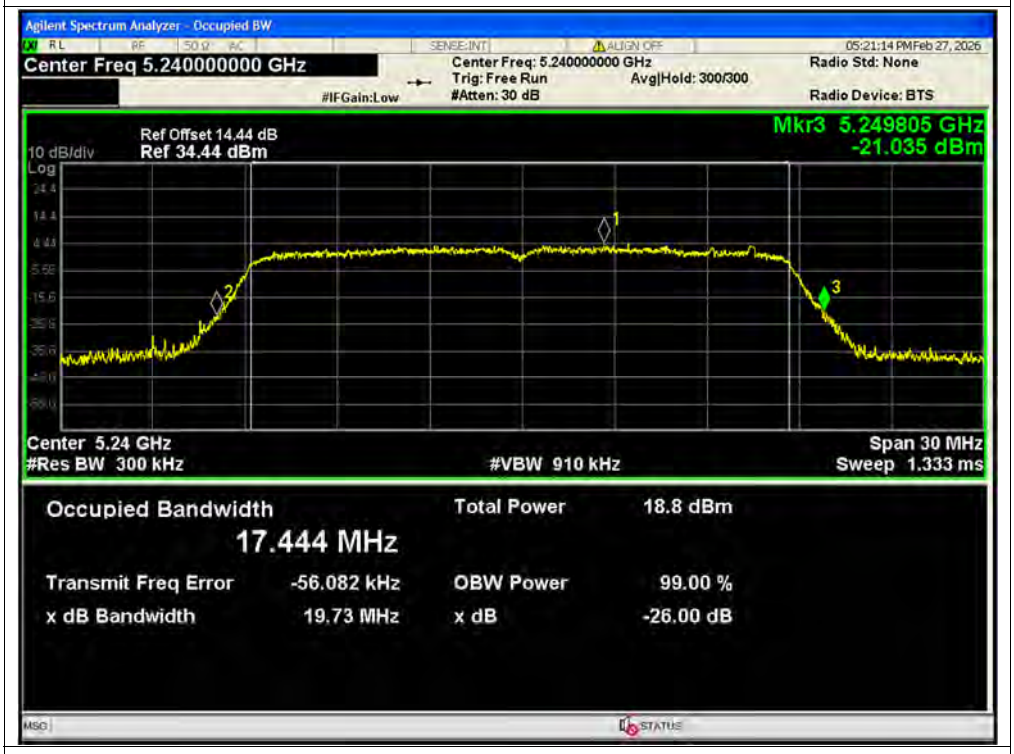


-26dB Bandwidth NVNT ac20 5220MHz Ant1 SISO

-26dB Bandwidth NVNT ac20 5240MHz Ant1 SISO

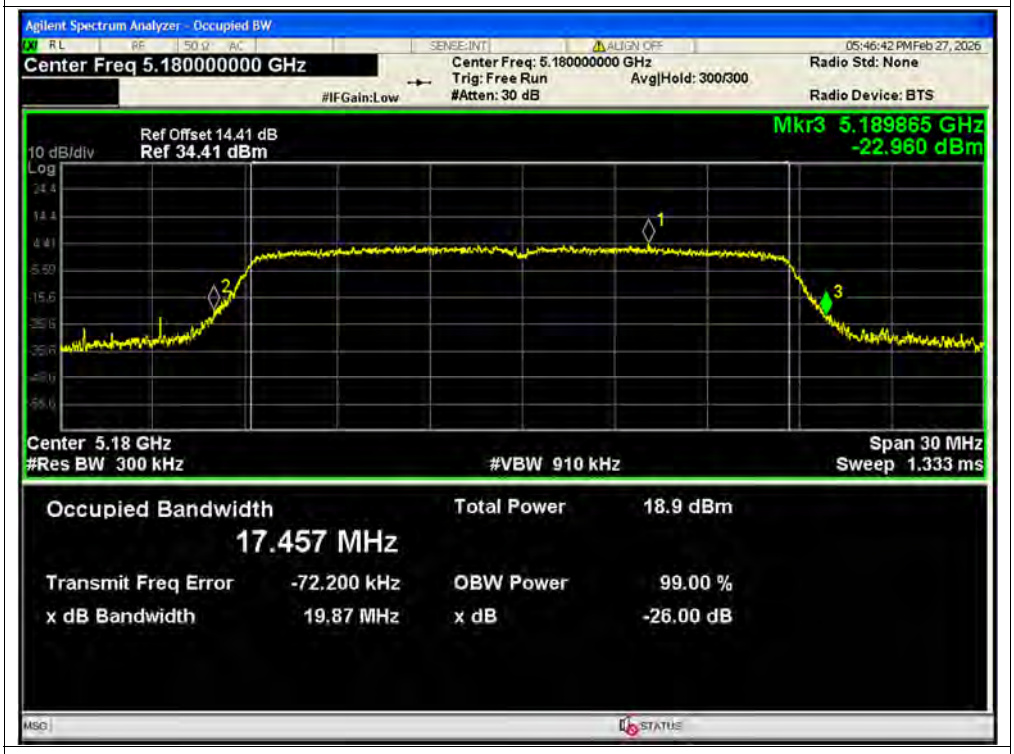
-26dB Bandwidth NVNT ac20 5180MHz Ant2 SISO

-26dB Bandwidth NVNT ac20 5220MHz Ant2 SISO



-26dB Bandwidth NVNT ac20 5240MHz Ant2 SISO

-26dB Bandwidth NVNT ac20 5180MHz Ant1 MIMO



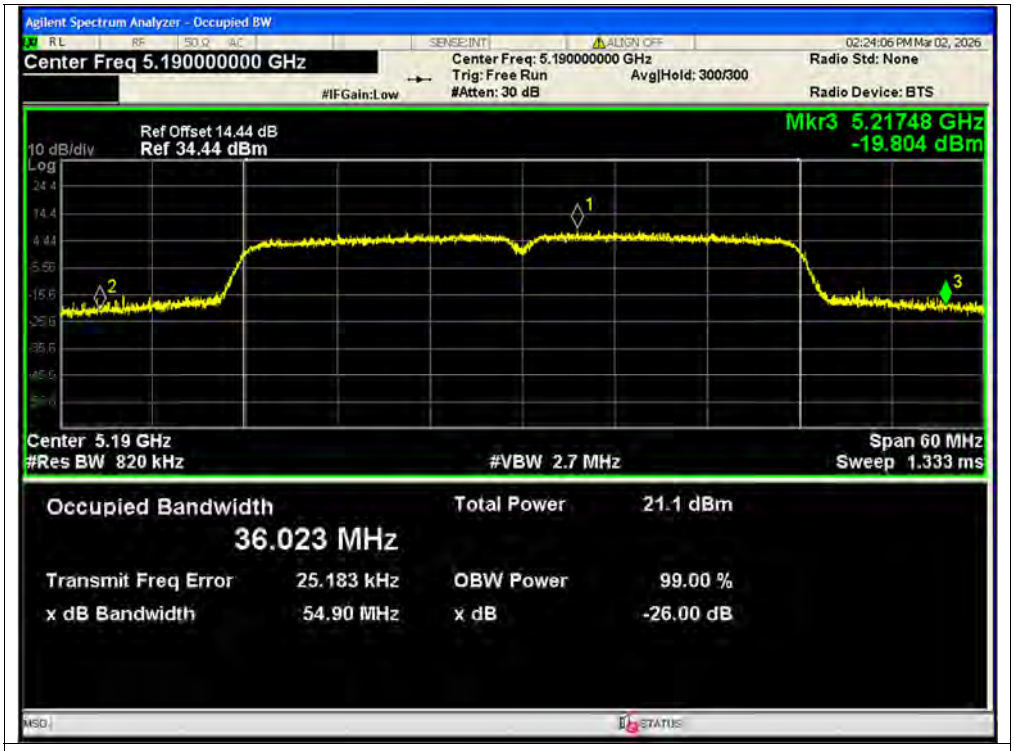
-26dB Bandwidth NVNT ac20 5180MHz Ant2 MIMO

-26dB Bandwidth NVNT ac20 5220MHz Ant1 MIMO

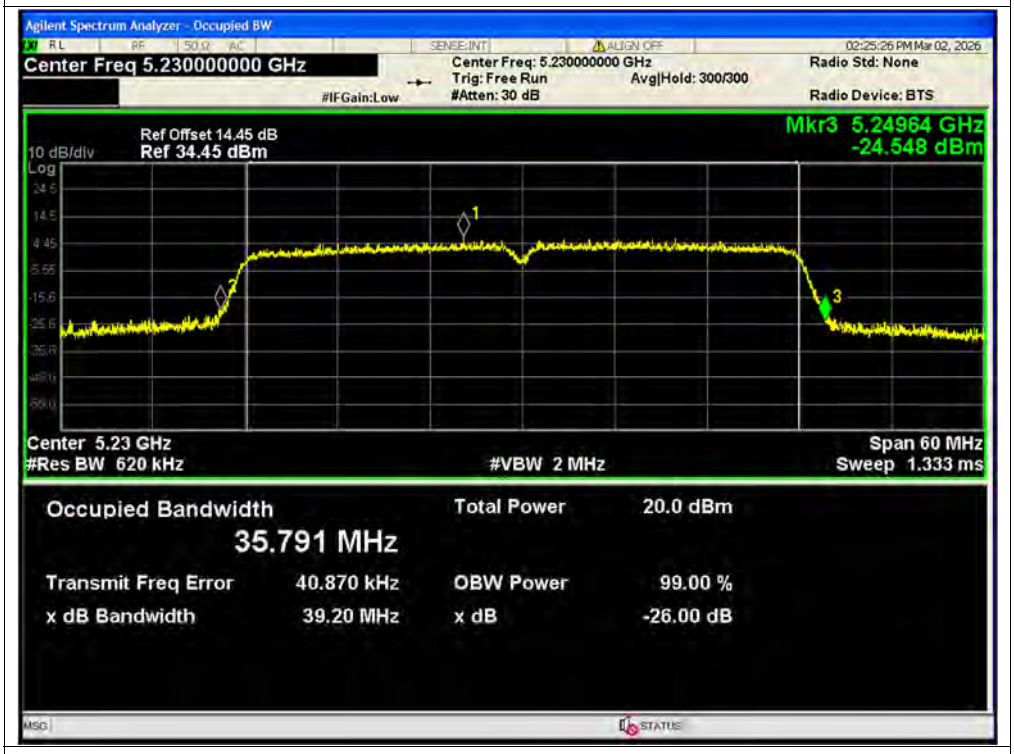
-26dB Bandwidth NVNT ac20 5220MHz Ant2 MIMO

-26dB Bandwidth NVNT ac20 5240MHz Ant1 MIMO

-26dB Bandwidth NVNT ac20 5240MHz Ant2 MIMO



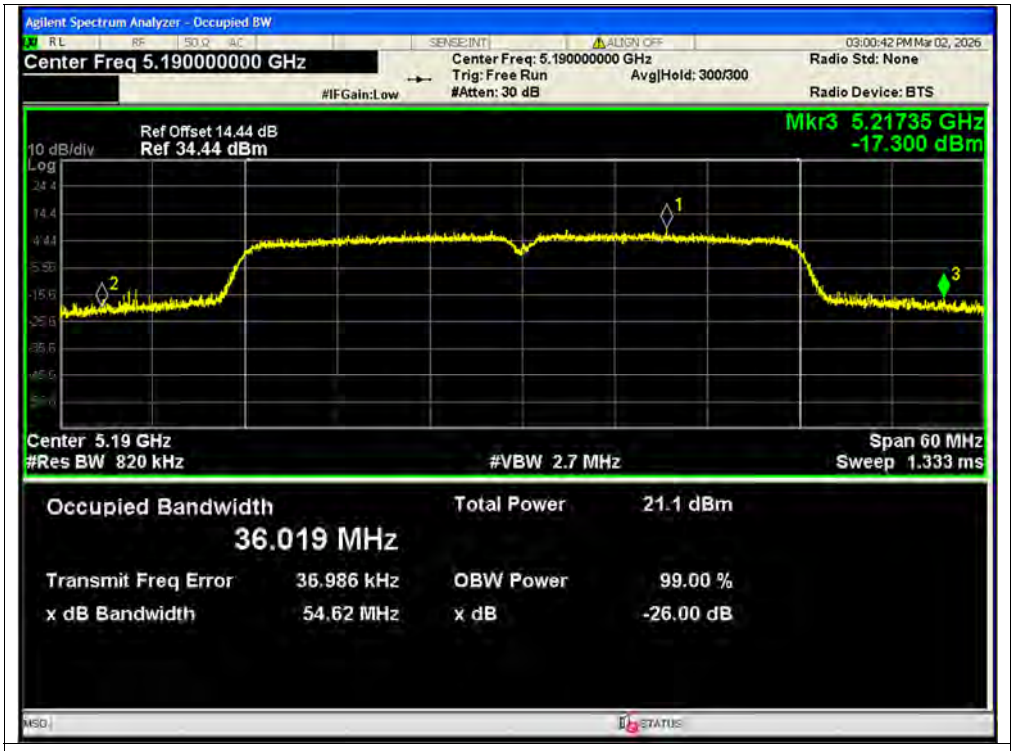
-26dB Bandwidth NVNT ac40 5190MHz Ant1 SISO



-26dB Bandwidth NVNT ac40 5230MHz Ant1 SISO

-26dB Bandwidth NVNT ac40 5190MHz Ant2 SISO

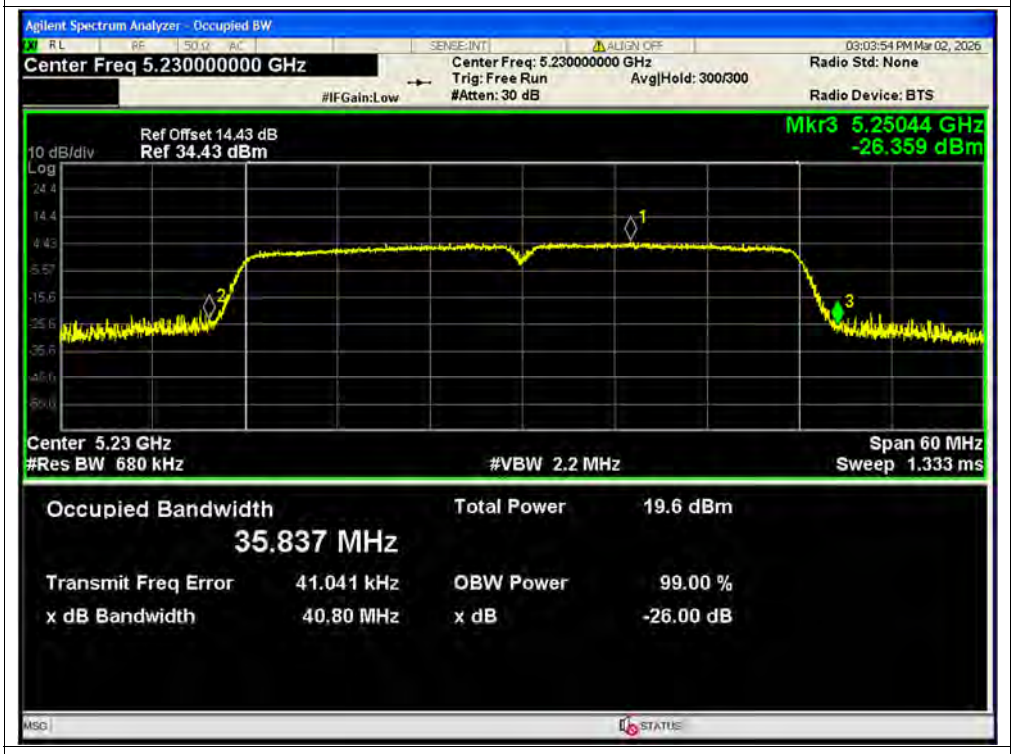
-26dB Bandwidth NVNT ac40 5230MHz Ant2 SISO



-26dB Bandwidth NVNT ac40 5190MHz Ant1 MIMO

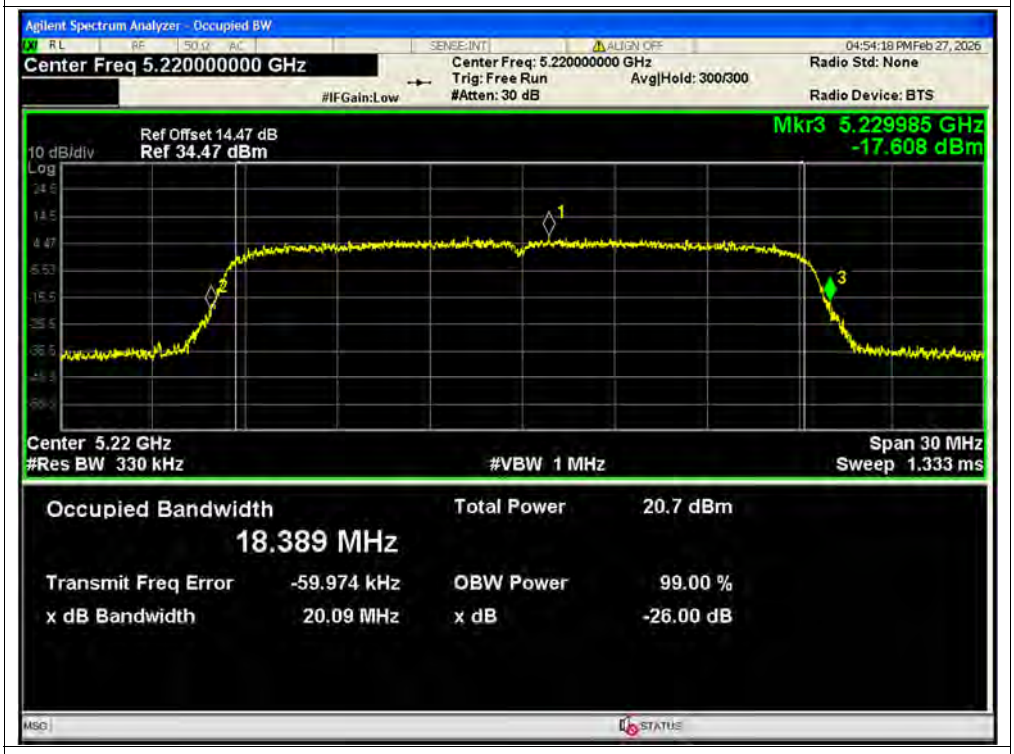
-26dB Bandwidth NVNT ac40 5190MHz Ant2 MIMO

-26dB Bandwidth NVNT ac40 5230MHz Ant1 MIMO

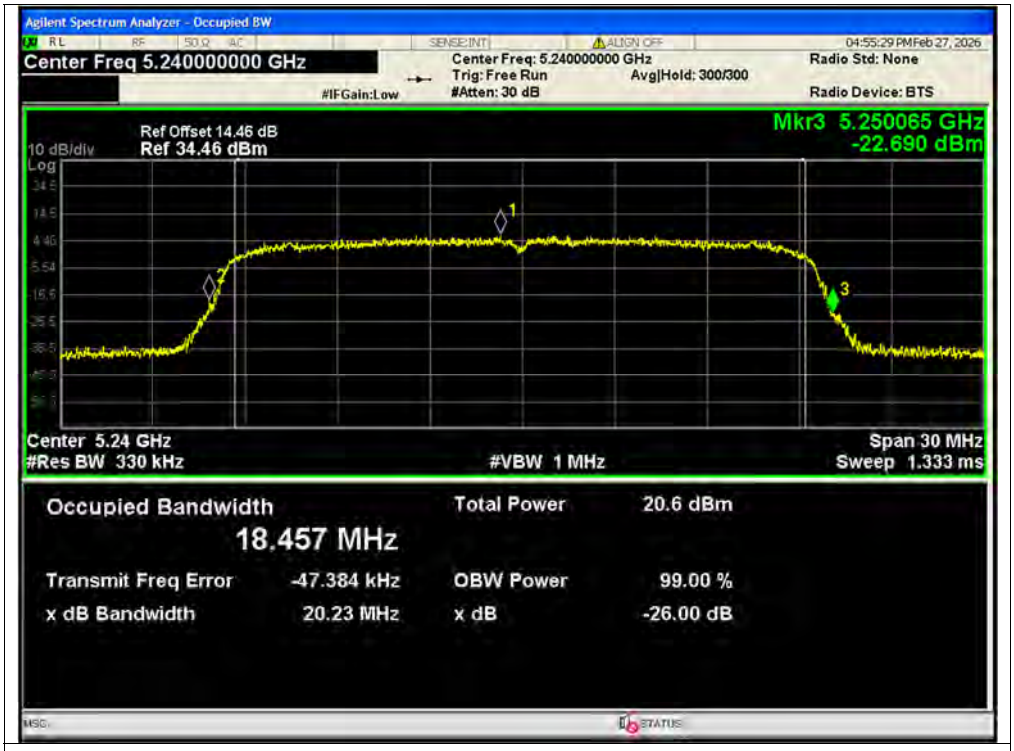


-26dB Bandwidth NVNT ac40 5230MHz Ant2 MIMO

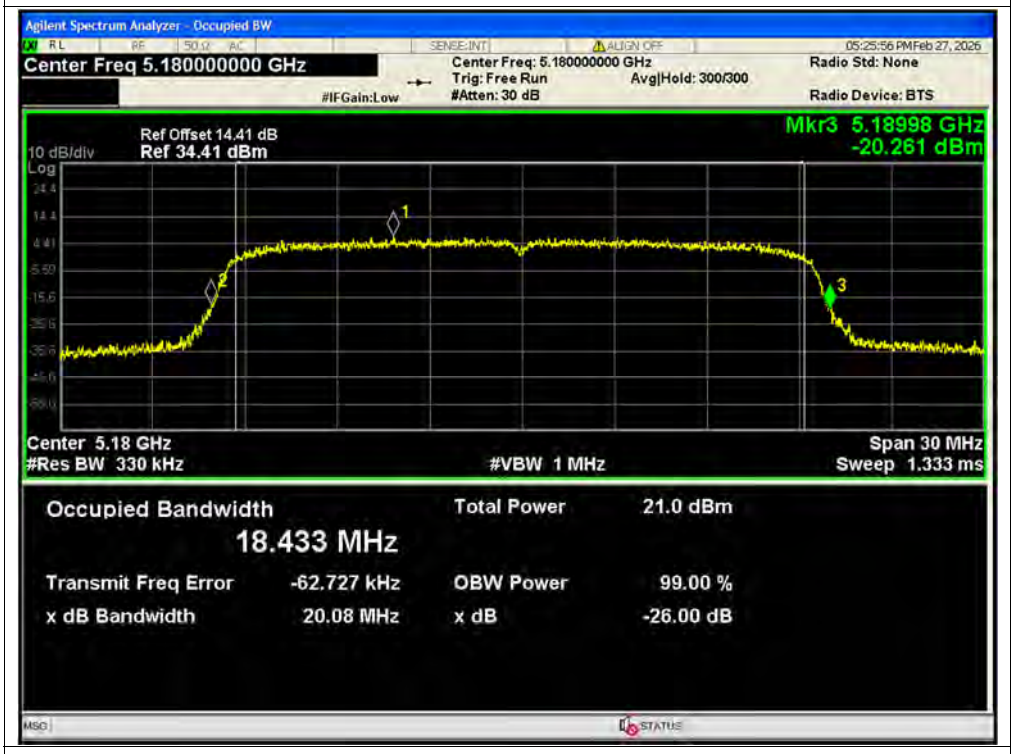
-26dB Bandwidth NVNT ax20 5180MHz Ant1 SISO



-26dB Bandwidth NVNT ax20 5220MHz Ant1 SISO



-26dB Bandwidth NVNT ax20 5240MHz Ant1 SISO

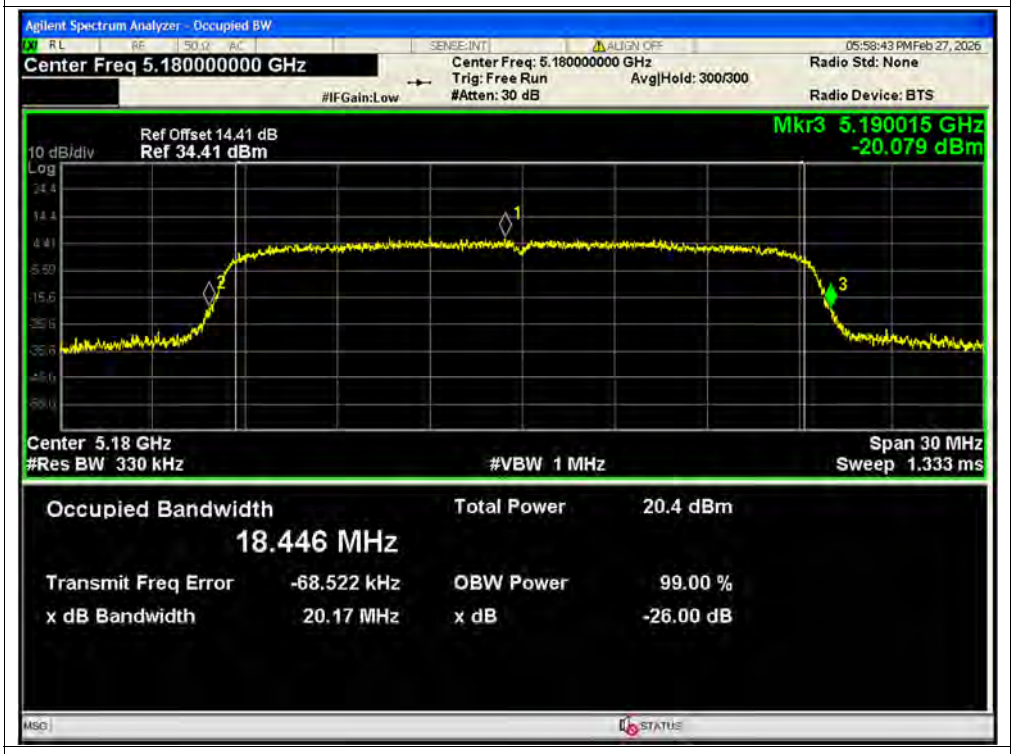


-26dB Bandwidth NVNT ax20 5180MHz Ant2 SISO

-26dB Bandwidth NVNT ax20 5220MHz Ant2 SISO

-26dB Bandwidth NVNT ax20 5240MHz Ant2 SISO

-26dB Bandwidth NVNT ax20 5180MHz Ant1 MIMO

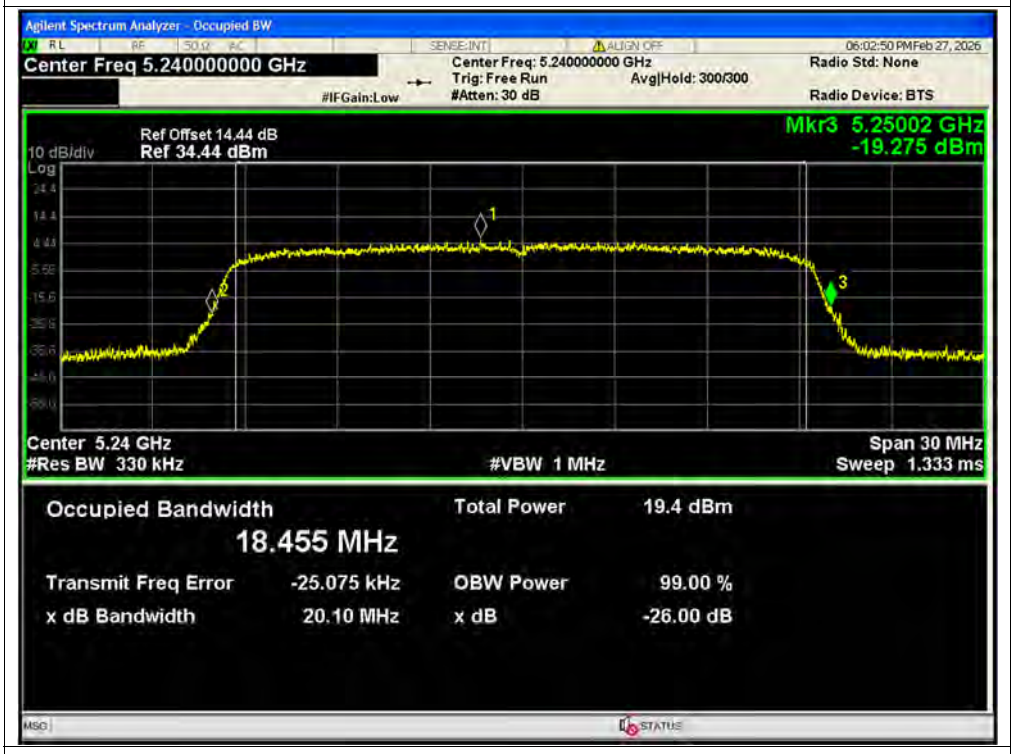


-26dB Bandwidth NVNT ax20 5180MHz Ant2 MIMO

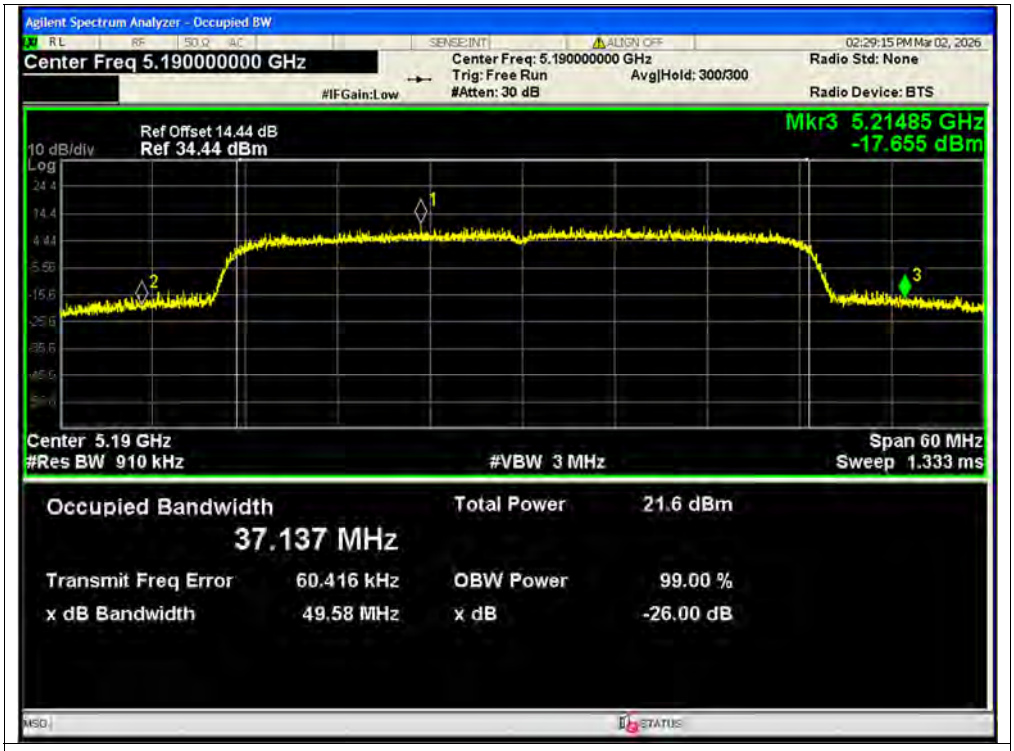
-26dB Bandwidth NVNT ax20 5220MHz Ant1 MIMO

-26dB Bandwidth NVNT ax20 5220MHz Ant2 MIMO

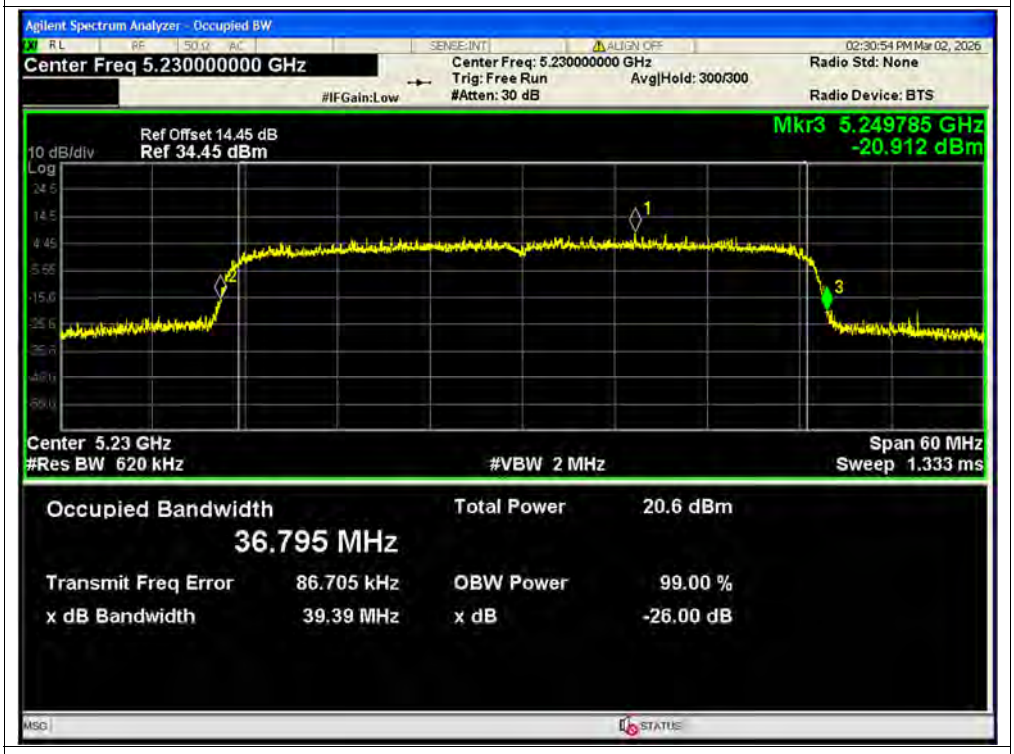
-26dB Bandwidth NVNT ax20 5240MHz Ant1 MIMO



-26dB Bandwidth NVNT ax20 5240MHz Ant2 MIMO

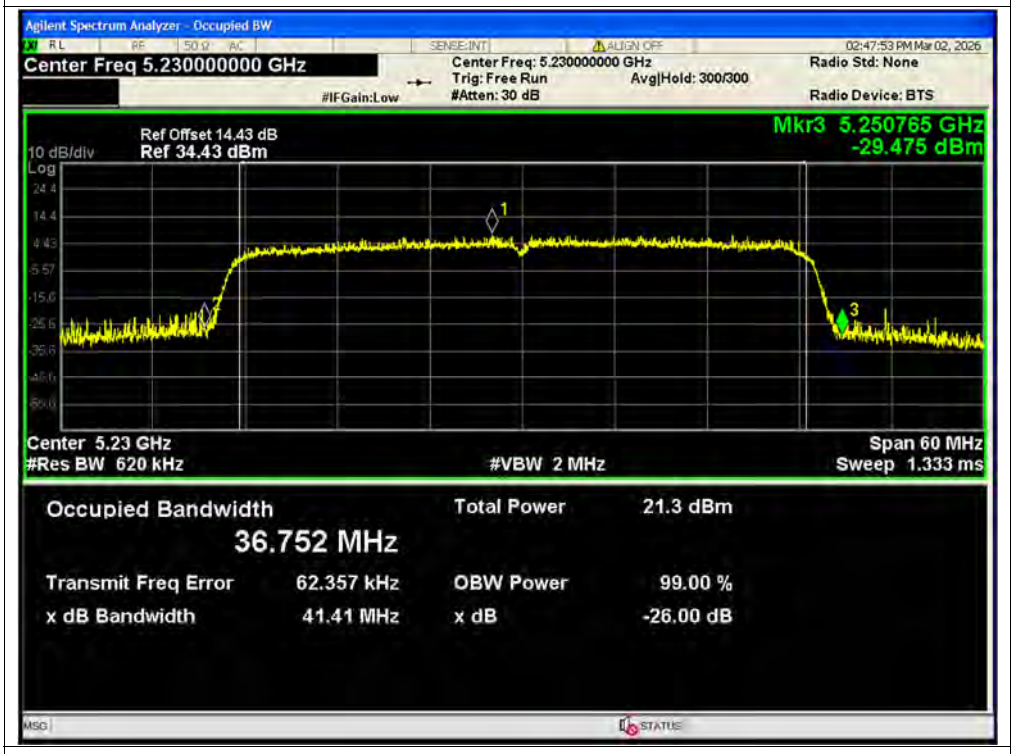


-26dB Bandwidth NVNT ax40 5190MHz Ant1 SISO



-26dB Bandwidth NVNT ax40 5230MHz Ant1 SISO

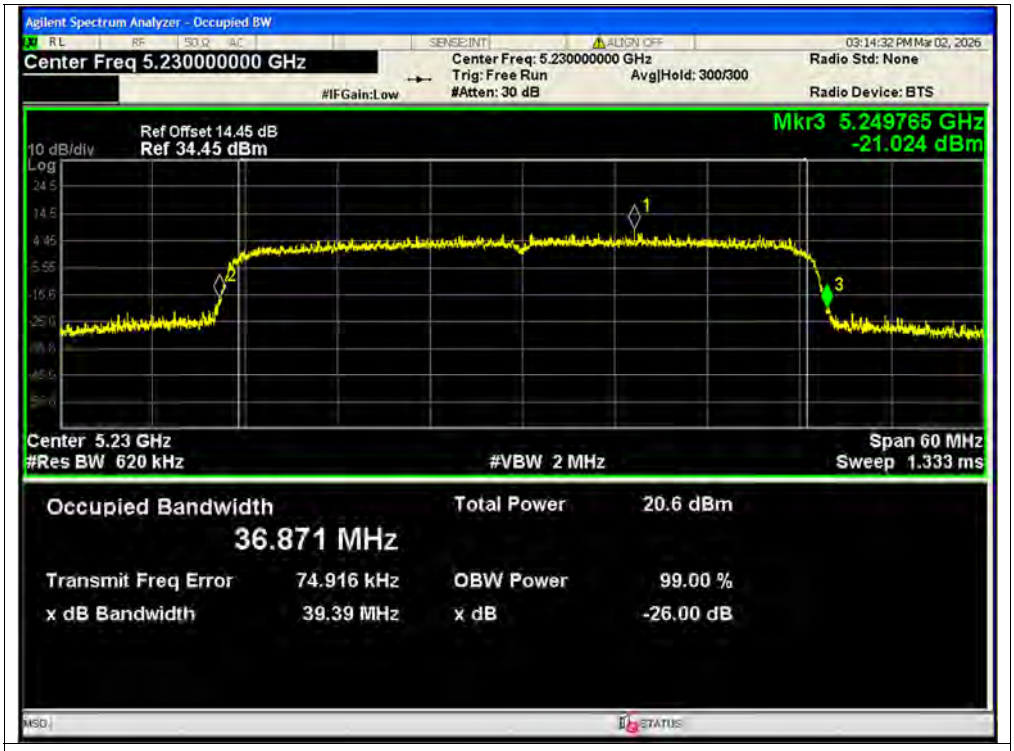
-26dB Bandwidth NVNT ax40 5190MHz Ant2 SISO



-26dB Bandwidth NVNT ax40 5230MHz Ant2 SISO

-26dB Bandwidth NVNT ax40 5190MHz Ant1 MIMO

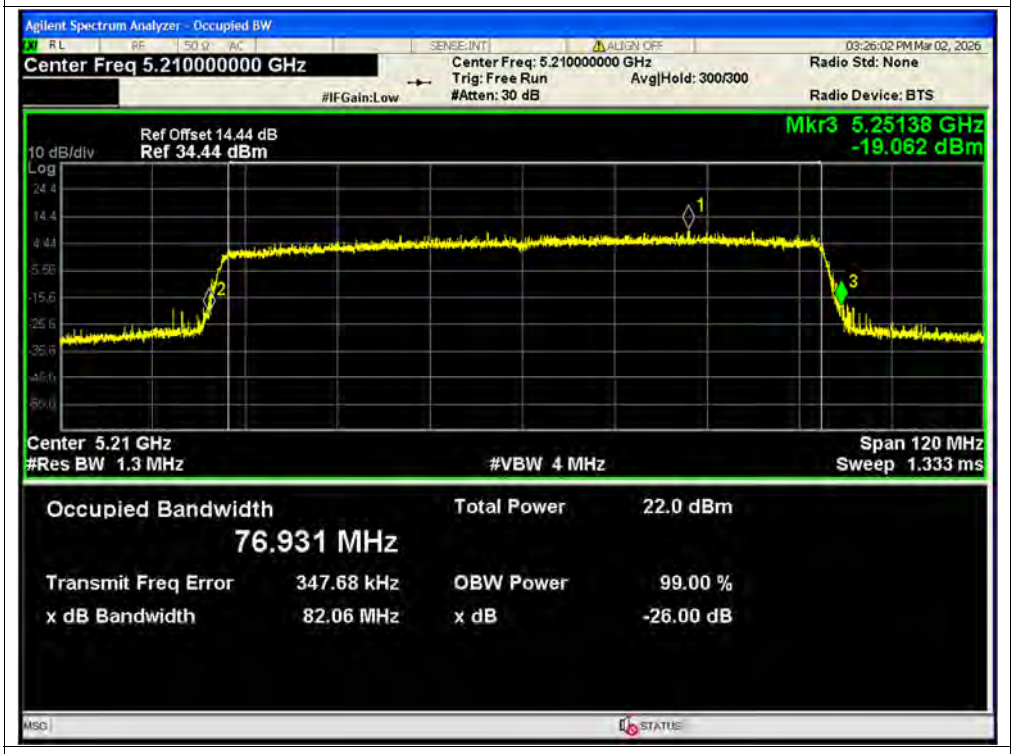
-26dB Bandwidth NVNT ax40 5190MHz Ant2 MIMO



-26dB Bandwidth NVNT ax40 5230MHz Ant1 MIMO

-26dB Bandwidth NVNT ax40 5230MHz Ant2 MIMO

-26dB Bandwidth NVNT ax80 5210MHz Ant1 SISO



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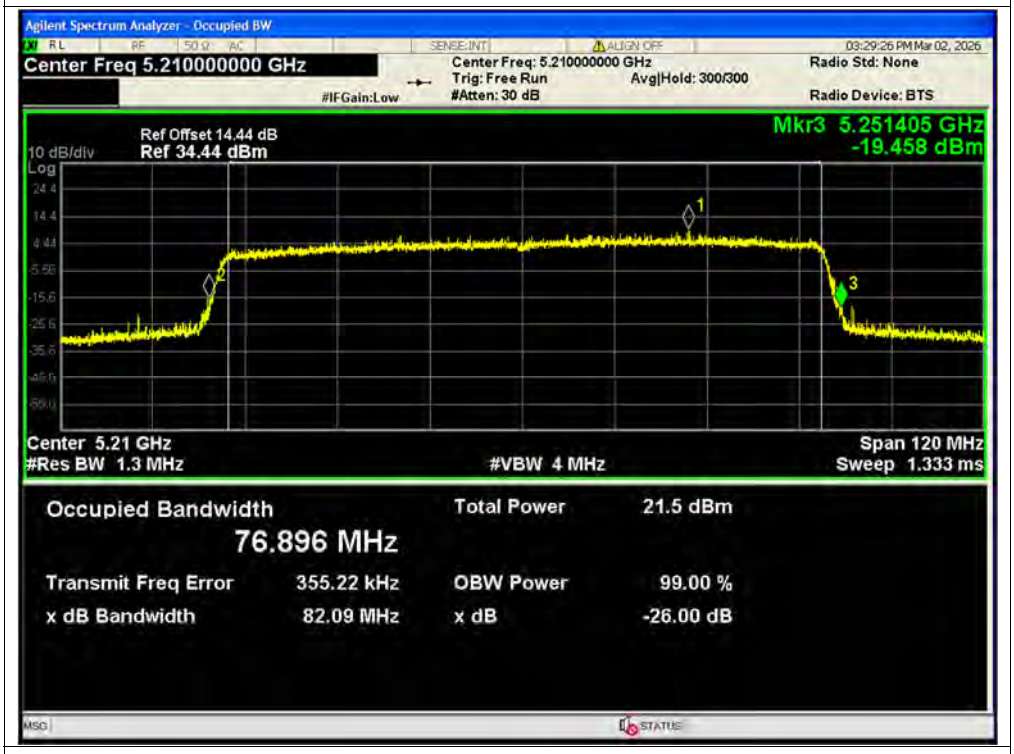
-26dB Bandwidth NVNT ax80 5210MHz Ant1 MIMO



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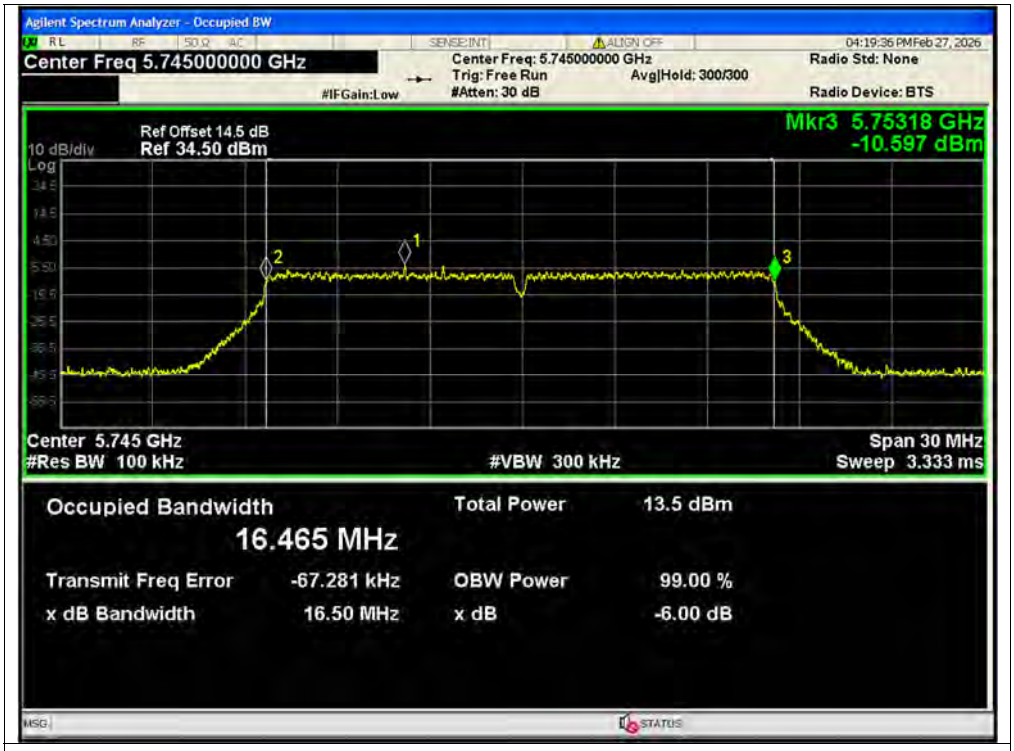
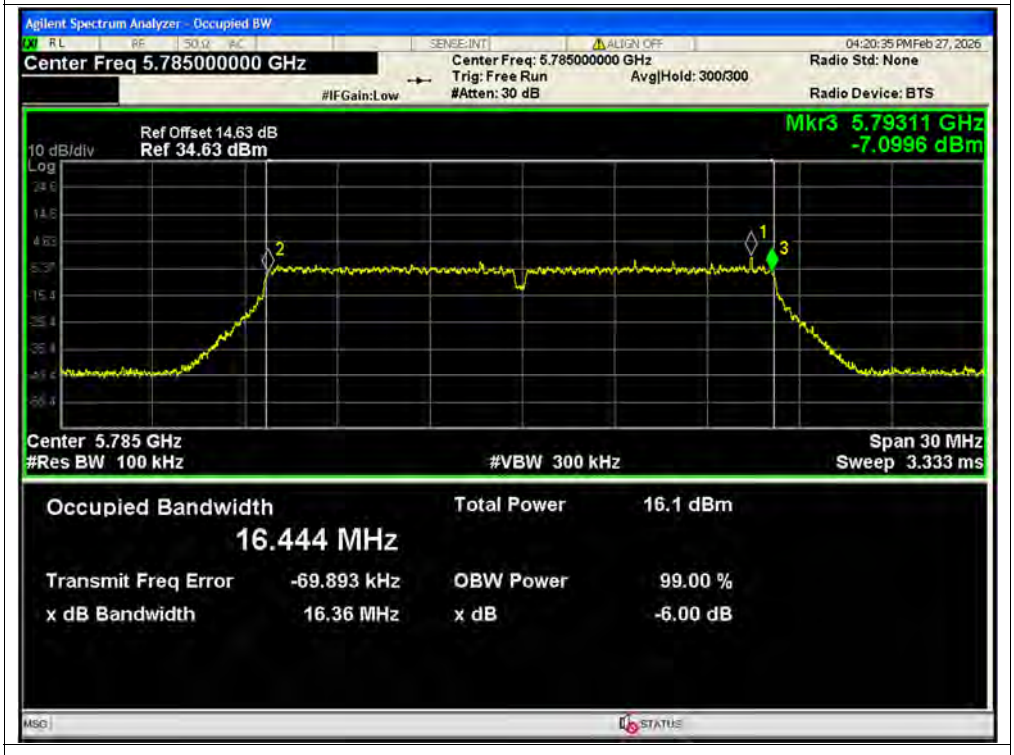
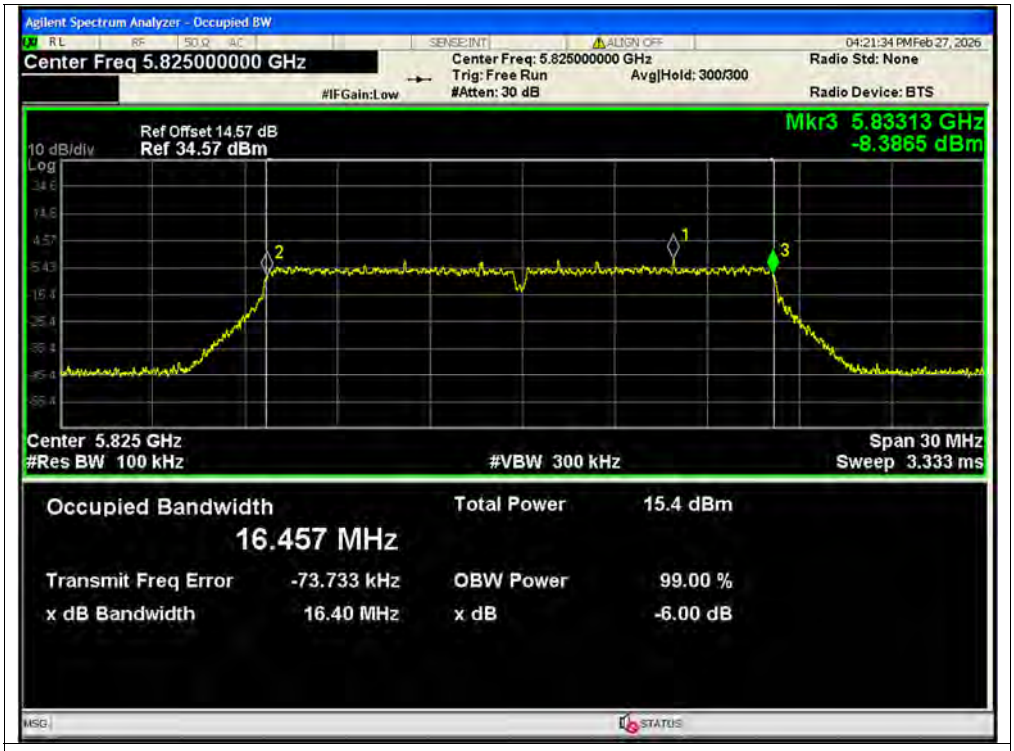


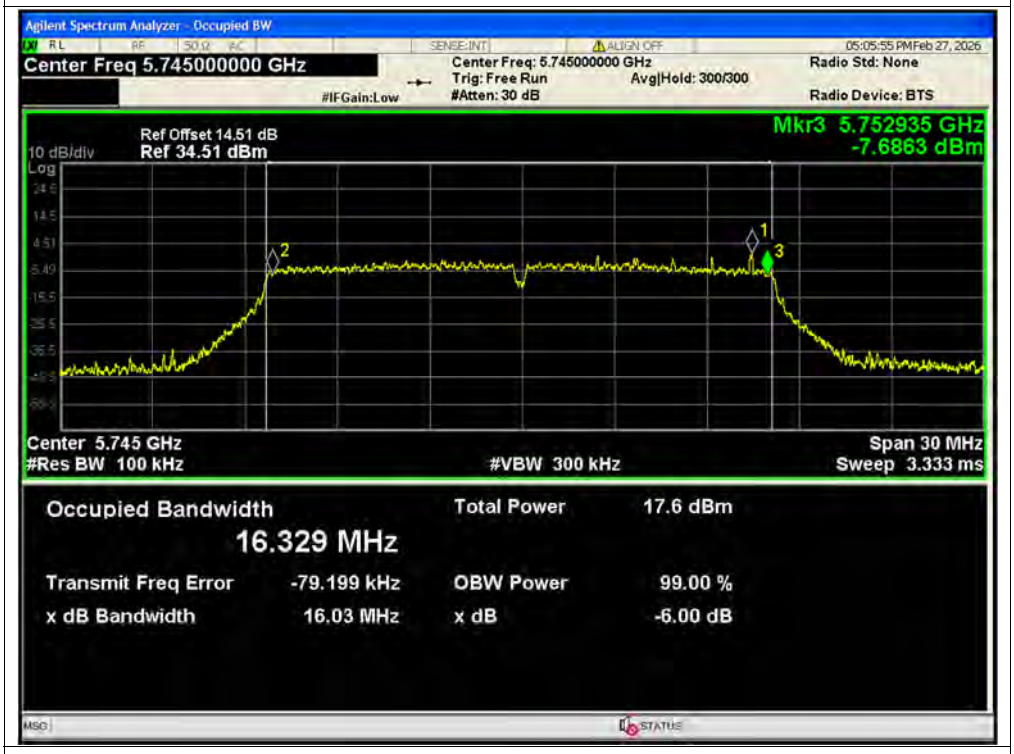
-6dB Bandwidth NVNT a 5745MHz Ant1 SISO



-6dB Bandwidth NVNT a 5785MHz Ant1 SISO

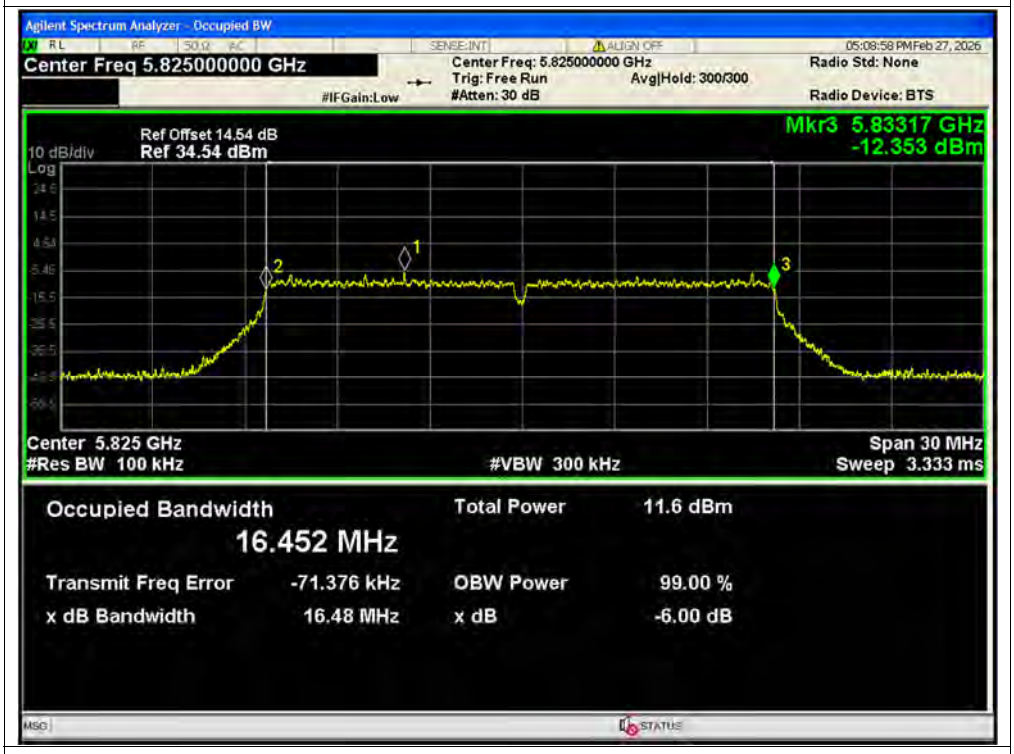


-6dB Bandwidth NVNT a 5825MHz Ant1 SISO

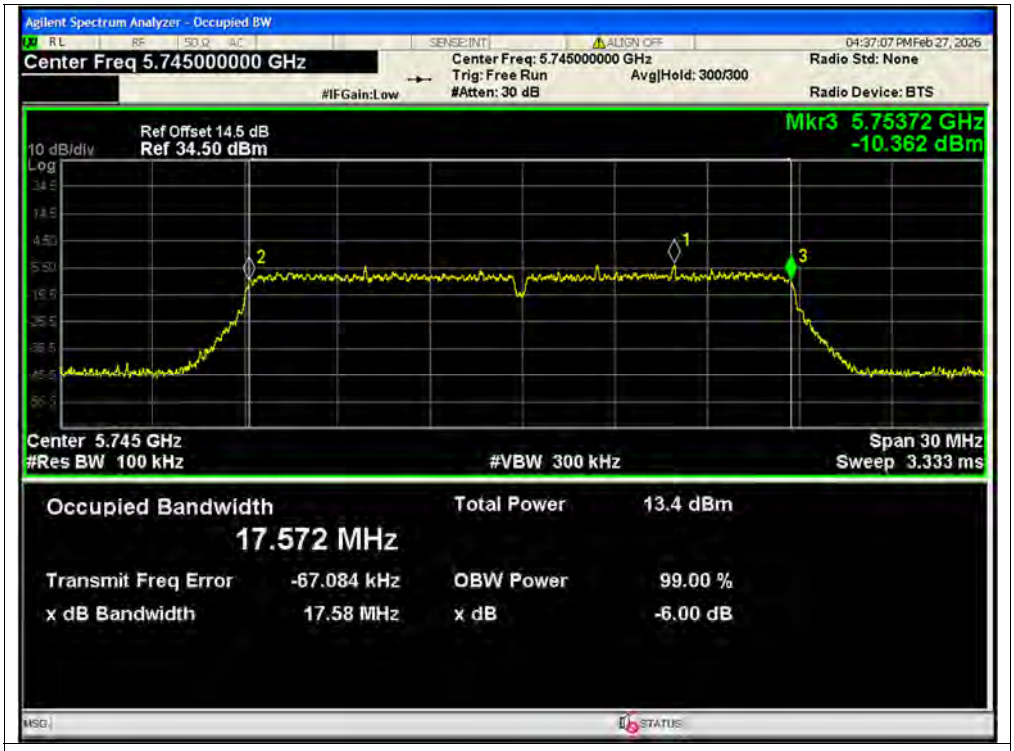


-6dB Bandwidth NVNT a 5745MHz Ant2 SISO

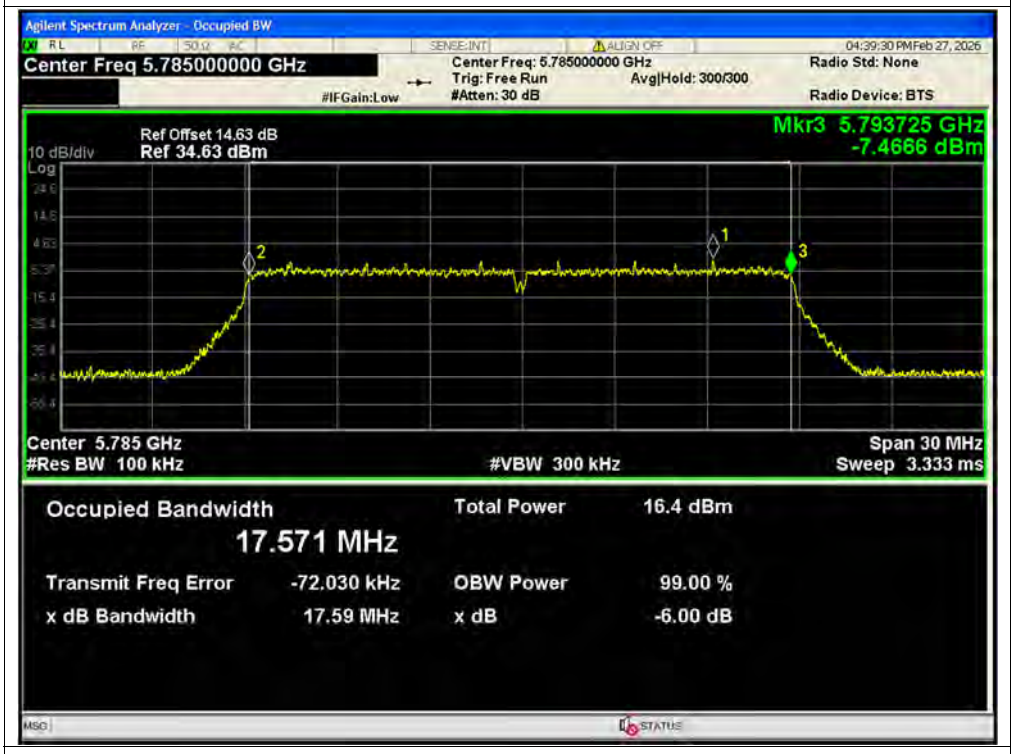
-6dB Bandwidth NVNT a 5785MHz Ant2 SISO



-6dB Bandwidth NVNT a 5825MHz Ant2 SISO



-6dB Bandwidth NVNT n20 5745MHz Ant1 SISO



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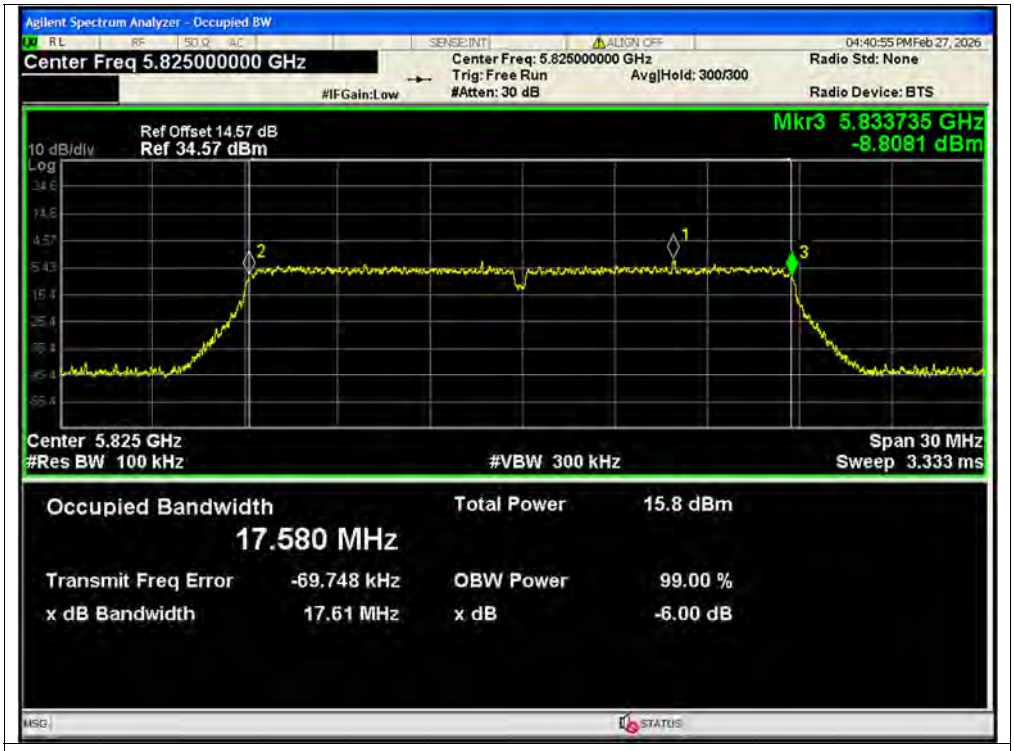

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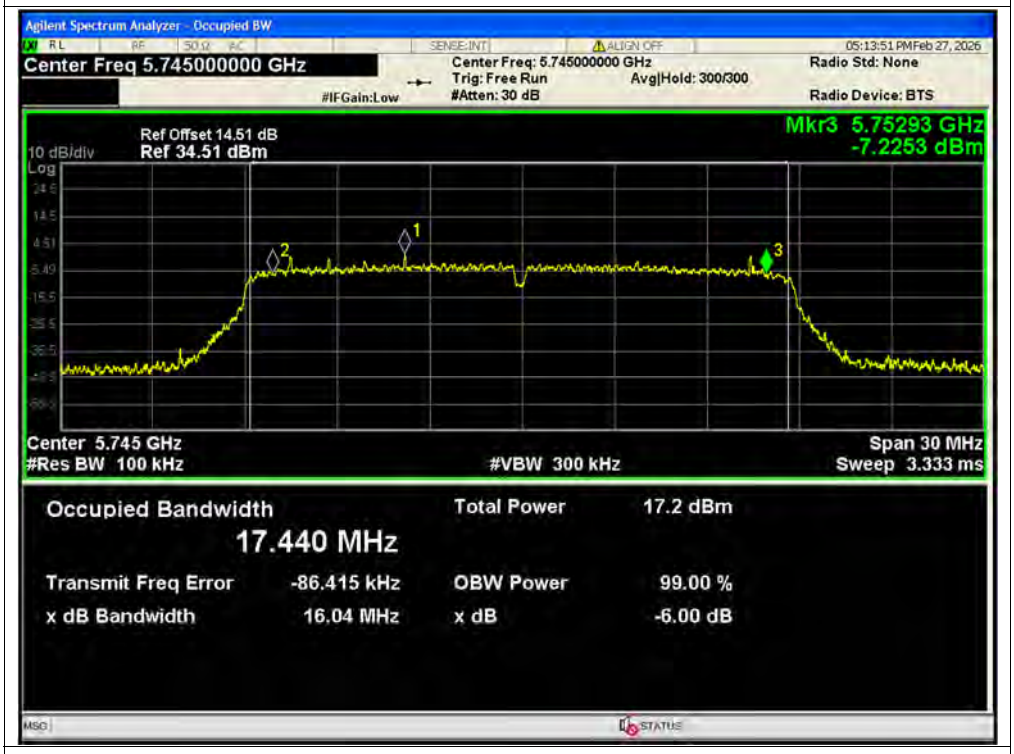
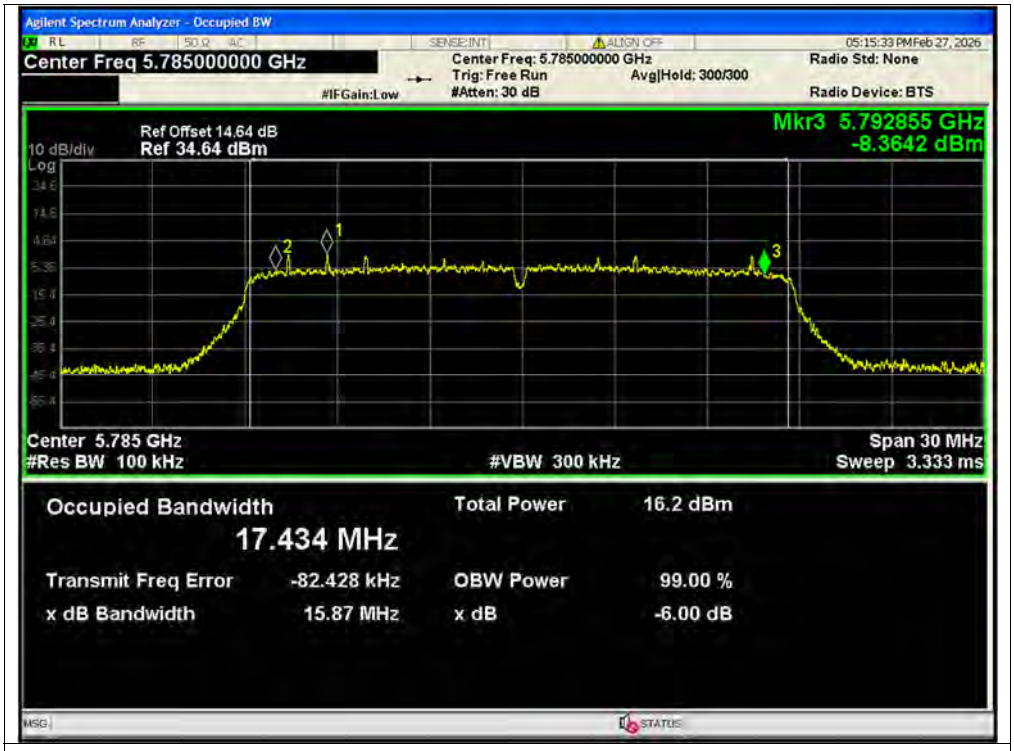
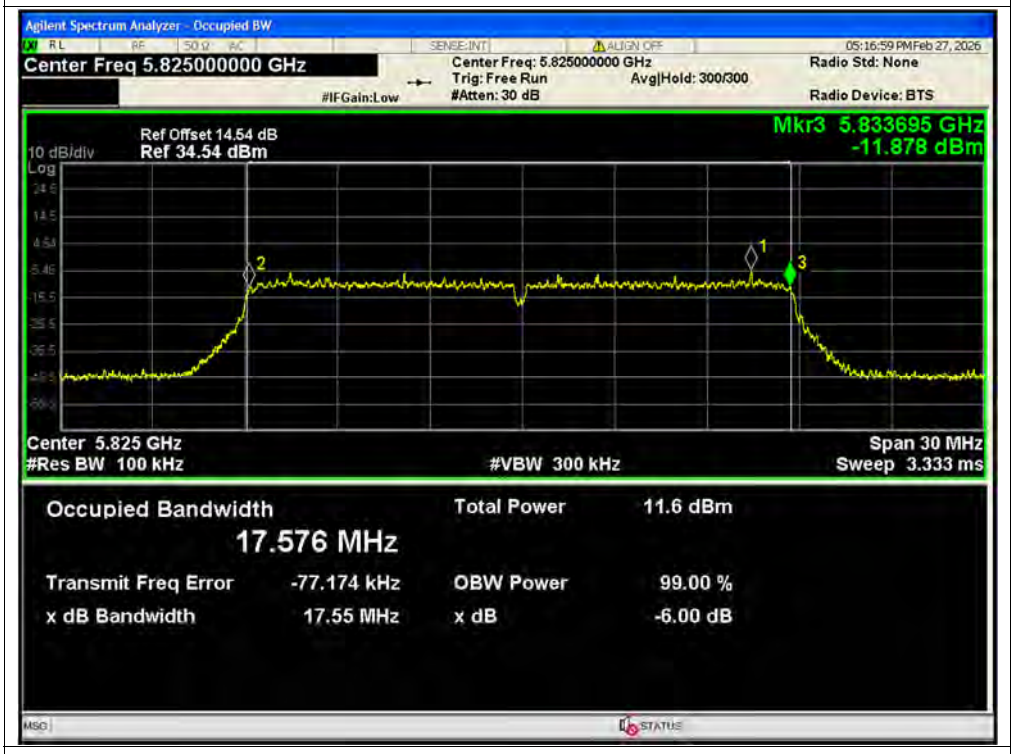


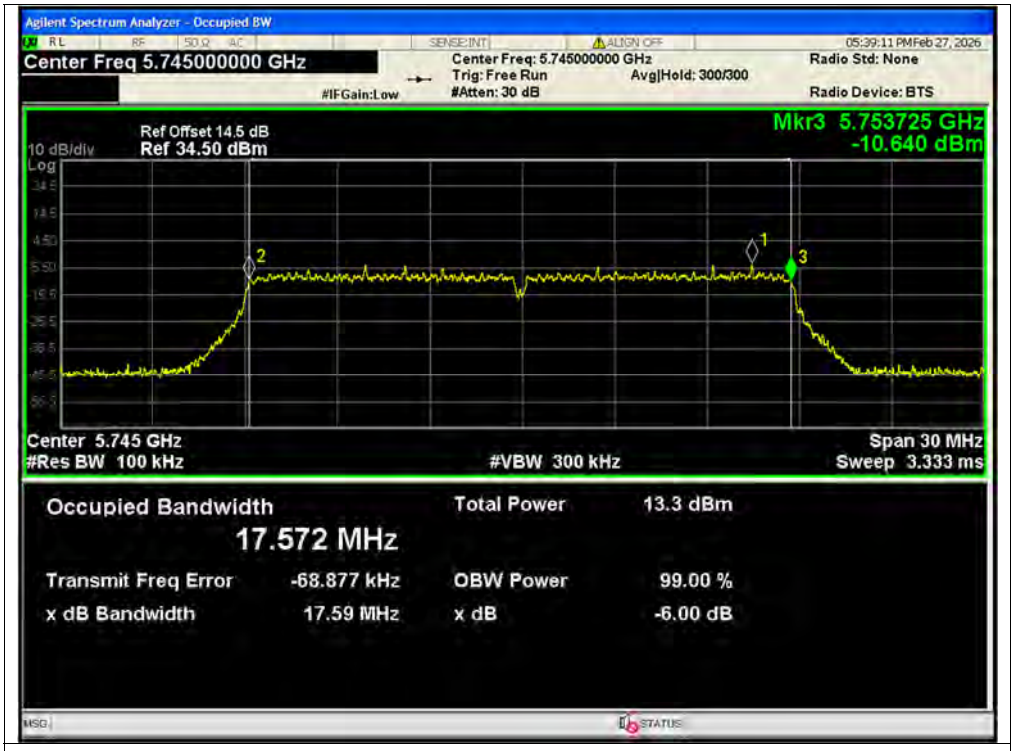
-6dB Bandwidth NVNT n20 5745MHz Ant2 SISO



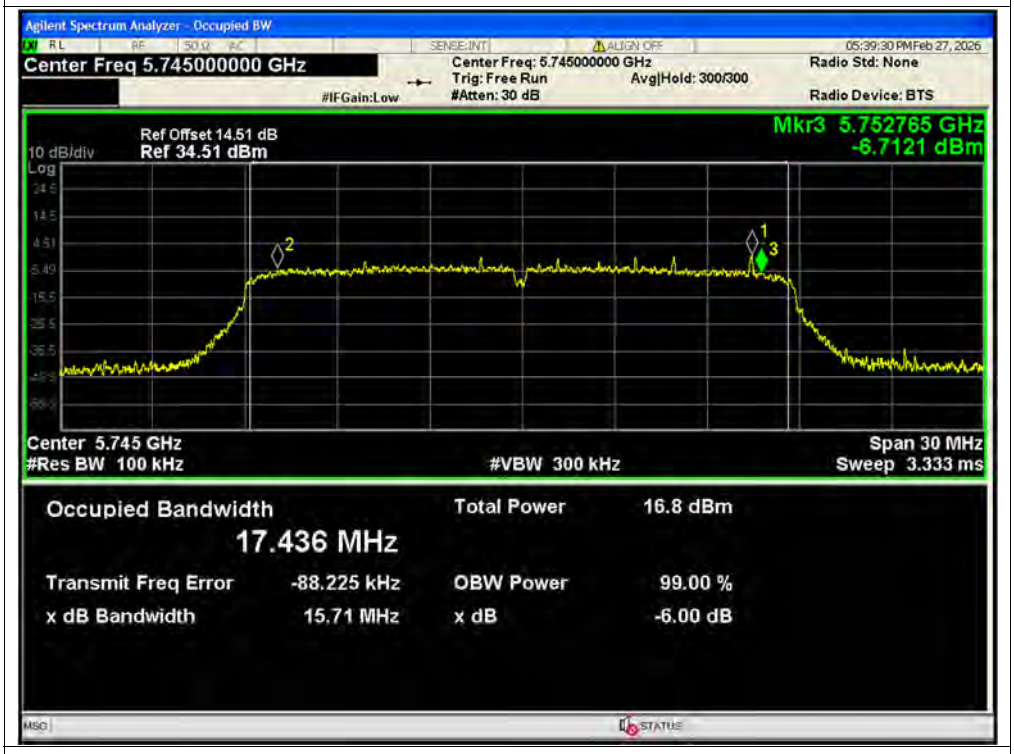
-6dB Bandwidth NVNT n20 5785MHz Ant2 SISO



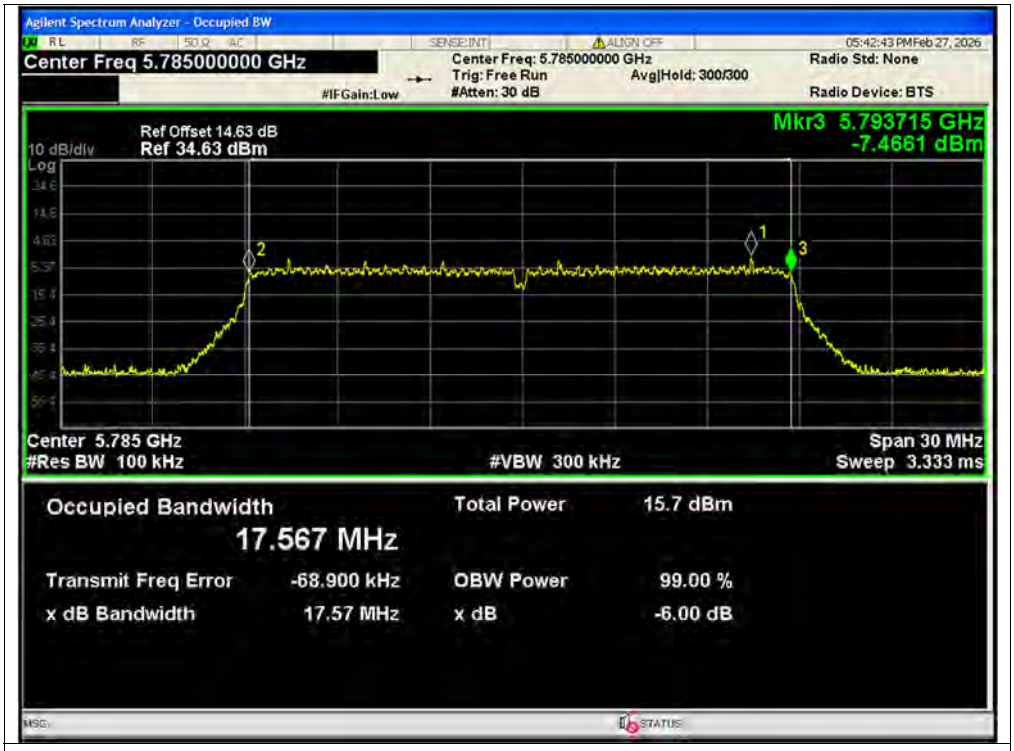
-6dB Bandwidth NVNT n20 5825MHz Ant2 SISO



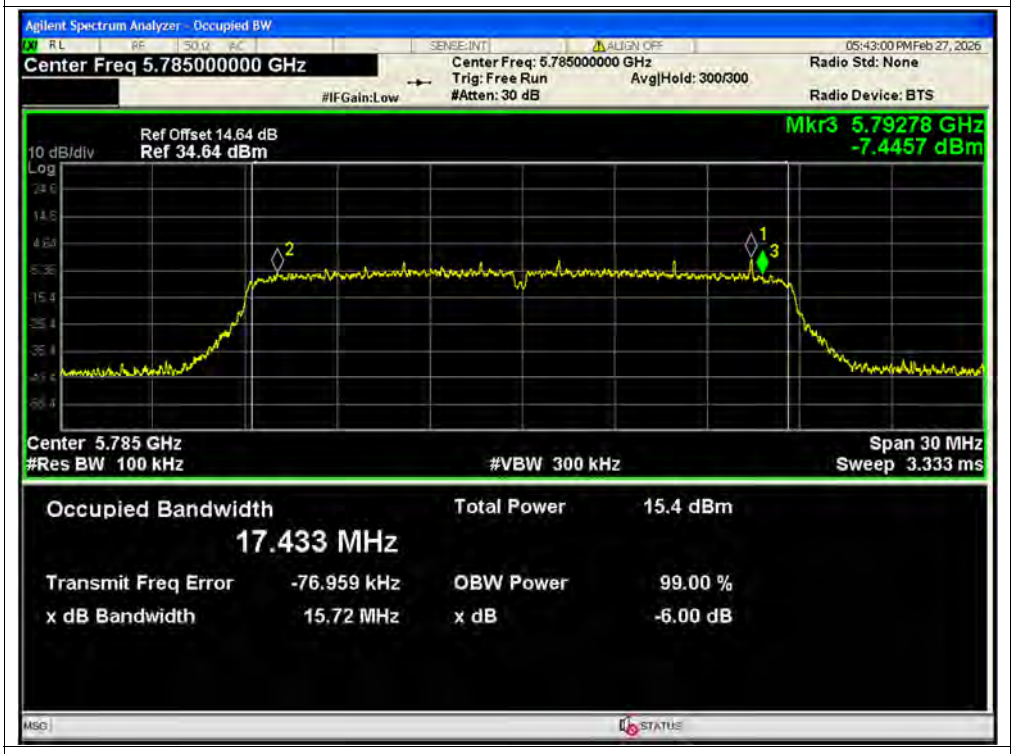
-6dB Bandwidth NVNT n20 5745MHz Ant1 MIMO



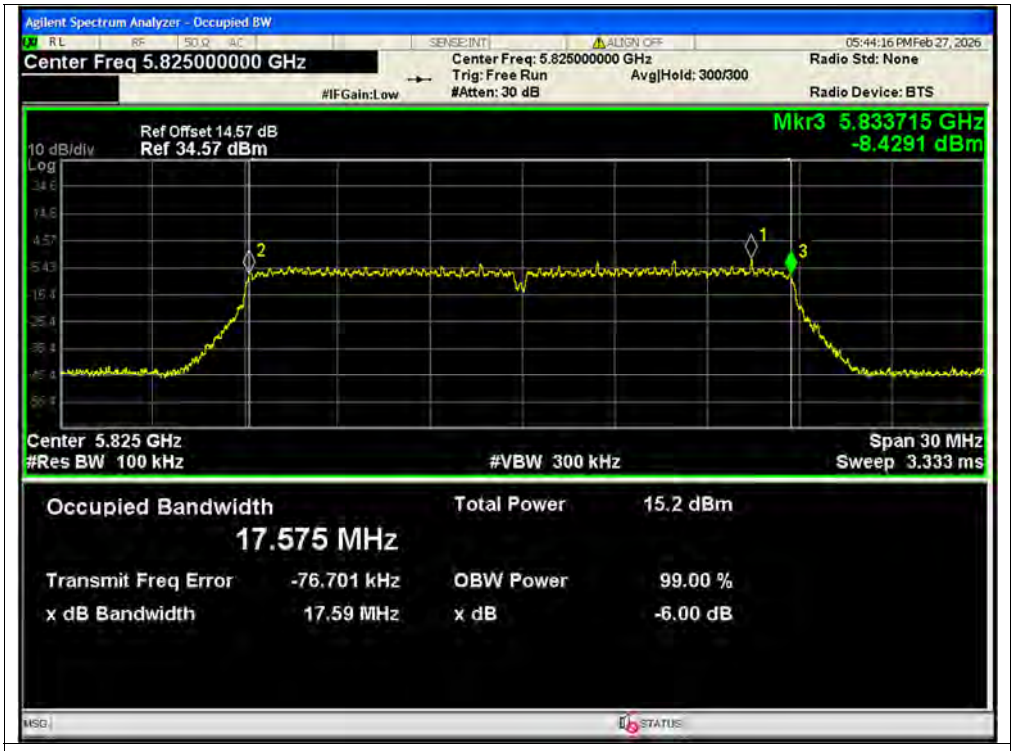
-6dB Bandwidth NVNT n20 5745MHz Ant2 MIMO



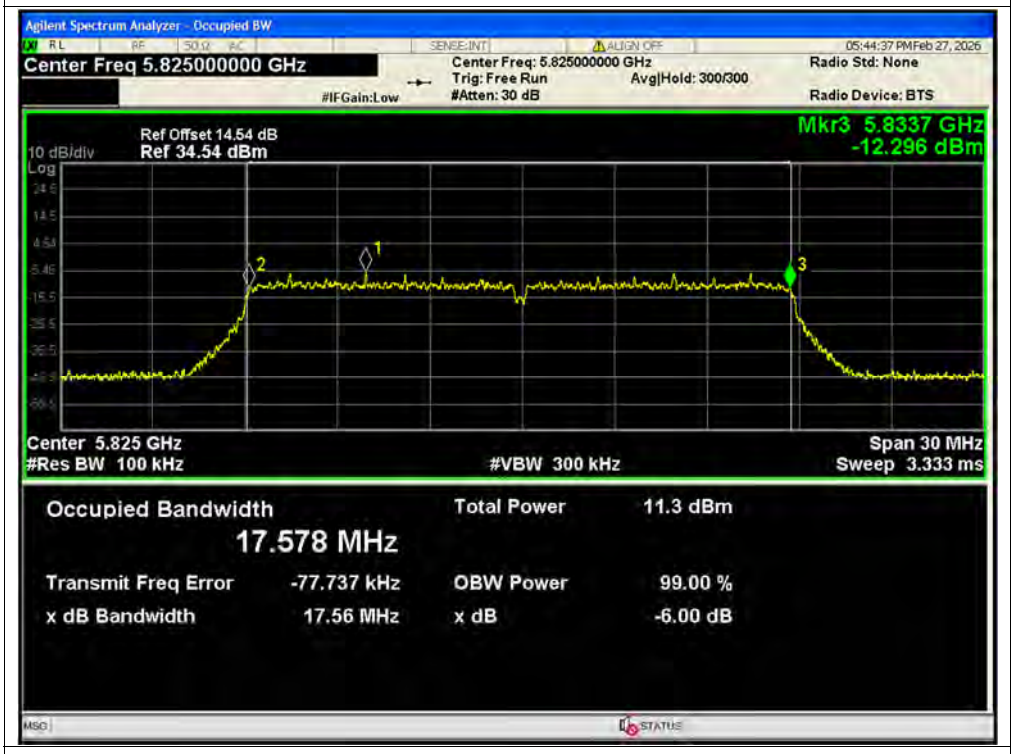
-6dB Bandwidth NVNT n20 5785MHz Ant1 MIMO



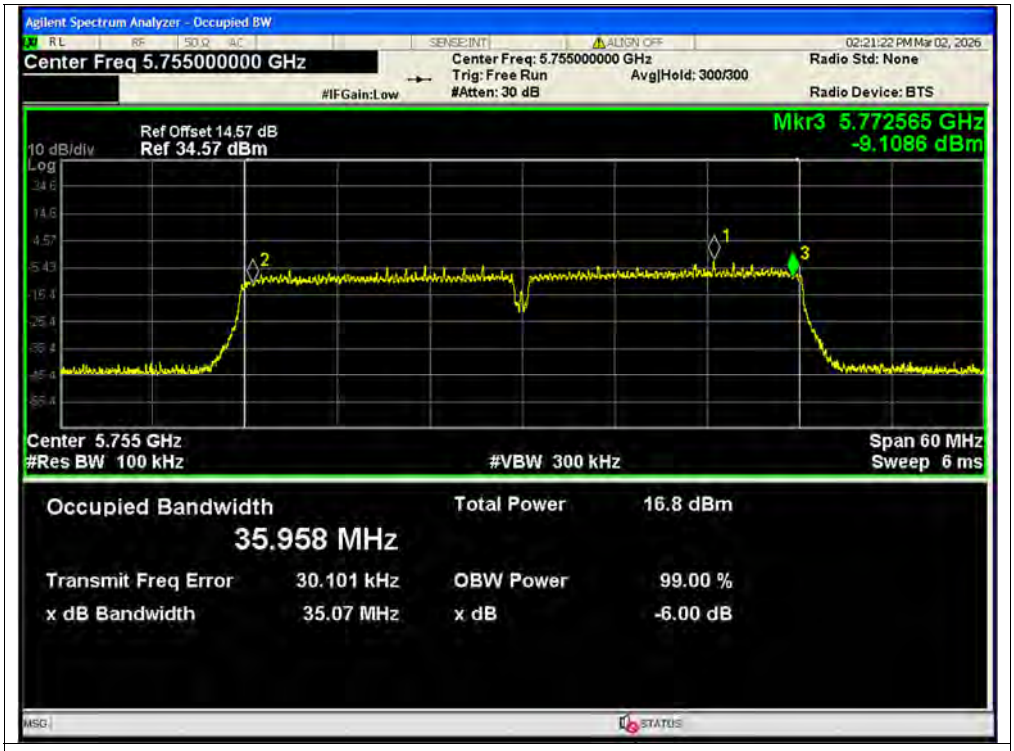
-6dB Bandwidth NVNT n20 5785MHz Ant2 MIMO



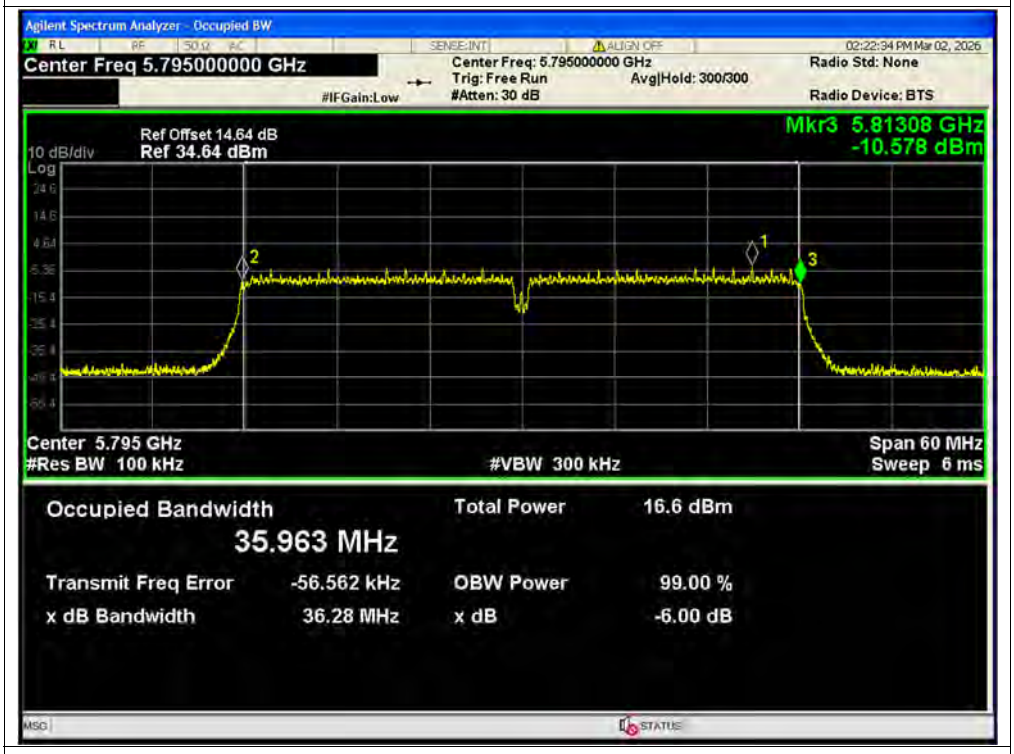
-6dB Bandwidth NVNT n20 5825MHz Ant1 MIMO



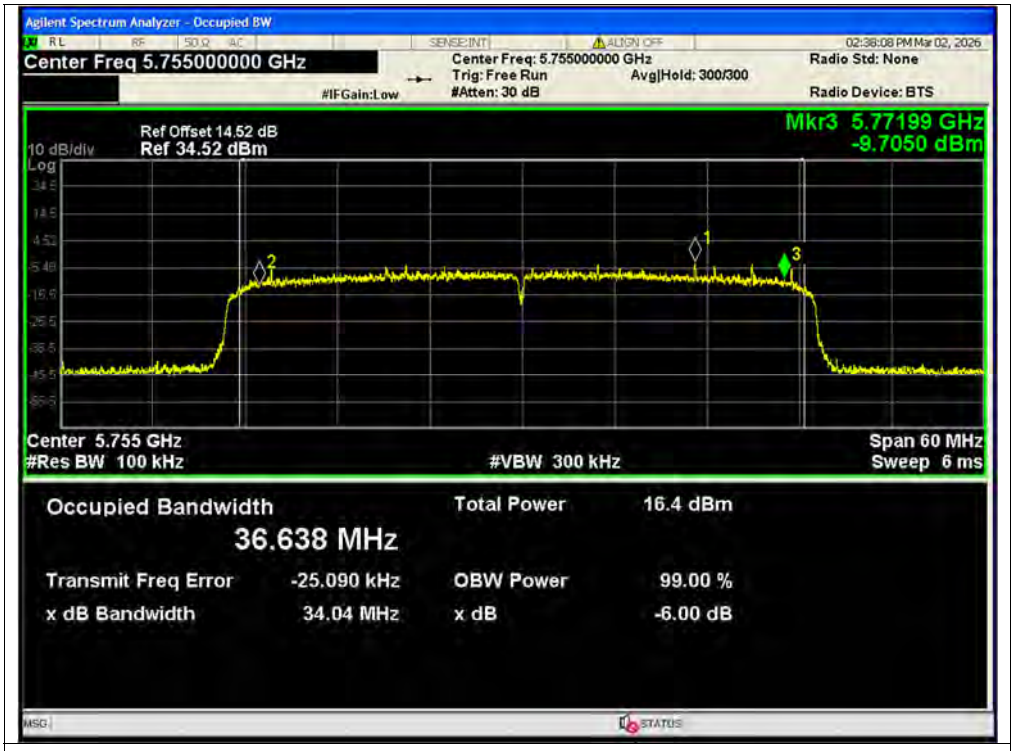
-6dB Bandwidth NVNT n20 5825MHz Ant2 MIMO



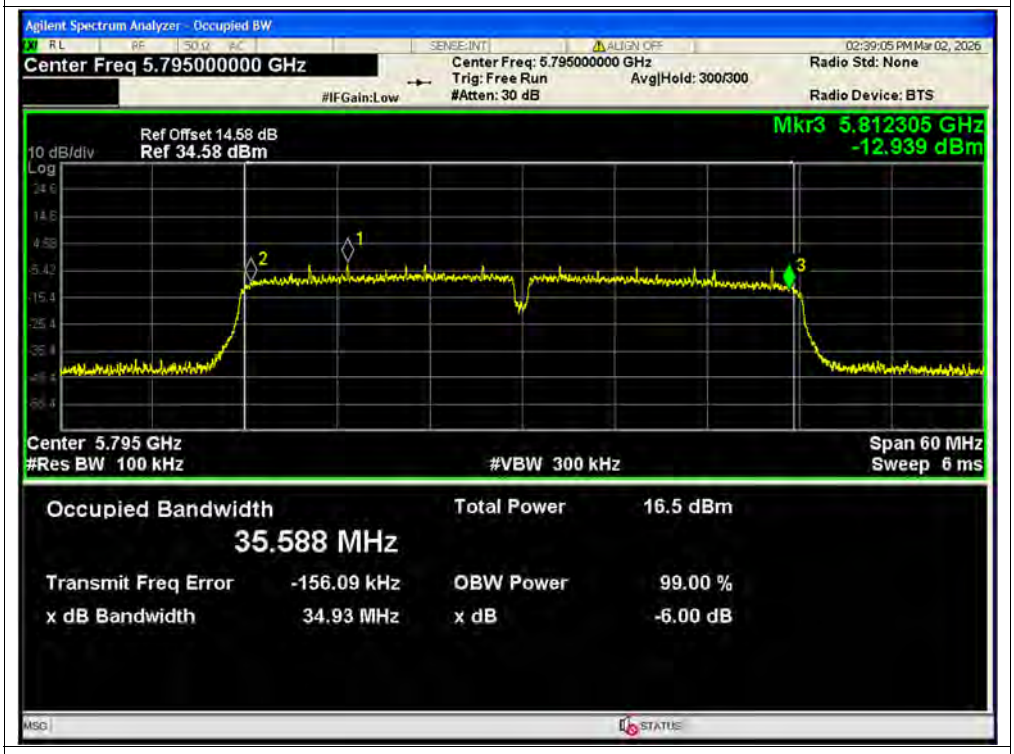
-6dB Bandwidth NVNT n40 5755MHz Ant1 SISO



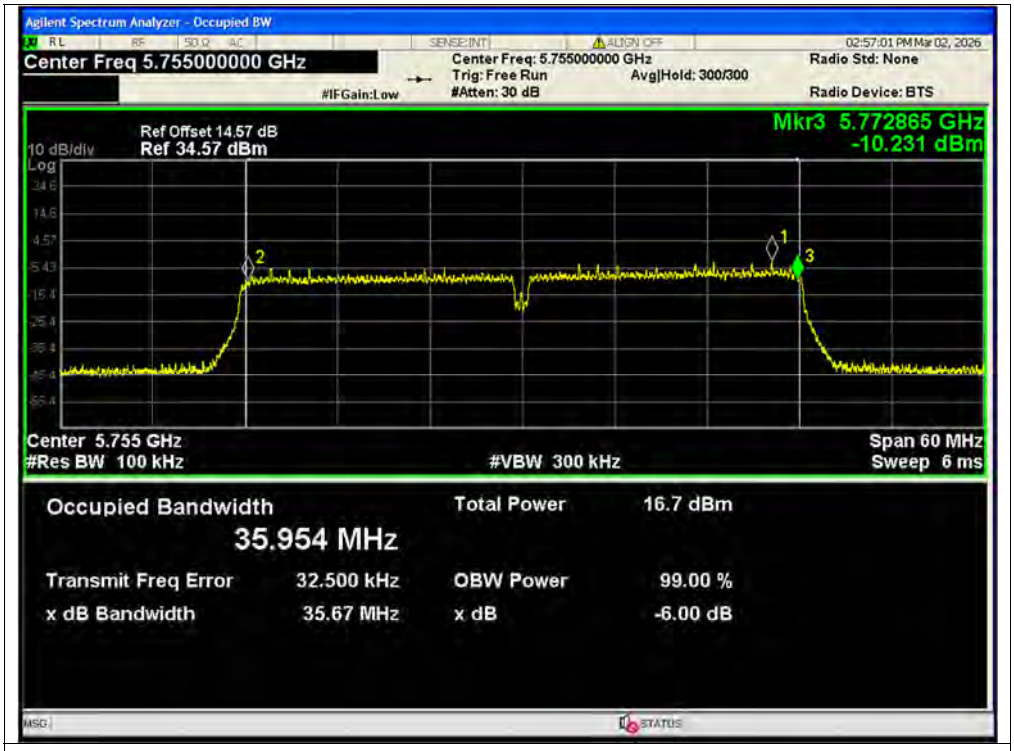
-6dB Bandwidth NVNT n40 5795MHz Ant1 SISO



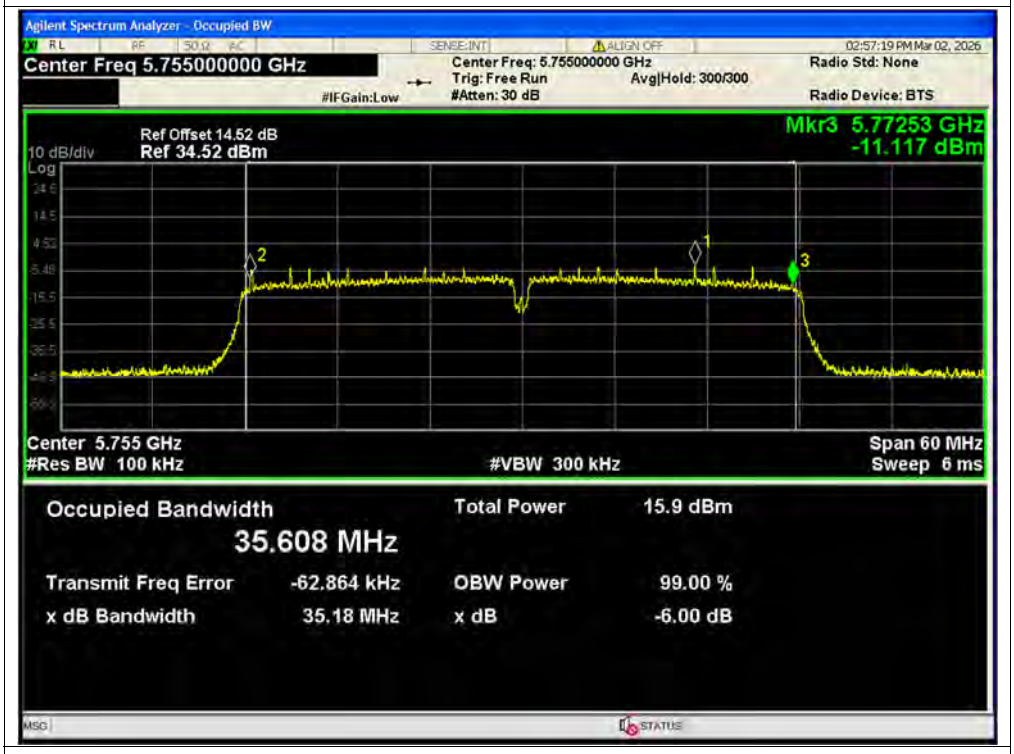
-6dB Bandwidth NVNT n40 5755MHz Ant2 SISO



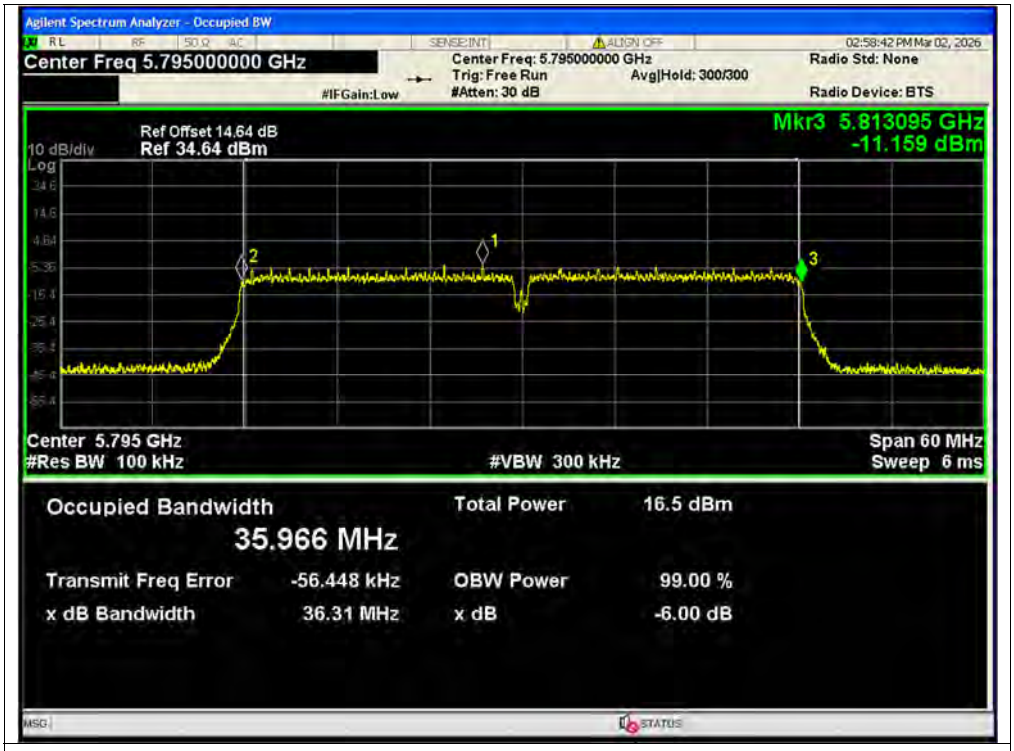
-6dB Bandwidth NVNT n40 5795MHz Ant2 SISO



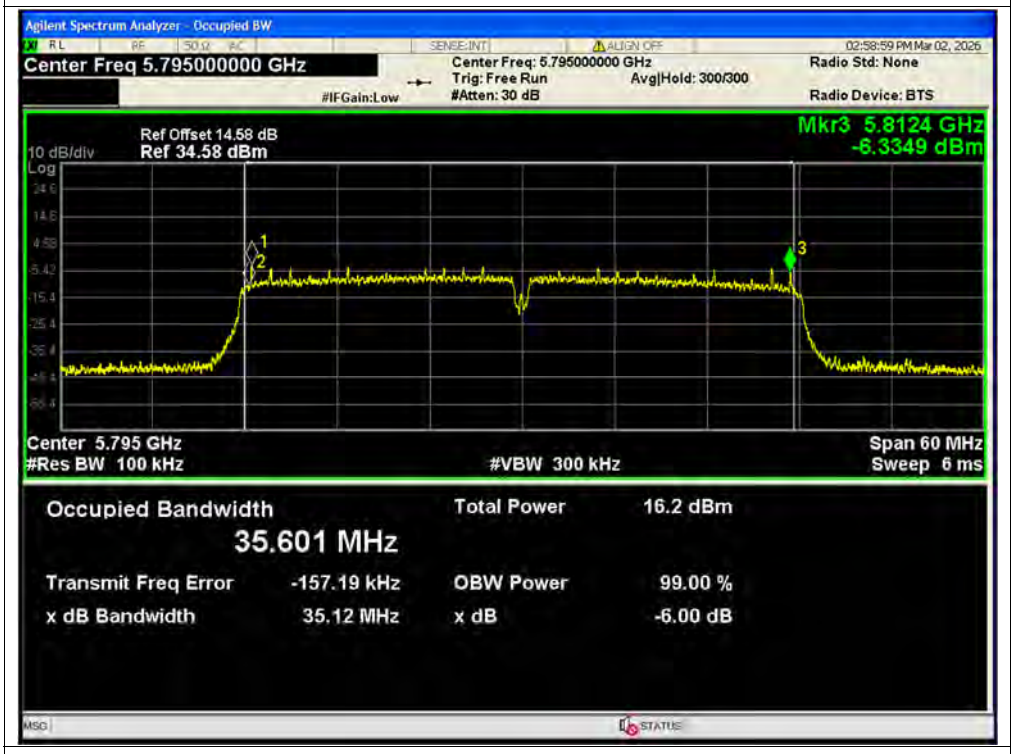
-6dB Bandwidth NVNT n40 5755MHz Ant1 MIMO



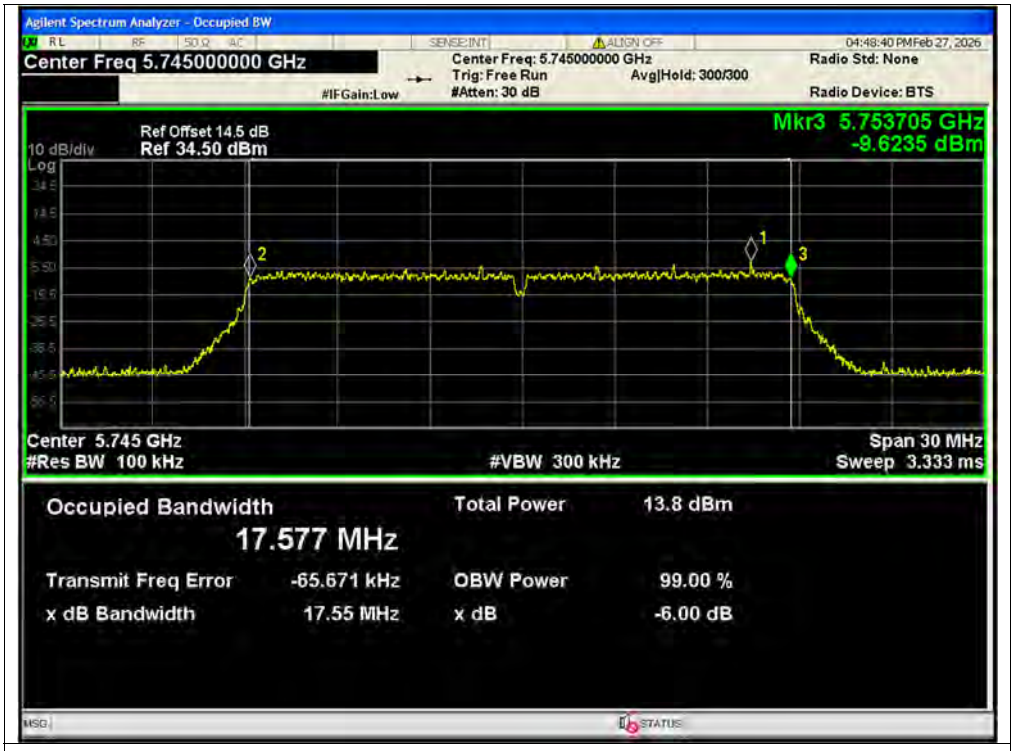
-6dB Bandwidth NVNT n40 5755MHz Ant2 MIMO



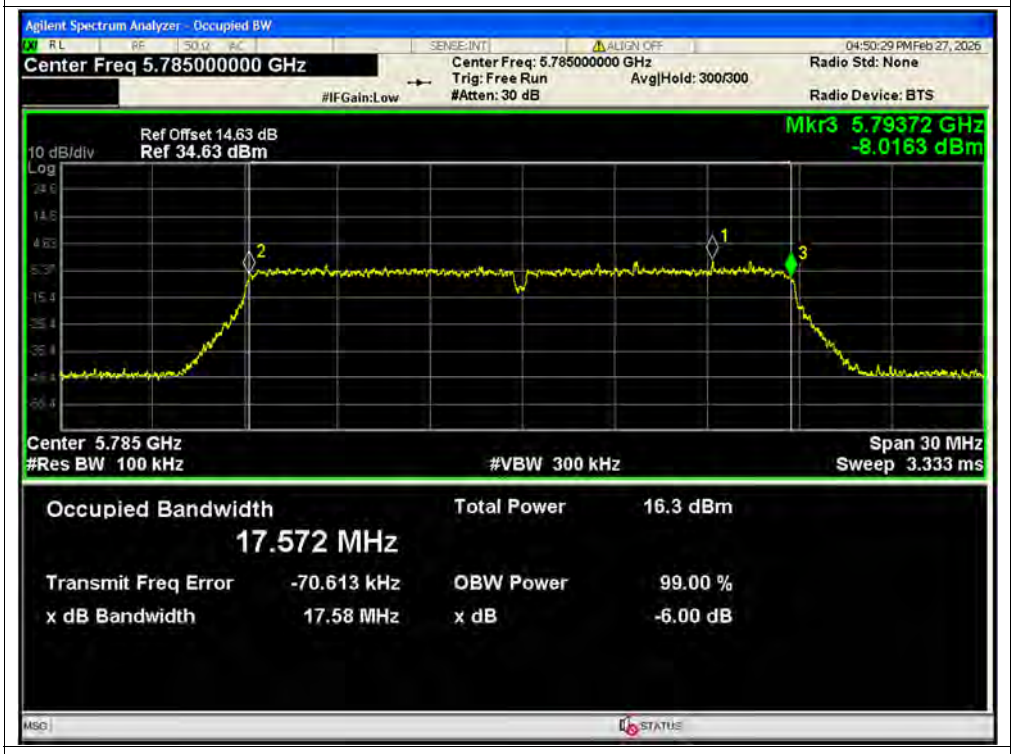
-6dB Bandwidth NVNT n40 5795MHz Ant1 MIMO



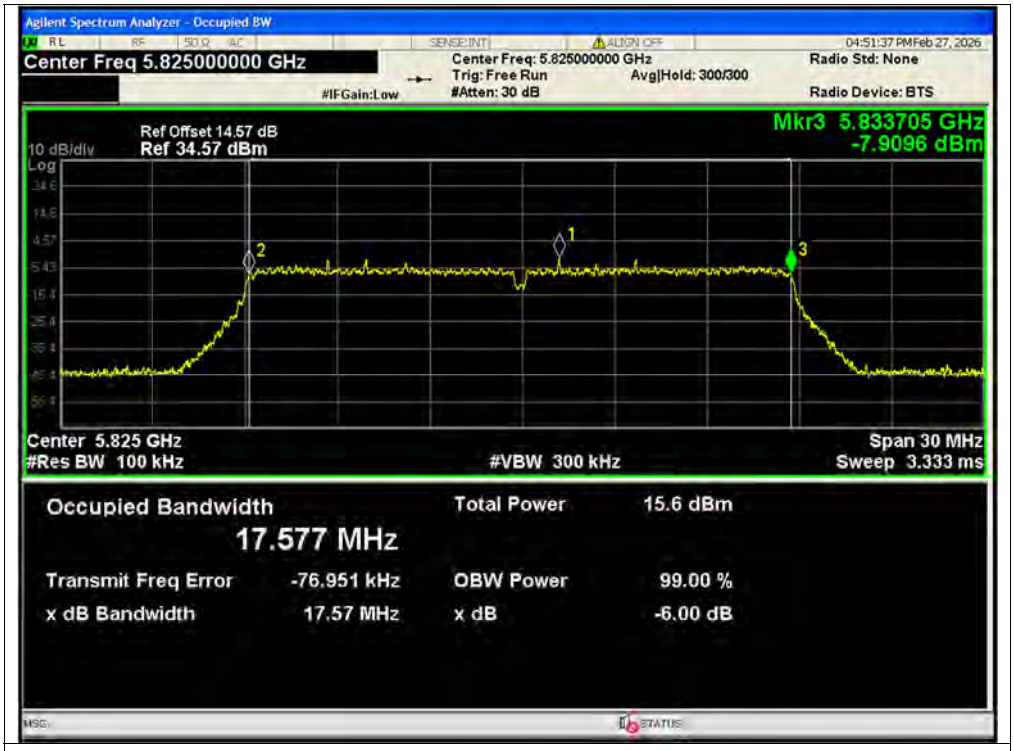
-6dB Bandwidth NVNT n40 5795MHz Ant2 MIMO



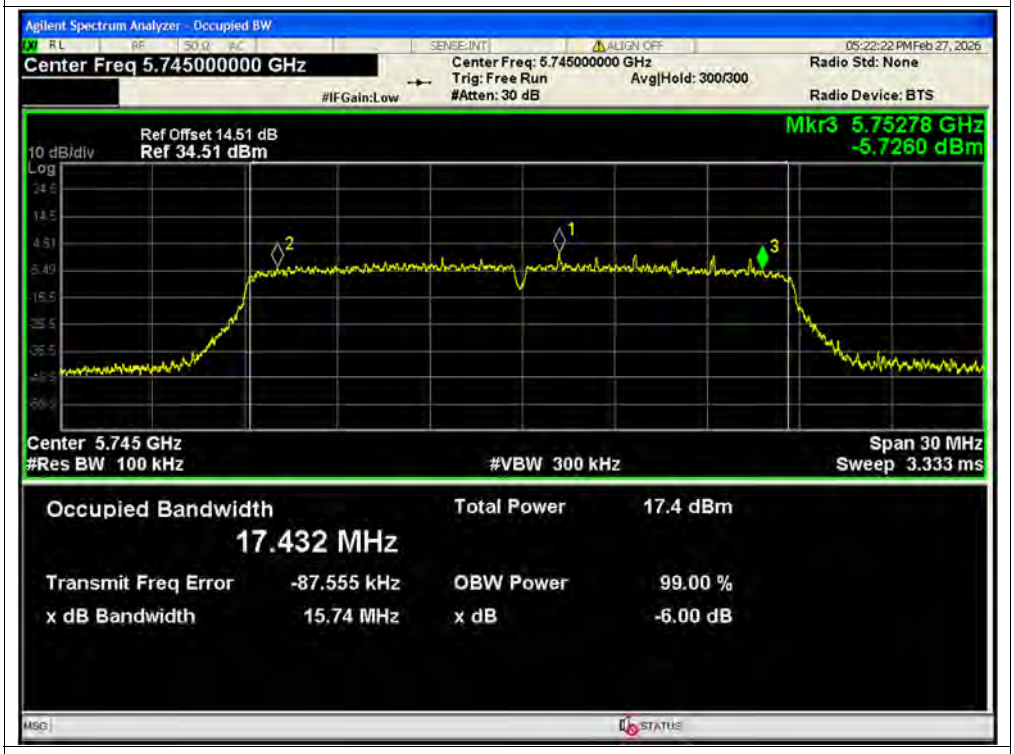
-6dB Bandwidth NVNT ac20 5745MHz Ant1 SISO



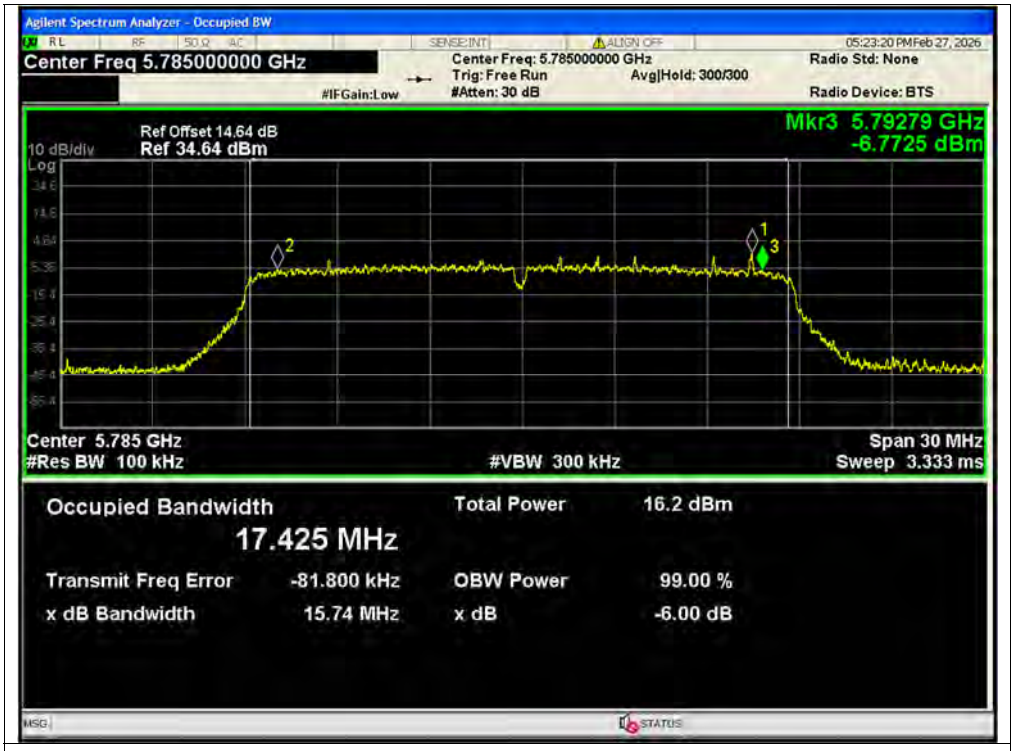
-6dB Bandwidth NVNT ac20 5785MHz Ant1 SISO



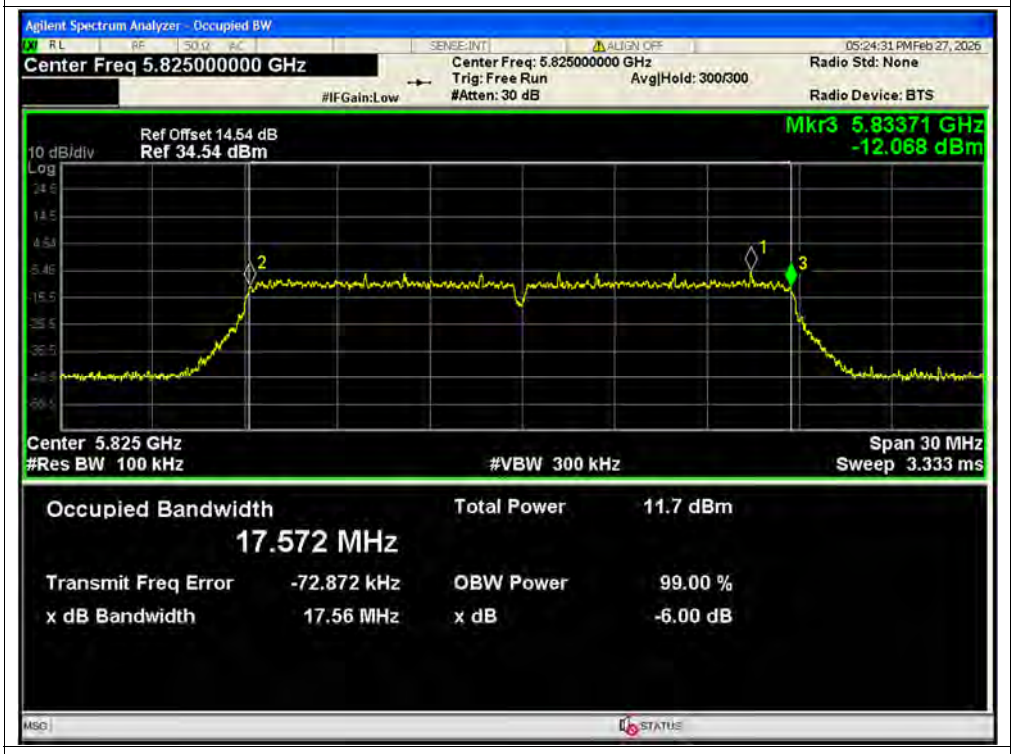
-6dB Bandwidth NVNT ac20 5825MHz Ant1 SISO



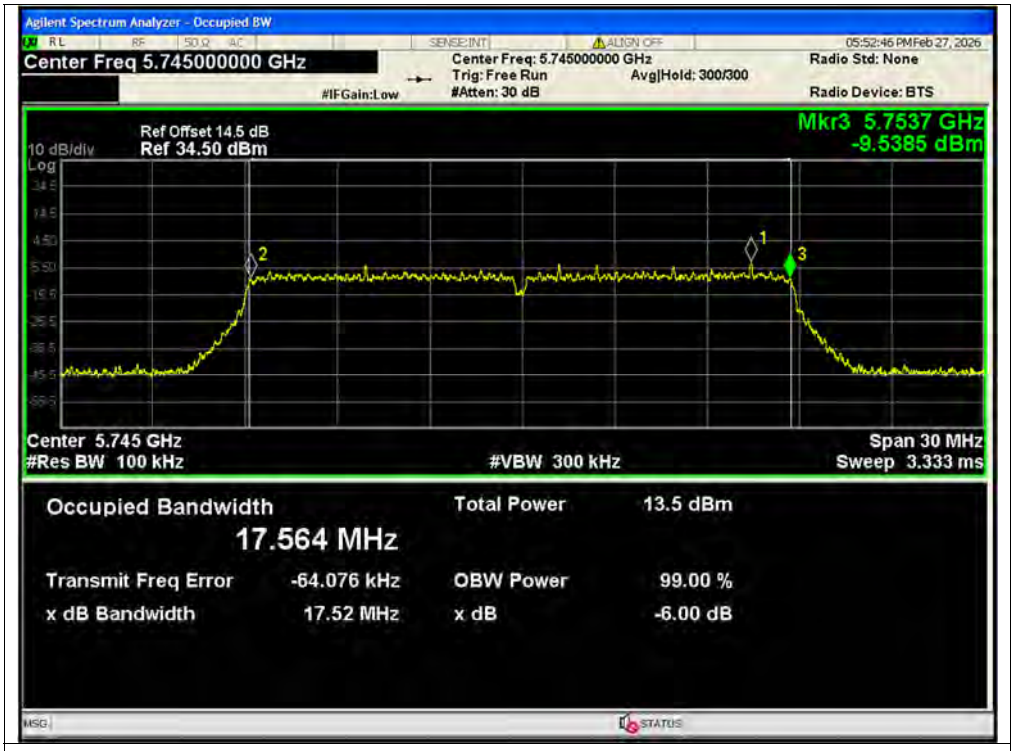
-6dB Bandwidth NVNT ac20 5745MHz Ant2 SISO



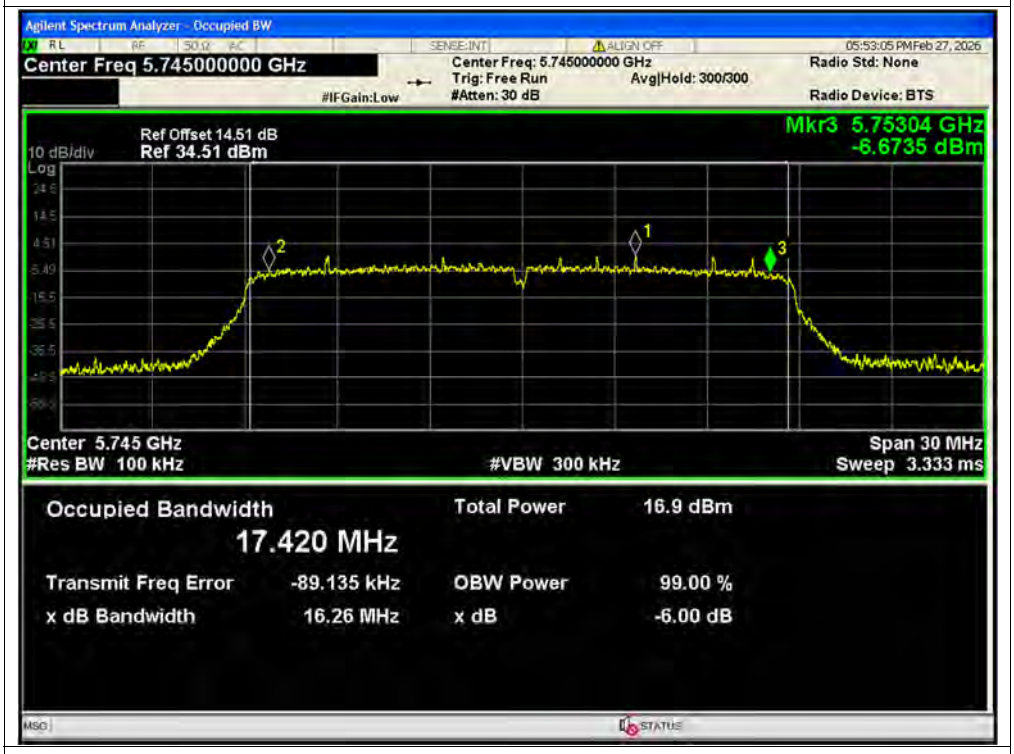
-6dB Bandwidth NVNT ac20 5785MHz Ant2 SISO



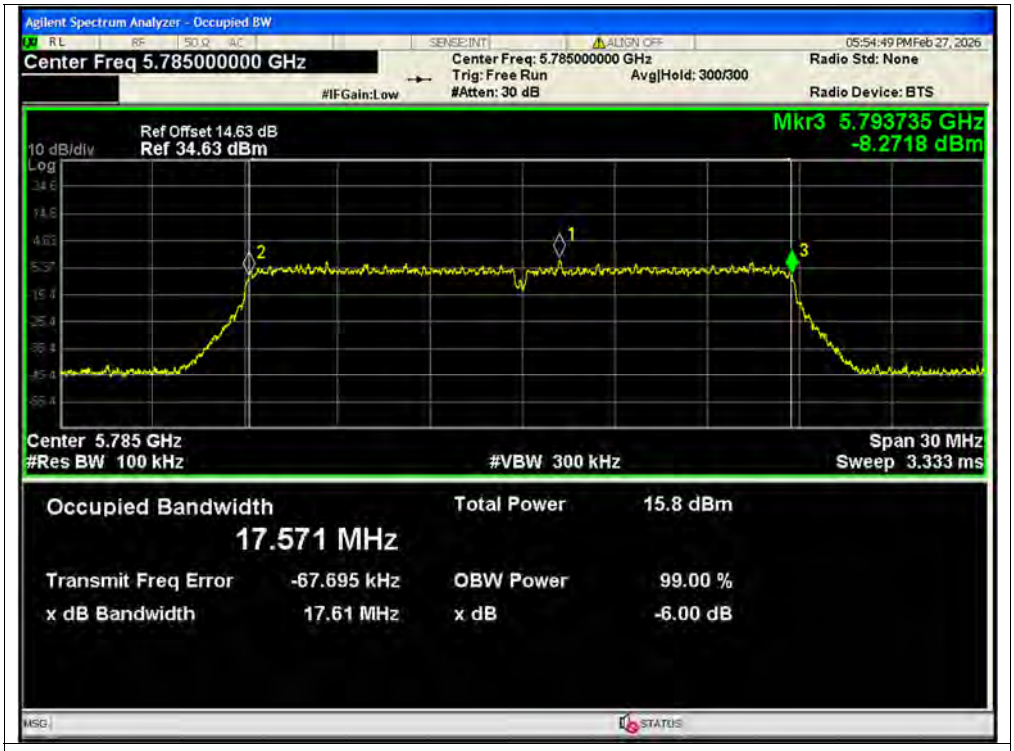
-6dB Bandwidth NVNT ac20 5825MHz Ant2 SISO



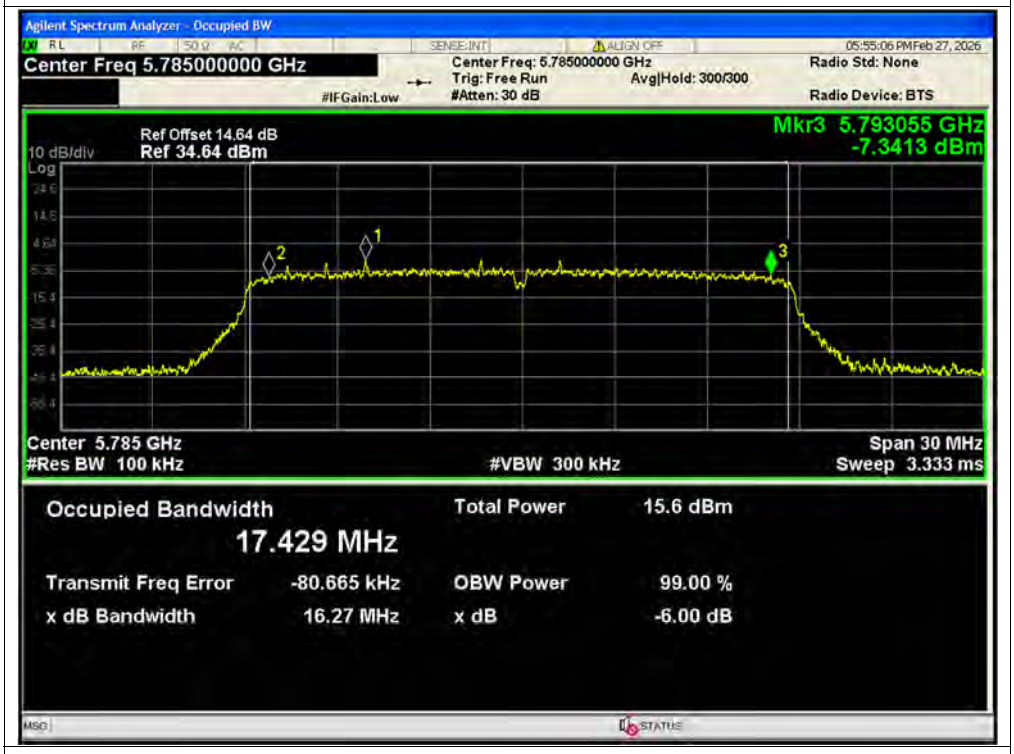
-6dB Bandwidth NVNT ac20 5745MHz Ant1 MIMO



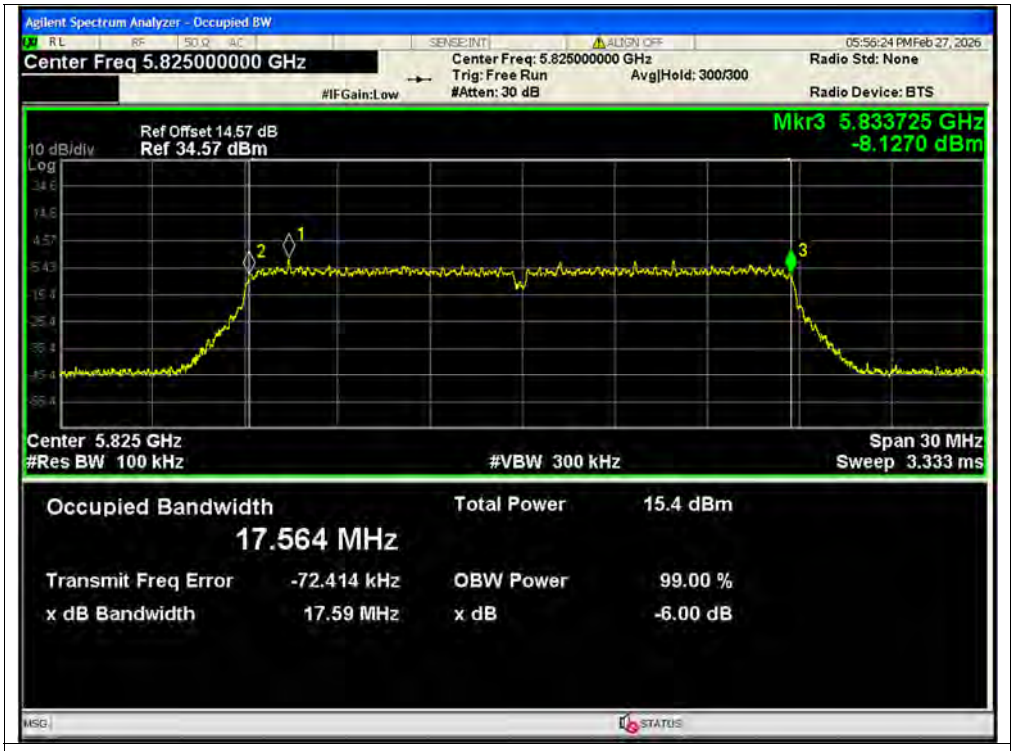
-6dB Bandwidth NVNT ac20 5745MHz Ant2 MIMO



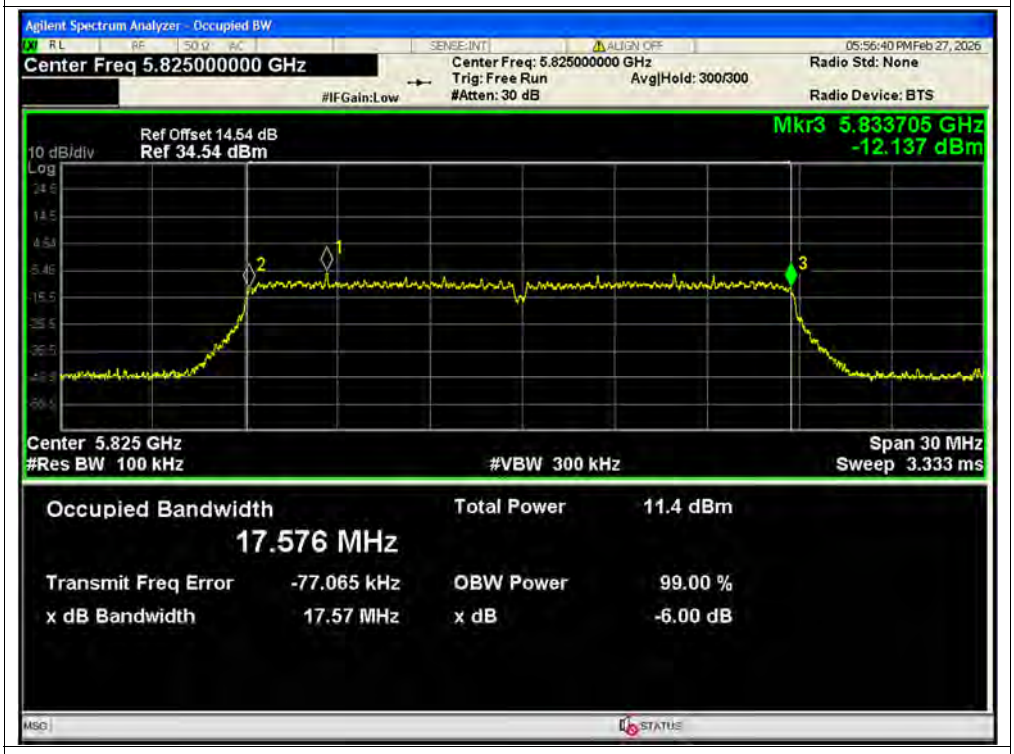
-6dB Bandwidth NVNT ac20 5785MHz Ant1 MIMO



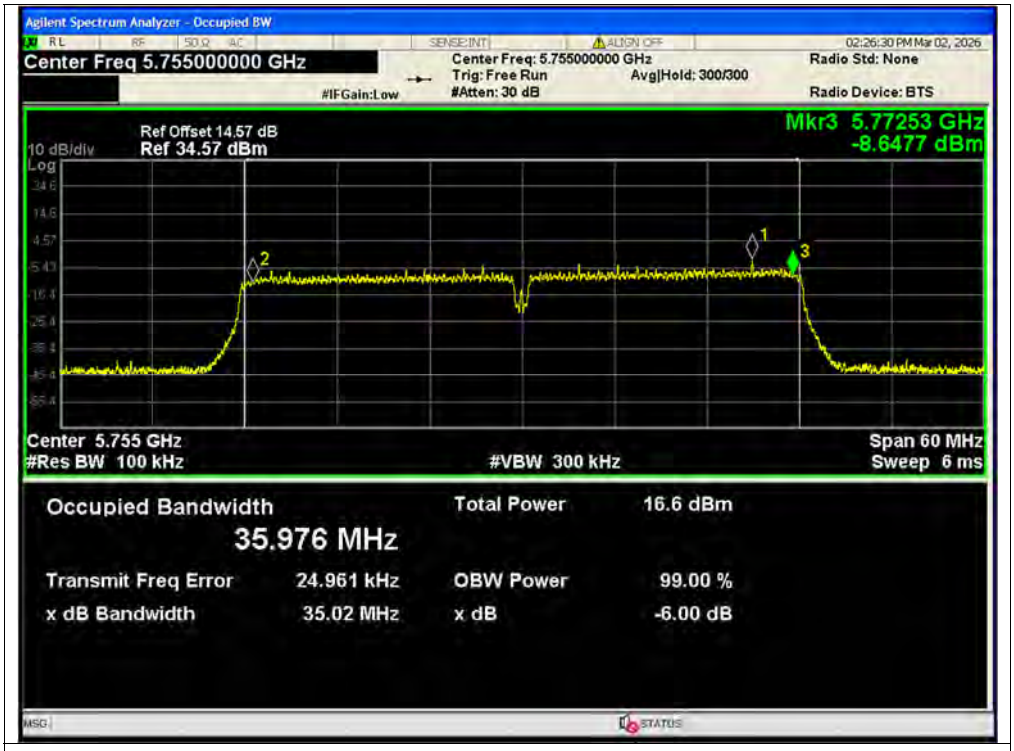
-6dB Bandwidth NVNT ac20 5785MHz Ant2 MIMO



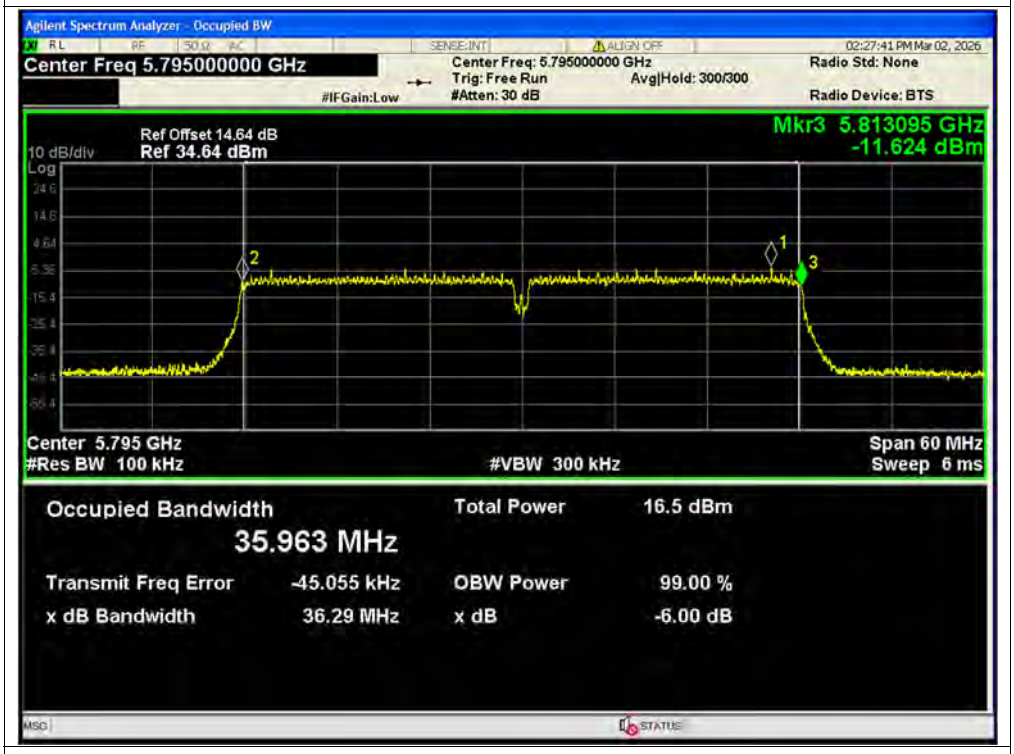
-6dB Bandwidth NVNT ac20 5825MHz Ant1 MIMO



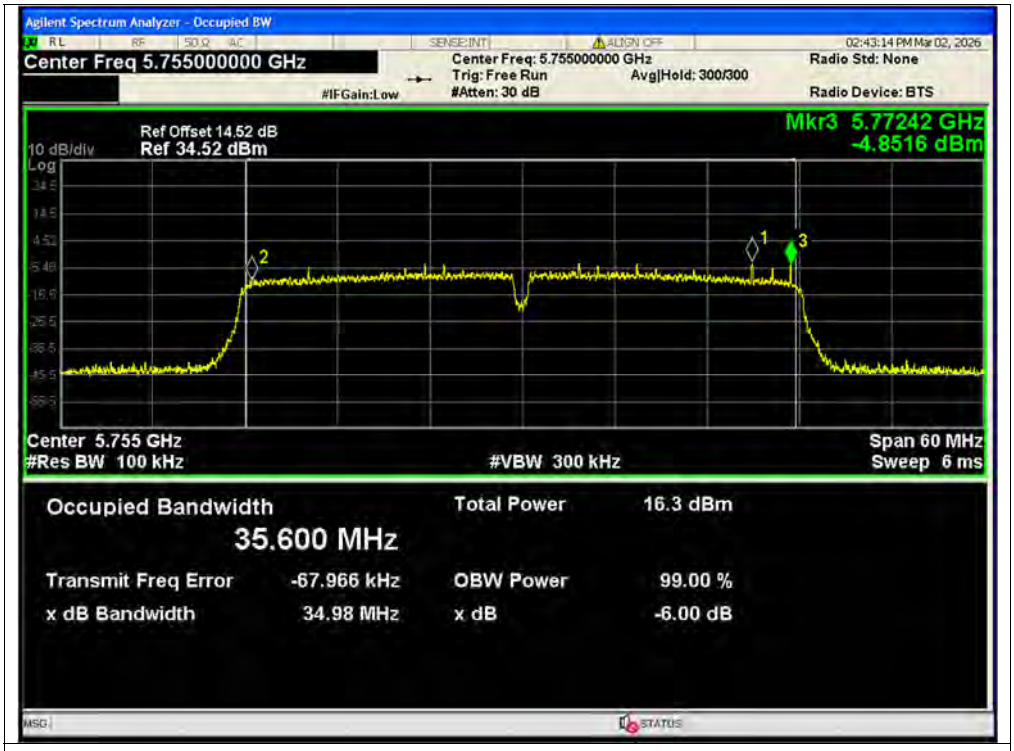
-6dB Bandwidth NVNT ac20 5825MHz Ant2 MIMO



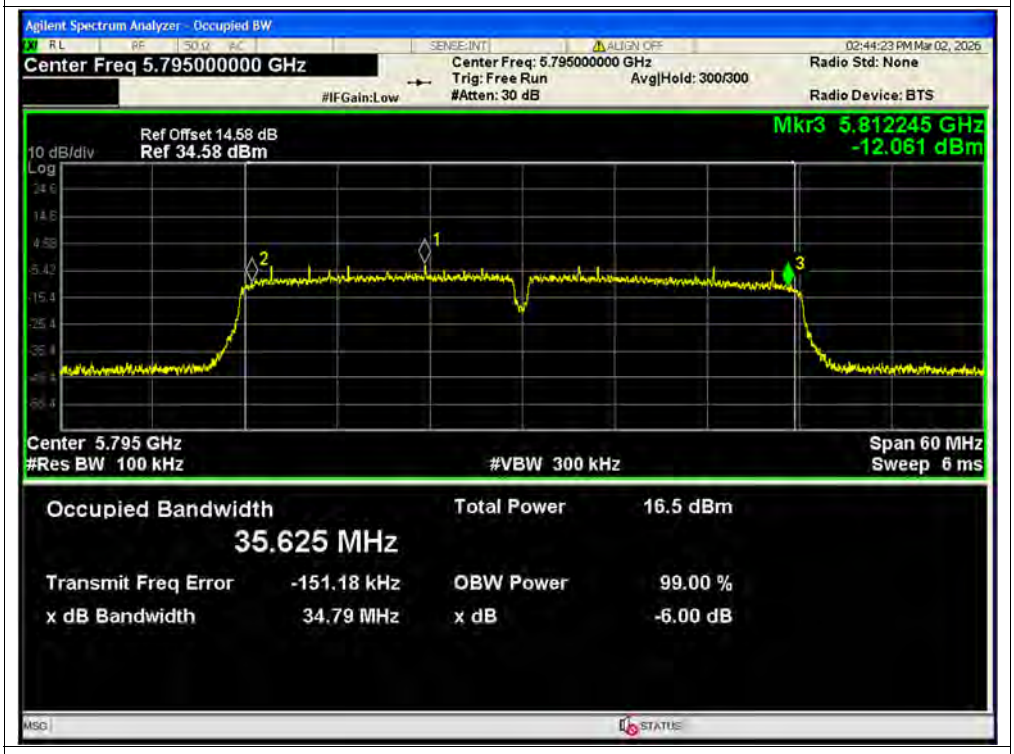
-6dB Bandwidth NVNT ac40 5755MHz Ant1 SISO



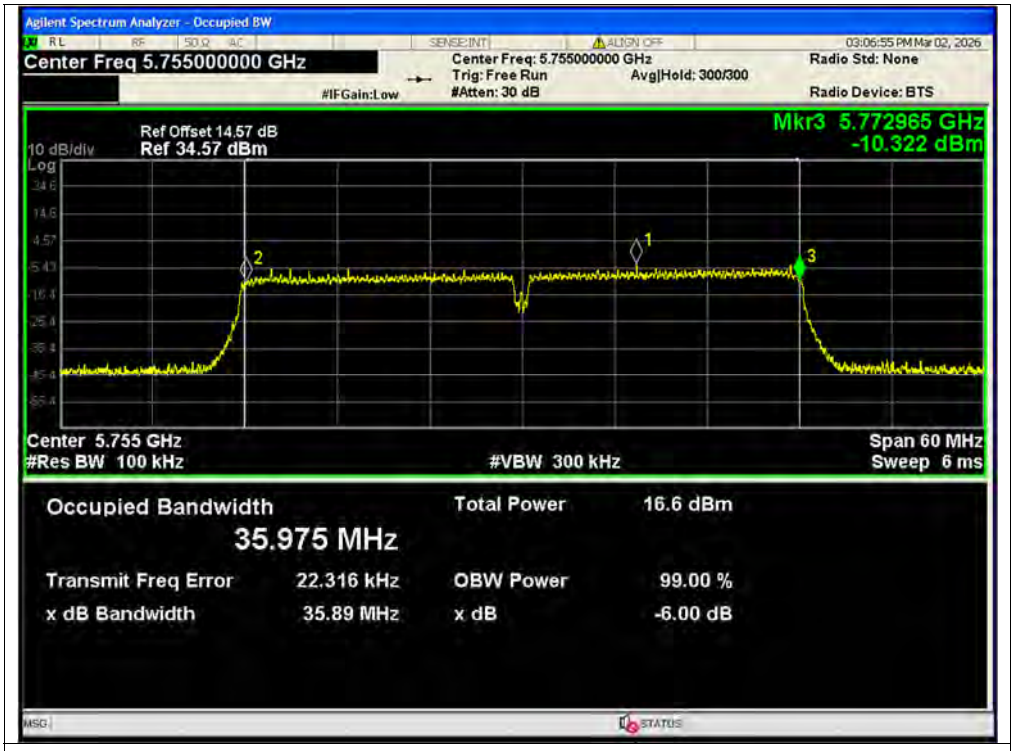
-6dB Bandwidth NVNT ac40 5795MHz Ant1 SISO



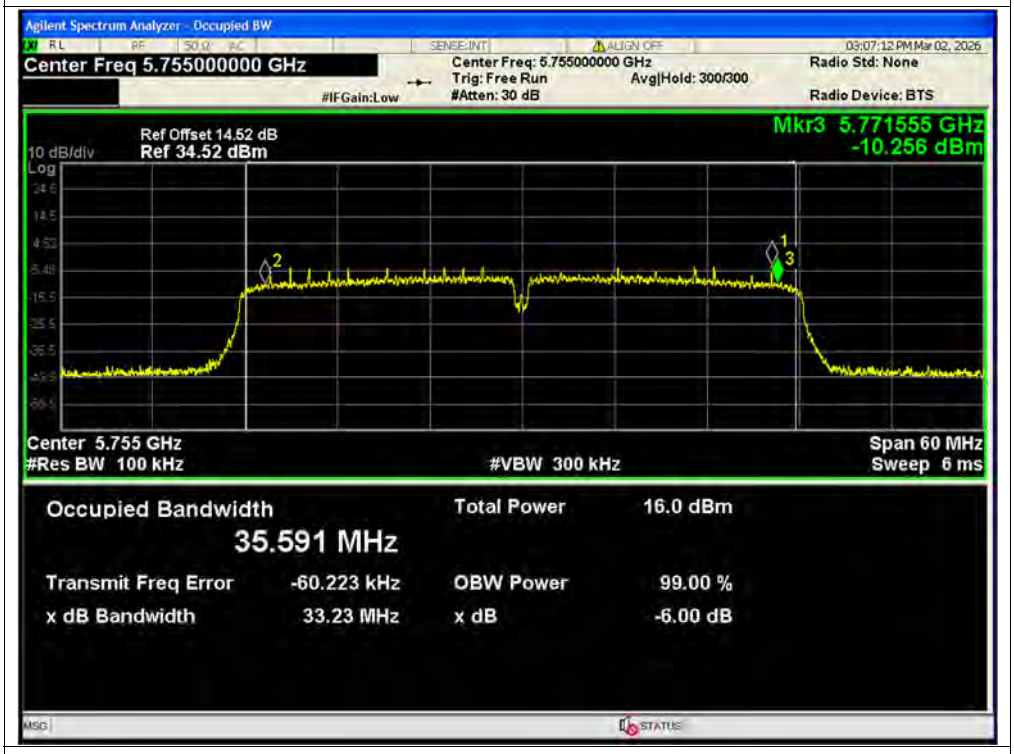
-6dB Bandwidth NVNT ac40 5755MHz Ant2 SISO



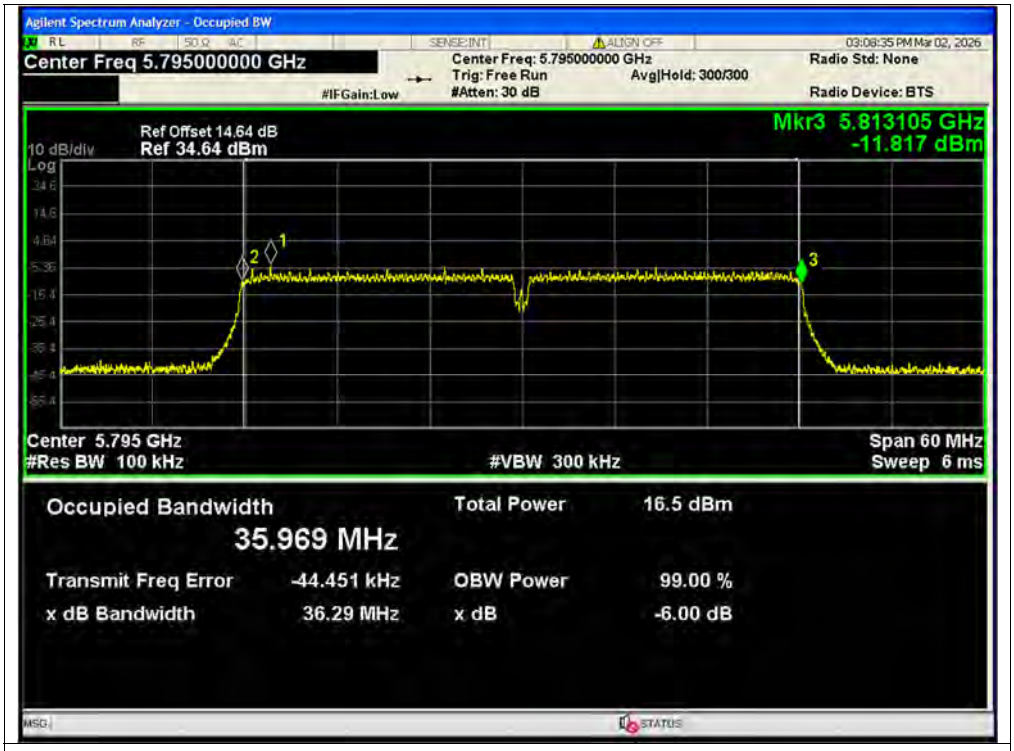
-6dB Bandwidth NVNT ac40 5795MHz Ant2 SISO



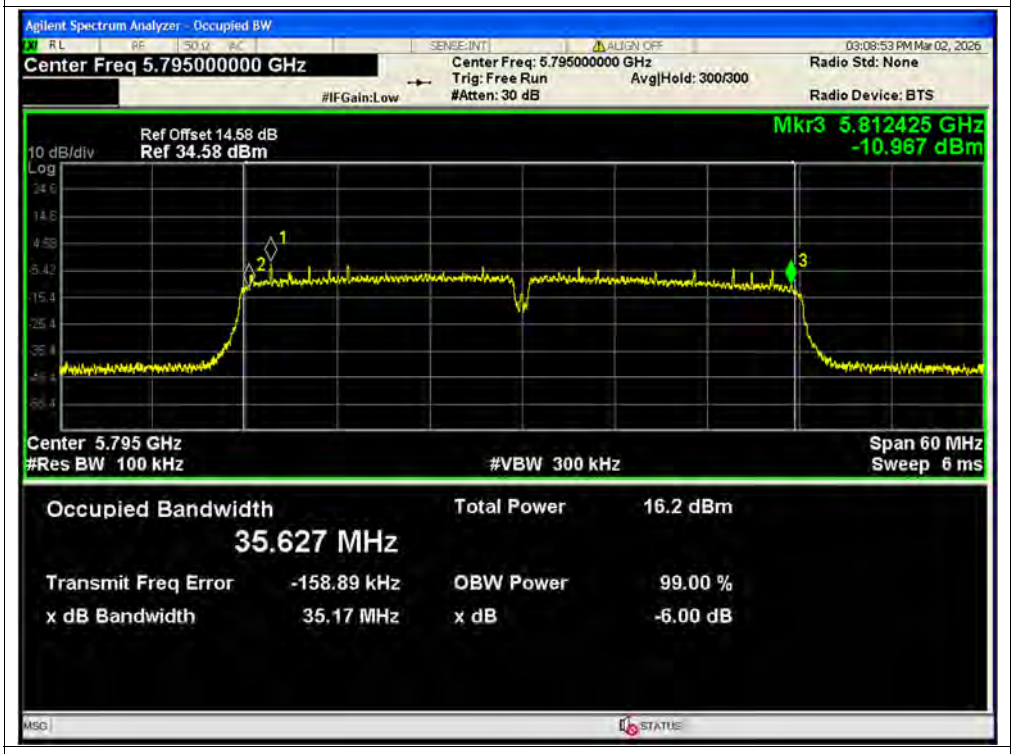
-6dB Bandwidth NVNT ac40 5755MHz Ant1 MIMO



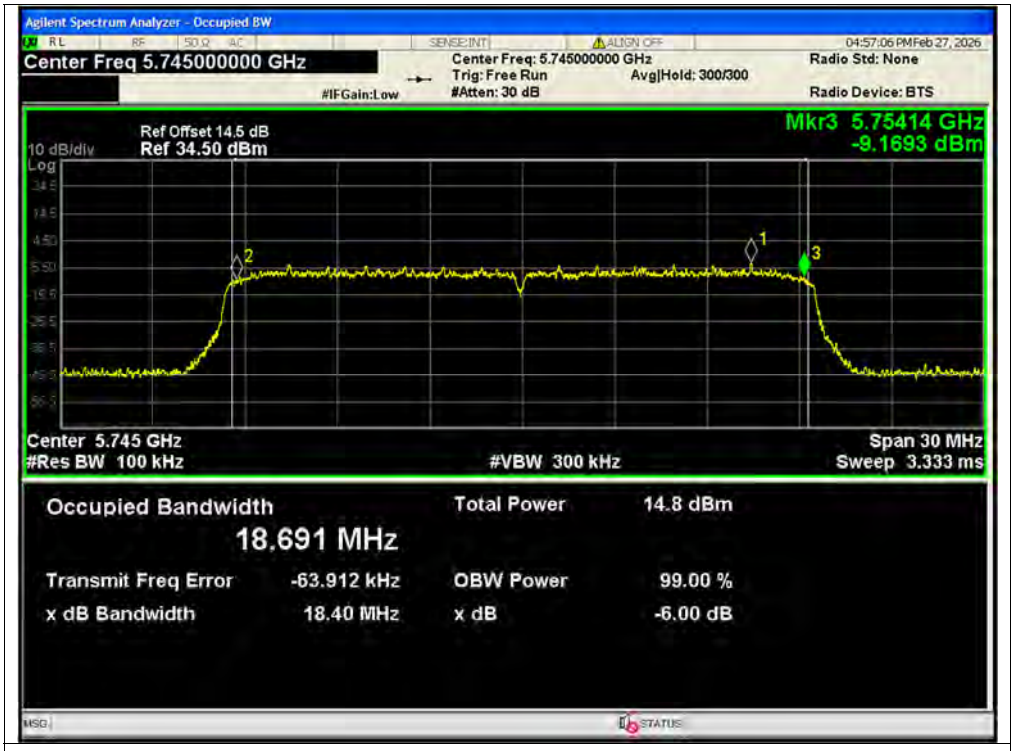
-6dB Bandwidth NVNT ac40 5755MHz Ant2 MIMO



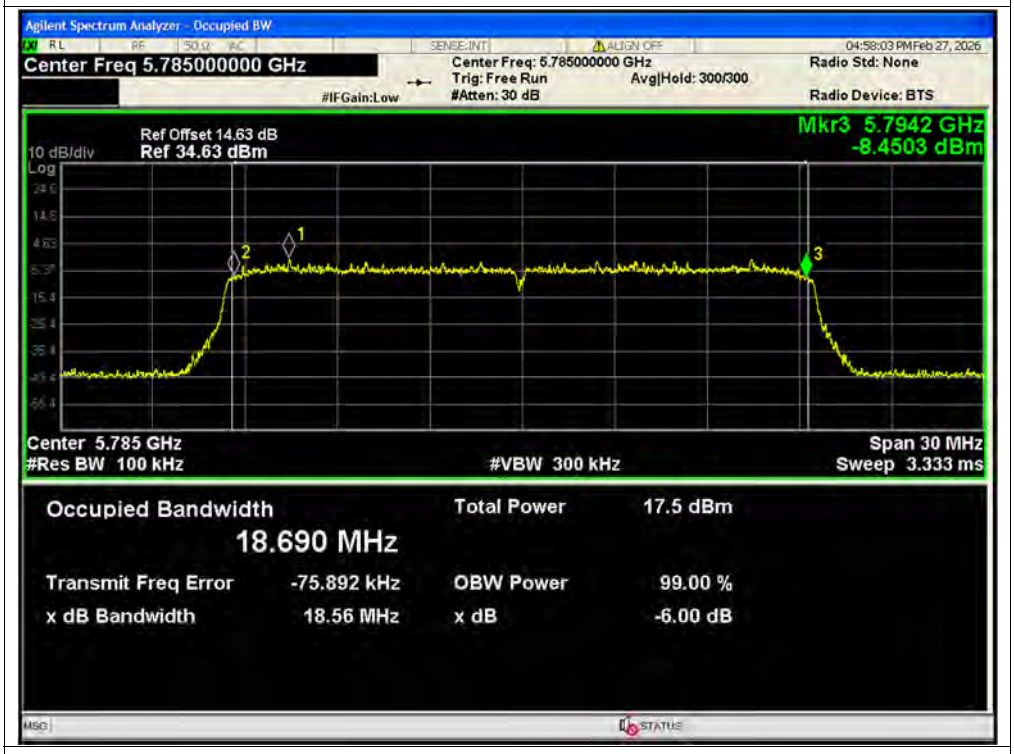
-6dB Bandwidth NVNT ac40 5795MHz Ant1 MIMO



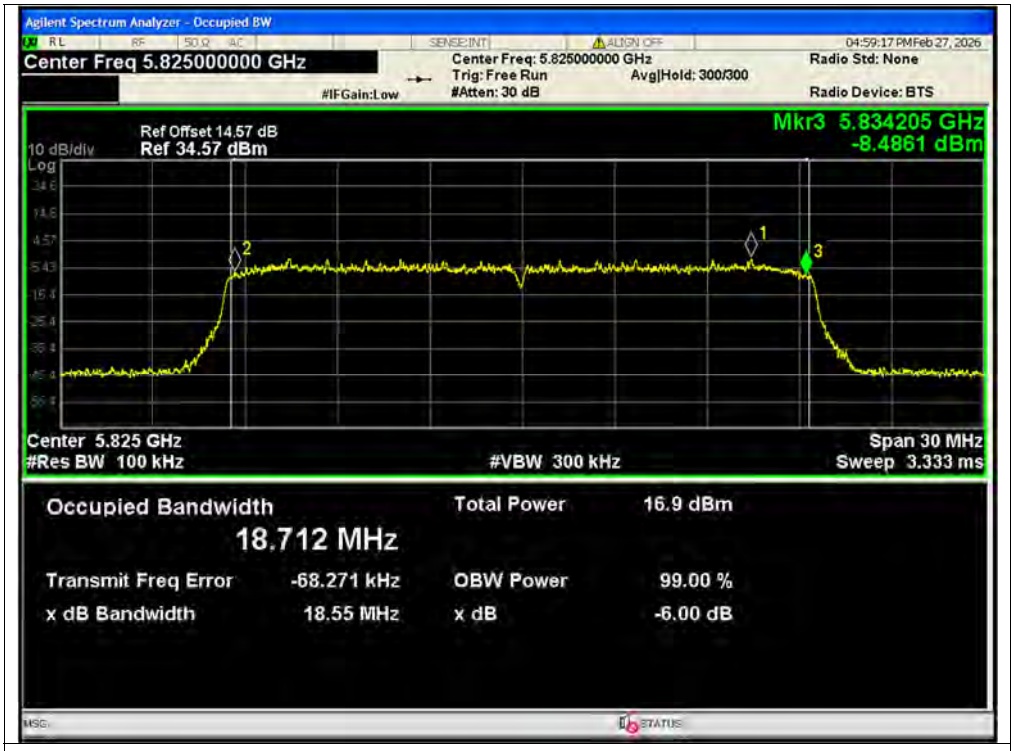
-6dB Bandwidth NVNT ac40 5795MHz Ant2 MIMO



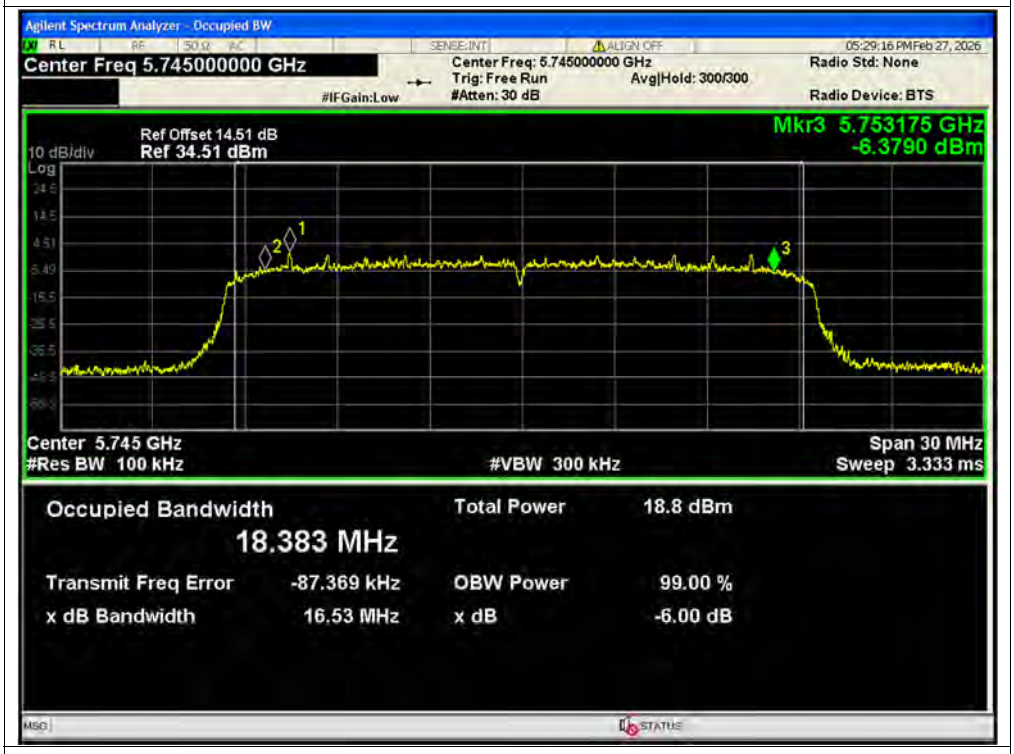
-6dB Bandwidth NVNT ax20 5745MHz Ant1 SISO



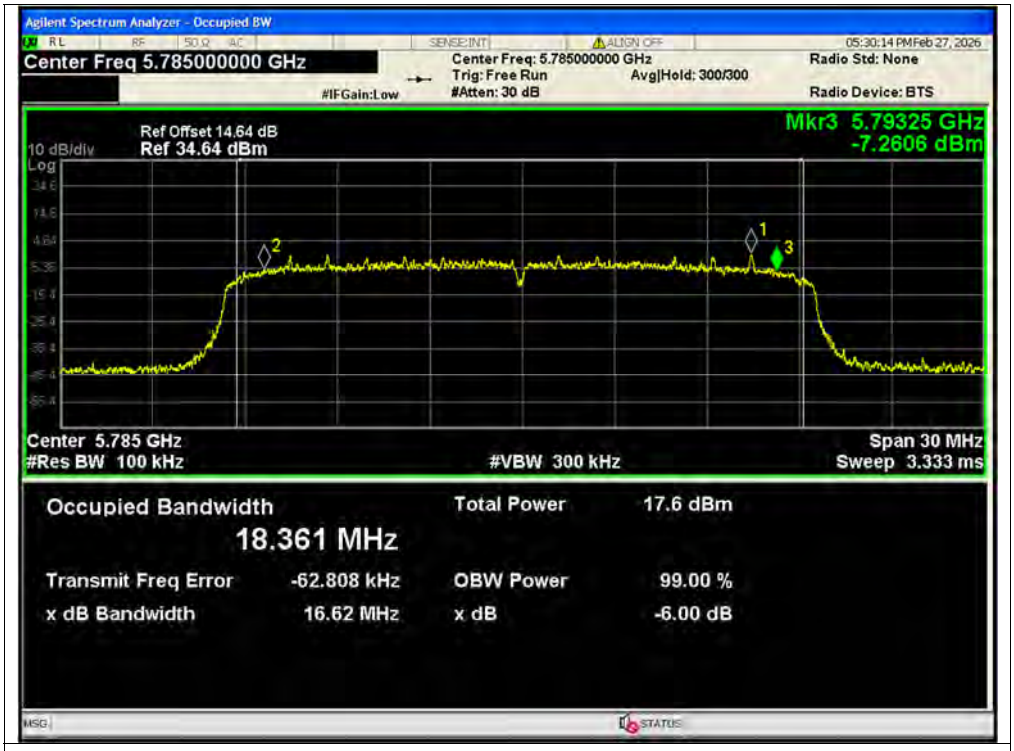
-6dB Bandwidth NVNT ax20 5785MHz Ant1 SISO



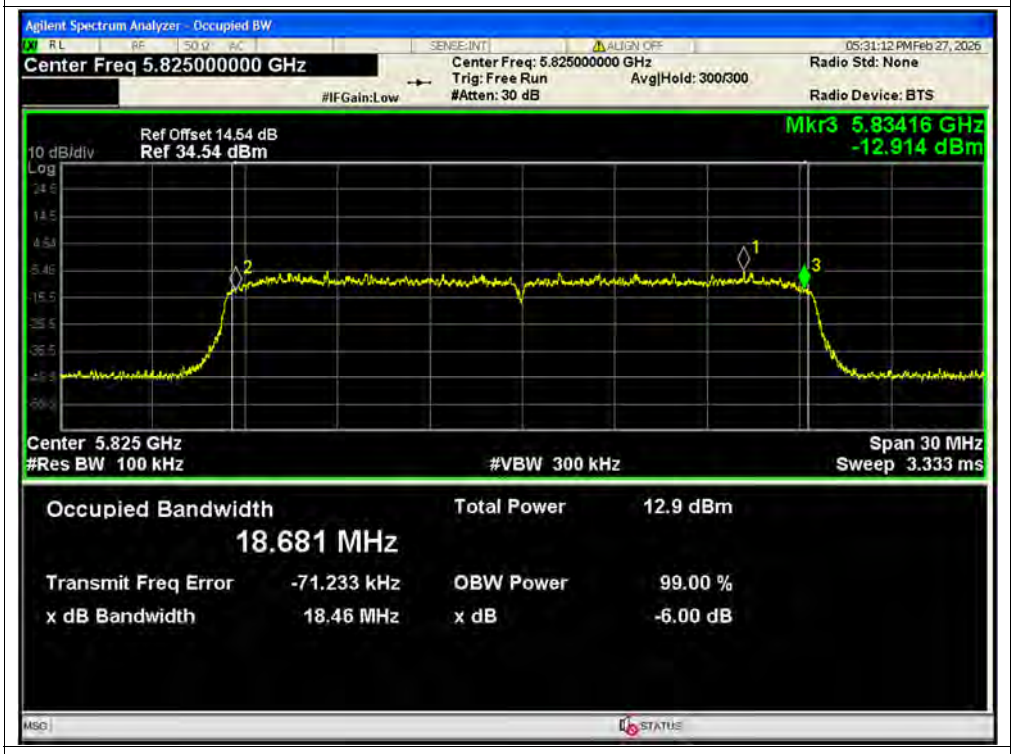
-6dB Bandwidth NVNT ax20 5825MHz Ant1 SISO



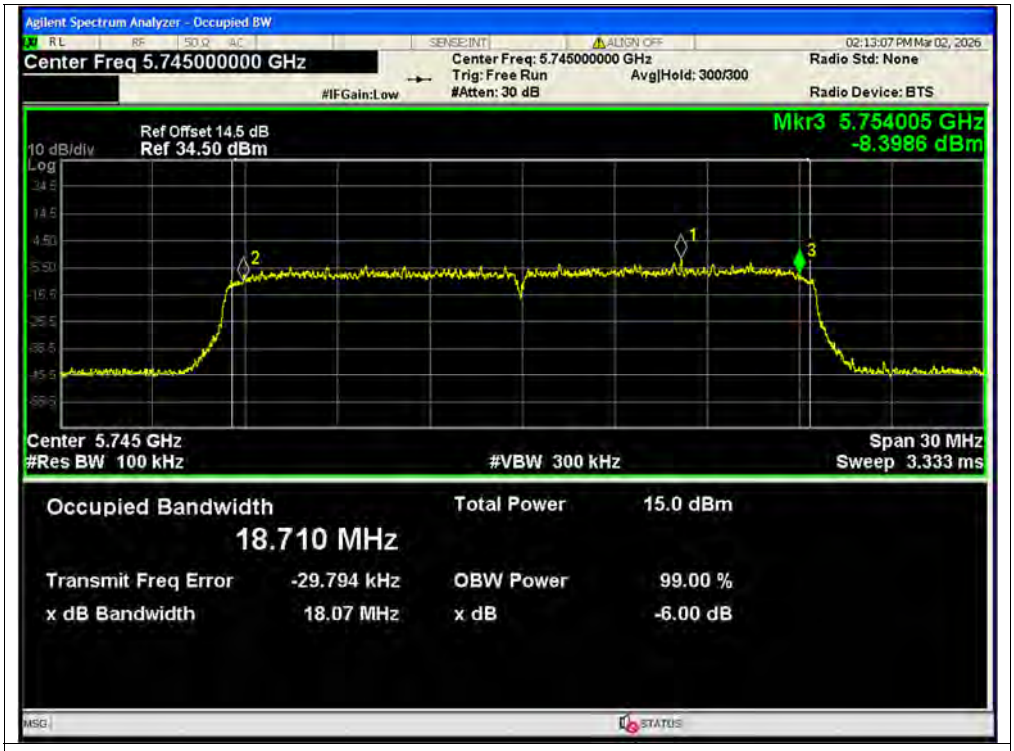
-6dB Bandwidth NVNT ax20 5745MHz Ant2 SISO



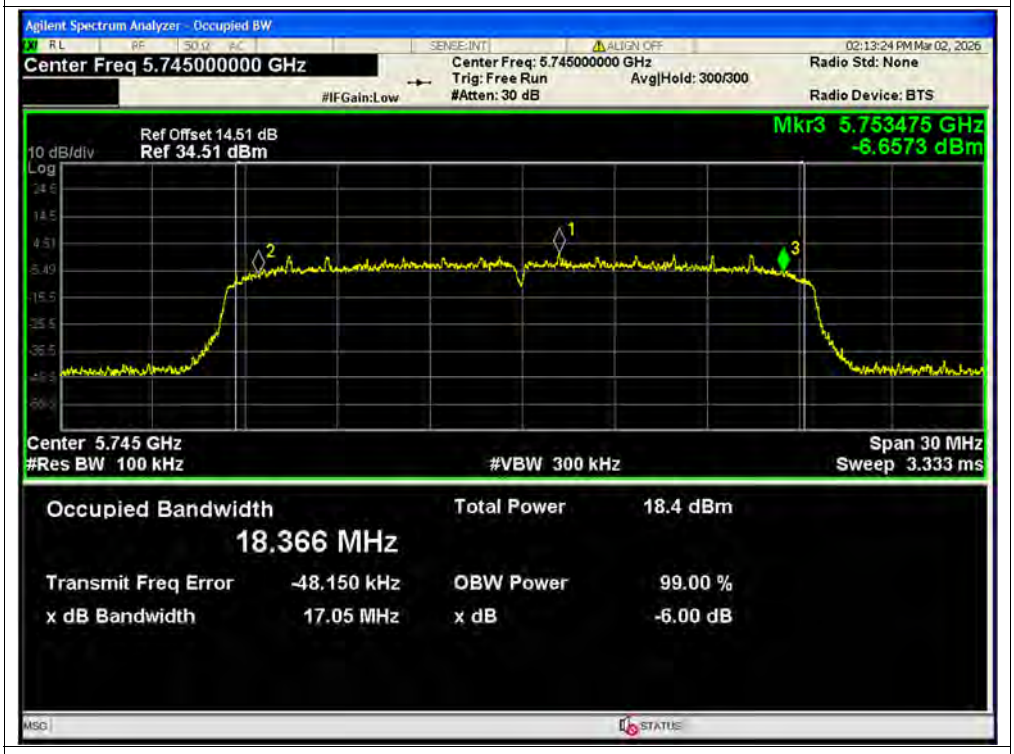
-6dB Bandwidth NVNT ax20 5785MHz Ant2 SISO



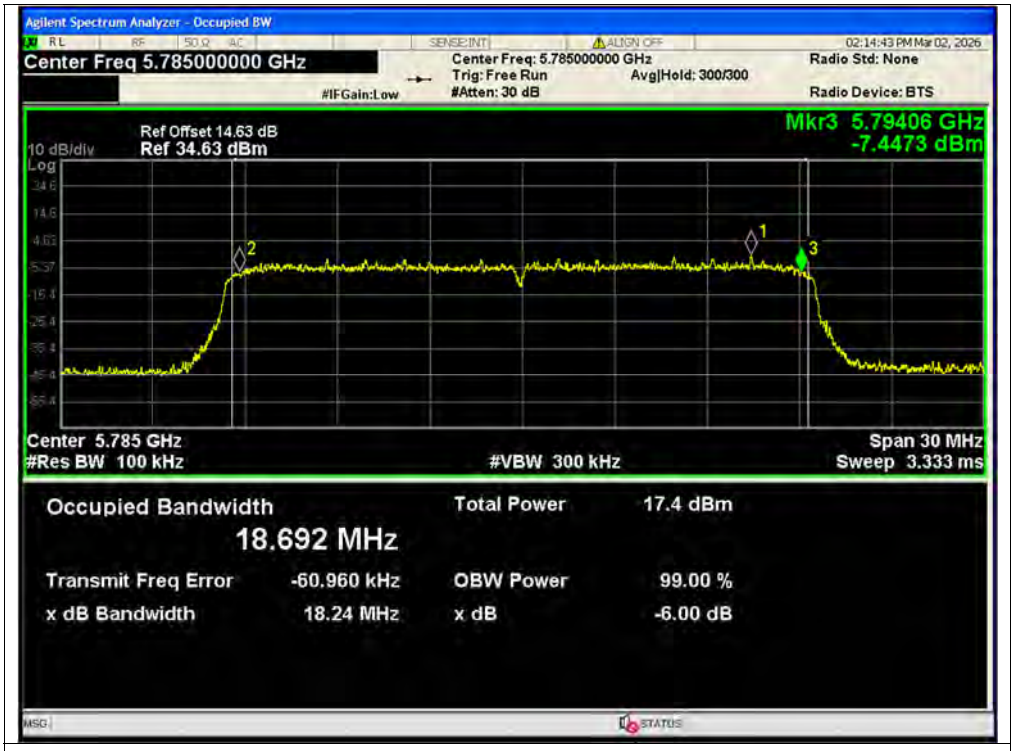
-6dB Bandwidth NVNT ax20 5825MHz Ant2 SISO



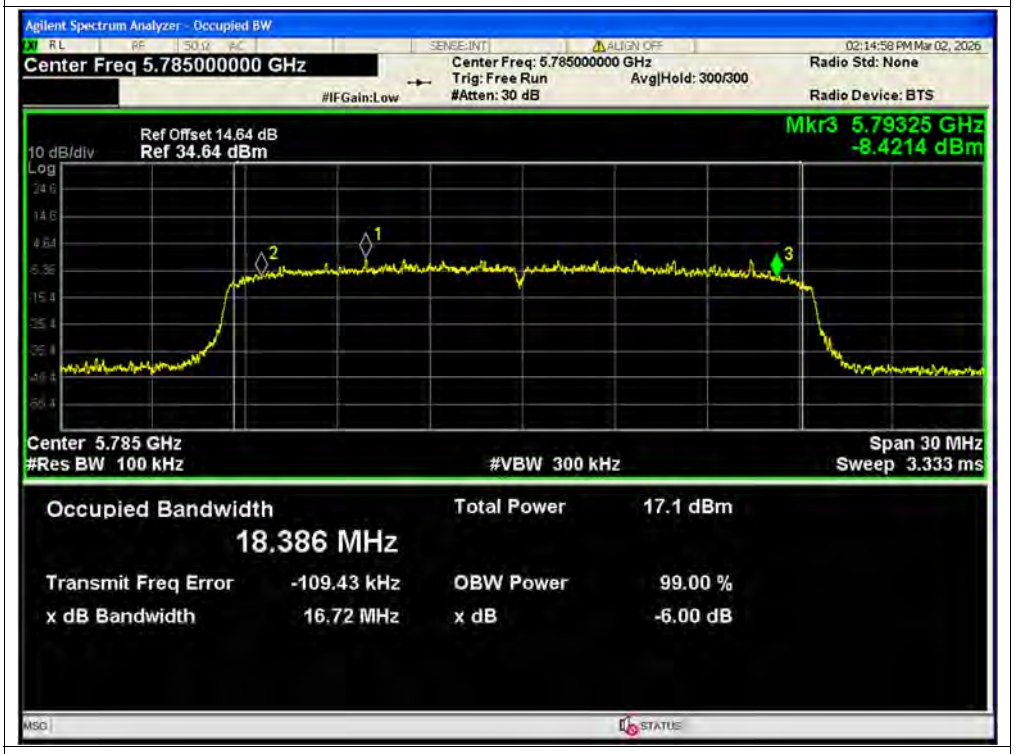
-6dB Bandwidth NVNT ax20 5745MHz Ant1 MIMO



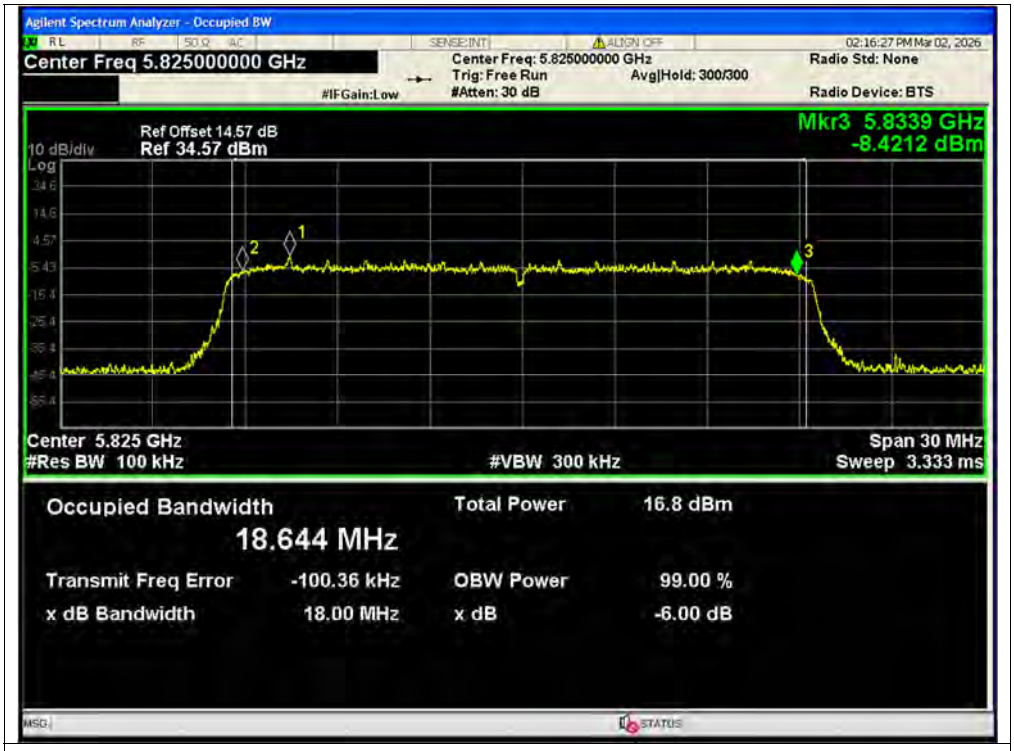
-6dB Bandwidth NVNT ax20 5745MHz Ant2 MIMO



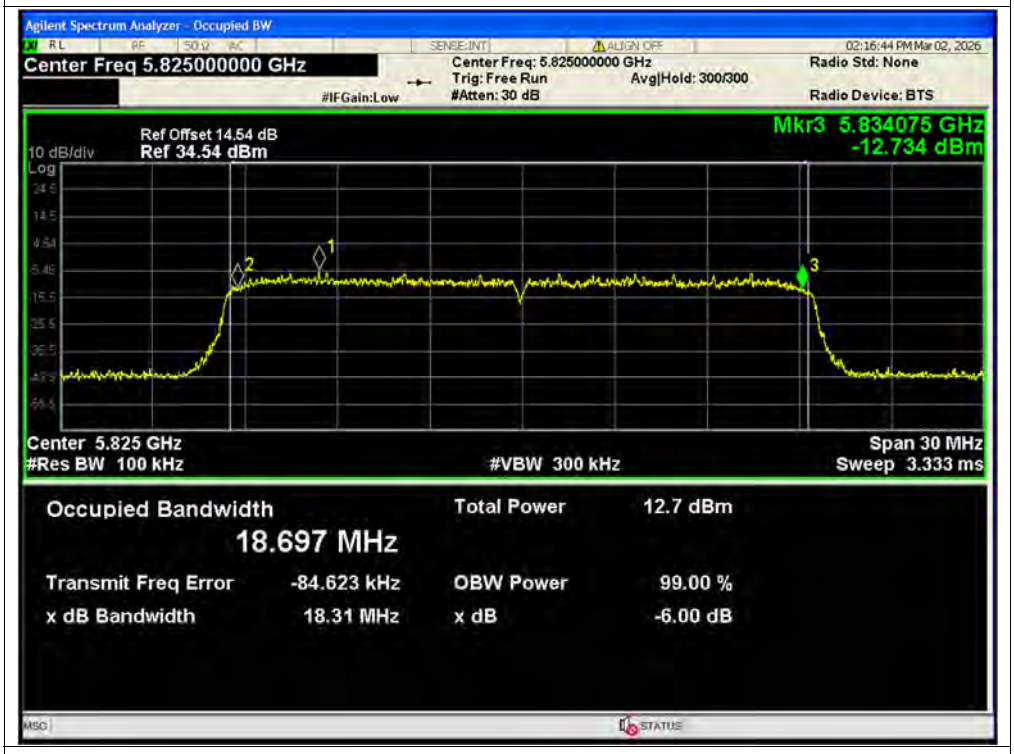
-6dB Bandwidth NVNT ax20 5785MHz Ant1 MIMO



-6dB Bandwidth NVNT ax20 5785MHz Ant2 MIMO



-6dB Bandwidth NVNT ax20 5825MHz Ant1 MIMO



-6dB Bandwidth NVNT ax20 5825MHz Ant2 MIMO