



REPORT No.: SZ24050224W02

TEST REPORT

APPLICANT : Horizon Powered USA Inc.

PRODUCT NAME : 5G Wi-Fi6 AX5400 CPE

MODEL NAME : HZ51

BRAND NAME : Horizon

FCC ID : 2BE94HZ51

STANDARD(S) : 47 CFR Part 15 Subpart E

RECEIPT DATE : 2024-06-28

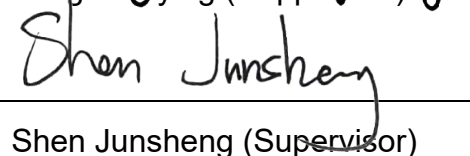
TEST DATE : 2024-09-18 to 2024-10-25

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Change History		
Version	Date	Reason for change
1.0	2024-11-01	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	Sep. 12, 2024 Oct. 11, 2024	Lin Haoyang	PASS	No deviation
3	15.407(a)	Maximum Conducted Output Power	Sep. 12, 2024 Oct. 11, 2024	Lin Haoyang	PASS	No deviation
4	15.407(a)(e)	Emission Bandwidth	Sep. 11, 2024 Oct. 08, 2024	Lin Haoyang	PASS	No deviation
5	15.407(a)	Peak Power Spectral Density	Oct. 08&22, 2024	Lin Haoyang	PASS	No deviation
6	15.407(g)	Frequency Stability	Oct. 25, 2024	Lin Haoyang	PASS	No deviation
7	15.407(h)	DFS	Oct. 25, 2024	Lin Haoyang	PASS	No deviation
8	15.207	Conducted Emission	Sep. 10, 2024	Fan Shengquan	PASS	No deviation
9	15.407(b)	Restricted Frequency Bands	Sep. 12, 2024 Oct. 25, 2024	Gao Jianrou	PASS	No deviation
10	15.407(b)	Radiated Emission	Sep. 14, 2024 Oct. 17, 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	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY5347083 6	N9010A	Agilent	2024.02.19	2025.02.18
Power Sensor	MY5418000 8	U2021XA	Agilent	2024.09.11	2025.09.10
Temperature Chamber	12108015	DTL-003S101	YOMA	2024.09.11	2025.09.10
RF Cable (30MHz-26GHz)	CB01	RF01	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	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Receiver	MY56400093	N9038A	KEYSIGHT	2024.01.25	2025.01.24
LISN	8127449	NSLK 8127	Schwarzbeck	2024.02.02	2025.02.01
Pulse Limiter (10dB)	VTSD 9561 F-B #206	VTSD 9561-F	Schwarzbeck	2024.05.30	2025.05.29
RF Coaxial Cable (DC-100MHz)	BNC	MRE04	Qualwave	2024.07.02	2025.07.01

1.2.3 List of Software Used

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

**1.2.4 Radiated Test Equipment**

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2024.05.30	2025.05.29
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2024.06.03	2025.06.02
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2024.06.22	2025.06.21
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2024.07.03	2025.07.02
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	$\pm 2.22\text{dB}$	Confidence levels of 95%
Power Spectral Density	$\pm 2.22\text{dB}$	Confidence levels of 95%
Bandwidth	$\pm 5\%$	Confidence levels of 95%
Restricted Frequency Bands	$\pm 5\%$	Confidence levels of 95%
Radiated Emission	$\pm 2.95\text{dB}$	Confidence levels of 95%
Conducted Emission	$\pm 2.44\text{dB}$	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
Telephone	+86 755 36698555
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	Horizon Powered USA Inc.
Applicant Address	8350 NW 52nd Terrace, Suite 301 Miami, Florida 33166 United States
Manufacturer	Horizon Powered USA Inc.
Manufacturer Address	8350 NW 52nd Terrace, Suite 301 Miami, Florida 33166 United States

2.2. Information of EUT

Product Name:	5G Wi-Fi6 AX5400 CPE	
Sample No.:	1#	
Hardware Version:	V10C	
Software Version:	V1.0.1	
Modulation Technology:	OFDM, OFDMA	
Modulation Mode:	802.11a, 802.11n (HT20), 802.11n (HT40) 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80), 802.11ac (VHT160) 802.11ax (HEW20), 802.11ax (HEW40), 802.11ax (HEW80), 802.11ax (HEW160)	
Operating Frequency Range:	5180MHz-5240MHz; 5260MHz-5320MHz; 5500MHz-5720MHz; 5745MHz-5825MHz	
DFS Function:	☐ Slave without radar detection ☐ Slave with radar detection ☒ Master	
Antenna Type:	PCB Antenna	
Antenna Gain:	ANT1: 2.51dBi; ANT2: 2.66dBi; ANT3: 2.22dBi; ANT4: 3.31dBi	
Directional Gain:	8.70 _{Note 2}	
Accessory Information:	AC Adapter	
	Brand Name:	N/A
	Model No.:	KA36B-1203000US



	Serial No.:	N/A
	Rated Output:	12V $\pm$ 3A
	Rated Input:	100-240V $\sim$ 50/60Hz, 1A
	Manufacturer:	Shenzhen Keyu Power Supply Technology Co., Ltd.

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

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

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

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

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

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

2.3.Channel List of EUT

(U-NII-1) 5180MHz-5240MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	36	5180	40	5200
	44	5220	48	5240
40MHz	38	5190	46	5230
80MHz	42	5210		
(U-NII-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		
160MHz	40	5250		
(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		
160MHz	114	5570		
(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	RU Size
802.11a	20	OFDM	BPSK	6/9/12/18/24/36/48/54Mbps	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 (VHT20/40/80/160)	OFDM	BPSK	MCS0~MCS9	N/A
			QPSK		
			16QAM		
			64QAM		
			256QAM		
802.11ax	20/40/80/160 (HEW20/40/80/160)	OFDM/ OFDMA	BPSK	MCS0~MCS11	26/52/106/ 242/484
			QPSK		
			16QAM		
			64QAM		
			256QAM		
			1024QAM		

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

Note2: 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.



2.4.2.802.11ax/be RU Allocation

Bandwidth (MHz)	RU Size			User	RU Offset
	Full (Tone)	Partial			
		(Tone)	Bandwidth (MHz)		
20	242	26	2	9	@0/1/2/3/4/5/6/7/8
		52	4	4	@37/38/39/40
		106	8	2	@53/54
		242	20	1	@61
40	484	26	2	18	@0/1/2.....15/16/17
		52	4	8	@37/38/39/40/41/42/43/44
		106	8	4	@53/54/55/56
		242	20	2	@61/62
		484	40	1	@65
80	996	26	2	37	@0/1/2.....35/36
		52	4	16	@37/38/39.....50/51/52
		106	8	8	@53/54/55/56/57/58/59/60
		242	20	4	@61/62/63/64
		484	40	2	@65/66
		996	80	1	@67
160	996x2	26	2	74	@0/1/2.....35/36 S0/S1.....S35/S36
		52	4	32	@37/38/39.....50/51/52 S37/S38.....S51/S52
		106	8	16	@53/54/55/56/57/58/59/60 S53//S54.....S59/S60
		242	20	8	@61/62/63/64 S61/S62/S63/S64
		484	40	4	@65/66/S65/S66
		996	80	2	@67/S67
		996x2	160	1	@S68



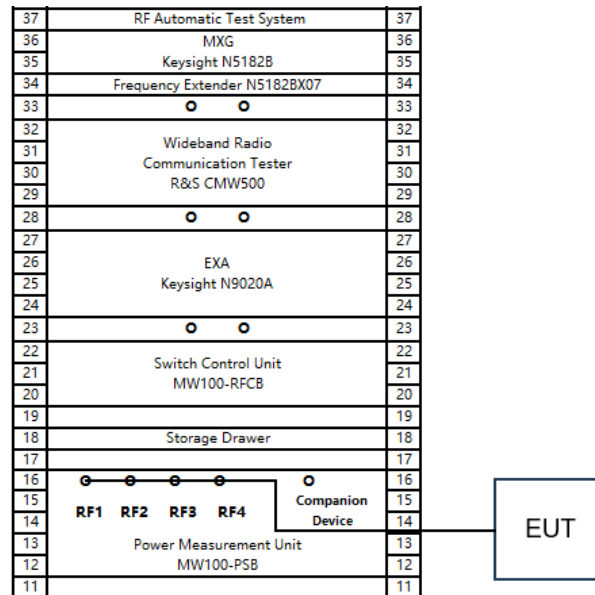
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2.5. Test Conditions

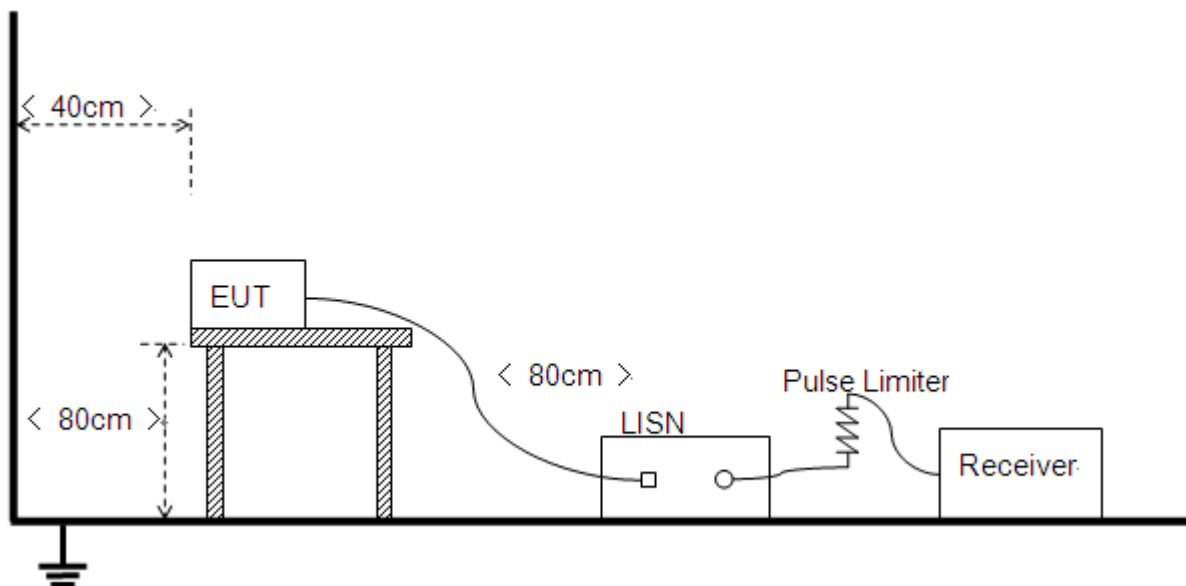
Temperature (°C)	15–35
Relative Humidity (%)	30–60
Atmospheric Pressure (kPa)	86–106

2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

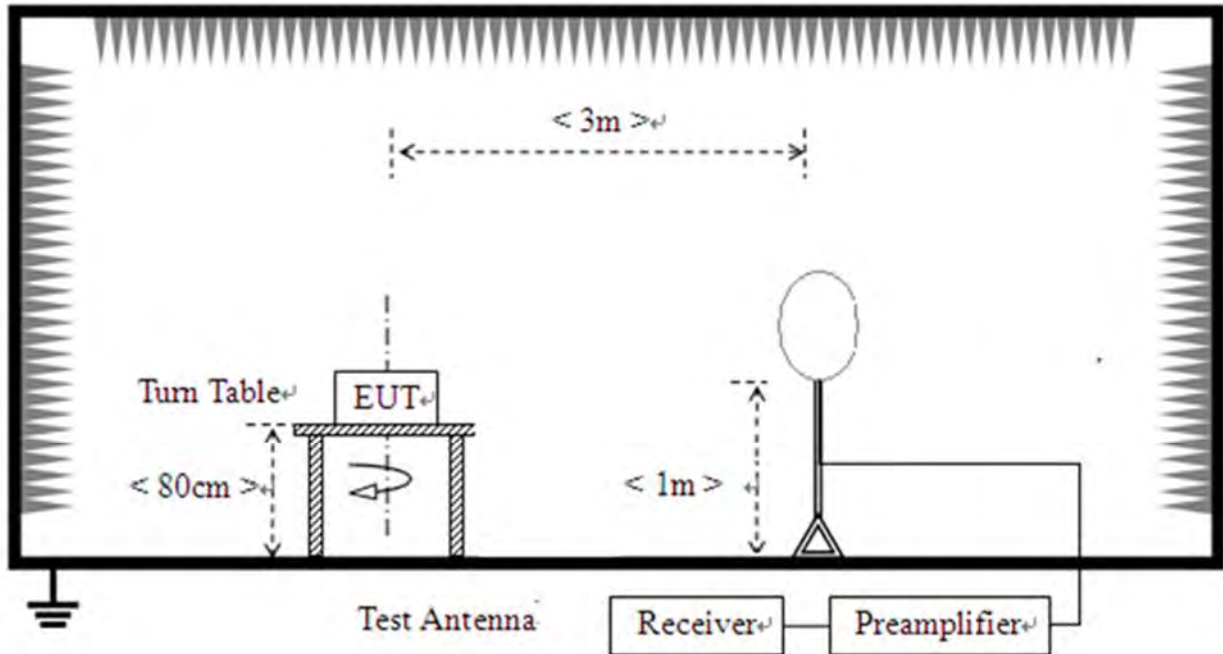


2.6.2. Conducted Emission Measurement

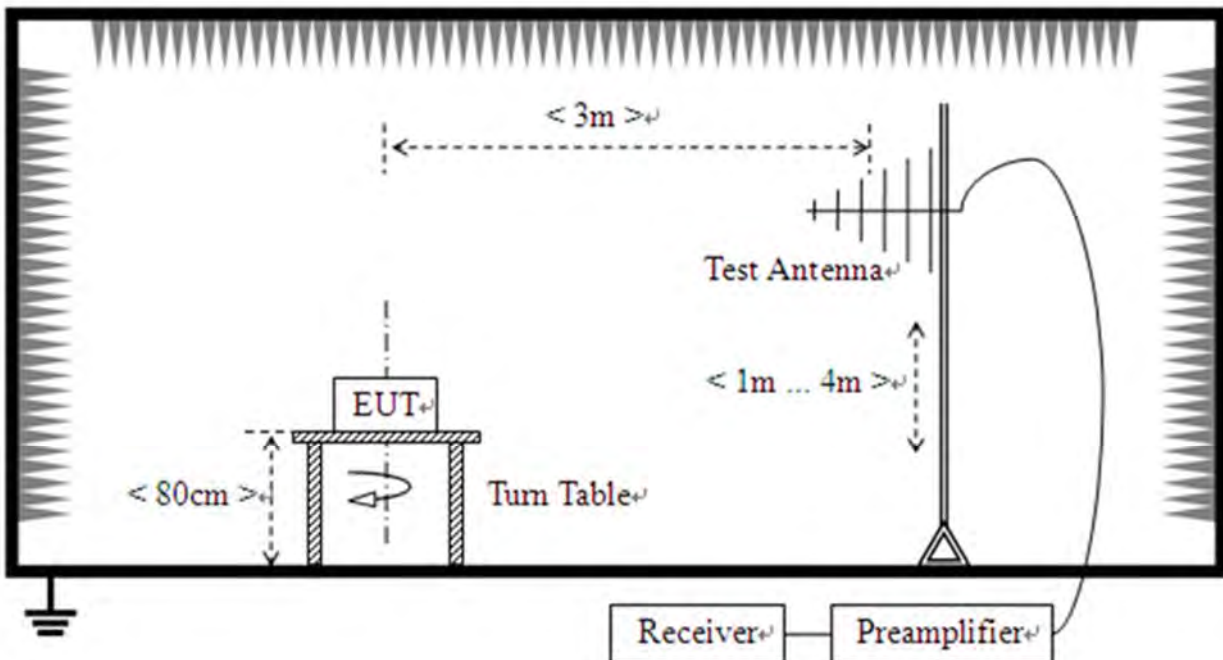


2.6.3.Radiation Measurement

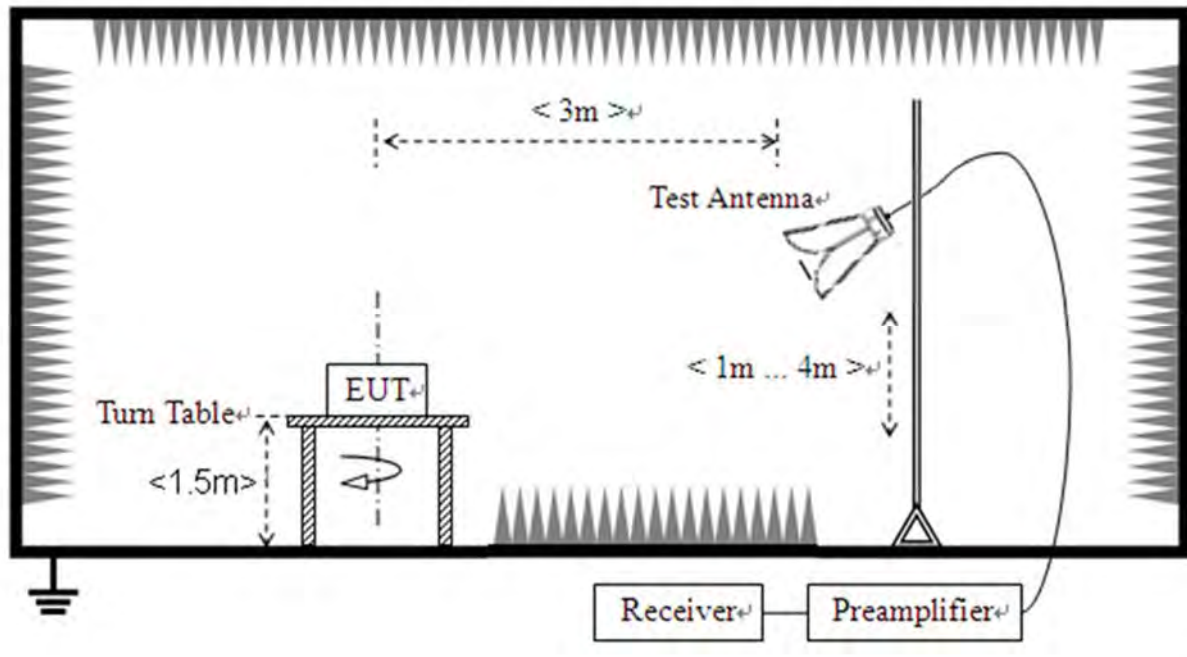
1) For radiated emissions from 9kHz to 30MHz



2) For radiated emissions from 30MHz to 1GHz



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 Antenna ☐ Fixed Internal Antenna	☒ I-PEX Connector ☐ SMA Connector ☐ RP-SMA Connector ☐ Metal Shrapnel



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 $\pm 2\%$; 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 $11\text{dBm} + 10 \log B$, 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 KDB662911D01 Measure-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 = $G_{\text{ANT}} + 10\log(N_{\text{ANT}})\text{dBi}$, where G_{ANT} is the antenna gain in dBi, N_{ANT} is the number of outputs.

3.3.2. Test Procedures

Based on method PM-G in Section II.E.3.b) of KDB 789033 D02.

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 the band 5.715-5.85 GHz. The following procedure shall be used for measuring this bandwidth:

 - a) Set RBW = 100 kHz.
 - b) Set video bandwidth (VBW) $\geq 3 \times$ 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.



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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 KDB662911D01 Measure-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 = $G_{ANT} + 10\log(N_{ANT})$ 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 $\geq$ 3MHz
 - 3) Number of points in sweep $\geq$ 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°C to 40°C. The temperature was incremented by 10° 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

- 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.
- 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.
- 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.
- 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).
- 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.
- 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 $\geq$ 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.

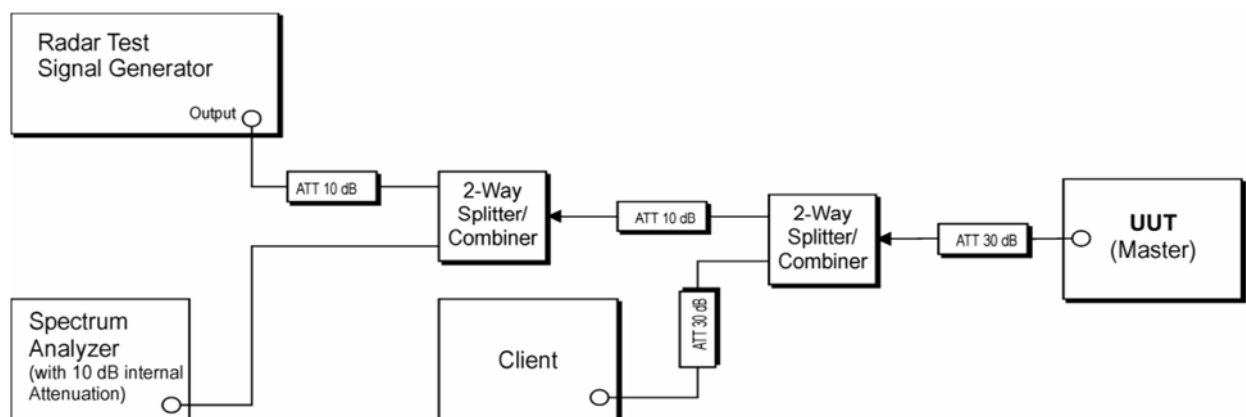
Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The 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

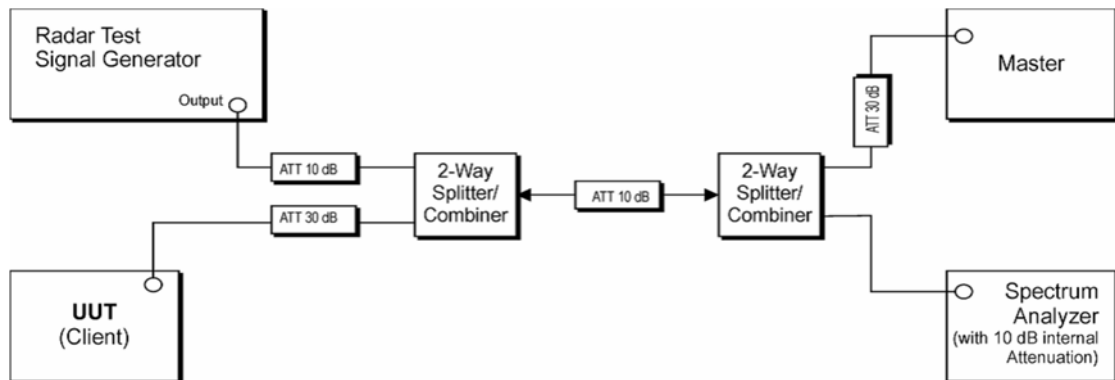
According to Section 7.2 of KDB 905462 D02 V01R01

1. Setup for Master with injection at the Master



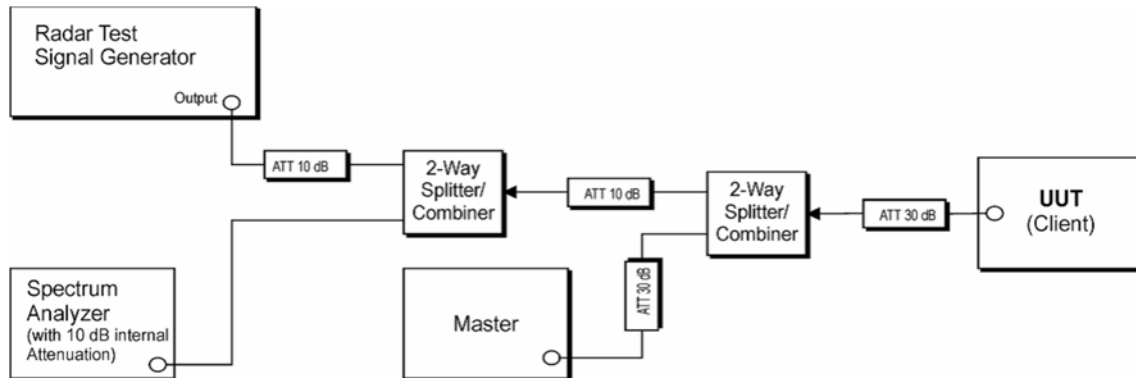
(Example Conducted Setup where UUT is a Master and Radar Test Waveforms are injected into the Master)

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

Android Phone

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 50 μ H/50 Ω line impedance stabilization network (LISN).

Frequency Range (MHz)	Conducted Limit (dB μ V)	
	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);

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

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 ($\mu\text{V/m}$)	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);

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

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	94.29	0.26	0.51
NVNT	a SISO	5200	Ant1	91.67	0.38	0.51
NVNT	a SISO	5240	Ant1	91.63	0.38	0.51
NVNT	a SISO	5260	Ant1	93.4	0.3	0.51
NVNT	a SISO	5280	Ant1	96.59	0.15	0.51
NVNT	a SISO	5320	Ant1	93.81	0.28	0.51
NVNT	a SISO	5500	Ant1	96.57	0.15	0.51
NVNT	a SISO	5600	Ant1	96.59	0.15	0.51
NVNT	a SISO	5720	Ant1	94.29	0.26	0.51
NVNT	a SISO	5745	Ant1	93.4	0.3	0.51
NVNT	a SISO	5785	Ant1	96.12	0.17	0.51
NVNT	a SISO	5825	Ant1	95.63	0.19	0.51
NVNT	a SISO	5180	Ant2	95.63	0.19	0.51
NVNT	a SISO	5200	Ant2	96.59	0.15	0.51
NVNT	a SISO	5240	Ant2	93.36	0.3	0.51
NVNT	a SISO	5260	Ant2	94.29	0.26	0.51
NVNT	a SISO	5280	Ant2	92.09	0.36	0.51
NVNT	a SISO	5320	Ant2	95.65	0.19	0.51
NVNT	a SISO	5500	Ant2	95.65	0.19	0.51
NVNT	a SISO	5600	Ant2	92.06	0.36	0.51
NVNT	a SISO	5720	Ant2	97.06	0.13	0.51
NVNT	a SISO	5745	Ant2	92.96	0.32	0.51
NVNT	a SISO	5785	Ant2	96.1	0.17	0.51
NVNT	a SISO	5825	Ant2	97.06	0.13	0.51
NVNT	a SISO	5180	Ant3	96.57	0.15	0.51
NVNT	a SISO	5200	Ant3	89.19	0.5	0.51
NVNT	a SISO	5240	Ant3	92.09	0.36	0.51
NVNT	a SISO	5260	Ant3	95.65	0.19	0.51
NVNT	a SISO	5280	Ant3	92.92	0.32	0.51
NVNT	a SISO	5320	Ant3	91.2	0.4	0.51
NVNT	a SISO	5500	Ant3	93.4	0.3	0.51
NVNT	a SISO	5600	Ant3	94.74	0.23	0.51



NVNT	a SISO	5745	Ant3	92.52	0.34	0.51
NVNT	a SISO	5785	Ant3	96.57	0.15	0.51
NVNT	a SISO	5825	Ant3	93.36	0.3	0.51
NVNT	a SISO	5180	Ant4	92.52	0.34	0.51
NVNT	a SISO	5200	Ant4	95.63	0.19	0.51
NVNT	a SISO	5240	Ant4	92.09	0.36	0.51
NVNT	a SISO	5260	Ant4	97.04	0.13	0.51
NVNT	a SISO	5280	Ant4	92.92	0.32	0.51
NVNT	a SISO	5320	Ant4	96.59	0.15	0.51
NVNT	a SISO	5500	Ant4	92.09	0.36	0.51
NVNT	a SISO	5600	Ant4	93.84	0.28	0.51
NVNT	a SISO	5745	Ant4	91.63	0.38	0.51
NVNT	a SISO	5785	Ant4	96.12	0.17	0.51
NVNT	a SISO	5825	Ant4	94.29	0.26	0.51
NVNT	n20 MIMO	5180	Sum	98.8	0.05	0
NVNT	n20 MIMO	5200	Sum	98.4	0.07	0
NVNT	n20 MIMO	5240	Sum	98.36	0.07	0.19
NVNT	n20 MIMO	5260	Sum	98.36	0.07	0.19
NVNT	n20 MIMO	5280	Sum	99.4	0.03	0
NVNT	n20 MIMO	5320	Sum	98.9	0.05	0.19
NVNT	n20 MIMO	5500	Sum	98.36	0.07	0.19
NVNT	n20 MIMO	5600	Sum	98.36	0.07	0.19
NVNT	n20 MIMO	5745	Sum	98.8	0.05	0
NVNT	n20 MIMO	5785	Sum	98.54	0.06	0.19
NVNT	n20 MIMO	5825	Sum	98.36	0.07	0.19
NVNT	n40 MIMO	5190	Sum	98.59	0.06	0.2
NVNT	n40 MIMO	5230	Sum	97.42	0.11	0.2
NVNT	n40 MIMO	5270	Sum	98.39	0.07	0.2
NVNT	n40 MIMO	5310	Sum	98.59	0.06	0.2
NVNT	n40 MIMO	5510	Sum	98.39	0.07	0.2
NVNT	n40 MIMO	5590	Sum	97.22	0.12	0.2
NVNT	n40 MIMO	5710	Sum	98.79	0.05	0.2
NVNT	n40 MIMO	5755	Sum	98.59	0.06	0.2
NVNT	n40 MIMO	5795	Sum	97.6	0.11	0.2
NVNT	ac20 MIMO	5180	Sum	98.6	0.06	0
NVNT	ac20 MIMO	5200	Sum	98.18	0.08	0.19
NVNT	ac20 MIMO	5240	Sum	99	0.04	0
NVNT	ac20 MIMO	5260	Sum	98.8	0.05	0



NVNT	ac20 MIMO	5280	Sum	98.54	0.06	0.19
NVNT	ac20 MIMO	5320	Sum	98.18	0.08	0.19
NVNT	ac20 MIMO	5500	Sum	96.77	0.14	0.19
NVNT	ac20 MIMO	5600	Sum	98.72	0.06	0.19
NVNT	ac20 MIMO	5745	Sum	97.3	0.12	0.19
NVNT	ac20 MIMO	5785	Sum	98.8	0.05	0
NVNT	ac20 MIMO	5825	Sum	98.54	0.06	0.19
NVNT	ac40 MIMO	5190	Sum	95.33	0.21	0.2
NVNT	ac40 MIMO	5230	Sum	98	0.09	0.2
NVNT	ac40 MIMO	5270	Sum	96.83	0.14	0.2
NVNT	ac40 MIMO	5310	Sum	98.19	0.08	0.2
NVNT	ac40 MIMO	5510	Sum	97.03	0.13	0.2
NVNT	ac40 MIMO	5590	Sum	97.03	0.13	0.2
NVNT	ac40 MIMO	5710	Sum	96.84	0.14	0.2
NVNT	ac40 MIMO	5755	Sum	97.03	0.13	0.2
NVNT	ac40 MIMO	5795	Sum	97.22	0.12	0.2
NVNT	ac80 MIMO	5210	Sum	95.8	0.19	0.44
NVNT	ac80 MIMO	5290	Sum	94.24	0.26	0.44
NVNT	ac80 MIMO	5530	Sum	96.62	0.15	0.44
NVNT	ac80 MIMO	5610	Sum	96.62	0.15	0.44
NVNT	ac80 MIMO	5690	Sum	95	0.22	0.44
NVNT	ac80 MIMO	5775	Sum	96.2	0.17	0.44
NVNT	ac160 MIMO	5250	Sum	96.4	0.16	0.47
NVNT	ac160 MIMO	5570	Sum	92.21	0.35	0.47
NVNT	ax20 MIMO	5180	Sum	97.31	0.12	0.18
NVNT	ax20 MIMO	5200	Sum	98.72	0.06	0.18
NVNT	ax20 MIMO	5240	Sum	97.66	0.1	0.18
NVNT	ax20 MIMO	5260	Sum	96.79	0.14	0.18
NVNT	ax20 MIMO	5280	Sum	98.91	0.05	0.18
NVNT	ax20 MIMO	5320	Sum	96.79	0.14	0.18
NVNT	ax20 MIMO	5500	Sum	98.91	0.05	0.18
NVNT	ax20 MIMO	5600	Sum	97.13	0.13	0.18
NVNT	ax20 MIMO	5745	Sum	97.31	0.12	0.18
NVNT	ax20 MIMO	5785	Sum	97.31	0.12	0.18
NVNT	ax20 MIMO	5825	Sum	97.83	0.1	0.18
NVNT	ax40 MIMO	5190	Sum	97.23	0.12	0.26
NVNT	ax40 MIMO	5230	Sum	97.97	0.09	0.26
NVNT	ax40 MIMO	5270	Sum	97.97	0.09	0.26



NVNT	ax40 MIMO	5310	Sum	96.03	0.18	0.26
NVNT	ax40 MIMO	5510	Sum	96.26	0.17	0.26
NVNT	ax40 MIMO	5590	Sum	97.73	0.1	0.26
NVNT	ax40 MIMO	5710	Sum	97.97	0.09	0.26
NVNT	ax40 MIMO	5755	Sum	95.56	0.2	0.26
NVNT	ax40 MIMO	5795	Sum	98.22	0.08	0.26
NVNT	ax80 MIMO	5210	Sum	94.04	0.27	0.45
NVNT	ax80 MIMO	5290	Sum	94.87	0.23	0.45
NVNT	ax80 MIMO	5530	Sum	95.28	0.21	0.45
NVNT	ax80 MIMO	5610	Sum	94.07	0.27	0.45
NVNT	ax80 MIMO	5690	Sum	94.47	0.25	0.45
NVNT	ax80 MIMO	5775	Sum	93.28	0.3	0.45
NVNT	ax160 MIMO	5250	Sum	94.71	0.24	0.47
NVNT	ax160 MIMO	5570	Sum	93.89	0.27	0.47
NVNT	ax20 52@37 MIMO	5180	Sum	91.55	0.38	0.3
NVNT	ax20 52@37 MIMO	5200	Sum	92.31	0.35	0.3
NVNT	ax20 52@37 MIMO	5240	Sum	92.31	0.35	0.3
NVNT	ax20 52@37 MIMO	5260	Sum	92.31	0.35	0.3
NVNT	ax20 52@37 MIMO	5280	Sum	94.5	0.25	0.2
NVNT	ax20 52@37 MIMO	5320	Sum	94.49	0.25	0.2
NVNT	ax20 52@37 MIMO	5500	Sum	94.86	0.23	0.2
NVNT	ax20 52@37 MIMO	5600	Sum	93.95	0.27	0.2
NVNT	ax20 52@37 MIMO	5720	Sum	94.49	0.25	0.2
NVNT	ax20 52@37 MIMO	5745	Sum	91.53	0.38	0.3
NVNT	ax20 52@37 MIMO	5785	Sum	91.3	0.4	0.3
NVNT	ax20 52@37 MIMO	5825	Sum	91.8	0.37	0.3
NVNT	ax20 106@53	5180	Sum	88.64	0.52	0.37



	MIMO					
NVNT	ax20 106@53 MIMO	5200	Sum	93.42	0.3	0.2
NVNT	ax20 106@53 MIMO	5240	Sum	93.25	0.3	0.2
NVNT	ax20 106@53 MIMO	5260	Sum	93.25	0.3	0.2
NVNT	ax20 106@53 MIMO	5280	Sum	93.42	0.3	0.2
NVNT	ax20 106@53 MIMO	5320	Sum	90.4	0.44	0.37
NVNT	ax20 106@53 MIMO	5500	Sum	93.42	0.3	0.2
NVNT	ax20 106@53 MIMO	5600	Sum	90.4	0.44	0.37
NVNT	ax20 106@53 MIMO	5720	Sum	93.25	0.3	0.2
NVNT	ax20 106@53 MIMO	5745	Sum	92.38	0.34	0.2
NVNT	ax20 106@53 MIMO	5785	Sum	92.55	0.34	0.2
NVNT	ax20 106@53 MIMO	5825	Sum	93.26	0.3	0.2
NVNT	ax40 52@37 MIMO	5190	Sum	95.39	0.2	0.2
NVNT	ax40 52@37 MIMO	5270	Sum	95.21	0.21	0.2
NVNT	ax40 52@37 MIMO	5510	Sum	95.21	0.21	0.2
NVNT	ax40 52@37 MIMO	5755	Sum	95.22	0.21	0.2
NVNT	ax40 106@53 MIMO	5190	Sum	93.79	0.28	0.2
NVNT	ax40 106@53 MIMO	5230	Sum	80	0.97	0.71
NVNT	ax40 106@53 MIMO	5270	Sum	94.13	0.26	0.2
NVNT	ax40 106@53 MIMO	5310	Sum	94.13	0.26	0.2



NVNT	ax40 106@53 MIMO	5510	Sum	94.49	0.25	0.2
NVNT	ax40 106@53 MIMO	5755	Sum	93.95	0.27	0.2
NVNT	ax40 242@61 MIMO	5190	Sum	93.77	0.28	0.2
NVNT	ax40 242@61 MIMO	5230	Sum	93.58	0.29	0.2
NVNT	ax40 242@61 MIMO	5270	Sum	93.58	0.29	0.2
NVNT	ax40 242@61 MIMO	5310	Sum	93.76	0.28	0.2
NVNT	ax40 242@61 MIMO	5510	Sum	93.77	0.28	0.2
NVNT	ax40 242@61 MIMO	5590	Sum	93.93	0.27	0.2
NVNT	ax40 242@61 MIMO	5710	Sum	93.58	0.29	0.2
NVNT	ax40 242@61 MIMO	5755	Sum	93.57	0.29	0.2
NVNT	ax40 242@61 MIMO	5795	Sum	93.76	0.28	0.2
NVNT	ax80 52@37 MIMO	5210	Sum	95.23	0.21	0.2
NVNT	ax80 52@37 MIMO	5290	Sum	95.24	0.21	0.2
NVNT	ax80 52@37 MIMO	5530	Sum	95.42	0.2	0.2
NVNT	ax80 52@37 MIMO	5775	Sum	95.05	0.22	0.2
NVNT	ax80 106@53 MIMO	5210	Sum	97.2	0.12	0
NVNT	ax80 106@53 MIMO	5290	Sum	94.16	0.26	0.2
NVNT	ax80 106@53 MIMO	5530	Sum	93.98	0.27	0.2
NVNT	ax80 106@53 MIMO	5775	Sum	94.34	0.25	0.2
NVNT	ax80 242@61	5210	Sum	93.8	0.28	0.2



	MIMO					
NVNT	ax80 242@61 MIMO	5290	Sum	93.27	0.3	0.2
NVNT	ax80 242@61 MIMO	5530	Sum	93.28	0.3	0.2
NVNT	ax80 242@61 MIMO	5775	Sum	93.1	0.31	0.2
NVNT	ax80 484@65 MIMO	5210	Sum	66.19	1.79	1.09
NVNT	ax80 484@65 MIMO	5290	Sum	47.93	3.19	1.72
NVNT	ax80 484@65 MIMO	5530	Sum	49.17	3.08	1.69
NVNT	ax80 484@65 MIMO	5775	Sum	70.73	1.5	1.72
NVNT	ax160 52@74 MIMO	5250	Sum	95.42	0.2	0.2
NVNT	ax160 52@74 MIMO	5570	Sum	95.42	0.2	0.2
NVNT	ax160 106@106 MIMO	5250	Sum	94.34	0.25	0.2
NVNT	ax160 106@106 MIMO	5570	Sum	94.34	0.25	0.2
NVNT	ax160 242@122 MIMO	5250	Sum	93.11	0.31	0.2
NVNT	ax160 242@122 MIMO	5570	Sum	93.45	0.29	0.2
NVNT	ax160 966@134 MIMO	5250	Sum	93.56	0.29	0.2
NVNT	ax160 966@134 MIMO	5570	Sum	93.22	0.3	0.2

**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	16.25	0.04217	30	Pass
NVNT	a SISO	5200	Ant1	16.09	0.04064	30	Pass
NVNT	a SISO	5240	Ant1	15.98	0.03963	30	Pass
NVNT	a SISO	5260	Ant1	17.11	0.0514	24	Pass
NVNT	a SISO	5280	Ant1	16.79	0.04775	24	Pass
NVNT	a SISO	5320	Ant1	16.34	0.04305	24	Pass
NVNT	a SISO	5500	Ant1	15.47	0.03524	24	Pass
NVNT	a SISO	5600	Ant1	15.98	0.03963	24	Pass
NVNT	a SISO	5720	Ant1	15.15	0.03273	24	Pass
NVNT	a SISO	5745	Ant1	15.23	0.03334	30	Pass
NVNT	a SISO	5785	Ant1	14.97	0.03141	30	Pass
NVNT	a SISO	5825	Ant1	15.06	0.03206	30	Pass
NVNT	a SISO	5180	Ant2	17.44	0.05546	30	Pass
NVNT	a SISO	5200	Ant2	17.45	0.05559	30	Pass
NVNT	a SISO	5240	Ant2	17.94	0.06223	30	Pass
NVNT	a SISO	5260	Ant2	17.41	0.05508	24	Pass
NVNT	a SISO	5280	Ant2	17.56	0.05702	24	Pass
NVNT	a SISO	5320	Ant2	17.07	0.05093	24	Pass
NVNT	a SISO	5500	Ant2	17.08	0.05105	24	Pass
NVNT	a SISO	5600	Ant2	17.76	0.0597	24	Pass
NVNT	a SISO	5720	Ant2	16.46	0.04426	24	Pass
NVNT	a SISO	5745	Ant2	16.64	0.04613	30	Pass
NVNT	a SISO	5785	Ant2	16.27	0.04236	30	Pass
NVNT	a SISO	5825	Ant2	16.06	0.04036	30	Pass
NVNT	a SISO	5180	Ant3	16.92	0.0492	30	Pass
NVNT	a SISO	5200	Ant3	16.74	0.04721	30	Pass
NVNT	a SISO	5240	Ant3	17.03	0.05047	30	Pass
NVNT	a SISO	5260	Ant3	16.21	0.04178	24	Pass
NVNT	a SISO	5280	Ant3	16.15	0.04121	24	Pass
NVNT	a SISO	5320	Ant3	16	0.03981	24	Pass
NVNT	a SISO	5500	Ant3	15.96	0.03945	24	Pass
NVNT	a SISO	5600	Ant3	16.49	0.04457	24	Pass
NVNT	a SISO	5745	Ant3	15.76	0.03767	30	Pass



NVNT	a SISO	5785	Ant3	15.22	0.03327	30	Pass
NVNT	a SISO	5825	Ant3	14.88	0.03076	30	Pass
NVNT	a SISO	5180	Ant4	17.15	0.05188	30	Pass
NVNT	a SISO	5200	Ant4	16.71	0.04688	30	Pass
NVNT	a SISO	5240	Ant4	16.12	0.04093	30	Pass
NVNT	a SISO	5260	Ant4	17.22	0.05272	24	Pass
NVNT	a SISO	5280	Ant4	17.17	0.05212	24	Pass
NVNT	a SISO	5320	Ant4	16.98	0.04989	24	Pass
NVNT	a SISO	5500	Ant4	16.35	0.04315	24	Pass
NVNT	a SISO	5600	Ant4	16.5	0.04467	24	Pass
NVNT	a SISO	5745	Ant4	15.42	0.03483	30	Pass
NVNT	a SISO	5785	Ant4	15.27	0.03365	30	Pass
NVNT	a SISO	5825	Ant4	15.38	0.03451	30	Pass
NVNT	n20 MIMO	5180	Ant1	13.33	0.02153	30	Pass
NVNT	n20 MIMO	5180	Ant2	12.79	0.01901	30	Pass
NVNT	n20 MIMO	5180	Ant3	12.49	0.01774	30	Pass
NVNT	n20 MIMO	5180	Ant4	11.97	0.01574	30	Pass
NVNT	n20 MIMO	5180	Sum	18.69	0.07402	27.3	Pass
NVNT	n20 MIMO	5200	Ant1	13.26	0.02118	30	Pass
NVNT	n20 MIMO	5200	Ant2	12.81	0.0191	30	Pass
NVNT	n20 MIMO	5200	Ant3	12.15	0.01641	30	Pass
NVNT	n20 MIMO	5200	Ant4	11.46	0.014	30	Pass
NVNT	n20 MIMO	5200	Sum	18.49	0.07068	27.3	Pass
NVNT	n20 MIMO	5240	Ant1	13.46	0.02218	30	Pass
NVNT	n20 MIMO	5240	Ant2	13.2	0.02089	30	Pass
NVNT	n20 MIMO	5240	Ant3	11.93	0.0156	30	Pass
NVNT	n20 MIMO	5240	Ant4	11.18	0.01312	30	Pass
NVNT	n20 MIMO	5240	Sum	18.56	0.07179	27.3	Pass
NVNT	n20 MIMO	5260	Ant1	13.13	0.02056	24	Pass
NVNT	n20 MIMO	5260	Ant2	12.51	0.01782	24	Pass
NVNT	n20 MIMO	5260	Ant3	12.96	0.01977	24	Pass
NVNT	n20 MIMO	5260	Ant4	12.25	0.01679	24	Pass
NVNT	n20 MIMO	5260	Sum	18.75	0.07494	21.3	Pass
NVNT	n20 MIMO	5280	Ant1	12.88	0.01941	24	Pass
NVNT	n20 MIMO	5280	Ant2	12.68	0.01854	24	Pass
NVNT	n20 MIMO	5280	Ant3	12.63	0.01832	24	Pass
NVNT	n20 MIMO	5280	Ant4	12.16	0.01644	24	Pass
NVNT	n20 MIMO	5280	Sum	18.62	0.07271	21.3	Pass



NVNT	n20 MIMO	5320	Ant1	12.45	0.01758	24	Pass
NVNT	n20 MIMO	5320	Ant2	12.57	0.01807	24	Pass
NVNT	n20 MIMO	5320	Ant3	12.56	0.01803	24	Pass
NVNT	n20 MIMO	5320	Ant4	12.08	0.01614	24	Pass
NVNT	n20 MIMO	5320	Sum	18.44	0.06982	21.3	Pass
NVNT	n20 MIMO	5500	Ant1	12.78	0.01897	24	Pass
NVNT	n20 MIMO	5500	Ant2	12.53	0.01791	24	Pass
NVNT	n20 MIMO	5500	Ant3	11.59	0.01442	24	Pass
NVNT	n20 MIMO	5500	Ant4	11.22	0.01324	24	Pass
NVNT	n20 MIMO	5500	Sum	18.1	0.06454	21.3	Pass
NVNT	n20 MIMO	5600	Ant1	13.46	0.02218	24	Pass
NVNT	n20 MIMO	5600	Ant2	12.98	0.01986	24	Pass
NVNT	n20 MIMO	5600	Ant3	11.39	0.01377	24	Pass
NVNT	n20 MIMO	5600	Ant4	11.79	0.0151	24	Pass
NVNT	n20 MIMO	5600	Sum	18.51	0.07092	21.3	Pass
NVNT	n20 MIMO	5745	Ant1	12.04	0.016	30	Pass
NVNT	n20 MIMO	5745	Ant2	12.24	0.01675	30	Pass
NVNT	n20 MIMO	5745	Ant3	10.85	0.01216	30	Pass
NVNT	n20 MIMO	5745	Ant4	10.98	0.01253	30	Pass
NVNT	n20 MIMO	5745	Sum	17.59	0.05744	27.3	Pass
NVNT	n20 MIMO	5785	Ant1	11.57	0.01435	30	Pass
NVNT	n20 MIMO	5785	Ant2	11.88	0.01542	30	Pass
NVNT	n20 MIMO	5785	Ant3	10.58	0.01143	30	Pass
NVNT	n20 MIMO	5785	Ant4	10.79	0.01199	30	Pass
NVNT	n20 MIMO	5785	Sum	17.26	0.0532	27.3	Pass
NVNT	n20 MIMO	5825	Ant1	10.97	0.0125	30	Pass
NVNT	n20 MIMO	5825	Ant2	11.35	0.01365	30	Pass
NVNT	n20 MIMO	5825	Ant3	10.67	0.01167	30	Pass
NVNT	n20 MIMO	5825	Ant4	10.96	0.01247	30	Pass
NVNT	n20 MIMO	5825	Sum	17.01	0.05029	27.3	Pass
NVNT	n40 MIMO	5190	Ant1	13.2	0.02089	30	Pass
NVNT	n40 MIMO	5190	Ant2	14.61	0.02891	30	Pass
NVNT	n40 MIMO	5190	Ant3	13.81	0.02404	30	Pass
NVNT	n40 MIMO	5190	Ant4	14.18	0.02618	30	Pass
NVNT	n40 MIMO	5190	Sum	20	0.10003	27.3	Pass
NVNT	n40 MIMO	5230	Ant1	12.97	0.01982	30	Pass
NVNT	n40 MIMO	5230	Ant2	14.76	0.02992	30	Pass
NVNT	n40 MIMO	5230	Ant3	14.04	0.02535	30	Pass



NVNT	n40 MIMO	5230	Ant4	13.77	0.02382	30	Pass
NVNT	n40 MIMO	5230	Sum	19.95	0.09891	27.3	Pass
NVNT	n40 MIMO	5270	Ant1	13.75	0.02371	24	Pass
NVNT	n40 MIMO	5270	Ant2	14.5	0.02818	24	Pass
NVNT	n40 MIMO	5270	Ant3	13.36	0.02168	24	Pass
NVNT	n40 MIMO	5270	Ant4	14.71	0.02958	24	Pass
NVNT	n40 MIMO	5270	Sum	20.13	0.10315	21.3	Pass
NVNT	n40 MIMO	5310	Ant1	13.56	0.0227	24	Pass
NVNT	n40 MIMO	5310	Ant2	14.16	0.02606	24	Pass
NVNT	n40 MIMO	5310	Ant3	13.22	0.02099	24	Pass
NVNT	n40 MIMO	5310	Ant4	14.33	0.0271	24	Pass
NVNT	n40 MIMO	5310	Sum	19.86	0.09685	21.3	Pass
NVNT	n40 MIMO	5510	Ant1	12.95	0.01972	24	Pass
NVNT	n40 MIMO	5510	Ant2	14.32	0.02704	24	Pass
NVNT	n40 MIMO	5510	Ant3	12.86	0.01932	24	Pass
NVNT	n40 MIMO	5510	Ant4	13.46	0.02218	24	Pass
NVNT	n40 MIMO	5510	Sum	19.46	0.08827	21.3	Pass
NVNT	n40 MIMO	5590	Ant1	13.34	0.02158	24	Pass
NVNT	n40 MIMO	5590	Ant2	15.13	0.03258	24	Pass
NVNT	n40 MIMO	5590	Ant3	13.26	0.02118	24	Pass
NVNT	n40 MIMO	5590	Ant4	13.77	0.02382	24	Pass
NVNT	n40 MIMO	5590	Sum	19.96	0.09917	21.3	Pass
NVNT	n40 MIMO	5710	Ant1	12.74	0.01879	24	Pass
NVNT	n40 MIMO	5710	Ant2	14.11	0.02576	24	Pass
NVNT	n40 MIMO	5710	Ant3	12.64	0.01837	24	Pass
NVNT	n40 MIMO	5710	Ant4	13.47	0.02223	24	Pass
NVNT	n40 MIMO	5710	Sum	19.3	0.08515	21.3	Pass
NVNT	n40 MIMO	5755	Ant1	12.68	0.01854	30	Pass
NVNT	n40 MIMO	5755	Ant2	13.91	0.0246	30	Pass
NVNT	n40 MIMO	5755	Ant3	12.79	0.01901	30	Pass
NVNT	n40 MIMO	5755	Ant4	13.05	0.02018	30	Pass
NVNT	n40 MIMO	5755	Sum	19.16	0.08233	27.3	Pass
NVNT	n40 MIMO	5795	Ant1	12.35	0.01718	30	Pass
NVNT	n40 MIMO	5795	Ant2	13.58	0.0228	30	Pass
NVNT	n40 MIMO	5795	Ant3	12.11	0.01626	30	Pass
NVNT	n40 MIMO	5795	Ant4	12.62	0.01828	30	Pass
NVNT	n40 MIMO	5795	Sum	18.72	0.07452	27.3	Pass
NVNT	ac20 MIMO	5180	Ant1	13.23	0.02104	30	Pass



NVNT	ac20 MIMO	5180	Ant2	12.76	0.01888	30	Pass
NVNT	ac20 MIMO	5180	Ant3	12.43	0.0175	30	Pass
NVNT	ac20 MIMO	5180	Ant4	11.82	0.01521	30	Pass
NVNT	ac20 MIMO	5180	Sum	18.61	0.07262	27.3	Pass
NVNT	ac20 MIMO	5200	Ant1	13.27	0.02123	30	Pass
NVNT	ac20 MIMO	5200	Ant2	12.76	0.01888	30	Pass
NVNT	ac20 MIMO	5200	Ant3	12.11	0.01626	30	Pass
NVNT	ac20 MIMO	5200	Ant4	11.48	0.01406	30	Pass
NVNT	ac20 MIMO	5200	Sum	18.48	0.07043	27.3	Pass
NVNT	ac20 MIMO	5240	Ant1	13.46	0.02218	30	Pass
NVNT	ac20 MIMO	5240	Ant2	13.28	0.02128	30	Pass
NVNT	ac20 MIMO	5240	Ant3	12	0.01585	30	Pass
NVNT	ac20 MIMO	5240	Ant4	11.1	0.01288	30	Pass
NVNT	ac20 MIMO	5240	Sum	18.58	0.07219	27.3	Pass
NVNT	ac20 MIMO	5260	Ant1	13.24	0.02109	24	Pass
NVNT	ac20 MIMO	5260	Ant2	12.45	0.01758	24	Pass
NVNT	ac20 MIMO	5260	Ant3	12.88	0.01941	24	Pass
NVNT	ac20 MIMO	5260	Ant4	12.13	0.01633	24	Pass
NVNT	ac20 MIMO	5260	Sum	18.72	0.0744	21.3	Pass
NVNT	ac20 MIMO	5280	Ant1	12.83	0.01919	24	Pass
NVNT	ac20 MIMO	5280	Ant2	12.84	0.01923	24	Pass
NVNT	ac20 MIMO	5280	Ant3	12.65	0.01841	24	Pass
NVNT	ac20 MIMO	5280	Ant4	12.04	0.016	24	Pass
NVNT	ac20 MIMO	5280	Sum	18.62	0.07282	21.3	Pass
NVNT	ac20 MIMO	5320	Ant1	12.3	0.01698	24	Pass
NVNT	ac20 MIMO	5320	Ant2	12.5	0.01778	24	Pass
NVNT	ac20 MIMO	5320	Ant3	12.43	0.0175	24	Pass
NVNT	ac20 MIMO	5320	Ant4	11.78	0.01507	24	Pass
NVNT	ac20 MIMO	5320	Sum	18.28	0.06733	21.3	Pass
NVNT	ac20 MIMO	5500	Ant1	12.89	0.01945	24	Pass
NVNT	ac20 MIMO	5500	Ant2	12.47	0.01766	24	Pass
NVNT	ac20 MIMO	5500	Ant3	11.64	0.01459	24	Pass
NVNT	ac20 MIMO	5500	Ant4	11.04	0.01271	24	Pass
NVNT	ac20 MIMO	5500	Sum	18.09	0.06441	21.3	Pass
NVNT	ac20 MIMO	5600	Ant1	13.44	0.02208	24	Pass
NVNT	ac20 MIMO	5600	Ant2	13.11	0.02046	24	Pass
NVNT	ac20 MIMO	5600	Ant3	11.42	0.01387	24	Pass
NVNT	ac20 MIMO	5600	Ant4	11.56	0.01432	24	Pass



NVNT	ac20 MIMO	5600	Sum	18.5	0.07073	21.3	Pass
NVNT	ac20 MIMO	5745	Ant1	12	0.01585	30	Pass
NVNT	ac20 MIMO	5745	Ant2	12.27	0.01687	30	Pass
NVNT	ac20 MIMO	5745	Ant3	10.9	0.0123	30	Pass
NVNT	ac20 MIMO	5745	Ant4	10.74	0.01186	30	Pass
NVNT	ac20 MIMO	5745	Sum	17.55	0.05687	27.3	Pass
NVNT	ac20 MIMO	5785	Ant1	11.56	0.01432	30	Pass
NVNT	ac20 MIMO	5785	Ant2	11.83	0.01524	30	Pass
NVNT	ac20 MIMO	5785	Ant3	10.59	0.01146	30	Pass
NVNT	ac20 MIMO	5785	Ant4	10.59	0.01146	30	Pass
NVNT	ac20 MIMO	5785	Sum	17.2	0.05247	27.3	Pass
NVNT	ac20 MIMO	5825	Ant1	10.98	0.01253	30	Pass
NVNT	ac20 MIMO	5825	Ant2	11.33	0.01358	30	Pass
NVNT	ac20 MIMO	5825	Ant3	10.72	0.0118	30	Pass
NVNT	ac20 MIMO	5825	Ant4	10.77	0.01194	30	Pass
NVNT	ac20 MIMO	5825	Sum	16.98	0.04986	27.3	Pass
NVNT	ac40 MIMO	5190	Ant1	13.17	0.02075	30	Pass
NVNT	ac40 MIMO	5190	Ant2	14.56	0.02858	30	Pass
NVNT	ac40 MIMO	5190	Ant3	13.69	0.02339	30	Pass
NVNT	ac40 MIMO	5190	Ant4	14.17	0.02612	30	Pass
NVNT	ac40 MIMO	5190	Sum	19.95	0.09884	27.3	Pass
NVNT	ac40 MIMO	5230	Ant1	13.07	0.02028	30	Pass
NVNT	ac40 MIMO	5230	Ant2	14.65	0.02917	30	Pass
NVNT	ac40 MIMO	5230	Ant3	13.89	0.02449	30	Pass
NVNT	ac40 MIMO	5230	Ant4	13.76	0.02377	30	Pass
NVNT	ac40 MIMO	5230	Sum	19.9	0.09771	27.3	Pass
NVNT	ac40 MIMO	5270	Ant1	13.77	0.02382	24	Pass
NVNT	ac40 MIMO	5270	Ant2	14.43	0.02773	24	Pass
NVNT	ac40 MIMO	5270	Ant3	13.1	0.02042	24	Pass
NVNT	ac40 MIMO	5270	Ant4	14.75	0.02985	24	Pass
NVNT	ac40 MIMO	5270	Sum	20.08	0.10183	21.3	Pass
NVNT	ac40 MIMO	5310	Ant1	13.67	0.02328	24	Pass
NVNT	ac40 MIMO	5310	Ant2	14.09	0.02564	24	Pass
NVNT	ac40 MIMO	5310	Ant3	13.09	0.02037	24	Pass
NVNT	ac40 MIMO	5310	Ant4	14.31	0.02698	24	Pass
NVNT	ac40 MIMO	5310	Sum	19.83	0.09627	21.3	Pass
NVNT	ac40 MIMO	5510	Ant1	12.84	0.01923	24	Pass
NVNT	ac40 MIMO	5510	Ant2	14.24	0.02655	24	Pass



NVNT	ac40 MIMO	5510	Ant3	12.76	0.01888	24	Pass
NVNT	ac40 MIMO	5510	Ant4	13.44	0.02208	24	Pass
NVNT	ac40 MIMO	5510	Sum	19.38	0.08674	21.3	Pass
NVNT	ac40 MIMO	5590	Ant1	13.35	0.02163	24	Pass
NVNT	ac40 MIMO	5590	Ant2	15.02	0.03177	24	Pass
NVNT	ac40 MIMO	5590	Ant3	13.09	0.02037	24	Pass
NVNT	ac40 MIMO	5590	Ant4	13.64	0.02312	24	Pass
NVNT	ac40 MIMO	5590	Sum	19.86	0.09689	21.3	Pass
NVNT	ac40 MIMO	5710	Ant1	12.64	0.01837	24	Pass
NVNT	ac40 MIMO	5710	Ant2	14.04	0.02535	24	Pass
NVNT	ac40 MIMO	5710	Ant3	12.52	0.01786	24	Pass
NVNT	ac40 MIMO	5710	Ant4	13.4	0.02188	24	Pass
NVNT	ac40 MIMO	5710	Sum	19.21	0.08346	21.3	Pass
NVNT	ac40 MIMO	5755	Ant1	12.68	0.01854	30	Pass
NVNT	ac40 MIMO	5755	Ant2	13.91	0.0246	30	Pass
NVNT	ac40 MIMO	5755	Ant3	12.79	0.01901	30	Pass
NVNT	ac40 MIMO	5755	Ant4	13.04	0.02014	30	Pass
NVNT	ac40 MIMO	5755	Sum	19.15	0.08229	27.3	Pass
NVNT	ac40 MIMO	5795	Ant1	12.4	0.01738	30	Pass
NVNT	ac40 MIMO	5795	Ant2	13.52	0.02249	30	Pass
NVNT	ac40 MIMO	5795	Ant3	12.01	0.01589	30	Pass
NVNT	ac40 MIMO	5795	Ant4	12.66	0.01845	30	Pass
NVNT	ac40 MIMO	5795	Sum	18.7	0.0742	27.3	Pass
NVNT	ac80 MIMO	5210	Ant1	13.13	0.02056	30	Pass
NVNT	ac80 MIMO	5210	Ant2	14.52	0.02831	30	Pass
NVNT	ac80 MIMO	5210	Ant3	14.04	0.02535	30	Pass
NVNT	ac80 MIMO	5210	Ant4	14.01	0.02518	30	Pass
NVNT	ac80 MIMO	5210	Sum	19.97	0.0994	27.3	Pass
NVNT	ac80 MIMO	5290	Ant1	13.64	0.02312	24	Pass
NVNT	ac80 MIMO	5290	Ant2	14.01	0.02518	24	Pass
NVNT	ac80 MIMO	5290	Ant3	13.11	0.02046	24	Pass
NVNT	ac80 MIMO	5290	Ant4	14.43	0.02773	24	Pass
NVNT	ac80 MIMO	5290	Sum	19.85	0.0965	21.3	Pass
NVNT	ac80 MIMO	5530	Ant1	12.9	0.0195	24	Pass
NVNT	ac80 MIMO	5530	Ant2	14.2	0.0263	24	Pass
NVNT	ac80 MIMO	5530	Ant3	12.66	0.01845	24	Pass
NVNT	ac80 MIMO	5530	Ant4	13.38	0.02178	24	Pass
NVNT	ac80 MIMO	5530	Sum	19.35	0.08603	21.3	Pass



NVNT	ac80 MIMO	5610	Ant1	12.96	0.01977	24	Pass
NVNT	ac80 MIMO	5610	Ant2	14.53	0.02838	24	Pass
NVNT	ac80 MIMO	5610	Ant3	13.13	0.02056	24	Pass
NVNT	ac80 MIMO	5610	Ant4	13.39	0.02183	24	Pass
NVNT	ac80 MIMO	5610	Sum	19.57	0.09054	21.3	Pass
NVNT	ac80 MIMO	5690	Ant1	12.77	0.01892	24	Pass
NVNT	ac80 MIMO	5690	Ant2	14.15	0.026	24	Pass
NVNT	ac80 MIMO	5690	Ant3	12.66	0.01845	24	Pass
NVNT	ac80 MIMO	5690	Ant4	13.43	0.02203	24	Pass
NVNT	ac80 MIMO	5690	Sum	19.31	0.0854	21.3	Pass
NVNT	ac80 MIMO	5775	Ant1	12.22	0.01667	30	Pass
NVNT	ac80 MIMO	5775	Ant2	13.57	0.02275	30	Pass
NVNT	ac80 MIMO	5775	Ant3	12.39	0.01734	30	Pass
NVNT	ac80 MIMO	5775	Ant4	12.67	0.01849	30	Pass
NVNT	ac80 MIMO	5775	Sum	18.77	0.07525	27.3	Pass
NVNT	ac160 MIMO	5250	Ant1	13.76	0.02377	24	Pass
NVNT	ac160 MIMO	5250	Ant2	14.14	0.02594	24	Pass
NVNT	ac160 MIMO	5250	Ant3	13.4	0.02188	24	Pass
NVNT	ac160 MIMO	5250	Ant4	14.52	0.02831	24	Pass
NVNT	ac160 MIMO	5250	Sum	20	0.0999	21.3	Pass
NVNT	ac160 MIMO	5570	Ant1	13.13	0.02056	24	Pass
NVNT	ac160 MIMO	5570	Ant2	14.74	0.02979	24	Pass
NVNT	ac160 MIMO	5570	Ant3	13.13	0.02056	24	Pass
NVNT	ac160 MIMO	5570	Ant4	13.3	0.02138	24	Pass
NVNT	ac160 MIMO	5570	Sum	19.65	0.09228	21.3	Pass
NVNT	ax20 MIMO	5180	Ant1	13.94	0.02477	30	Pass
NVNT	ax20 MIMO	5180	Ant2	13.23	0.02104	30	Pass
NVNT	ax20 MIMO	5180	Ant3	12.66	0.01845	30	Pass
NVNT	ax20 MIMO	5180	Ant4	12.48	0.0177	30	Pass
NVNT	ax20 MIMO	5180	Sum	19.14	0.08196	27.3	Pass
NVNT	ax20 MIMO	5200	Ant1	14.08	0.02559	30	Pass
NVNT	ax20 MIMO	5200	Ant2	13.23	0.02104	30	Pass
NVNT	ax20 MIMO	5200	Ant3	12.44	0.01754	30	Pass
NVNT	ax20 MIMO	5200	Ant4	11.96	0.0157	30	Pass
NVNT	ax20 MIMO	5200	Sum	19.02	0.07987	27.3	Pass
NVNT	ax20 MIMO	5240	Ant1	14.19	0.02624	30	Pass
NVNT	ax20 MIMO	5240	Ant2	13.64	0.02312	30	Pass
NVNT	ax20 MIMO	5240	Ant3	12.25	0.01679	30	Pass



NVNT	ax20 MIMO	5240	Ant4	11.69	0.01476	30	Pass
NVNT	ax20 MIMO	5240	Sum	19.08	0.08091	27.3	Pass
NVNT	ax20 MIMO	5260	Ant1	13.95	0.02483	24	Pass
NVNT	ax20 MIMO	5260	Ant2	12.78	0.01897	24	Pass
NVNT	ax20 MIMO	5260	Ant3	13.2	0.02089	24	Pass
NVNT	ax20 MIMO	5260	Ant4	12.66	0.01845	24	Pass
NVNT	ax20 MIMO	5260	Sum	19.2	0.08314	21.3	Pass
NVNT	ax20 MIMO	5280	Ant1	13.62	0.02301	24	Pass
NVNT	ax20 MIMO	5280	Ant2	13.17	0.02075	24	Pass
NVNT	ax20 MIMO	5280	Ant3	13.09	0.02037	24	Pass
NVNT	ax20 MIMO	5280	Ant4	12.69	0.01858	24	Pass
NVNT	ax20 MIMO	5280	Sum	19.18	0.08271	21.3	Pass
NVNT	ax20 MIMO	5320	Ant1	13.12	0.02051	24	Pass
NVNT	ax20 MIMO	5320	Ant2	12.93	0.01963	24	Pass
NVNT	ax20 MIMO	5320	Ant3	12.91	0.01954	24	Pass
NVNT	ax20 MIMO	5320	Ant4	12.4	0.01738	24	Pass
NVNT	ax20 MIMO	5320	Sum	18.87	0.07707	21.3	Pass
NVNT	ax20 MIMO	5500	Ant1	13.41	0.02193	24	Pass
NVNT	ax20 MIMO	5500	Ant2	12.96	0.01977	24	Pass
NVNT	ax20 MIMO	5500	Ant3	12.22	0.01667	24	Pass
NVNT	ax20 MIMO	5500	Ant4	11.52	0.01419	24	Pass
NVNT	ax20 MIMO	5500	Sum	18.61	0.07256	21.3	Pass
NVNT	ax20 MIMO	5600	Ant1	14.05	0.02541	24	Pass
NVNT	ax20 MIMO	5600	Ant2	13.39	0.02183	24	Pass
NVNT	ax20 MIMO	5600	Ant3	12.04	0.016	24	Pass
NVNT	ax20 MIMO	5600	Ant4	12.05	0.01603	24	Pass
NVNT	ax20 MIMO	5600	Sum	18.99	0.07927	21.3	Pass
NVNT	ax20 MIMO	5745	Ant1	12.53	0.01791	30	Pass
NVNT	ax20 MIMO	5745	Ant2	12.5	0.01778	30	Pass
NVNT	ax20 MIMO	5745	Ant3	11.31	0.01352	30	Pass
NVNT	ax20 MIMO	5745	Ant4	11.03	0.01268	30	Pass
NVNT	ax20 MIMO	5745	Sum	17.92	0.06189	27.3	Pass
NVNT	ax20 MIMO	5785	Ant1	12.1	0.01622	30	Pass
NVNT	ax20 MIMO	5785	Ant2	12.19	0.01656	30	Pass
NVNT	ax20 MIMO	5785	Ant3	11.11	0.01291	30	Pass
NVNT	ax20 MIMO	5785	Ant4	10.78	0.01197	30	Pass
NVNT	ax20 MIMO	5785	Sum	17.61	0.05766	27.3	Pass
NVNT	ax20 MIMO	5825	Ant1	11.31	0.01352	30	Pass



NVNT	ax20 MIMO	5825	Ant2	11.63	0.01455	30	Pass
NVNT	ax20 MIMO	5825	Ant3	11.07	0.01279	30	Pass
NVNT	ax20 MIMO	5825	Ant4	10.91	0.01233	30	Pass
NVNT	ax20 MIMO	5825	Sum	17.26	0.0532	27.3	Pass
NVNT	ax40 MIMO	5190	Ant1	13.42	0.02198	30	Pass
NVNT	ax40 MIMO	5190	Ant2	14.73	0.02972	30	Pass
NVNT	ax40 MIMO	5190	Ant3	13.92	0.02466	30	Pass
NVNT	ax40 MIMO	5190	Ant4	14.17	0.02612	30	Pass
NVNT	ax40 MIMO	5190	Sum	20.11	0.10248	27.3	Pass
NVNT	ax40 MIMO	5230	Ant1	13.26	0.02118	30	Pass
NVNT	ax40 MIMO	5230	Ant2	14.98	0.03148	30	Pass
NVNT	ax40 MIMO	5230	Ant3	14.13	0.02588	30	Pass
NVNT	ax40 MIMO	5230	Ant4	13.84	0.02421	30	Pass
NVNT	ax40 MIMO	5230	Sum	20.12	0.10275	27.3	Pass
NVNT	ax40 MIMO	5270	Ant1	14	0.02512	24	Pass
NVNT	ax40 MIMO	5270	Ant2	14.66	0.02924	24	Pass
NVNT	ax40 MIMO	5270	Ant3	13.49	0.02234	24	Pass
NVNT	ax40 MIMO	5270	Ant4	14.86	0.03062	24	Pass
NVNT	ax40 MIMO	5270	Sum	20.31	0.10732	21.3	Pass
NVNT	ax40 MIMO	5310	Ant1	13.78	0.02388	24	Pass
NVNT	ax40 MIMO	5310	Ant2	14.29	0.02685	24	Pass
NVNT	ax40 MIMO	5310	Ant3	13.13	0.02056	24	Pass
NVNT	ax40 MIMO	5310	Ant4	14.45	0.02786	24	Pass
NVNT	ax40 MIMO	5310	Sum	19.96	0.09915	21.3	Pass
NVNT	ax40 MIMO	5510	Ant1	13.07	0.02028	24	Pass
NVNT	ax40 MIMO	5510	Ant2	14.42	0.02767	24	Pass
NVNT	ax40 MIMO	5510	Ant3	12.67	0.01849	24	Pass
NVNT	ax40 MIMO	5510	Ant4	13.56	0.0227	24	Pass
NVNT	ax40 MIMO	5510	Sum	19.5	0.08914	21.3	Pass
NVNT	ax40 MIMO	5590	Ant1	13.57	0.02275	24	Pass
NVNT	ax40 MIMO	5590	Ant2	15.25	0.0335	24	Pass
NVNT	ax40 MIMO	5590	Ant3	13.35	0.02163	24	Pass
NVNT	ax40 MIMO	5590	Ant4	13.89	0.02449	24	Pass
NVNT	ax40 MIMO	5590	Sum	20.1	0.10237	21.3	Pass
NVNT	ax40 MIMO	5710	Ant1	12.77	0.01892	24	Pass
NVNT	ax40 MIMO	5710	Ant2	14.13	0.02588	24	Pass
NVNT	ax40 MIMO	5710	Ant3	12.5	0.01778	24	Pass
NVNT	ax40 MIMO	5710	Ant4	13.67	0.02328	24	Pass



NVNT	ax40 MIMO	5710	Sum	19.34	0.08587	21.3	Pass
NVNT	ax40 MIMO	5755	Ant1	12.87	0.01936	30	Pass
NVNT	ax40 MIMO	5755	Ant2	13.97	0.02495	30	Pass
NVNT	ax40 MIMO	5755	Ant3	12.86	0.01932	30	Pass
NVNT	ax40 MIMO	5755	Ant4	13.22	0.02099	30	Pass
NVNT	ax40 MIMO	5755	Sum	19.27	0.08462	27.3	Pass
NVNT	ax40 MIMO	5795	Ant1	12.56	0.01803	30	Pass
NVNT	ax40 MIMO	5795	Ant2	13.75	0.02371	30	Pass
NVNT	ax40 MIMO	5795	Ant3	12.2	0.0166	30	Pass
NVNT	ax40 MIMO	5795	Ant4	12.93	0.01963	30	Pass
NVNT	ax40 MIMO	5795	Sum	18.92	0.07797	27.3	Pass
NVNT	ax80 MIMO	5210	Ant1	13.55	0.02265	30	Pass
NVNT	ax80 MIMO	5210	Ant2	14.92	0.03105	30	Pass
NVNT	ax80 MIMO	5210	Ant3	14.33	0.0271	30	Pass
NVNT	ax80 MIMO	5210	Ant4	14.21	0.02636	30	Pass
NVNT	ax80 MIMO	5210	Sum	20.3	0.10716	27.3	Pass
NVNT	ax80 MIMO	5290	Ant1	14.04	0.02535	24	Pass
NVNT	ax80 MIMO	5290	Ant2	14.37	0.02735	24	Pass
NVNT	ax80 MIMO	5290	Ant3	13.51	0.02244	24	Pass
NVNT	ax80 MIMO	5290	Ant4	14.69	0.02944	24	Pass
NVNT	ax80 MIMO	5290	Sum	20.19	0.10459	21.3	Pass
NVNT	ax80 MIMO	5530	Ant1	13.25	0.02113	24	Pass
NVNT	ax80 MIMO	5530	Ant2	14.54	0.02844	24	Pass
NVNT	ax80 MIMO	5530	Ant3	13.03	0.02009	24	Pass
NVNT	ax80 MIMO	5530	Ant4	13.67	0.02328	24	Pass
NVNT	ax80 MIMO	5530	Sum	19.68	0.09295	21.3	Pass
NVNT	ax80 MIMO	5610	Ant1	13.3	0.02138	24	Pass
NVNT	ax80 MIMO	5610	Ant2	14.81	0.03027	24	Pass
NVNT	ax80 MIMO	5610	Ant3	13.48	0.02228	24	Pass
NVNT	ax80 MIMO	5610	Ant4	13.73	0.0236	24	Pass
NVNT	ax80 MIMO	5610	Sum	19.89	0.09754	21.3	Pass
NVNT	ax80 MIMO	5690	Ant1	13.08	0.02032	24	Pass
NVNT	ax80 MIMO	5690	Ant2	14.44	0.0278	24	Pass
NVNT	ax80 MIMO	5690	Ant3	12.99	0.01991	24	Pass
NVNT	ax80 MIMO	5690	Ant4	13.77	0.02382	24	Pass
NVNT	ax80 MIMO	5690	Sum	19.63	0.09185	21.3	Pass
NVNT	ax80 MIMO	5775	Ant1	12.56	0.01803	30	Pass
NVNT	ax80 MIMO	5775	Ant2	13.72	0.02355	30	Pass



NVNT	ax80 MIMO	5775	Ant3	12.61	0.01824	30	Pass
NVNT	ax80 MIMO	5775	Ant4	12.99	0.01991	30	Pass
NVNT	ax80 MIMO	5775	Sum	19.02	0.07973	27.3	Pass
NVNT	ax160 MIMO	5250	Ant1	14.19	0.02624	24	Pass
NVNT	ax160 MIMO	5250	Ant2	14.53	0.02838	24	Pass
NVNT	ax160 MIMO	5250	Ant3	13.65	0.02317	24	Pass
NVNT	ax160 MIMO	5250	Ant4	14.79	0.03013	24	Pass
NVNT	ax160 MIMO	5250	Sum	20.33	0.10793	21.3	Pass
NVNT	ax160 MIMO	5570	Ant1	13.41	0.02193	24	Pass
NVNT	ax160 MIMO	5570	Ant2	14.96	0.03133	24	Pass
NVNT	ax160 MIMO	5570	Ant3	13.43	0.02203	24	Pass
NVNT	ax160 MIMO	5570	Ant4	13.63	0.02307	24	Pass
NVNT	ax160 MIMO	5570	Sum	19.93	0.09836	21.3	Pass
NVNT	ax20 52@37 MIMO	5180	Ant1	7.76	0.00597	30	Pass
NVNT	ax20 52@37 MIMO	5180	Ant2	7.08	0.00511	30	Pass
NVNT	ax20 52@37 MIMO	5180	Ant3	7	0.00501	30	Pass
NVNT	ax20 52@37 MIMO	5180	Ant4	6.56	0.00453	30	Pass
NVNT	ax20 52@37 MIMO	5180	Sum	13.14	0.02062	27.3	Pass
NVNT	ax20 52@37 MIMO	5200	Ant1	7.77	0.00598	30	Pass
NVNT	ax20 52@37 MIMO	5200	Ant2	7.2	0.00525	30	Pass
NVNT	ax20 52@37 MIMO	5200	Ant3	6.59	0.00456	30	Pass
NVNT	ax20 52@37 MIMO	5200	Ant4	6.15	0.00412	30	Pass
NVNT	ax20 52@37 MIMO	5200	Sum	12.99	0.01991	27.3	Pass
NVNT	ax20 52@37 MIMO	5240	Ant1	8.19	0.00659	30	Pass
NVNT	ax20 52@37 MIMO	5240	Ant2	7.44	0.00555	30	Pass
NVNT	ax20 52@37 MIMO	5240	Ant3	6.36	0.00433	30	Pass



NVNT	ax20 52@37 MIMO	5240	Ant4	5.91	0.0039	30	Pass
NVNT	ax20 52@37 MIMO	5240	Sum	13.09	0.02036	27.3	Pass
NVNT	ax20 52@37 MIMO	5260	Ant1	7.89	0.00615	24	Pass
NVNT	ax20 52@37 MIMO	5260	Ant2	6.74	0.00472	24	Pass
NVNT	ax20 52@37 MIMO	5260	Ant3	7.53	0.00566	24	Pass
NVNT	ax20 52@37 MIMO	5260	Ant4	6.88	0.00488	24	Pass
NVNT	ax20 52@37 MIMO	5260	Sum	13.31	0.02141	21.3	Pass
NVNT	ax20 52@37 MIMO	5280	Ant1	7.63	0.00579	24	Pass
NVNT	ax20 52@37 MIMO	5280	Ant2	6.97	0.00498	24	Pass
NVNT	ax20 52@37 MIMO	5280	Ant3	7.41	0.00551	24	Pass
NVNT	ax20 52@37 MIMO	5280	Ant4	6.8	0.00479	24	Pass
NVNT	ax20 52@37 MIMO	5280	Sum	13.24	0.02107	21.3	Pass
NVNT	ax20 52@37 MIMO	5320	Ant1	7.28	0.00535	24	Pass
NVNT	ax20 52@37 MIMO	5320	Ant2	6.45	0.00442	24	Pass
NVNT	ax20 52@37 MIMO	5320	Ant3	7.21	0.00526	24	Pass
NVNT	ax20 52@37 MIMO	5320	Ant4	6.39	0.00436	24	Pass
NVNT	ax20 52@37 MIMO	5320	Sum	12.87	0.01938	21.3	Pass
NVNT	ax20 52@37 MIMO	5500	Ant1	7.3	0.00537	24	Pass
NVNT	ax20 52@37 MIMO	5500	Ant2	6.58	0.00455	24	Pass
NVNT	ax20 52@37	5500	Ant3	6.49	0.00446	24	Pass



	MIMO						
NVNT	ax20 52@37 MIMO	5500	Ant4	5.61	0.00364	24	Pass
NVNT	ax20 52@37 MIMO	5500	Sum	12.56	0.01802	21.3	Pass
NVNT	ax20 52@37 MIMO	5600	Ant1	7.48	0.0056	24	Pass
NVNT	ax20 52@37 MIMO	5600	Ant2	7.33	0.00541	24	Pass
NVNT	ax20 52@37 MIMO	5600	Ant3	6.45	0.00442	24	Pass
NVNT	ax20 52@37 MIMO	5600	Ant4	6.22	0.00419	24	Pass
NVNT	ax20 52@37 MIMO	5600	Sum	12.92	0.01961	21.3	Pass
NVNT	ax20 52@37 MIMO	5720	Ant1	6.39	0.00436	24	Pass
NVNT	ax20 52@37 MIMO	5720	Ant2	6.04	0.00402	24	Pass
NVNT	ax20 52@37 MIMO	5720	Ant3	5.41	0.00348	24	Pass
NVNT	ax20 52@37 MIMO	5720	Ant4	6.01	0.00399	24	Pass
NVNT	ax20 52@37 MIMO	5720	Sum	12	0.01584	21.3	Pass
NVNT	ax20 52@37 MIMO	5745	Ant1	6.32	0.00429	30	Pass
NVNT	ax20 52@37 MIMO	5745	Ant2	6.41	0.00438	30	Pass
NVNT	ax20 52@37 MIMO	5745	Ant3	5.36	0.00344	30	Pass
NVNT	ax20 52@37 MIMO	5745	Ant4	5.64	0.00366	30	Pass
NVNT	ax20 52@37 MIMO	5745	Sum	11.98	0.01576	27.3	Pass
NVNT	ax20 52@37 MIMO	5785	Ant1	5.94	0.00393	30	Pass
NVNT	ax20 52@37 MIMO	5785	Ant2	6.03	0.00401	30	Pass



NVNT	ax20 52@37 MIMO	5785	Ant3	5.13	0.00326	30	Pass
NVNT	ax20 52@37 MIMO	5785	Ant4	5.56	0.0036	30	Pass
NVNT	ax20 52@37 MIMO	5785	Sum	11.7	0.01479	27.3	Pass
NVNT	ax20 52@37 MIMO	5825	Ant1	4.07	0.00255	30	Pass
NVNT	ax20 52@37 MIMO	5825	Ant2	5.74	0.00375	30	Pass
NVNT	ax20 52@37 MIMO	5825	Ant3	5.15	0.00327	30	Pass
NVNT	ax20 52@37 MIMO	5825	Ant4	5.5	0.00355	30	Pass
NVNT	ax20 52@37 MIMO	5825	Sum	11.18	0.01312	27.3	Pass
NVNT	ax20 106@53 MIMO	5180	Ant1	13.12	0.02051	30	Pass
NVNT	ax20 106@53 MIMO	5180	Ant2	12.18	0.01652	30	Pass
NVNT	ax20 106@53 MIMO	5180	Ant3	11.8	0.01514	30	Pass
NVNT	ax20 106@53 MIMO	5180	Ant4	11.82	0.01521	30	Pass
NVNT	ax20 106@53 MIMO	5180	Sum	18.28	0.06737	27.3	Pass
NVNT	ax20 106@53 MIMO	5200	Ant1	13.25	0.02113	30	Pass
NVNT	ax20 106@53 MIMO	5200	Ant2	12.16	0.01644	30	Pass
NVNT	ax20 106@53 MIMO	5200	Ant3	11.67	0.01469	30	Pass
NVNT	ax20 106@53 MIMO	5200	Ant4	11.34	0.01361	30	Pass
NVNT	ax20 106@53 MIMO	5200	Sum	18.19	0.06588	27.3	Pass
NVNT	ax20 106@53 MIMO	5240	Ant1	13.38	0.02178	30	Pass
NVNT	ax20 106@53	5240	Ant2	12.64	0.01837	30	Pass



	MIMO						
NVNT	ax20 106@53 MIMO	5240	Ant3	11.56	0.01432	30	Pass
NVNT	ax20 106@53 MIMO	5240	Ant4	11.09	0.01285	30	Pass
NVNT	ax20 106@53 MIMO	5240	Sum	18.28	0.06732	27.3	Pass
NVNT	ax20 106@53 MIMO	5260	Ant1	12.93	0.01963	24	Pass
NVNT	ax20 106@53 MIMO	5260	Ant2	11.64	0.01459	24	Pass
NVNT	ax20 106@53 MIMO	5260	Ant3	12.42	0.01746	24	Pass
NVNT	ax20 106@53 MIMO	5260	Ant4	11.95	0.01567	24	Pass
NVNT	ax20 106@53 MIMO	5260	Sum	18.28	0.06735	21.3	Pass
NVNT	ax20 106@53 MIMO	5280	Ant1	12.8	0.01905	24	Pass
NVNT	ax20 106@53 MIMO	5280	Ant2	12.04	0.016	24	Pass
NVNT	ax20 106@53 MIMO	5280	Ant3	12.28	0.0169	24	Pass
NVNT	ax20 106@53 MIMO	5280	Ant4	11.9	0.01549	24	Pass
NVNT	ax20 106@53 MIMO	5280	Sum	18.29	0.06744	21.3	Pass
NVNT	ax20 106@53 MIMO	5320	Ant1	12.28	0.0169	24	Pass
NVNT	ax20 106@53 MIMO	5320	Ant2	11.77	0.01503	24	Pass
NVNT	ax20 106@53 MIMO	5320	Ant3	12.18	0.01652	24	Pass
NVNT	ax20 106@53 MIMO	5320	Ant4	11.69	0.01476	24	Pass
NVNT	ax20 106@53 MIMO	5320	Sum	18.01	0.06321	21.3	Pass
NVNT	ax20 106@53 MIMO	5500	Ant1	12.53	0.01791	24	Pass



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NVNT	ax20 106@53 MIMO	5500	Ant2	11.8	0.01514	24	Pass
NVNT	ax20 106@53 MIMO	5500	Ant3	11.4	0.0138	24	Pass
NVNT	ax20 106@53 MIMO	5500	Ant4	10.86	0.01219	24	Pass
NVNT	ax20 106@53 MIMO	5500	Sum	17.71	0.05904	21.3	Pass
NVNT	ax20 106@53 MIMO	5600	Ant1	13.22	0.02099	24	Pass
NVNT	ax20 106@53 MIMO	5600	Ant2	12.18	0.01652	24	Pass
NVNT	ax20 106@53 MIMO	5600	Ant3	11.24	0.0133	24	Pass
NVNT	ax20 106@53 MIMO	5600	Ant4	11.4	0.0138	24	Pass
NVNT	ax20 106@53 MIMO	5600	Sum	18.1	0.06462	21.3	Pass
NVNT	ax20 106@53 MIMO	5720	Ant1	11.57	0.01435	24	Pass
NVNT	ax20 106@53 MIMO	5720	Ant2	10.99	0.01256	24	Pass
NVNT	ax20 106@53 MIMO	5720	Ant3	10.88	0.01225	24	Pass
NVNT	ax20 106@53 MIMO	5720	Ant4	10.98	0.01253	24	Pass
NVNT	ax20 106@53 MIMO	5720	Sum	17.13	0.05169	21.3	Pass
NVNT	ax20 106@53 MIMO	5745	Ant1	11.65	0.01462	30	Pass
NVNT	ax20 106@53 MIMO	5745	Ant2	11.5	0.01413	30	Pass
NVNT	ax20 106@53 MIMO	5745	Ant3	10.74	0.01186	30	Pass
NVNT	ax20 106@53 MIMO	5745	Ant4	10.81	0.01205	30	Pass
NVNT	ax20 106@53 MIMO	5745	Sum	17.21	0.05266	27.3	Pass
NVNT	ax20 106@53	5785	Ant1	11.11	0.01291	30	Pass



	MIMO						
NVNT	ax20 106@53 MIMO	5785	Ant2	11.03	0.01268	30	Pass
NVNT	ax20 106@53 MIMO	5785	Ant3	10.59	0.01146	30	Pass
NVNT	ax20 106@53 MIMO	5785	Ant4	10.6	0.01148	30	Pass
NVNT	ax20 106@53 MIMO	5785	Sum	16.86	0.04853	27.3	Pass
NVNT	ax20 106@53 MIMO	5825	Ant1	10.54	0.01132	30	Pass
NVNT	ax20 106@53 MIMO	5825	Ant2	10.61	0.01151	30	Pass
NVNT	ax20 106@53 MIMO	5825	Ant3	10.58	0.01143	30	Pass
NVNT	ax20 106@53 MIMO	5825	Ant4	10.71	0.01178	30	Pass
NVNT	ax20 106@53 MIMO	5825	Sum	16.63	0.04604	27.3	Pass
NVNT	ax40 52@37 MIMO	5190	Ant1	6.45	0.00442	30	Pass
NVNT	ax40 52@37 MIMO	5190	Ant2	5.95	0.00394	30	Pass
NVNT	ax40 52@37 MIMO	5190	Ant3	5.62	0.00365	30	Pass
NVNT	ax40 52@37 MIMO	5190	Ant4	4.97	0.00314	30	Pass
NVNT	ax40 52@37 MIMO	5190	Sum	11.8	0.01514	27.3	Pass
NVNT	ax40 52@37 MIMO	5270	Ant1	6.31	0.00428	24	Pass
NVNT	ax40 52@37 MIMO	5270	Ant2	5.63	0.00366	24	Pass
NVNT	ax40 52@37 MIMO	5270	Ant3	6.23	0.0042	24	Pass
NVNT	ax40 52@37 MIMO	5270	Ant4	5.45	0.00351	24	Pass
NVNT	ax40 52@37 MIMO	5270	Sum	11.94	0.01564	21.3	Pass



NVNT	ax40 52@37 MIMO	5510	Ant1	6.21	0.00418	24	Pass
NVNT	ax40 52@37 MIMO	5510	Ant2	5.22	0.00333	24	Pass
NVNT	ax40 52@37 MIMO	5510	Ant3	5.13	0.00326	24	Pass
NVNT	ax40 52@37 MIMO	5510	Ant4	4.51	0.00282	24	Pass
NVNT	ax40 52@37 MIMO	5510	Sum	11.33	0.01359	21.3	Pass
NVNT	ax40 52@37 MIMO	5755	Ant1	5.48	0.00353	30	Pass
NVNT	ax40 52@37 MIMO	5755	Ant2	5.09	0.00323	30	Pass
NVNT	ax40 52@37 MIMO	5755	Ant3	5.01	0.00317	30	Pass
NVNT	ax40 52@37 MIMO	5755	Ant4	4.74	0.00298	30	Pass
NVNT	ax40 52@37 MIMO	5755	Sum	11.11	0.01291	27.3	Pass
NVNT	ax40 106@53 MIMO	5190	Ant1	8.76	0.00752	30	Pass
NVNT	ax40 106@53 MIMO	5190	Ant2	8.1	0.00646	30	Pass
NVNT	ax40 106@53 MIMO	5190	Ant3	7.89	0.00615	30	Pass
NVNT	ax40 106@53 MIMO	5190	Ant4	7.21	0.00526	30	Pass
NVNT	ax40 106@53 MIMO	5190	Sum	14.04	0.02538	27.3	Pass
NVNT	ax40 106@53 MIMO	5230	Ant1	9.04	0.00802	30	Pass
NVNT	ax40 106@53 MIMO	5230	Ant2	8.08	0.00643	30	Pass
NVNT	ax40 106@53 MIMO	5230	Ant3	7.86	0.00611	30	Pass
NVNT	ax40 106@53 MIMO	5230	Ant4	6.94	0.00494	30	Pass
NVNT	ax40 106@53	5230	Sum	14.07	0.0255	27.3	Pass



	MIMO						
NVNT	ax40 106@53 MIMO	5270	Ant1	8.54	0.00714	24	Pass
NVNT	ax40 106@53 MIMO	5270	Ant2	7.82	0.00605	24	Pass
NVNT	ax40 106@53 MIMO	5270	Ant3	8.6	0.00724	24	Pass
NVNT	ax40 106@53 MIMO	5270	Ant4	7.67	0.00585	24	Pass
NVNT	ax40 106@53 MIMO	5270	Sum	14.2	0.02629	21.3	Pass
NVNT	ax40 106@53 MIMO	5310	Ant1	8.44	0.00698	24	Pass
NVNT	ax40 106@53 MIMO	5310	Ant2	7.46	0.00557	24	Pass
NVNT	ax40 106@53 MIMO	5310	Ant3	8.49	0.00706	24	Pass
NVNT	ax40 106@53 MIMO	5310	Ant4	7.53	0.00566	24	Pass
NVNT	ax40 106@53 MIMO	5310	Sum	14.03	0.02528	21.3	Pass
NVNT	ax40 106@53 MIMO	5510	Ant1	8.49	0.00706	24	Pass
NVNT	ax40 106@53 MIMO	5510	Ant2	7.4	0.0055	24	Pass
NVNT	ax40 106@53 MIMO	5510	Ant3	7.34	0.00542	24	Pass
NVNT	ax40 106@53 MIMO	5510	Ant4	6.74	0.00472	24	Pass
NVNT	ax40 106@53 MIMO	5510	Sum	13.56	0.0227	21.3	Pass
NVNT	ax40 106@53 MIMO	5755	Ant1	7.96	0.00625	30	Pass
NVNT	ax40 106@53 MIMO	5755	Ant2	7.34	0.00542	30	Pass
NVNT	ax40 106@53 MIMO	5755	Ant3	7.06	0.00508	30	Pass
NVNT	ax40 106@53 MIMO	5755	Ant4	6.87	0.00486	30	Pass



NVNT	ax40 106@53 MIMO	5755	Sum	13.35	0.02162	27.3	Pass
NVNT	ax40 242@61 MIMO	5190	Ant1	11.65	0.01462	30	Pass
NVNT	ax40 242@61 MIMO	5190	Ant2	11.58	0.01439	30	Pass
NVNT	ax40 242@61 MIMO	5190	Ant3	11.43	0.0139	30	Pass
NVNT	ax40 242@61 MIMO	5190	Ant4	10.77	0.01194	30	Pass
NVNT	ax40 242@61 MIMO	5190	Sum	17.39	0.05485	27.3	Pass
NVNT	ax40 242@61 MIMO	5230	Ant1	11.85	0.01531	30	Pass
NVNT	ax40 242@61 MIMO	5230	Ant2	11.54	0.01426	30	Pass
NVNT	ax40 242@61 MIMO	5230	Ant3	11.29	0.01346	30	Pass
NVNT	ax40 242@61 MIMO	5230	Ant4	10.31	0.01074	30	Pass
NVNT	ax40 242@61 MIMO	5230	Sum	17.31	0.05377	27.3	Pass
NVNT	ax40 242@61 MIMO	5270	Ant1	11.65	0.01462	24	Pass
NVNT	ax40 242@61 MIMO	5270	Ant2	11.18	0.01312	24	Pass
NVNT	ax40 242@61 MIMO	5270	Ant3	11.69	0.01476	24	Pass
NVNT	ax40 242@61 MIMO	5270	Ant4	11.41	0.01384	24	Pass
NVNT	ax40 242@61 MIMO	5270	Sum	17.51	0.05634	21.3	Pass
NVNT	ax40 242@61 MIMO	5310	Ant1	11.59	0.01442	24	Pass
NVNT	ax40 242@61 MIMO	5310	Ant2	11.03	0.01268	24	Pass
NVNT	ax40 242@61 MIMO	5310	Ant3	11.52	0.01419	24	Pass
NVNT	ax40 242@61	5310	Ant4	11.22	0.01324	24	Pass



	MIMO						
NVNT	ax40 242@61 MIMO	5310	Sum	17.37	0.05453	21.3	Pass
NVNT	ax40 242@61 MIMO	5510	Ant1	11.31	0.01352	24	Pass
NVNT	ax40 242@61 MIMO	5510	Ant2	10.69	0.01172	24	Pass
NVNT	ax40 242@61 MIMO	5510	Ant3	10.76	0.01191	24	Pass
NVNT	ax40 242@61 MIMO	5510	Ant4	9.96	0.00991	24	Pass
NVNT	ax40 242@61 MIMO	5510	Sum	16.73	0.04706	21.3	Pass
NVNT	ax40 242@61 MIMO	5590	Ant1	11.92	0.01556	24	Pass
NVNT	ax40 242@61 MIMO	5590	Ant2	11.49	0.01409	24	Pass
NVNT	ax40 242@61 MIMO	5590	Ant3	10.91	0.01233	24	Pass
NVNT	ax40 242@61 MIMO	5590	Ant4	10.71	0.01178	24	Pass
NVNT	ax40 242@61 MIMO	5590	Sum	17.3	0.05376	21.3	Pass
NVNT	ax40 242@61 MIMO	5710	Ant1	11.1	0.01288	24	Pass
NVNT	ax40 242@61 MIMO	5710	Ant2	10.59	0.01146	24	Pass
NVNT	ax40 242@61 MIMO	5710	Ant3	10.4	0.01096	24	Pass
NVNT	ax40 242@61 MIMO	5710	Ant4	10.55	0.01135	24	Pass
NVNT	ax40 242@61 MIMO	5710	Sum	16.69	0.04665	21.3	Pass
NVNT	ax40 242@61 MIMO	5755	Ant1	10.9	0.0123	30	Pass
NVNT	ax40 242@61 MIMO	5755	Ant2	10.62	0.01153	30	Pass
NVNT	ax40 242@61 MIMO	5755	Ant3	10.17	0.0104	30	Pass



NVNT	ax40 242@61 MIMO	5755	Ant4	10.56	0.01138	30	Pass
NVNT	ax40 242@61 MIMO	5755	Sum	16.59	0.04561	27.3	Pass
NVNT	ax40 242@61 MIMO	5795	Ant1	10.09	0.01021	30	Pass
NVNT	ax40 242@61 MIMO	5795	Ant2	9.93	0.00984	30	Pass
NVNT	ax40 242@61 MIMO	5795	Ant3	9.6	0.00912	30	Pass
NVNT	ax40 242@61 MIMO	5795	Ant4	10.09	0.01021	30	Pass
NVNT	ax40 242@61 MIMO	5795	Sum	15.95	0.03938	27.3	Pass
NVNT	ax80 52@37 MIMO	5210	Ant1	3.98	0.0025	30	Pass
NVNT	ax80 52@37 MIMO	5210	Ant2	4.24	0.00265	30	Pass
NVNT	ax80 52@37 MIMO	5210	Ant3	3.91	0.00246	30	Pass
NVNT	ax80 52@37 MIMO	5210	Ant4	2.59	0.00182	30	Pass
NVNT	ax80 52@37 MIMO	5210	Sum	9.75	0.00943	27.3	Pass
NVNT	ax80 52@37 MIMO	5290	Ant1	3.83	0.00242	24	Pass
NVNT	ax80 52@37 MIMO	5290	Ant2	3.81	0.0024	24	Pass
NVNT	ax80 52@37 MIMO	5290	Ant3	4.15	0.0026	24	Pass
NVNT	ax80 52@37 MIMO	5290	Ant4	3.37	0.00217	24	Pass
NVNT	ax80 52@37 MIMO	5290	Sum	9.82	0.00959	21.3	Pass
NVNT	ax80 52@37 MIMO	5530	Ant1	3.96	0.00249	24	Pass
NVNT	ax80 52@37 MIMO	5530	Ant2	3.81	0.0024	24	Pass
NVNT	ax80 52@37	5530	Ant3	3.53	0.00225	24	Pass



	MIMO						
NVNT	ax80 52@37 MIMO	5530	Ant4	3.01	0.002	24	Pass
NVNT	ax80 52@37 MIMO	5530	Sum	9.61	0.00915	21.3	Pass
NVNT	ax80 52@37 MIMO	5775	Ant1	3.18	0.00208	30	Pass
NVNT	ax80 52@37 MIMO	5775	Ant2	3.03	0.00201	30	Pass
NVNT	ax80 52@37 MIMO	5775	Ant3	2.94	0.00197	30	Pass
NVNT	ax80 52@37 MIMO	5775	Ant4	2.87	0.00194	30	Pass
NVNT	ax80 52@37 MIMO	5775	Sum	9.03	0.00799	27.3	Pass
NVNT	ax80 106@53 MIMO	5210	Ant1	6.51	0.00448	30	Pass
NVNT	ax80 106@53 MIMO	5210	Ant2	6.33	0.0043	30	Pass
NVNT	ax80 106@53 MIMO	5210	Ant3	5.81	0.00381	30	Pass
NVNT	ax80 106@53 MIMO	5210	Ant4	4.94	0.00312	30	Pass
NVNT	ax80 106@53 MIMO	5210	Sum	11.96	0.0157	27.3	Pass
NVNT	ax80 106@53 MIMO	5290	Ant1	6.18	0.00415	24	Pass
NVNT	ax80 106@53 MIMO	5290	Ant2	5.54	0.00358	24	Pass
NVNT	ax80 106@53 MIMO	5290	Ant3	6.05	0.00403	24	Pass
NVNT	ax80 106@53 MIMO	5290	Ant4	5.42	0.00348	24	Pass
NVNT	ax80 106@53 MIMO	5290	Sum	11.83	0.01524	21.3	Pass
NVNT	ax80 106@53 MIMO	5530	Ant1	6.36	0.00433	24	Pass
NVNT	ax80 106@53 MIMO	5530	Ant2	5.6	0.00363	24	Pass



NVNT	ax80 106@53 MIMO	5530	Ant3	5.45	0.00351	24	Pass
NVNT	ax80 106@53 MIMO	5530	Ant4	4.66	0.00292	24	Pass
NVNT	ax80 106@53 MIMO	5530	Sum	11.58	0.01439	21.3	Pass
NVNT	ax80 106@53 MIMO	5775	Ant1	4.78	0.00301	30	Pass
NVNT	ax80 106@53 MIMO	5775	Ant2	5.33	0.00341	30	Pass
NVNT	ax80 106@53 MIMO	5775	Ant3	4.73	0.00297	30	Pass
NVNT	ax80 106@53 MIMO	5775	Ant4	4.52	0.00283	30	Pass
NVNT	ax80 106@53 MIMO	5775	Sum	10.87	0.01222	27.3	Pass
NVNT	ax80 242@61 MIMO	5210	Ant1	8.62	0.00728	30	Pass
NVNT	ax80 242@61 MIMO	5210	Ant2	8.33	0.00681	30	Pass
NVNT	ax80 242@61 MIMO	5210	Ant3	7.99	0.0063	30	Pass
NVNT	ax80 242@61 MIMO	5210	Ant4	7.03	0.00505	30	Pass
NVNT	ax80 242@61 MIMO	5210	Sum	14.05	0.02543	27.3	Pass
NVNT	ax80 242@61 MIMO	5290	Ant1	8.13	0.0065	24	Pass
NVNT	ax80 242@61 MIMO	5290	Ant2	7.52	0.00565	24	Pass
NVNT	ax80 242@61 MIMO	5290	Ant3	8.04	0.00637	24	Pass
NVNT	ax80 242@61 MIMO	5290	Ant4	7.46	0.00557	24	Pass
NVNT	ax80 242@61 MIMO	5290	Sum	13.82	0.02409	21.3	Pass
NVNT	ax80 242@61 MIMO	5530	Ant1	8.53	0.00713	24	Pass
NVNT	ax80 242@61	5530	Ant2	7.52	0.00565	24	Pass



	MIMO						
NVNT	ax80 242@61 MIMO	5530	Ant3	7.37	0.00546	24	Pass
NVNT	ax80 242@61 MIMO	5530	Ant4	6.85	0.00484	24	Pass
NVNT	ax80 242@61 MIMO	5530	Sum	13.63	0.02308	21.3	Pass
NVNT	ax80 242@61 MIMO	5775	Ant1	7.26	0.00532	30	Pass
NVNT	ax80 242@61 MIMO	5775	Ant2	7.33	0.00541	30	Pass
NVNT	ax80 242@61 MIMO	5775	Ant3	6.96	0.00497	30	Pass
NVNT	ax80 242@61 MIMO	5775	Ant4	6.68	0.00466	30	Pass
NVNT	ax80 242@61 MIMO	5775	Sum	13.09	0.02035	27.3	Pass
NVNT	ax80 484@65 MIMO	5210	Ant1	12.75	0.01884	30	Pass
NVNT	ax80 484@65 MIMO	5210	Ant2	12.06	0.01607	30	Pass
NVNT	ax80 484@65 MIMO	5210	Ant3	12.02	0.01592	30	Pass
NVNT	ax80 484@65 MIMO	5210	Ant4	11.23	0.01327	30	Pass
NVNT	ax80 484@65 MIMO	5210	Sum	18.07	0.0641	27.3	Pass
NVNT	ax80 484@65 MIMO	5290	Ant1	12.87	0.01936	24	Pass
NVNT	ax80 484@65 MIMO	5290	Ant2	12.16	0.01644	24	Pass
NVNT	ax80 484@65 MIMO	5290	Ant3	12.43	0.0175	24	Pass
NVNT	ax80 484@65 MIMO	5290	Ant4	11.93	0.0156	24	Pass
NVNT	ax80 484@65 MIMO	5290	Sum	18.38	0.0689	21.3	Pass
NVNT	ax80 484@65 MIMO	5530	Ant1	12.98	0.01986	24	Pass



NVNT	ax80 484@65 MIMO	5530	Ant2	11.7	0.01479	24	Pass
NVNT	ax80 484@65 MIMO	5530	Ant3	11.83	0.01524	24	Pass
NVNT	ax80 484@65 MIMO	5530	Ant4	10.98	0.01253	24	Pass
NVNT	ax80 484@65 MIMO	5530	Sum	17.95	0.06242	21.3	Pass
NVNT	ax80 484@65 MIMO	5775	Ant1	11.69	0.01476	30	Pass
NVNT	ax80 484@65 MIMO	5775	Ant2	11.23	0.01327	30	Pass
NVNT	ax80 484@65 MIMO	5775	Ant3	10.99	0.01256	30	Pass
NVNT	ax80 484@65 MIMO	5775	Ant4	11.03	0.01268	30	Pass
NVNT	ax80 484@65 MIMO	5775	Sum	17.26	0.05327	27.3	Pass
NVNT	ax160 52@74 MIMO	5250	Ant1	4.18	0.00262	24	Pass
NVNT	ax160 52@74 MIMO	5250	Ant2	3.51	0.00224	24	Pass
NVNT	ax160 52@74 MIMO	5250	Ant3	4.06	0.00255	24	Pass
NVNT	ax160 52@74 MIMO	5250	Ant4	3.48	0.00223	24	Pass
NVNT	ax160 52@74 MIMO	5250	Sum	9.84	0.00964	21.3	Pass
NVNT	ax160 52@74 MIMO	5570	Ant1	5.06	0.00321	24	Pass
NVNT	ax160 52@74 MIMO	5570	Ant2	4.06	0.00255	24	Pass
NVNT	ax160 52@74 MIMO	5570	Ant3	3.85	0.00243	24	Pass
NVNT	ax160 52@74 MIMO	5570	Ant4	2.94	0.00197	24	Pass
NVNT	ax160 52@74 MIMO	5570	Sum	10.06	0.01015	21.3	Pass
NVNT	ax160 106@106	5250	Ant1	6.76	0.00474	24	Pass



	MIMO						
NVNT	ax160 106@106 MIMO	5250	Ant2	5.87	0.00386	24	Pass
NVNT	ax160 106@106 MIMO	5250	Ant3	6.9	0.0049	24	Pass
NVNT	ax160 106@106 MIMO	5250	Ant4	6.04	0.00402	24	Pass
NVNT	ax160 106@106 MIMO	5250	Sum	12.44	0.01752	21.3	Pass
NVNT	ax160 106@106 MIMO	5570	Ant1	7.46	0.00557	24	Pass
NVNT	ax160 106@106 MIMO	5570	Ant2	6.66	0.00463	24	Pass
NVNT	ax160 106@106 MIMO	5570	Ant3	6.21	0.00418	24	Pass
NVNT	ax160 106@106 MIMO	5570	Ant4	5.63	0.00366	24	Pass
NVNT	ax160 106@106 MIMO	5570	Sum	12.56	0.01804	21.3	Pass
NVNT	ax160 242@122 MIMO	5250	Ant1	10.78	0.01197	24	Pass
NVNT	ax160 242@122 MIMO	5250	Ant2	9.76	0.00946	24	Pass
NVNT	ax160 242@122 MIMO	5250	Ant3	10.88	0.01225	24	Pass
NVNT	ax160 242@122 MIMO	5250	Ant4	9.91	0.00979	24	Pass
NVNT	ax160 242@122 MIMO	5250	Sum	16.38	0.04347	21.3	Pass
NVNT	ax160 242@122 MIMO	5570	Ant1	11.61	0.01449	24	Pass
NVNT	ax160 242@122 MIMO	5570	Ant2	10.54	0.01132	24	Pass
NVNT	ax160 242@122 MIMO	5570	Ant3	10.09	0.01021	24	Pass
NVNT	ax160 242@122 MIMO	5570	Ant4	9.87	0.00971	24	Pass
NVNT	ax160 242@122 MIMO	5570	Sum	16.6	0.04573	21.3	Pass



NVNT	ax160 966@134 MIMO	5250	Ant1	12.63	0.01832	24	Pass
NVNT	ax160 966@134 MIMO	5250	Ant2	11.66	0.01466	24	Pass
NVNT	ax160 966@134 MIMO	5250	Ant3	12.66	0.01845	24	Pass
NVNT	ax160 966@134 MIMO	5250	Ant4	11.97	0.01574	24	Pass
NVNT	ax160 966@134 MIMO	5250	Sum	18.27	0.06717	21.3	Pass
NVNT	ax160 966@134 MIMO	5570	Ant1	13.06	0.02023	24	Pass
NVNT	ax160 966@134 MIMO	5570	Ant2	12	0.01585	24	Pass
NVNT	ax160 966@134 MIMO	5570	Ant3	11.84	0.01528	24	Pass
NVNT	ax160 966@134 MIMO	5570	Ant4	11.31	0.01352	24	Pass
NVNT	ax160 966@134 MIMO	5570	Sum	18.12	0.06488	21.3	Pass

Note 1: Directional gain = $10\log[(10^{G0/20} + 10^{G1/20})^2/2] = 8.70\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $30 - (8.70 - 6) = 27.3\text{dBm}$ for 5.18-5.24GHz band.

Note 2: Directional gain = $10\log[(10^{G0/20} + 10^{G1/20})^2/2] = 8.70\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (8.70 - 6) = 21.3\text{dBm}$ for 5.745-5.825GHz band.

**A.3. Emission Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)	Verdict
NVNT	a SISO	5180	Ant1	20.138	Pass
NVNT	a SISO	5200	Ant1	20.535	Pass
NVNT	a SISO	5240	Ant1	20.375	Pass
NVNT	a SISO	5260	Ant1	20.037	Pass
NVNT	a SISO	5280	Ant1	19.95	Pass
NVNT	a SISO	5320	Ant1	20.327	Pass
NVNT	a SISO	5500	Ant1	20.57	Pass
NVNT	a SISO	5600	Ant1	20.459	Pass
NVNT	a SISO	5720	Ant1	20.301	Pass
NVNT	a SISO	5180	Ant2	20.229	Pass
NVNT	a SISO	5200	Ant2	20.307	Pass
NVNT	a SISO	5240	Ant2	20.371	Pass
NVNT	a SISO	5260	Ant2	20.545	Pass
NVNT	a SISO	5280	Ant2	20.37	Pass
NVNT	a SISO	5320	Ant2	20.374	Pass
NVNT	a SISO	5500	Ant2	20.346	Pass
NVNT	a SISO	5600	Ant2	20.243	Pass
NVNT	a SISO	5720	Ant2	20.171	Pass
NVNT	a SISO	5180	Ant3	20.067	Pass
NVNT	a SISO	5200	Ant3	20.069	Pass
NVNT	a SISO	5240	Ant3	20.068	Pass
NVNT	a SISO	5260	Ant3	20.061	Pass
NVNT	a SISO	5280	Ant3	20.166	Pass
NVNT	a SISO	5320	Ant3	20.223	Pass
NVNT	a SISO	5500	Ant3	20.514	Pass
NVNT	a SISO	5600	Ant3	19.99	Pass
NVNT	a SISO	5180	Ant4	20.359	Pass
NVNT	a SISO	5200	Ant4	20.235	Pass
NVNT	a SISO	5240	Ant4	20.454	Pass
NVNT	a SISO	5260	Ant4	20.708	Pass
NVNT	a SISO	5280	Ant4	20.208	Pass
NVNT	a SISO	5320	Ant4	20.274	Pass
NVNT	a SISO	5500	Ant4	20.505	Pass
NVNT	a SISO	5600	Ant4	20.33	Pass
NVNT	n20 SISO	5180	Ant1	21.15	Pass



NVNT	n20 MIMO	5180	Ant1	21.61	Pass
NVNT	n20 MIMO	5180	Ant2	21.929	Pass
NVNT	n20 MIMO	5180	Ant3	21.646	Pass
NVNT	n20 MIMO	5180	Ant4	21.8	Pass
NVNT	n20 MIMO	5200	Ant1	21.481	Pass
NVNT	n20 MIMO	5200	Ant2	21.408	Pass
NVNT	n20 MIMO	5200	Ant3	21.72	Pass
NVNT	n20 MIMO	5200	Ant4	21.065	Pass
NVNT	n20 MIMO	5240	Ant1	21.362	Pass
NVNT	n20 MIMO	5240	Ant2	21.287	Pass
NVNT	n20 MIMO	5240	Ant3	21.541	Pass
NVNT	n20 MIMO	5240	Ant4	21.881	Pass
NVNT	n20 MIMO	5260	Ant1	21.397	Pass
NVNT	n20 MIMO	5260	Ant2	21.555	Pass
NVNT	n20 MIMO	5260	Ant3	21.391	Pass
NVNT	n20 MIMO	5260	Ant4	21.293	Pass
NVNT	n20 MIMO	5280	Ant1	21.489	Pass
NVNT	n20 MIMO	5280	Ant2	21.665	Pass
NVNT	n20 MIMO	5280	Ant3	21.646	Pass
NVNT	n20 MIMO	5280	Ant4	21.557	Pass
NVNT	n20 MIMO	5320	Ant1	21.676	Pass
NVNT	n20 MIMO	5320	Ant2	21.504	Pass
NVNT	n20 MIMO	5320	Ant3	21.256	Pass
NVNT	n20 MIMO	5320	Ant4	21.517	Pass
NVNT	n20 MIMO	5500	Ant1	21.349	Pass
NVNT	n20 MIMO	5500	Ant2	21.682	Pass
NVNT	n20 MIMO	5500	Ant3	21.385	Pass
NVNT	n20 MIMO	5500	Ant4	21.929	Pass
NVNT	n20 MIMO	5600	Ant1	21.543	Pass
NVNT	n20 MIMO	5600	Ant2	21.165	Pass
NVNT	n20 MIMO	5600	Ant3	21.91	Pass
NVNT	n20 MIMO	5600	Ant4	21.513	Pass
NVNT	n40 MIMO	5190	Ant1	39.579	Pass
NVNT	n40 MIMO	5190	Ant2	39.82	Pass
NVNT	n40 MIMO	5190	Ant3	39.58	Pass
NVNT	n40 MIMO	5190	Ant4	39.697	Pass
NVNT	n40 MIMO	5230	Ant1	39.593	Pass
NVNT	n40 MIMO	5230	Ant2	39.564	Pass



NVNT	n40 MIMO	5230	Ant3	39.304	Pass
NVNT	n40 MIMO	5230	Ant4	39.696	Pass
NVNT	n40 MIMO	5270	Ant1	39.482	Pass
NVNT	n40 MIMO	5270	Ant2	39.662	Pass
NVNT	n40 MIMO	5270	Ant3	39.77	Pass
NVNT	n40 MIMO	5270	Ant4	39.504	Pass
NVNT	n40 MIMO	5310	Ant1	39.547	Pass
NVNT	n40 MIMO	5310	Ant2	39.746	Pass
NVNT	n40 MIMO	5310	Ant3	39.797	Pass
NVNT	n40 MIMO	5310	Ant4	39.872	Pass
NVNT	n40 MIMO	5510	Ant1	39.442	Pass
NVNT	n40 MIMO	5510	Ant2	39.807	Pass
NVNT	n40 MIMO	5510	Ant3	39.588	Pass
NVNT	n40 MIMO	5510	Ant4	39.785	Pass
NVNT	n40 MIMO	5590	Ant1	39.556	Pass
NVNT	n40 MIMO	5590	Ant2	39.984	Pass
NVNT	n40 MIMO	5590	Ant3	39.514	Pass
NVNT	n40 MIMO	5590	Ant4	39.781	Pass
NVNT	n40 MIMO	5710	Ant1	39.288	Pass
NVNT	n40 MIMO	5710	Ant2	39.981	Pass
NVNT	n40 MIMO	5710	Ant3	39.636	Pass
NVNT	n40 MIMO	5710	Ant4	39.6	Pass
NVNT	ac20 MIMO	5180	Ant1	21.322	Pass
NVNT	ac20 MIMO	5180	Ant2	21.578	Pass
NVNT	ac20 MIMO	5180	Ant3	21.139	Pass
NVNT	ac20 MIMO	5180	Ant4	22.084	Pass
NVNT	ac20 MIMO	5200	Ant1	21.343	Pass
NVNT	ac20 MIMO	5200	Ant2	21.543	Pass
NVNT	ac20 MIMO	5200	Ant3	22.02	Pass
NVNT	ac20 MIMO	5200	Ant4	21.297	Pass
NVNT	ac20 MIMO	5240	Ant1	21.431	Pass
NVNT	ac20 MIMO	5240	Ant2	21.909	Pass
NVNT	ac20 MIMO	5240	Ant3	21.523	Pass
NVNT	ac20 MIMO	5240	Ant4	21.444	Pass
NVNT	ac20 MIMO	5260	Ant1	21.443	Pass
NVNT	ac20 MIMO	5260	Ant2	21.133	Pass
NVNT	ac20 MIMO	5260	Ant3	21.434	Pass
NVNT	ac20 MIMO	5260	Ant4	21.457	Pass



NVNT	ac20 MIMO	5280	Ant1	21.568	Pass
NVNT	ac20 MIMO	5280	Ant2	21.061	Pass
NVNT	ac20 MIMO	5280	Ant3	21.192	Pass
NVNT	ac20 MIMO	5280	Ant4	21.337	Pass
NVNT	ac20 MIMO	5320	Ant1	21.818	Pass
NVNT	ac20 MIMO	5320	Ant2	21.885	Pass
NVNT	ac20 MIMO	5320	Ant3	21.276	Pass
NVNT	ac20 MIMO	5320	Ant4	21.702	Pass
NVNT	ac20 MIMO	5500	Ant1	21.389	Pass
NVNT	ac20 MIMO	5500	Ant2	22.243	Pass
NVNT	ac20 MIMO	5500	Ant3	21.598	Pass
NVNT	ac20 MIMO	5500	Ant4	21.243	Pass
NVNT	ac20 MIMO	5600	Ant1	21.728	Pass
NVNT	ac20 MIMO	5600	Ant2	21.596	Pass
NVNT	ac20 MIMO	5600	Ant3	21.387	Pass
NVNT	ac20 MIMO	5600	Ant4	22.056	Pass
NVNT	ac40 MIMO	5190	Ant1	39.489	Pass
NVNT	ac40 MIMO	5190	Ant2	39.655	Pass
NVNT	ac40 MIMO	5190	Ant3	39.48	Pass
NVNT	ac40 MIMO	5190	Ant4	39.58	Pass
NVNT	ac40 MIMO	5230	Ant1	39.36	Pass
NVNT	ac40 MIMO	5230	Ant2	39.48	Pass
NVNT	ac40 MIMO	5230	Ant3	39.904	Pass
NVNT	ac40 MIMO	5230	Ant4	39.693	Pass
NVNT	ac40 MIMO	5270	Ant1	39.116	Pass
NVNT	ac40 MIMO	5270	Ant2	39.728	Pass
NVNT	ac40 MIMO	5270	Ant3	39.401	Pass
NVNT	ac40 MIMO	5270	Ant4	39.742	Pass
NVNT	ac40 MIMO	5310	Ant1	39.397	Pass
NVNT	ac40 MIMO	5310	Ant2	39.635	Pass
NVNT	ac40 MIMO	5310	Ant3	39.56	Pass
NVNT	ac40 MIMO	5310	Ant4	39.931	Pass
NVNT	ac40 MIMO	5510	Ant1	39.464	Pass
NVNT	ac40 MIMO	5510	Ant2	39.983	Pass
NVNT	ac40 MIMO	5510	Ant3	39.683	Pass
NVNT	ac40 MIMO	5510	Ant4	39.968	Pass
NVNT	ac40 MIMO	5590	Ant1	39.652	Pass
NVNT	ac40 MIMO	5590	Ant2	40.279	Pass



NVNT	ac40 MIMO	5590	Ant3	39.278	Pass
NVNT	ac40 MIMO	5590	Ant4	39.792	Pass
NVNT	ac40 MIMO	5710	Ant1	39.457	Pass
NVNT	ac40 MIMO	5710	Ant2	39.598	Pass
NVNT	ac40 MIMO	5710	Ant3	39.564	Pass
NVNT	ac40 MIMO	5710	Ant4	39.649	Pass
NVNT	ac80 MIMO	5210	Ant1	82.668	Pass
NVNT	ac80 MIMO	5210	Ant2	83.404	Pass
NVNT	ac80 MIMO	5210	Ant3	82.535	Pass
NVNT	ac80 MIMO	5210	Ant4	83.285	Pass
NVNT	ac80 MIMO	5290	Ant1	82.816	Pass
NVNT	ac80 MIMO	5290	Ant2	83.503	Pass
NVNT	ac80 MIMO	5290	Ant3	82.551	Pass
NVNT	ac80 MIMO	5290	Ant4	82.778	Pass
NVNT	ac80 MIMO	5530	Ant1	82.585	Pass
NVNT	ac80 MIMO	5530	Ant2	83.053	Pass
NVNT	ac80 MIMO	5530	Ant3	83.001	Pass
NVNT	ac80 MIMO	5530	Ant4	82.706	Pass
NVNT	ac80 MIMO	5610	Ant1	82.402	Pass
NVNT	ac80 MIMO	5610	Ant2	83.267	Pass
NVNT	ac80 MIMO	5610	Ant3	83.202	Pass
NVNT	ac80 MIMO	5610	Ant4	83.396	Pass
NVNT	ac80 MIMO	5690	Ant1	83.062	Pass
NVNT	ac80 MIMO	5690	Ant2	83.004	Pass
NVNT	ac80 MIMO	5690	Ant3	82.892	Pass
NVNT	ac80 MIMO	5690	Ant4	82.902	Pass
NVNT	ac160 MIMO	5250	Ant1	167.221	Pass
NVNT	ac160 MIMO	5250	Ant2	167.266	Pass
NVNT	ac160 MIMO	5250	Ant3	166.052	Pass
NVNT	ac160 MIMO	5250	Ant4	167.183	Pass
NVNT	ac160 MIMO	5570	Ant1	166.686	Pass
NVNT	ac160 MIMO	5570	Ant2	166.682	Pass
NVNT	ac160 MIMO	5570	Ant3	167.383	Pass
NVNT	ac160 MIMO	5570	Ant4	166.938	Pass
NVNT	ax20 MIMO	5180	Ant1	21.384	Pass
NVNT	ax20 MIMO	5180	Ant2	21.557	Pass
NVNT	ax20 MIMO	5180	Ant3	21.651	Pass
NVNT	ax20 MIMO	5180	Ant4	21.488	Pass



NVNT	ax20 MIMO	5200	Ant1	21.876	Pass
NVNT	ax20 MIMO	5200	Ant2	21.357	Pass
NVNT	ax20 MIMO	5200	Ant3	21.749	Pass
NVNT	ax20 MIMO	5200	Ant4	21.609	Pass
NVNT	ax20 MIMO	5240	Ant1	21.67	Pass
NVNT	ax20 MIMO	5240	Ant2	21.232	Pass
NVNT	ax20 MIMO	5240	Ant3	21.368	Pass
NVNT	ax20 MIMO	5240	Ant4	21.455	Pass
NVNT	ax20 MIMO	5260	Ant1	21.505	Pass
NVNT	ax20 MIMO	5260	Ant2	21.706	Pass
NVNT	ax20 MIMO	5260	Ant3	21.493	Pass
NVNT	ax20 MIMO	5260	Ant4	21.5	Pass
NVNT	ax20 MIMO	5280	Ant1	21.634	Pass
NVNT	ax20 MIMO	5280	Ant2	21.892	Pass
NVNT	ax20 MIMO	5280	Ant3	21.747	Pass
NVNT	ax20 MIMO	5280	Ant4	21.392	Pass
NVNT	ax20 MIMO	5320	Ant1	21.326	Pass
NVNT	ax20 MIMO	5320	Ant2	21.526	Pass
NVNT	ax20 MIMO	5320	Ant3	22.038	Pass
NVNT	ax20 MIMO	5320	Ant4	21.805	Pass
NVNT	ax20 MIMO	5500	Ant1	21.564	Pass
NVNT	ax20 MIMO	5500	Ant2	21.663	Pass
NVNT	ax20 MIMO	5500	Ant3	21.608	Pass
NVNT	ax20 MIMO	5500	Ant4	21.736	Pass
NVNT	ax20 MIMO	5600	Ant1	21.31	Pass
NVNT	ax20 MIMO	5600	Ant2	21.473	Pass
NVNT	ax20 MIMO	5600	Ant3	21.54	Pass
NVNT	ax20 MIMO	5600	Ant4	21.68	Pass
NVNT	ax40 MIMO	5190	Ant1	40.494	Pass
NVNT	ax40 MIMO	5190	Ant2	40.224	Pass
NVNT	ax40 MIMO	5190	Ant3	40.384	Pass
NVNT	ax40 MIMO	5190	Ant4	40.418	Pass
NVNT	ax40 MIMO	5230	Ant1	40.286	Pass
NVNT	ax40 MIMO	5230	Ant2	40.077	Pass
NVNT	ax40 MIMO	5230	Ant3	40.356	Pass
NVNT	ax40 MIMO	5230	Ant4	40.117	Pass
NVNT	ax40 MIMO	5270	Ant1	40.229	Pass
NVNT	ax40 MIMO	5270	Ant2	40.113	Pass



NVNT	ax40 MIMO	5270	Ant3	40.611	Pass
NVNT	ax40 MIMO	5270	Ant4	40.455	Pass
NVNT	ax40 MIMO	5310	Ant1	40.246	Pass
NVNT	ax40 MIMO	5310	Ant2	40.6	Pass
NVNT	ax40 MIMO	5310	Ant3	40.418	Pass
NVNT	ax40 MIMO	5310	Ant4	40.158	Pass
NVNT	ax40 MIMO	5510	Ant1	40.215	Pass
NVNT	ax40 MIMO	5510	Ant2	40.16	Pass
NVNT	ax40 MIMO	5510	Ant3	40.44	Pass
NVNT	ax40 MIMO	5510	Ant4	40.329	Pass
NVNT	ax40 MIMO	5590	Ant1	40.336	Pass
NVNT	ax40 MIMO	5590	Ant2	40.485	Pass
NVNT	ax40 MIMO	5590	Ant3	40.57	Pass
NVNT	ax40 MIMO	5590	Ant4	40.329	Pass
NVNT	ax40 MIMO	5710	Ant1	40.732	Pass
NVNT	ax40 MIMO	5710	Ant2	40.747	Pass
NVNT	ax40 MIMO	5710	Ant3	40.29	Pass
NVNT	ax40 MIMO	5710	Ant4	40.284	Pass
NVNT	ax80 MIMO	5210	Ant1	83.422	Pass
NVNT	ax80 MIMO	5210	Ant2	84.049	Pass
NVNT	ax80 MIMO	5210	Ant3	83.968	Pass
NVNT	ax80 MIMO	5210	Ant4	84.306	Pass
NVNT	ax80 MIMO	5290	Ant1	83.798	Pass
NVNT	ax80 MIMO	5290	Ant2	84.124	Pass
NVNT	ax80 MIMO	5290	Ant3	83.916	Pass
NVNT	ax80 MIMO	5290	Ant4	83.955	Pass
NVNT	ax80 MIMO	5530	Ant1	83.458	Pass
NVNT	ax80 MIMO	5530	Ant2	83.958	Pass
NVNT	ax80 MIMO	5530	Ant3	83.905	Pass
NVNT	ax80 MIMO	5530	Ant4	84.098	Pass
NVNT	ax80 MIMO	5610	Ant1	84.159	Pass
NVNT	ax80 MIMO	5610	Ant2	83.767	Pass
NVNT	ax80 MIMO	5610	Ant3	84.303	Pass
NVNT	ax80 MIMO	5610	Ant4	83.696	Pass
NVNT	ax80 MIMO	5690	Ant1	83.839	Pass
NVNT	ax80 MIMO	5690	Ant2	83.747	Pass
NVNT	ax80 MIMO	5690	Ant3	84.111	Pass
NVNT	ax80 MIMO	5690	Ant4	82.855	Pass



NVNT	ax160 MIMO	5250	Ant1	167.466	Pass
NVNT	ax160 MIMO	5250	Ant2	168.38	Pass
NVNT	ax160 MIMO	5250	Ant3	166.976	Pass
NVNT	ax160 MIMO	5250	Ant4	168.752	Pass
NVNT	ax160 MIMO	5570	Ant1	166.421	Pass
NVNT	ax160 MIMO	5570	Ant2	167.503	Pass
NVNT	ax160 MIMO	5570	Ant3	167.034	Pass
NVNT	ax160 MIMO	5570	Ant4	167.383	Pass
NVNT	ax20 52@37 MIMO	5180	Ant1	20.606	Pass
NVNT	ax20 52@37 MIMO	5180	Ant2	20.44	Pass
NVNT	ax20 52@37 MIMO	5180	Ant3	20.2	Pass
NVNT	ax20 52@37 MIMO	5180	Ant4	20.349	Pass
NVNT	ax20 52@37 MIMO	5200	Ant1	20.14	Pass
NVNT	ax20 52@37 MIMO	5200	Ant2	20.168	Pass
NVNT	ax20 52@37 MIMO	5200	Ant3	20.443	Pass
NVNT	ax20 52@37 MIMO	5200	Ant4	20.403	Pass
NVNT	ax20 52@37 MIMO	5240	Ant1	20.658	Pass
NVNT	ax20 52@37 MIMO	5240	Ant2	20.761	Pass
NVNT	ax20 52@37 MIMO	5240	Ant3	20.419	Pass
NVNT	ax20 52@37 MIMO	5240	Ant4	20.525	Pass
NVNT	ax20 52@37 MIMO	5260	Ant1	20.445	Pass
NVNT	ax20 52@37 MIMO	5260	Ant2	19.838	Pass
NVNT	ax20 52@37 MIMO	5260	Ant3	20.633	Pass
NVNT	ax20 52@37 MIMO	5260	Ant4	20.317	Pass
NVNT	ax20 52@37 MIMO	5280	Ant1	20.668	Pass
NVNT	ax20 52@37 MIMO	5280	Ant2	20.698	Pass
NVNT	ax20 52@37 MIMO	5280	Ant3	20.231	Pass
NVNT	ax20 52@37 MIMO	5280	Ant4	20.139	Pass
NVNT	ax20 52@37 MIMO	5320	Ant1	20.562	Pass
NVNT	ax20 52@37 MIMO	5320	Ant2	20.483	Pass
NVNT	ax20 52@37 MIMO	5320	Ant3	20.406	Pass
NVNT	ax20 52@37 MIMO	5320	Ant4	20.382	Pass
NVNT	ax20 52@37 MIMO	5500	Ant1	20.549	Pass
NVNT	ax20 52@37 MIMO	5500	Ant2	20.147	Pass
NVNT	ax20 52@37 MIMO	5500	Ant3	20.258	Pass
NVNT	ax20 52@37 MIMO	5500	Ant4	20.636	Pass
NVNT	ax20 52@37 MIMO	5600	Ant1	20.712	Pass
NVNT	ax20 52@37 MIMO	5600	Ant2	20.587	Pass



NVNT	ax20 52@37 MIMO	5600	Ant3	20.101	Pass
NVNT	ax20 52@37 MIMO	5600	Ant4	20.432	Pass
NVNT	ax20 52@37 MIMO	5720	Ant1	20.65	Pass
NVNT	ax20 52@37 MIMO	5720	Ant2	20.128	Pass
NVNT	ax20 52@37 MIMO	5720	Ant3	20.46	Pass
NVNT	ax20 52@37 MIMO	5720	Ant4	20.196	Pass
NVNT	ax20 106@53 MIMO	5180	Ant1	21.55	Pass
NVNT	ax20 106@53 MIMO	5180	Ant2	22.129	Pass
NVNT	ax20 106@53 MIMO	5180	Ant3	21.304	Pass
NVNT	ax20 106@53 MIMO	5180	Ant4	21.475	Pass
NVNT	ax20 106@53 MIMO	5200	Ant1	21.59	Pass
NVNT	ax20 106@53 MIMO	5200	Ant2	21.261	Pass
NVNT	ax20 106@53 MIMO	5200	Ant3	21.507	Pass
NVNT	ax20 106@53 MIMO	5200	Ant4	21.182	Pass
NVNT	ax20 106@53 MIMO	5240	Ant1	21.635	Pass
NVNT	ax20 106@53 MIMO	5240	Ant2	21.751	Pass
NVNT	ax20 106@53 MIMO	5240	Ant3	21.119	Pass
NVNT	ax20 106@53 MIMO	5240	Ant4	21.576	Pass
NVNT	ax20 106@53 MIMO	5260	Ant1	21.292	Pass
NVNT	ax20 106@53 MIMO	5260	Ant2	21.333	Pass
NVNT	ax20 106@53 MIMO	5260	Ant3	21.432	Pass
NVNT	ax20 106@53 MIMO	5260	Ant4	21.331	Pass
NVNT	ax20 106@53 MIMO	5280	Ant1	21.563	Pass
NVNT	ax20 106@53 MIMO	5280	Ant2	21.213	Pass
NVNT	ax20 106@53 MIMO	5280	Ant3	21.807	Pass
NVNT	ax20 106@53 MIMO	5280	Ant4	21.342	Pass
NVNT	ax20 106@53 MIMO	5320	Ant1	21.639	Pass
NVNT	ax20 106@53 MIMO	5320	Ant2	21.644	Pass
NVNT	ax20 106@53 MIMO	5320	Ant3	21.504	Pass
NVNT	ax20 106@53 MIMO	5320	Ant4	21.948	Pass
NVNT	ax20 106@53 MIMO	5500	Ant1	21.718	Pass
NVNT	ax20 106@53 MIMO	5500	Ant2	21.534	Pass
NVNT	ax20 106@53 MIMO	5500	Ant3	21.587	Pass
NVNT	ax20 106@53 MIMO	5500	Ant4	21.545	Pass
NVNT	ax20 106@53 MIMO	5600	Ant1	21.702	Pass
NVNT	ax20 106@53 MIMO	5600	Ant2	21.508	Pass
NVNT	ax20 106@53 MIMO	5600	Ant3	21.199	Pass
NVNT	ax20 106@53 MIMO	5600	Ant4	21.355	Pass



NVNT	ax20 106@53 MIMO	5720	Ant1	21.279	Pass
NVNT	ax20 106@53 MIMO	5720	Ant2	21.798	Pass
NVNT	ax20 106@53 MIMO	5720	Ant3	21.658	Pass
NVNT	ax20 106@53 MIMO	5720	Ant4	21.163	Pass
NVNT	ax40 52@37 MIMO	5190	Ant1	39.767	Pass
NVNT	ax40 52@37 MIMO	5190	Ant2	39.598	Pass
NVNT	ax40 52@37 MIMO	5190	Ant3	39.812	Pass
NVNT	ax40 52@37 MIMO	5190	Ant4	39.592	Pass
NVNT	ax40 52@37 MIMO	5270	Ant1	39.547	Pass
NVNT	ax40 52@37 MIMO	5270	Ant2	39.894	Pass
NVNT	ax40 52@37 MIMO	5270	Ant3	39.524	Pass
NVNT	ax40 52@37 MIMO	5270	Ant4	39.69	Pass
NVNT	ax40 52@37 MIMO	5510	Ant1	39.366	Pass
NVNT	ax40 52@37 MIMO	5510	Ant2	39.595	Pass
NVNT	ax40 52@37 MIMO	5510	Ant3	39.898	Pass
NVNT	ax40 52@37 MIMO	5510	Ant4	39.641	Pass
NVNT	ax40 106@53 MIMO	5190	Ant1	40.635	Pass
NVNT	ax40 106@53 MIMO	5190	Ant2	40.075	Pass
NVNT	ax40 106@53 MIMO	5190	Ant3	40.26	Pass
NVNT	ax40 106@53 MIMO	5190	Ant4	40.249	Pass
NVNT	ax40 106@53 MIMO	5230	Ant1	40.426	Pass
NVNT	ax40 106@53 MIMO	5230	Ant2	40.218	Pass
NVNT	ax40 106@53 MIMO	5230	Ant3	40.286	Pass
NVNT	ax40 106@53 MIMO	5230	Ant4	40.028	Pass
NVNT	ax40 106@53 MIMO	5270	Ant1	40.118	Pass
NVNT	ax40 106@53 MIMO	5270	Ant2	39.921	Pass
NVNT	ax40 106@53 MIMO	5270	Ant3	40.355	Pass
NVNT	ax40 106@53 MIMO	5270	Ant4	39.895	Pass
NVNT	ax40 106@53 MIMO	5310	Ant1	40.631	Pass
NVNT	ax40 106@53 MIMO	5310	Ant2	40.196	Pass
NVNT	ax40 106@53 MIMO	5310	Ant3	40.236	Pass
NVNT	ax40 106@53 MIMO	5310	Ant4	40.407	Pass
NVNT	ax40 106@53 MIMO	5510	Ant1	39.714	Pass
NVNT	ax40 106@53 MIMO	5510	Ant2	39.795	Pass
NVNT	ax40 106@53 MIMO	5510	Ant3	39.711	Pass
NVNT	ax40 106@53 MIMO	5510	Ant4	39.7	Pass
NVNT	ax40 242@61 MIMO	5190	Ant1	39.739	Pass
NVNT	ax40 242@61 MIMO	5190	Ant2	39.863	Pass



NVNT	ax40 242@61 MIMO	5190	Ant3	39.187	Pass
NVNT	ax40 242@61 MIMO	5190	Ant4	40.07	Pass
NVNT	ax40 242@61 MIMO	5230	Ant1	39.755	Pass
NVNT	ax40 242@61 MIMO	5230	Ant2	38.125	Pass
NVNT	ax40 242@61 MIMO	5230	Ant3	39.848	Pass
NVNT	ax40 242@61 MIMO	5230	Ant4	39.18	Pass
NVNT	ax40 242@61 MIMO	5270	Ant1	39.634	Pass
NVNT	ax40 242@61 MIMO	5270	Ant2	39.599	Pass
NVNT	ax40 242@61 MIMO	5270	Ant3	39.868	Pass
NVNT	ax40 242@61 MIMO	5270	Ant4	40.007	Pass
NVNT	ax40 242@61 MIMO	5310	Ant1	39.989	Pass
NVNT	ax40 242@61 MIMO	5310	Ant2	39.717	Pass
NVNT	ax40 242@61 MIMO	5310	Ant3	39.903	Pass
NVNT	ax40 242@61 MIMO	5310	Ant4	38.265	Pass
NVNT	ax40 242@61 MIMO	5510	Ant1	39.966	Pass
NVNT	ax40 242@61 MIMO	5510	Ant2	39.546	Pass
NVNT	ax40 242@61 MIMO	5510	Ant3	39.926	Pass
NVNT	ax40 242@61 MIMO	5510	Ant4	39.698	Pass
NVNT	ax40 242@61 MIMO	5590	Ant1	39.618	Pass
NVNT	ax40 242@61 MIMO	5590	Ant2	39.932	Pass
NVNT	ax40 242@61 MIMO	5590	Ant3	39.31	Pass
NVNT	ax40 242@61 MIMO	5590	Ant4	39.927	Pass
NVNT	ax40 242@61 MIMO	5710	Ant1	39.698	Pass
NVNT	ax40 242@61 MIMO	5710	Ant2	39.923	Pass
NVNT	ax40 242@61 MIMO	5710	Ant3	39.796	Pass
NVNT	ax40 242@61 MIMO	5710	Ant4	40.227	Pass
NVNT	ax80 52@37 MIMO	5210	Ant1	83.238	Pass
NVNT	ax80 52@37 MIMO	5210	Ant2	83.331	Pass
NVNT	ax80 52@37 MIMO	5210	Ant3	83.754	Pass
NVNT	ax80 52@37 MIMO	5210	Ant4	83.713	Pass
NVNT	ax80 52@37 MIMO	5290	Ant1	83.279	Pass
NVNT	ax80 52@37 MIMO	5290	Ant2	83.073	Pass
NVNT	ax80 52@37 MIMO	5290	Ant3	83.503	Pass
NVNT	ax80 52@37 MIMO	5290	Ant4	83.289	Pass
NVNT	ax80 52@37 MIMO	5530	Ant1	83.614	Pass
NVNT	ax80 52@37 MIMO	5530	Ant2	83.261	Pass
NVNT	ax80 52@37 MIMO	5530	Ant3	83.408	Pass
NVNT	ax80 52@37 MIMO	5530	Ant4	83.776	Pass



NVNT	ax80 106@53 MIMO	5210	Ant1	84.279	Pass
NVNT	ax80 106@53 MIMO	5210	Ant2	83.55	Pass
NVNT	ax80 106@53 MIMO	5210	Ant3	83.685	Pass
NVNT	ax80 106@53 MIMO	5210	Ant4	83.3	Pass
NVNT	ax80 106@53 MIMO	5290	Ant1	83.666	Pass
NVNT	ax80 106@53 MIMO	5290	Ant2	83.642	Pass
NVNT	ax80 106@53 MIMO	5290	Ant3	82.801	Pass
NVNT	ax80 106@53 MIMO	5290	Ant4	82.616	Pass
NVNT	ax80 106@53 MIMO	5530	Ant1	83.807	Pass
NVNT	ax80 106@53 MIMO	5530	Ant2	82.839	Pass
NVNT	ax80 106@53 MIMO	5530	Ant3	83.672	Pass
NVNT	ax80 106@53 MIMO	5530	Ant4	83.576	Pass
NVNT	ax80 242@61 MIMO	5210	Ant1	83.383	Pass
NVNT	ax80 242@61 MIMO	5210	Ant2	82.85	Pass
NVNT	ax80 242@61 MIMO	5210	Ant3	83.638	Pass
NVNT	ax80 242@61 MIMO	5210	Ant4	84.462	Pass
NVNT	ax80 242@61 MIMO	5290	Ant1	84.354	Pass
NVNT	ax80 242@61 MIMO	5290	Ant2	83.84	Pass
NVNT	ax80 242@61 MIMO	5290	Ant3	83.948	Pass
NVNT	ax80 242@61 MIMO	5290	Ant4	84.409	Pass
NVNT	ax80 242@61 MIMO	5530	Ant1	83.725	Pass
NVNT	ax80 242@61 MIMO	5530	Ant2	83.346	Pass
NVNT	ax80 242@61 MIMO	5530	Ant3	82.37	Pass
NVNT	ax80 242@61 MIMO	5530	Ant4	83.931	Pass
NVNT	ax80 484@65 MIMO	5210	Ant1	82.912	Pass
NVNT	ax80 484@65 MIMO	5210	Ant2	83.476	Pass
NVNT	ax80 484@65 MIMO	5210	Ant3	83.201	Pass
NVNT	ax80 484@65 MIMO	5210	Ant4	83.316	Pass
NVNT	ax80 484@65 MIMO	5290	Ant1	83.106	Pass
NVNT	ax80 484@65 MIMO	5290	Ant2	82.971	Pass
NVNT	ax80 484@65 MIMO	5290	Ant3	83.051	Pass
NVNT	ax80 484@65 MIMO	5290	Ant4	83.849	Pass
NVNT	ax80 484@65 MIMO	5530	Ant1	82.815	Pass
NVNT	ax80 484@65 MIMO	5530	Ant2	83.157	Pass
NVNT	ax80 484@65 MIMO	5530	Ant3	83.129	Pass
NVNT	ax80 484@65 MIMO	5530	Ant4	83.563	Pass
NVNT	ax160 52@74 MIMO	5250	Ant1	168.305	Pass
NVNT	ax160 52@74 MIMO	5250	Ant2	168.51	Pass



NVNT	ax160 52@74 MIMO	5250	Ant3	168.391	Pass
NVNT	ax160 52@74 MIMO	5250	Ant4	168.204	Pass
NVNT	ax160 52@74 MIMO	5570	Ant1	168.038	Pass
NVNT	ax160 52@74 MIMO	5570	Ant2	168.221	Pass
NVNT	ax160 52@74 MIMO	5570	Ant3	167.796	Pass
NVNT	ax160 52@74 MIMO	5570	Ant4	169.059	Pass
NVNT	ax160 106@106 MIMO	5250	Ant1	167.015	Pass
NVNT	ax160 106@106 MIMO	5250	Ant2	167.408	Pass
NVNT	ax160 106@106 MIMO	5250	Ant3	166.919	Pass
NVNT	ax160 106@106 MIMO	5250	Ant4	166.979	Pass
NVNT	ax160 106@106 MIMO	5570	Ant1	166.494	Pass
NVNT	ax160 106@106 MIMO	5570	Ant2	166.601	Pass
NVNT	ax160 106@106 MIMO	5570	Ant3	162.965	Pass
NVNT	ax160 106@106 MIMO	5570	Ant4	166.588	Pass
NVNT	ax160 242@122 MIMO	5250	Ant1	165.9	Pass
NVNT	ax160 242@122 MIMO	5250	Ant2	166.214	Pass
NVNT	ax160 242@122 MIMO	5250	Ant3	166.31	Pass
NVNT	ax160 242@122 MIMO	5250	Ant4	166.446	Pass
NVNT	ax160 242@122 MIMO	5570	Ant1	165.297	Pass
NVNT	ax160 242@122 MIMO	5570	Ant2	165.869	Pass
NVNT	ax160 242@122 MIMO	5570	Ant3	166.812	Pass
NVNT	ax160 242@122 MIMO	5570	Ant4	166.109	Pass
NVNT	ax160 966@134 MIMO	5250	Ant1	166.572	Pass
NVNT	ax160 966@134 MIMO	5250	Ant2	169.4	Pass
NVNT	ax160 966@134 MIMO	5250	Ant3	167.5	Pass
NVNT	ax160 966@134 MIMO	5250	Ant4	166.932	Pass
NVNT	ax160 966@134 MIMO	5570	Ant1	234.948	Pass
NVNT	ax160 966@134 MIMO	5570	Ant2	181.508	Pass
NVNT	ax160 966@134 MIMO	5570	Ant3	238.564	Pass
NVNT	ax160 966@134 MIMO	5570	Ant4	239.646	Pass



Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a SISO	5745	Ant1	16.376	0.5	Pass
NVNT	a SISO	5785	Ant1	16.356	0.5	Pass
NVNT	a SISO	5825	Ant1	16.479	0.5	Pass
NVNT	a SISO	5745	Ant2	16.397	0.5	Pass
NVNT	a SISO	5785	Ant2	16.366	0.5	Pass
NVNT	a SISO	5825	Ant2	16.368	0.5	Pass
NVNT	a SISO	5745	Ant3	16.359	0.5	Pass
NVNT	a SISO	5785	Ant3	16.367	0.5	Pass
NVNT	a SISO	5825	Ant3	16.397	0.5	Pass
NVNT	a SISO	5745	Ant4	16.353	0.5	Pass
NVNT	a SISO	5785	Ant4	16.366	0.5	Pass
NVNT	a SISO	5825	Ant4	16.353	0.5	Pass
NVNT	n20 MIMO	5745	Ant1	17.666	0.5	Pass
NVNT	n20 MIMO	5745	Ant2	17.584	0.5	Pass
NVNT	n20 MIMO	5745	Ant3	17.567	0.5	Pass
NVNT	n20 MIMO	5745	Ant4	17.587	0.5	Pass
NVNT	n20 MIMO	5785	Ant1	17.632	0.5	Pass
NVNT	n20 MIMO	5785	Ant2	17.656	0.5	Pass
NVNT	n20 MIMO	5785	Ant3	17.642	0.5	Pass
NVNT	n20 MIMO	5785	Ant4	17.591	0.5	Pass
NVNT	n20 MIMO	5825	Ant1	17.615	0.5	Pass
NVNT	n20 MIMO	5825	Ant2	17.62	0.5	Pass
NVNT	n20 MIMO	5825	Ant3	17.612	0.5	Pass
NVNT	n20 MIMO	5825	Ant4	17.605	0.5	Pass
NVNT	n40 MIMO	5755	Ant1	36.294	0.5	Pass
NVNT	n40 MIMO	5755	Ant2	35.471	0.5	Pass
NVNT	n40 MIMO	5755	Ant3	35.634	0.5	Pass
NVNT	n40 MIMO	5755	Ant4	36.336	0.5	Pass
NVNT	n40 MIMO	5795	Ant1	35.712	0.5	Pass
NVNT	n40 MIMO	5795	Ant2	35.267	0.5	Pass
NVNT	n40 MIMO	5795	Ant3	36.289	0.5	Pass
NVNT	n40 MIMO	5795	Ant4	35.925	0.5	Pass
NVNT	ac20 MIMO	5745	Ant1	17.587	0.5	Pass
NVNT	ac20 MIMO	5745	Ant2	17.784	0.5	Pass
NVNT	ac20 MIMO	5745	Ant3	17.638	0.5	Pass



NVNT	ac20 MIMO	5745	Ant4	17.604	0.5	Pass
NVNT	ac20 MIMO	5785	Ant1	17.595	0.5	Pass
NVNT	ac20 MIMO	5785	Ant2	17.629	0.5	Pass
NVNT	ac20 MIMO	5785	Ant3	17.579	0.5	Pass
NVNT	ac20 MIMO	5785	Ant4	17.568	0.5	Pass
NVNT	ac20 MIMO	5825	Ant1	17.581	0.5	Pass
NVNT	ac20 MIMO	5825	Ant2	17.598	0.5	Pass
NVNT	ac20 MIMO	5825	Ant3	17.626	0.5	Pass
NVNT	ac20 MIMO	5825	Ant4	17.758	0.5	Pass
NVNT	ac40 MIMO	5755	Ant1	36.292	0.5	Pass
NVNT	ac40 MIMO	5755	Ant2	35.532	0.5	Pass
NVNT	ac40 MIMO	5755	Ant3	35.703	0.5	Pass
NVNT	ac40 MIMO	5755	Ant4	36.276	0.5	Pass
NVNT	ac40 MIMO	5795	Ant1	36.305	0.5	Pass
NVNT	ac40 MIMO	5795	Ant2	35.384	0.5	Pass
NVNT	ac40 MIMO	5795	Ant3	35.913	0.5	Pass
NVNT	ac40 MIMO	5795	Ant4	35.676	0.5	Pass
NVNT	ac80 MIMO	5775	Ant1	75.135	0.5	Pass
NVNT	ac80 MIMO	5775	Ant2	75.093	0.5	Pass
NVNT	ac80 MIMO	5775	Ant3	75.125	0.5	Pass
NVNT	ac80 MIMO	5775	Ant4	75.667	0.5	Pass
NVNT	ax20 MIMO	5745	Ant1	18.99	0.5	Pass
NVNT	ax20 MIMO	5745	Ant2	19.021	0.5	Pass
NVNT	ax20 MIMO	5745	Ant3	19.158	0.5	Pass
NVNT	ax20 MIMO	5745	Ant4	19.112	0.5	Pass
NVNT	ax20 MIMO	5785	Ant1	19.023	0.5	Pass
NVNT	ax20 MIMO	5785	Ant2	19.008	0.5	Pass
NVNT	ax20 MIMO	5785	Ant3	19.064	0.5	Pass
NVNT	ax20 MIMO	5785	Ant4	18.872	0.5	Pass
NVNT	ax20 MIMO	5825	Ant1	19.009	0.5	Pass
NVNT	ax20 MIMO	5825	Ant2	19.038	0.5	Pass
NVNT	ax20 MIMO	5825	Ant3	19.093	0.5	Pass
NVNT	ax20 MIMO	5825	Ant4	19.047	0.5	Pass
NVNT	ax40 MIMO	5755	Ant1	37.122	0.5	Pass
NVNT	ax40 MIMO	5755	Ant2	37.335	0.5	Pass
NVNT	ax40 MIMO	5755	Ant3	36.936	0.5	Pass
NVNT	ax40 MIMO	5755	Ant4	36.101	0.5	Pass
NVNT	ax40 MIMO	5795	Ant1	37.629	0.5	Pass



NVNT	ax40 MIMO	5795	Ant2	38.038	0.5	Pass
NVNT	ax40 MIMO	5795	Ant3	37.462	0.5	Pass
NVNT	ax40 MIMO	5795	Ant4	37.516	0.5	Pass
NVNT	ax80 MIMO	5775	Ant1	76.717	0.5	Pass
NVNT	ax80 MIMO	5775	Ant2	76.973	0.5	Pass
NVNT	ax80 MIMO	5775	Ant3	76.952	0.5	Pass
NVNT	ax80 MIMO	5775	Ant4	77.023	0.5	Pass
NVNT	ax20 52@37 MIMO	5745	Ant1	17.252	0.5	Pass
NVNT	ax20 52@37 MIMO	5745	Ant2	18.306	0.5	Pass
NVNT	ax20 52@37 MIMO	5745	Ant3	17.989	0.5	Pass
NVNT	ax20 52@37 MIMO	5745	Ant4	18.277	0.5	Pass
NVNT	ax20 52@37 MIMO	5785	Ant1	18.303	0.5	Pass
NVNT	ax20 52@37 MIMO	5785	Ant2	18.027	0.5	Pass
NVNT	ax20 52@37 MIMO	5785	Ant3	18.054	0.5	Pass
NVNT	ax20 52@37 MIMO	5785	Ant4	18.286	0.5	Pass
NVNT	ax20 52@37 MIMO	5825	Ant1	18.278	0.5	Pass
NVNT	ax20 52@37 MIMO	5825	Ant2	17.653	0.5	Pass
NVNT	ax20 52@37 MIMO	5825	Ant3	18.035	0.5	Pass
NVNT	ax20 52@37 MIMO	5825	Ant4	18.3	0.5	Pass
NVNT	ax20 106@53 MIMO	5745	Ant1	18.973	0.5	Pass
NVNT	ax20 106@53 MIMO	5745	Ant2	19.002	0.5	Pass
NVNT	ax20 106@53 MIMO	5745	Ant3	18.936	0.5	Pass
NVNT	ax20 106@53 MIMO	5745	Ant4	18.944	0.5	Pass
NVNT	ax20 106@53 MIMO	5785	Ant1	18.966	0.5	Pass
NVNT	ax20 106@53 MIMO	5785	Ant2	18.95	0.5	Pass
NVNT	ax20 106@53 MIMO	5785	Ant3	18.932	0.5	Pass
NVNT	ax20 106@53 MIMO	5785	Ant4	19.098	0.5	Pass
NVNT	ax20 106@53 MIMO	5825	Ant1	18.957	0.5	Pass
NVNT	ax20 106@53 MIMO	5825	Ant2	19.046	0.5	Pass
NVNT	ax20 106@53 MIMO	5825	Ant3	18.947	0.5	Pass
NVNT	ax20 106@53 MIMO	5825	Ant4	19.047	0.5	Pass
NVNT	ax40 52@37 MIMO	5755	Ant1	36.609	0.5	Pass
NVNT	ax40 52@37 MIMO	5755	Ant2	35.32	0.5	Pass
NVNT	ax40 52@37 MIMO	5755	Ant3	36.527	0.5	Pass
NVNT	ax40 52@37 MIMO	5755	Ant4	36.547	0.5	Pass
NVNT	ax40 106@53 MIMO	5755	Ant1	36.395	0.5	Pass
NVNT	ax40 106@53 MIMO	5755	Ant2	33.86	0.5	Pass
NVNT	ax40 106@53 MIMO	5755	Ant3	36.432	0.5	Pass



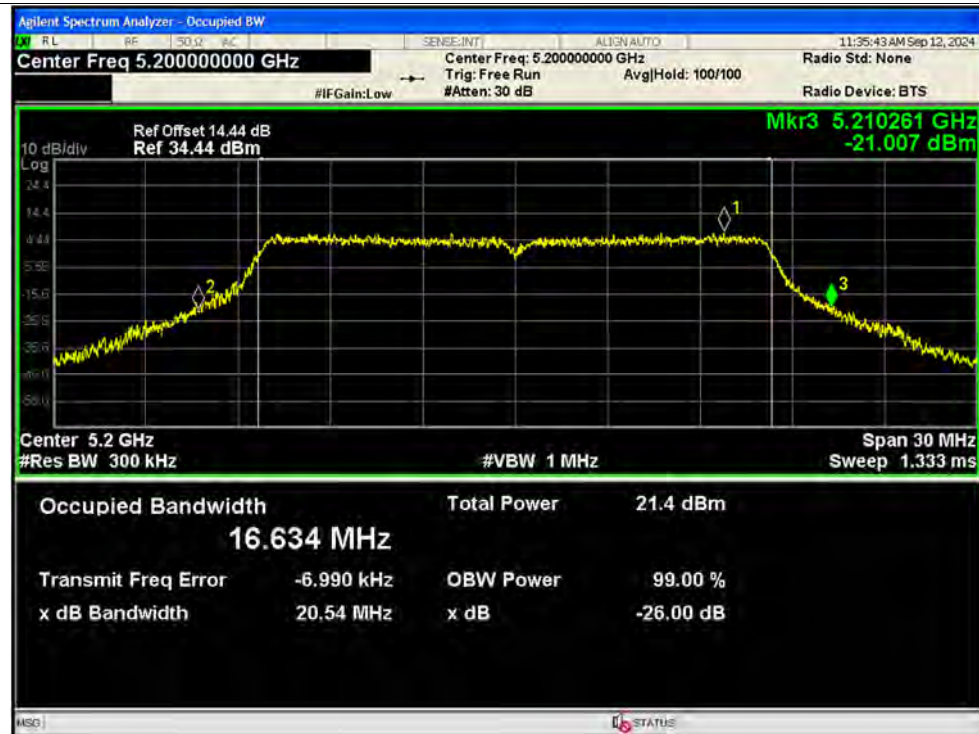
NVNT	ax40 106@53 MIMO	5755	Ant4	32.723	0.5	Pass
NVNT	ax40 242@61 MIMO	5755	Ant1	35.124	0.5	Pass
NVNT	ax40 242@61 MIMO	5755	Ant2	35.123	0.5	Pass
NVNT	ax40 242@61 MIMO	5755	Ant3	35.301	0.5	Pass
NVNT	ax40 242@61 MIMO	5755	Ant4	33.821	0.5	Pass
NVNT	ax40 242@61 MIMO	5795	Ant1	35.368	0.5	Pass
NVNT	ax40 242@61 MIMO	5795	Ant2	35.062	0.5	Pass
NVNT	ax40 242@61 MIMO	5795	Ant3	30.127	0.5	Pass
NVNT	ax40 242@61 MIMO	5795	Ant4	35.016	0.5	Pass
NVNT	ax80 52@37 MIMO	5775	Ant1	76.578	0.5	Pass
NVNT	ax80 52@37 MIMO	5775	Ant2	76.565	0.5	Pass
NVNT	ax80 52@37 MIMO	5775	Ant3	76.599	0.5	Pass
NVNT	ax80 52@37 MIMO	5775	Ant4	74.097	0.5	Pass
NVNT	ax80 106@53 MIMO	5775	Ant1	76.513	0.5	Pass
NVNT	ax80 106@53 MIMO	5775	Ant2	75.283	0.5	Pass
NVNT	ax80 106@53 MIMO	5775	Ant3	76.526	0.5	Pass
NVNT	ax80 106@53 MIMO	5775	Ant4	76.536	0.5	Pass
NVNT	ax80 242@61 MIMO	5775	Ant1	74.783	0.5	Pass
NVNT	ax80 242@61 MIMO	5775	Ant2	76.054	0.5	Pass
NVNT	ax80 242@61 MIMO	5775	Ant3	76.059	0.5	Pass
NVNT	ax80 242@61 MIMO	5775	Ant4	76.007	0.5	Pass
NVNT	ax80 484@65 MIMO	5775	Ant1	75.122	0.5	Pass
NVNT	ax80 484@65 MIMO	5775	Ant2	75.15	0.5	Pass
NVNT	ax80 484@65 MIMO	5775	Ant3	75.13	0.5	Pass
NVNT	ax80 484@65 MIMO	5775	Ant4	75.108	0.5	Pass

Test Graphs

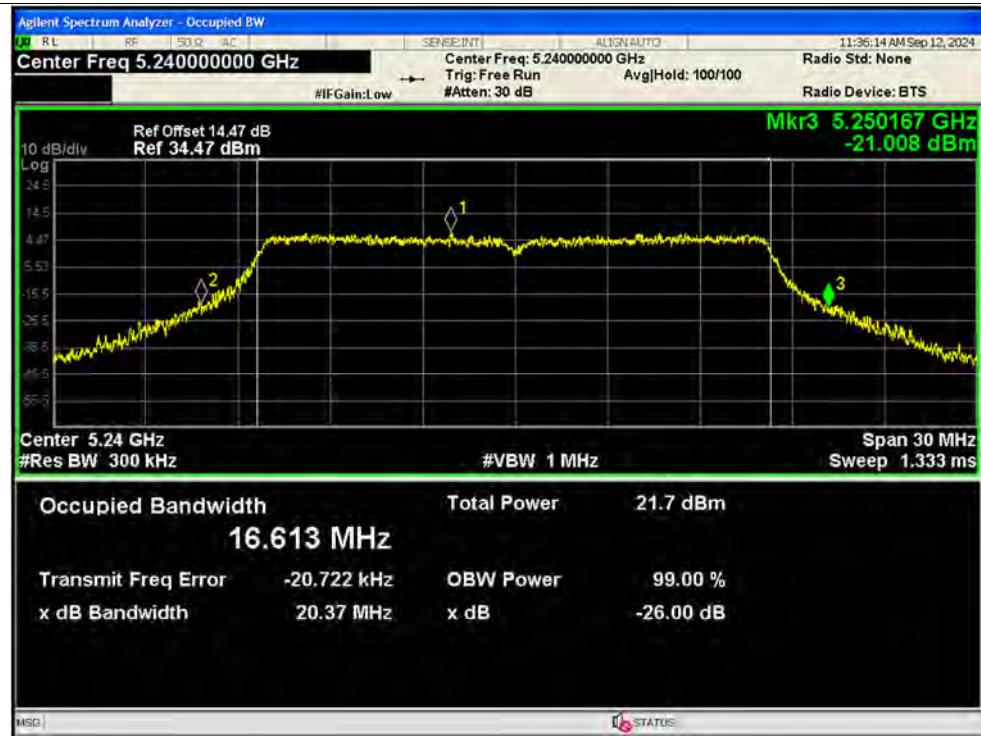
-26dB Bandwidth NVNT a 5180MHz Ant1 SISO



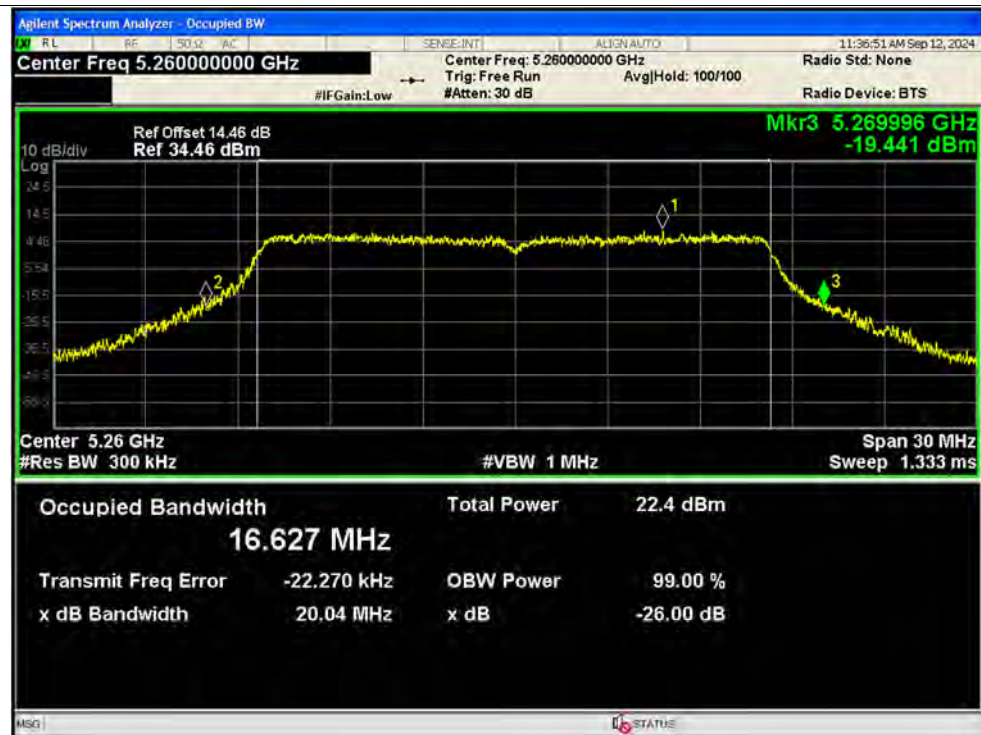
-26dB Bandwidth NVNT a 5200MHz Ant1 SISO



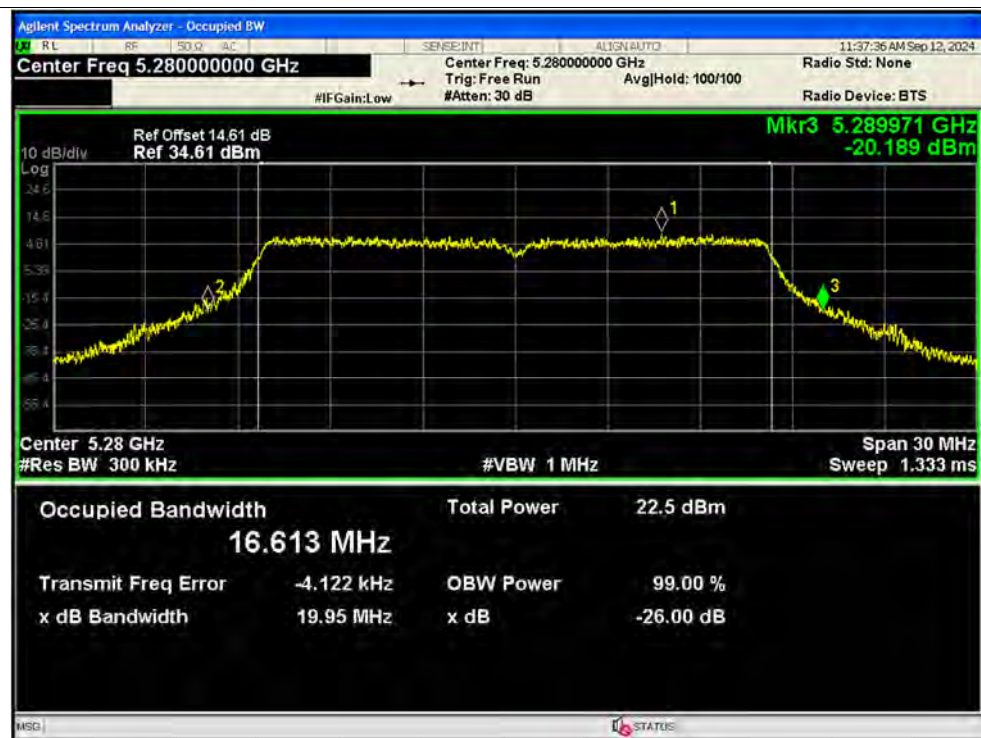
-26dB Bandwidth NVNT a 5240MHz Ant1 SISO



-26dB Bandwidth NVNT a 5260MHz Ant1 SISO



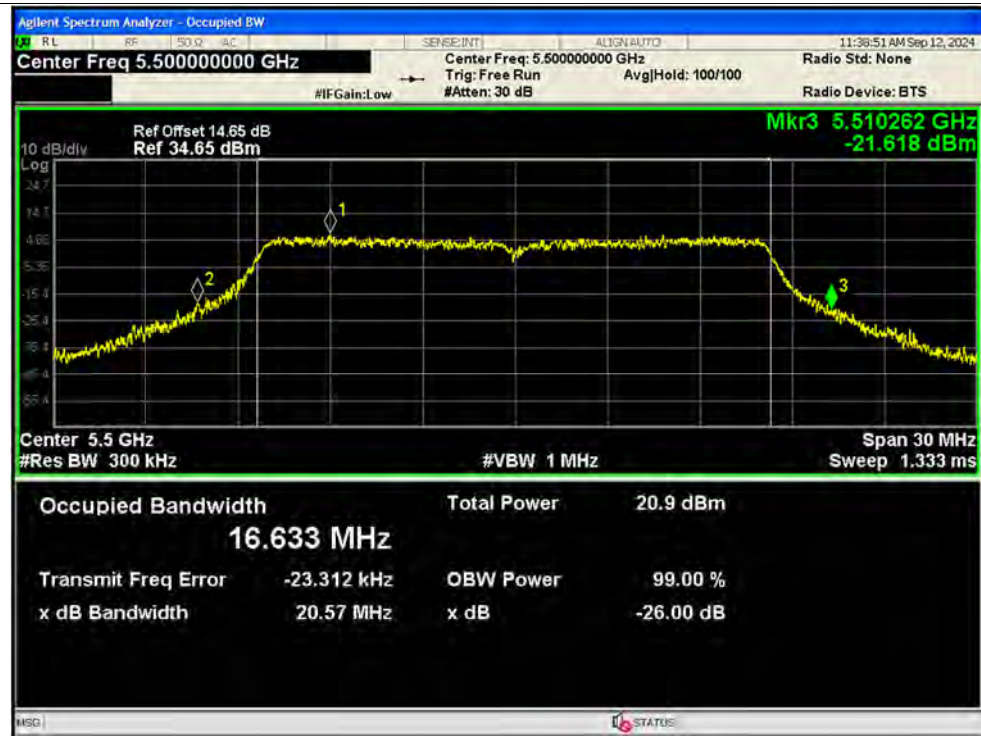
-26dB Bandwidth NVNT a 5280MHz Ant1 SISO



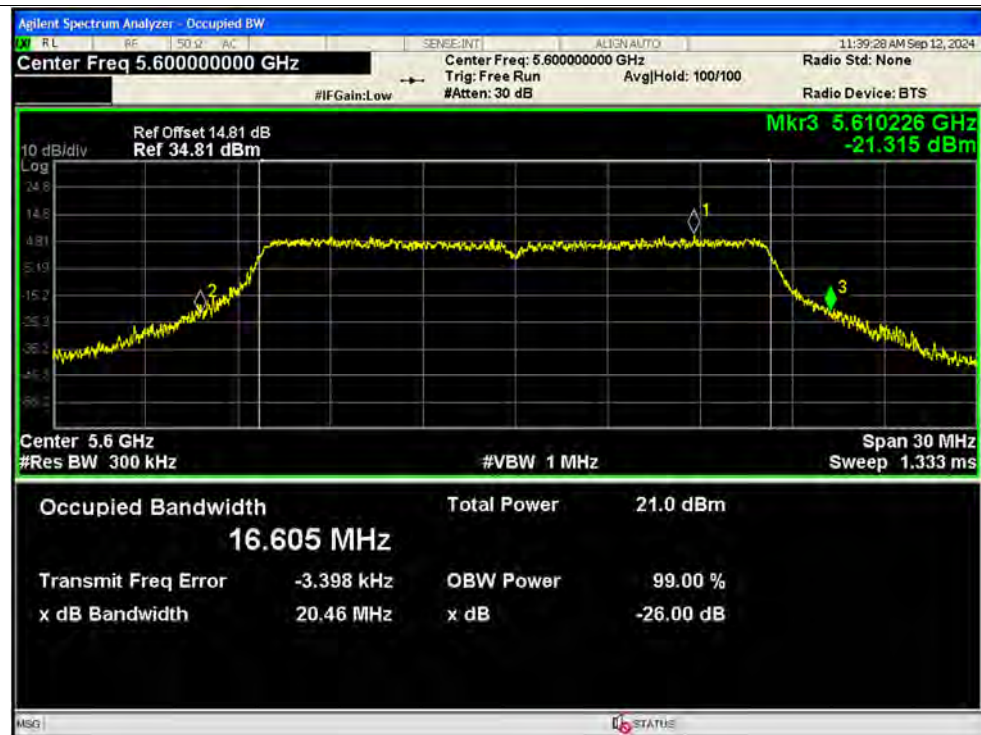
-26dB Bandwidth NVNT a 5320MHz Ant1 SISO



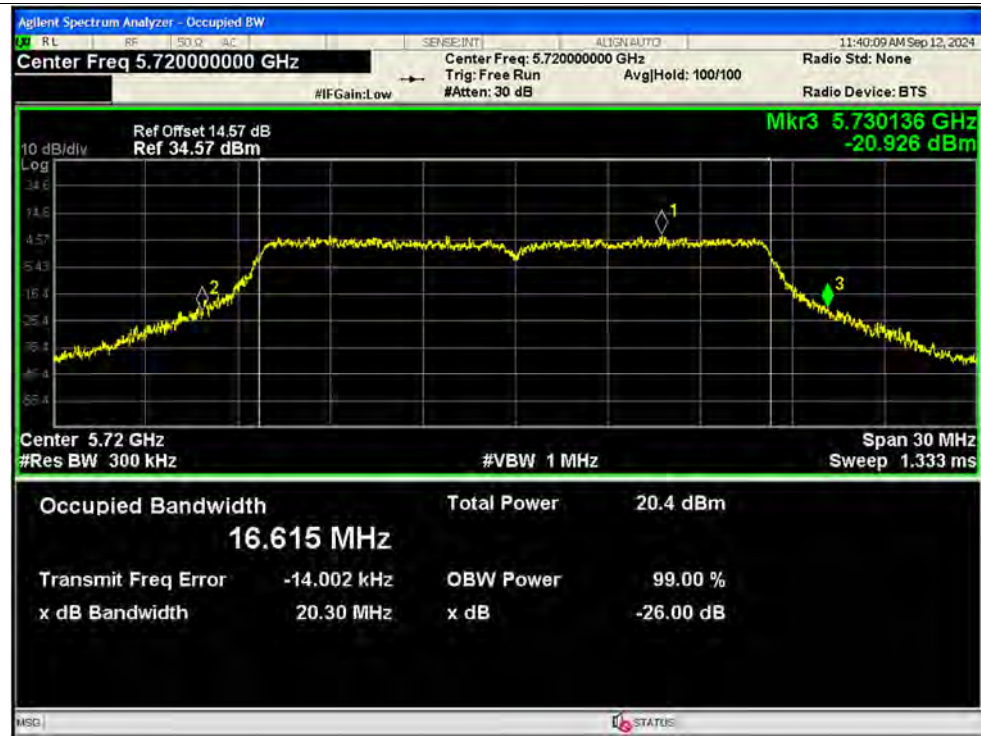
-26dB Bandwidth NVNT a 5500MHz Ant1 SISO



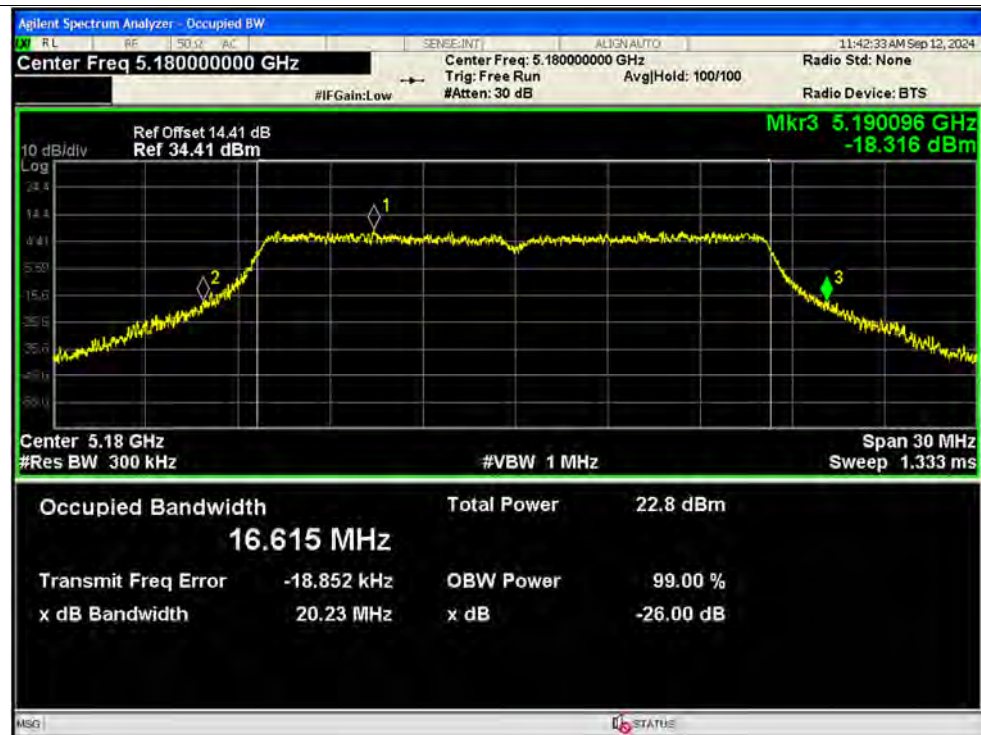
-26dB Bandwidth NVNT a 5600MHz Ant1 SISO



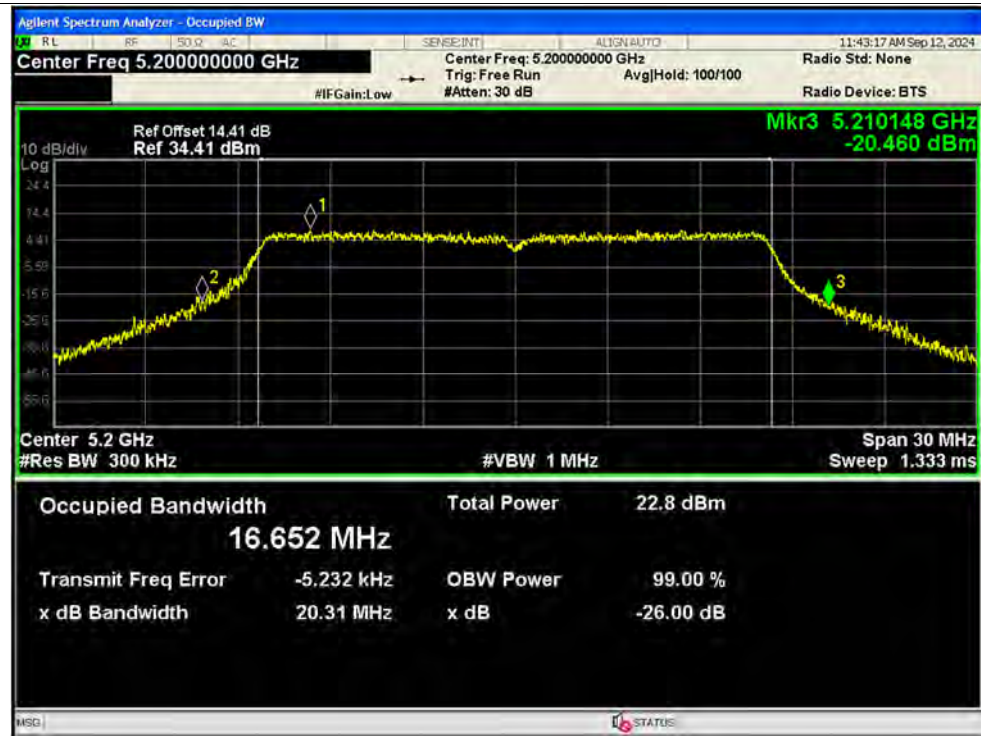
-26dB Bandwidth NVNT a 5720MHz Ant1 SISO



-26dB Bandwidth NVNT a 5180MHz Ant2 SISO



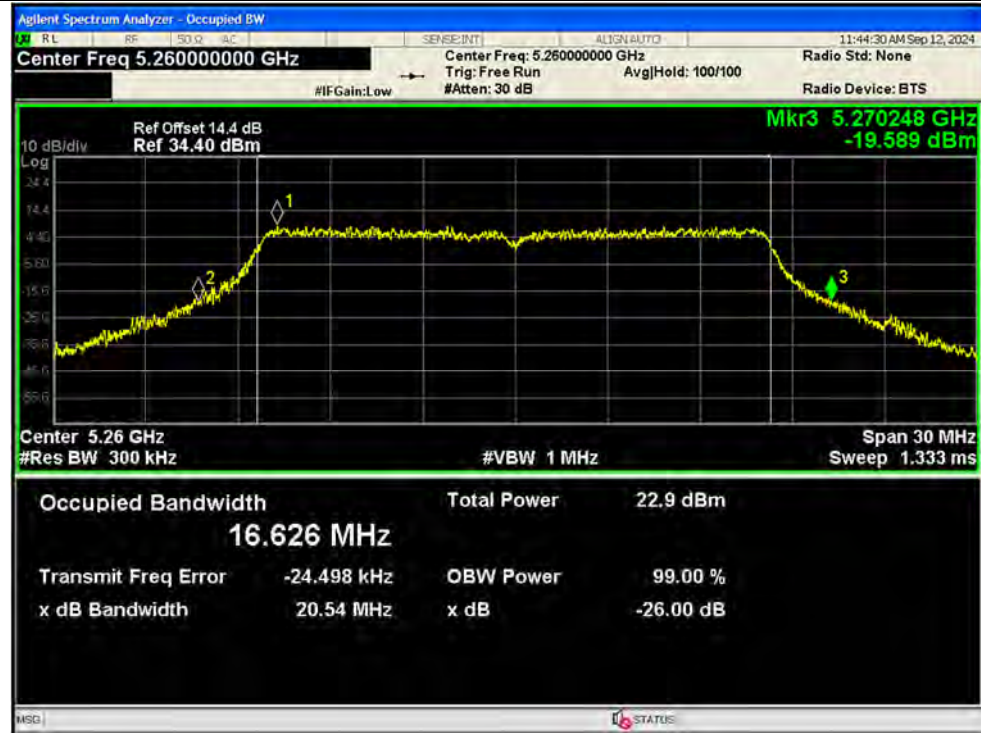
-26dB Bandwidth NVNT a 5200MHz Ant2 SISO



-26dB Bandwidth NVNT a 5240MHz Ant2 SISO



-26dB Bandwidth NVNT a 5260MHz Ant2 SISO



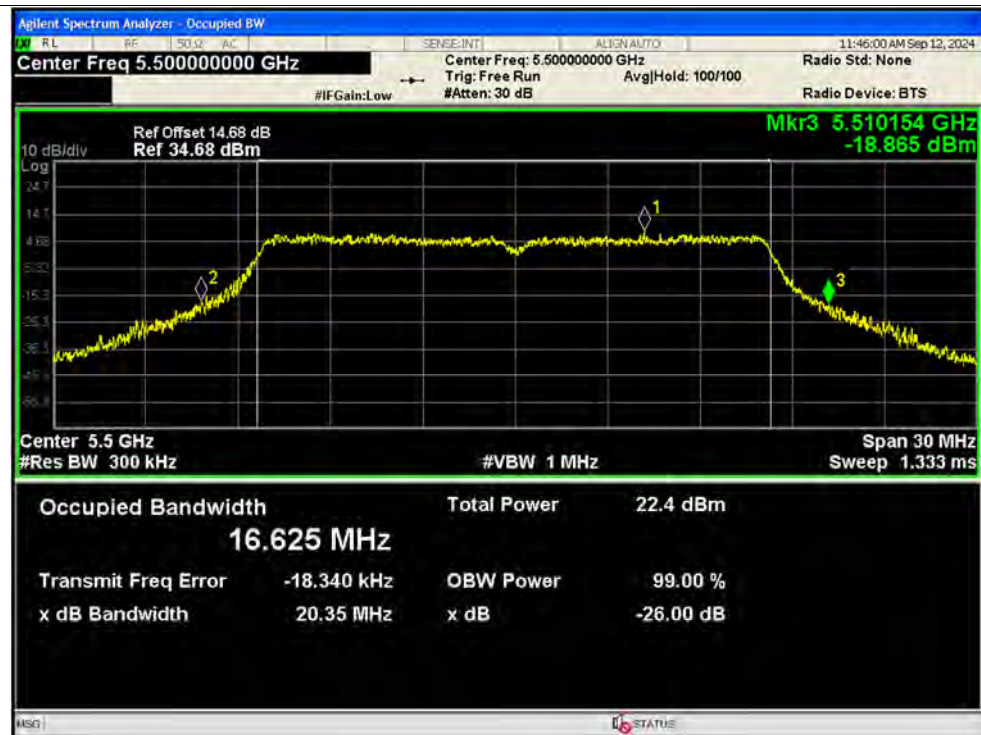
-26dB Bandwidth NVNT a 5280MHz Ant2 SISO



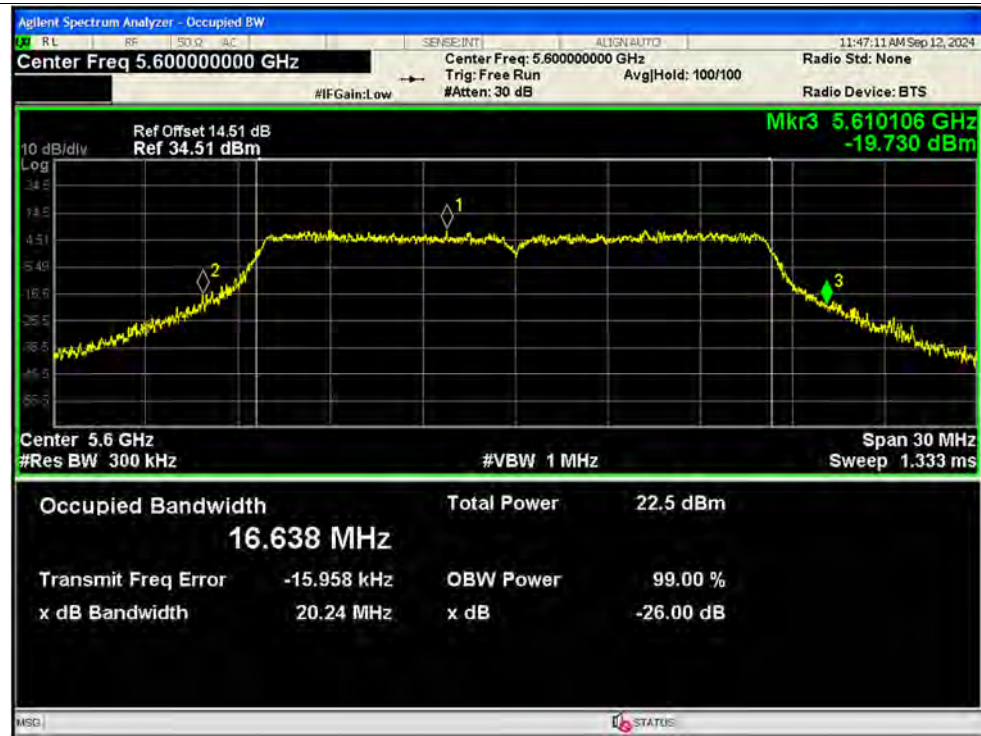
-26dB Bandwidth NVNT a 5320MHz Ant2 SISO



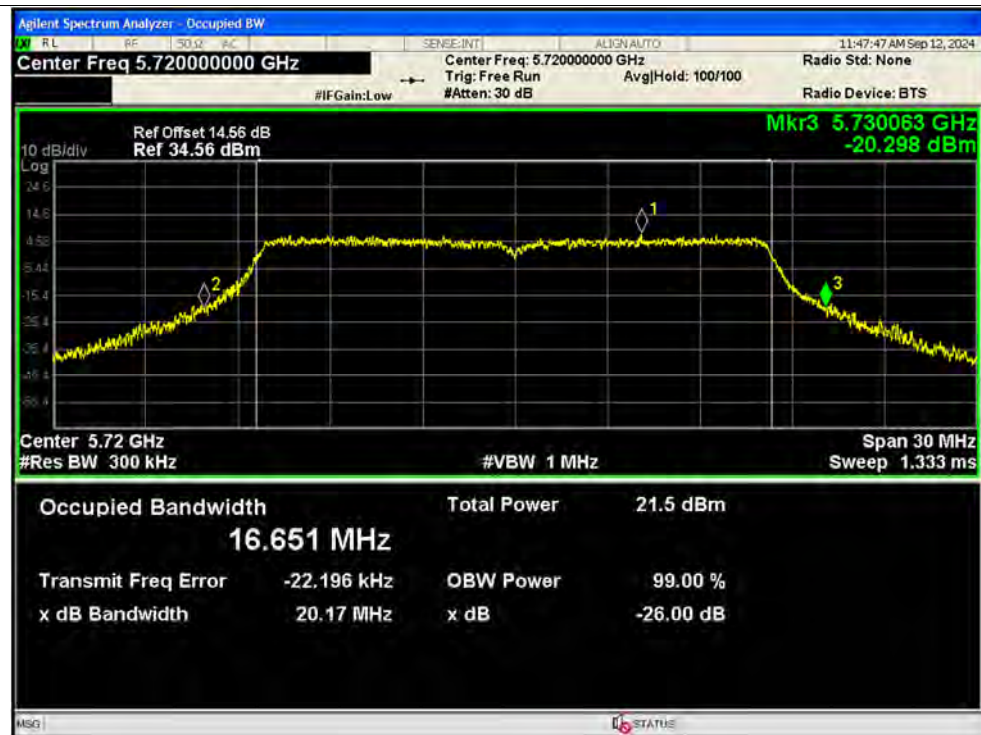
-26dB Bandwidth NVNT a 5500MHz Ant2 SISO



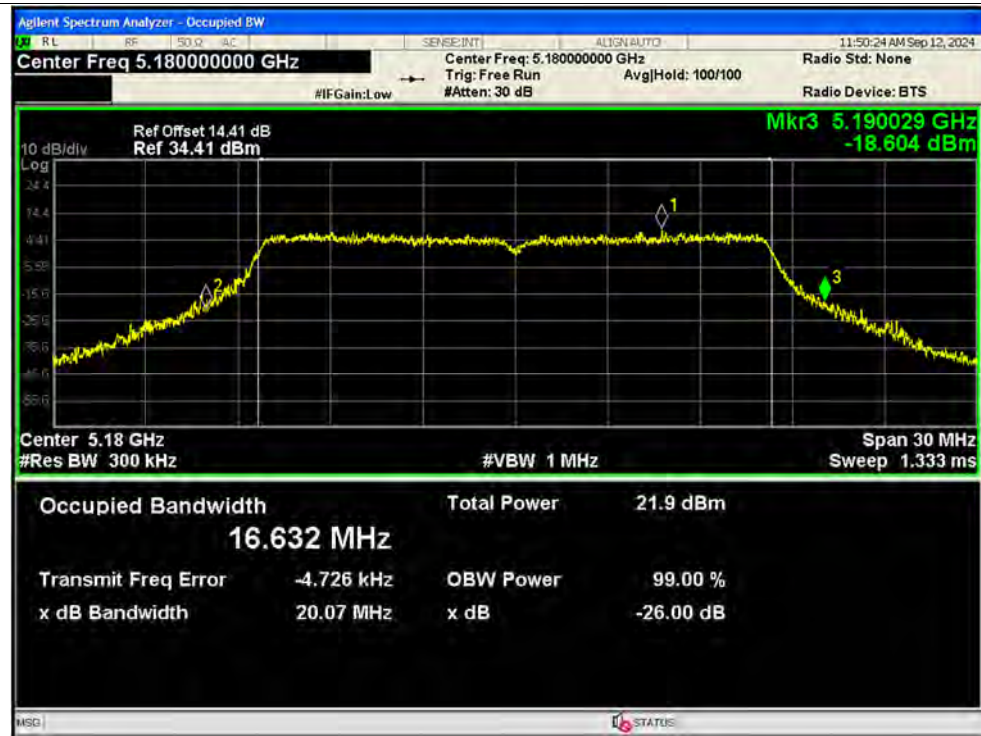
-26dB Bandwidth NVNT a 5600MHz Ant2 SISO



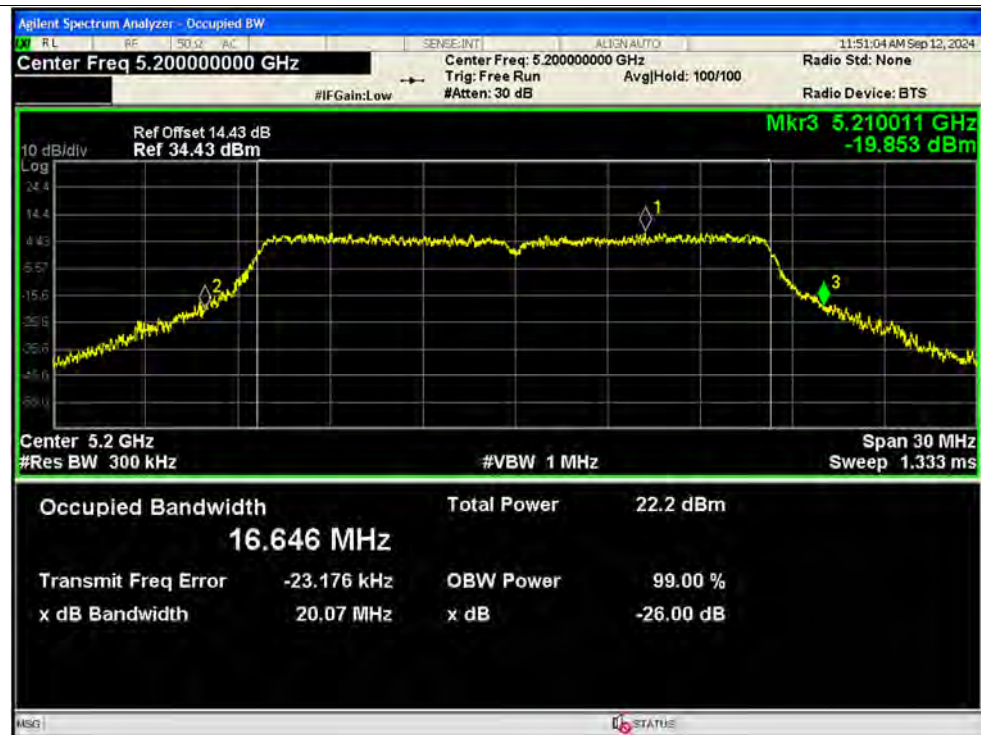
-26dB Bandwidth NVNT a 5720MHz Ant2 SISO



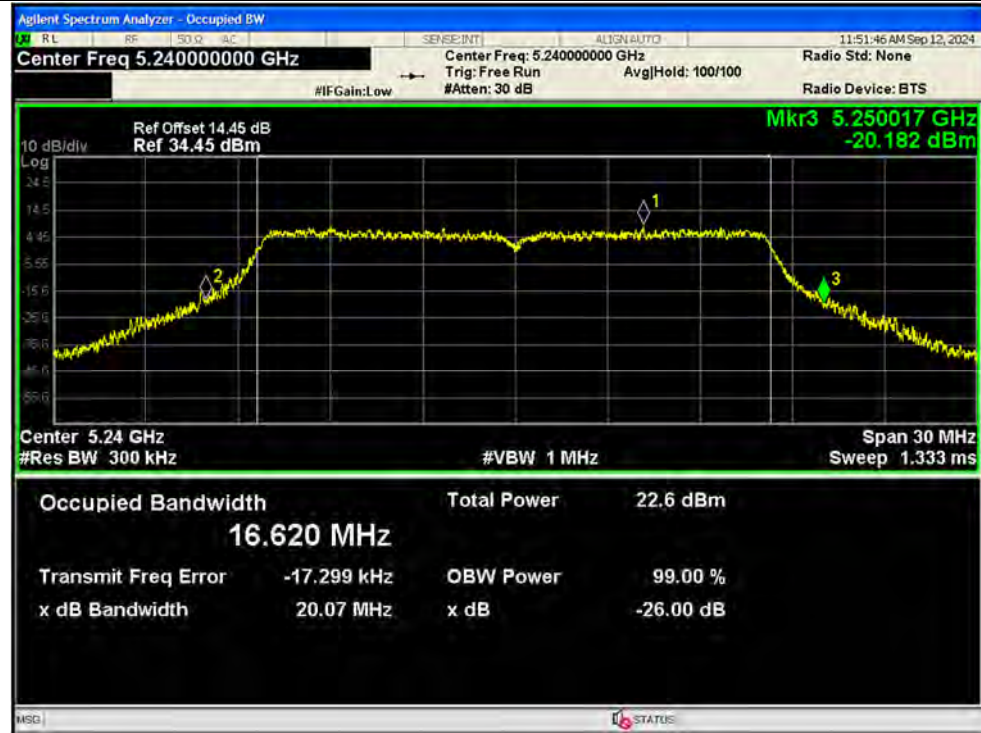
-26dB Bandwidth NVNT a 5180MHz Ant3 SISO



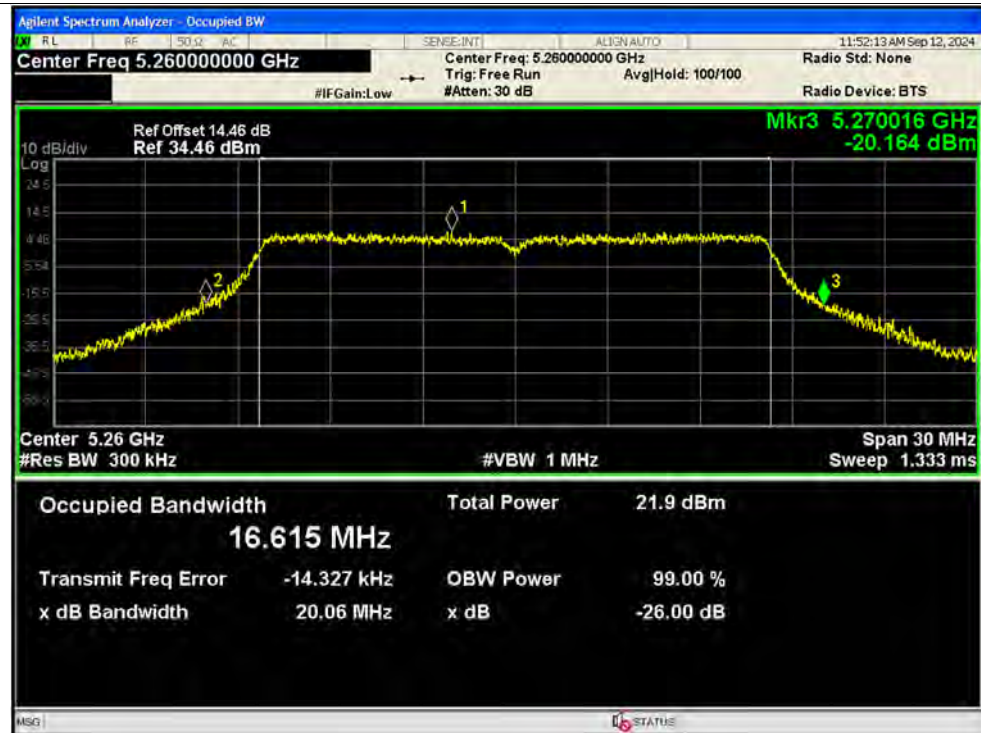
-26dB Bandwidth NVNT a 5200MHz Ant3 SISO



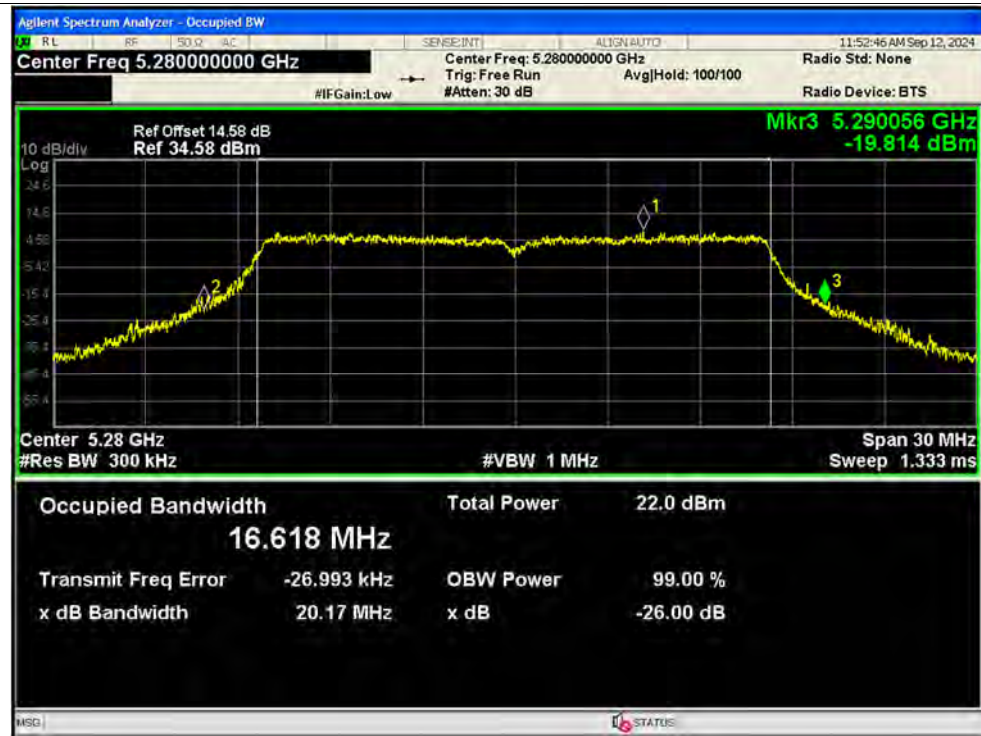
-26dB Bandwidth NVNT a 5240MHz Ant3 SISO



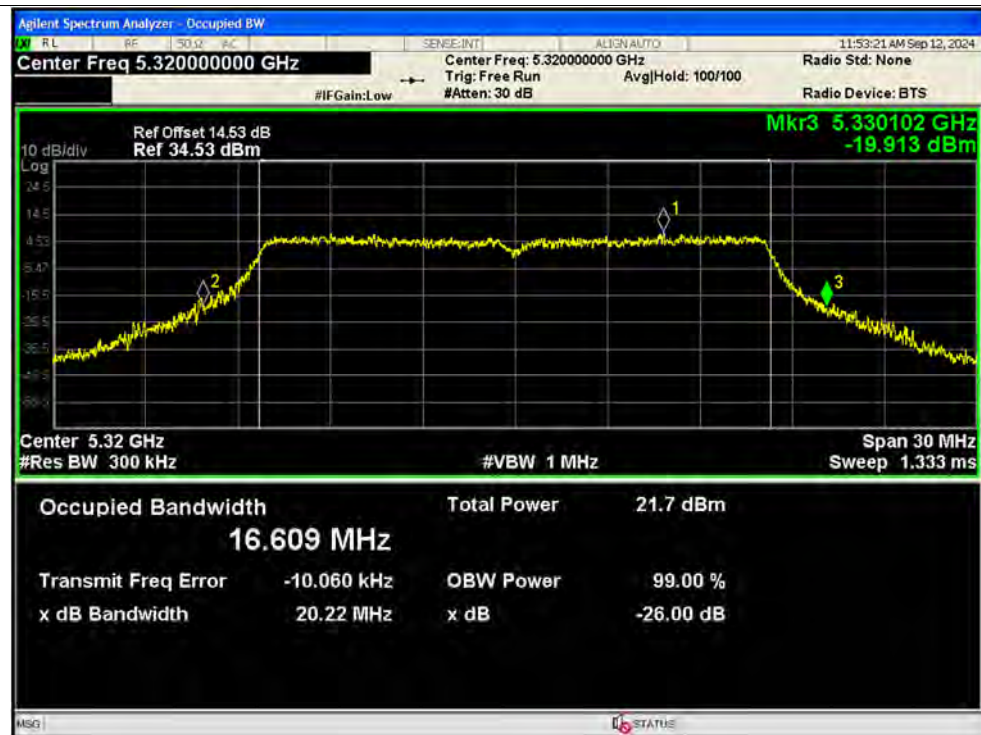
-26dB Bandwidth NVNT a 5260MHz Ant3 SISO



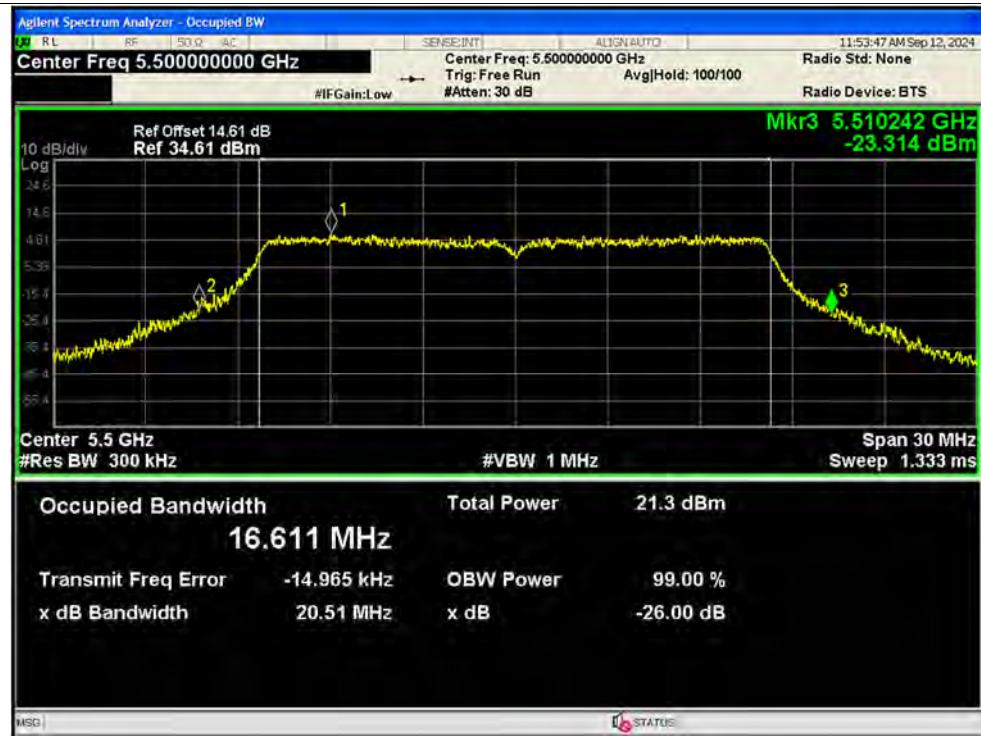
-26dB Bandwidth NVNT a 5280MHz Ant3 SISO



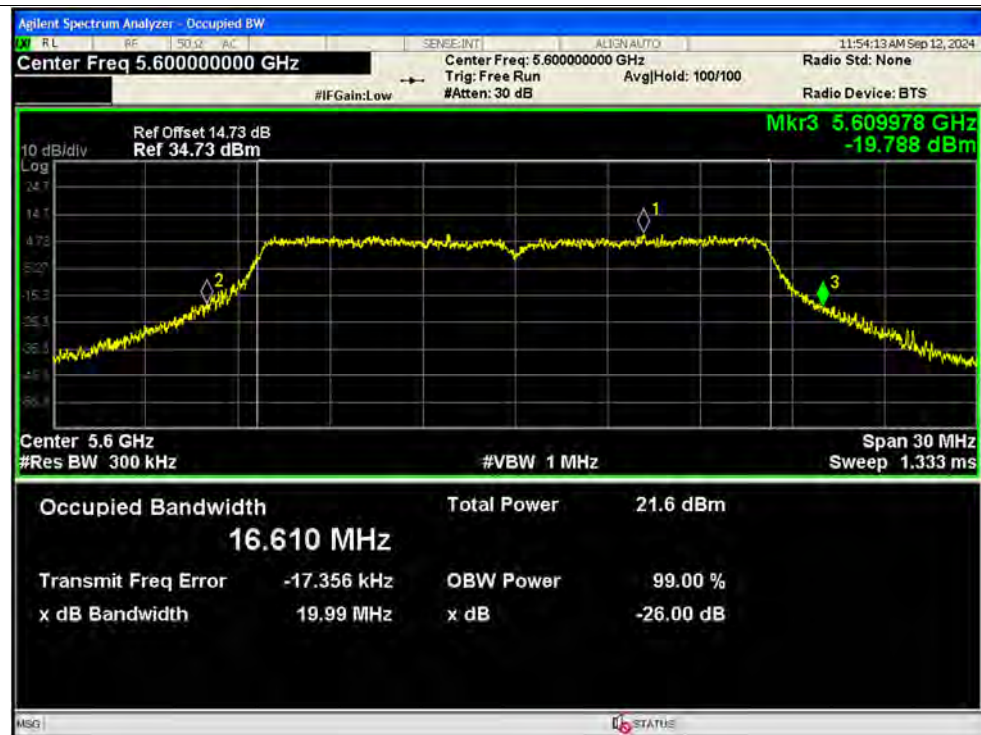
-26dB Bandwidth NVNT a 5320MHz Ant3 SISO



-26dB Bandwidth NVNT a 5500MHz Ant3 SISO



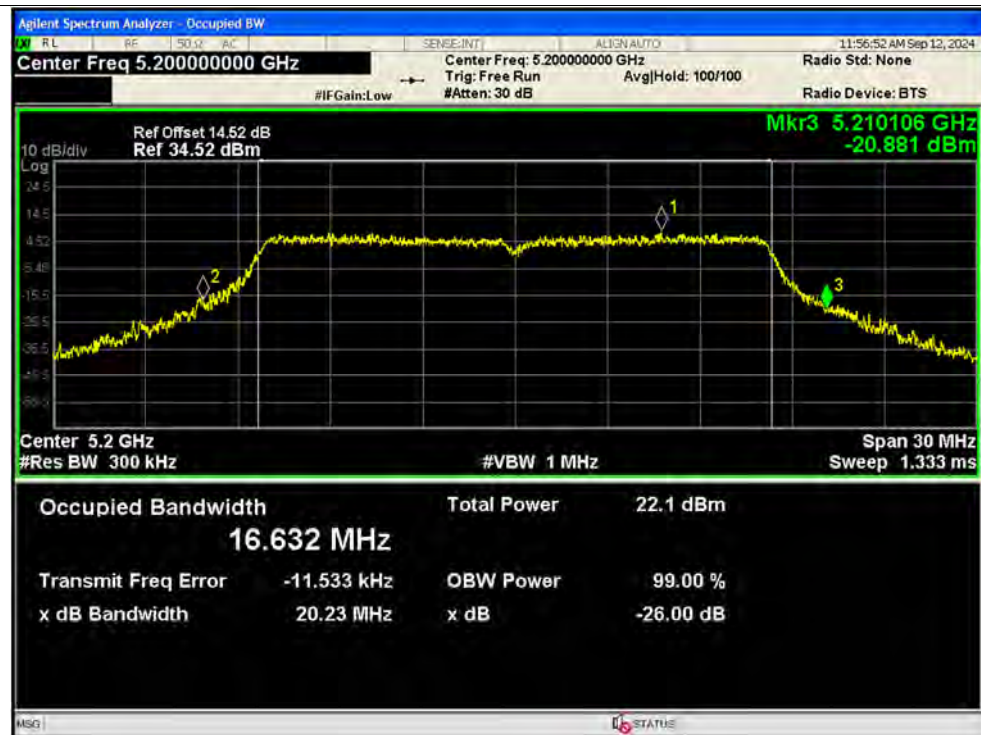
-26dB Bandwidth NVNT a 5600MHz Ant3 SISO



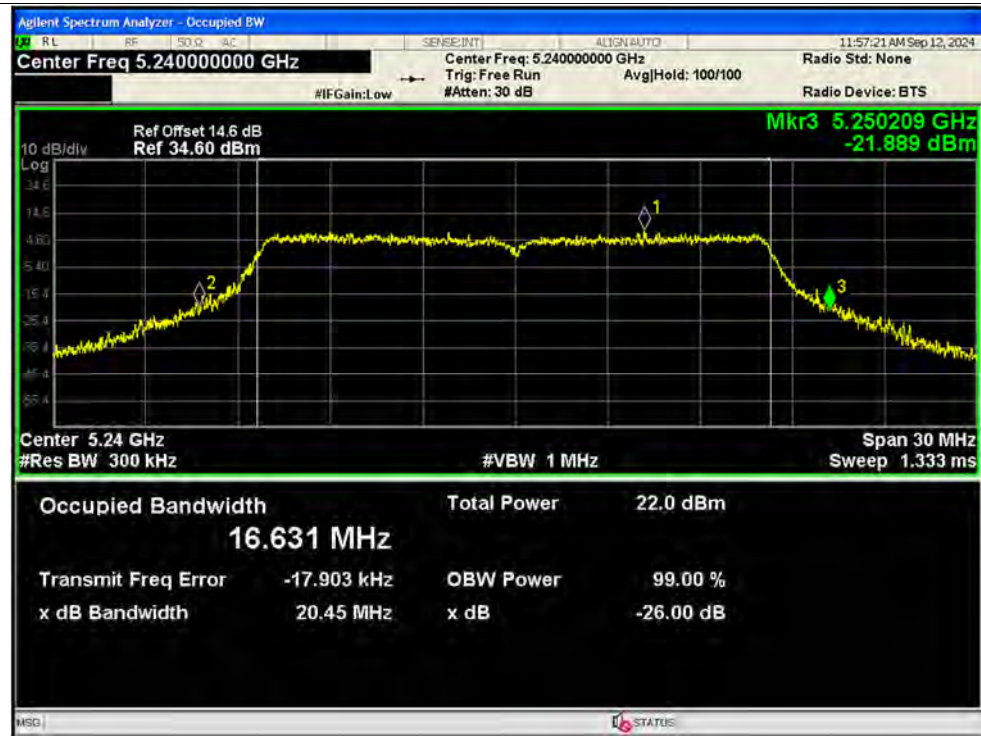
-26dB Bandwidth NVNT a 5180MHz Ant4 SISO



-26dB Bandwidth NVNT a 5200MHz Ant4 SISO



-26dB Bandwidth NVNT a 5240MHz Ant4 SISO



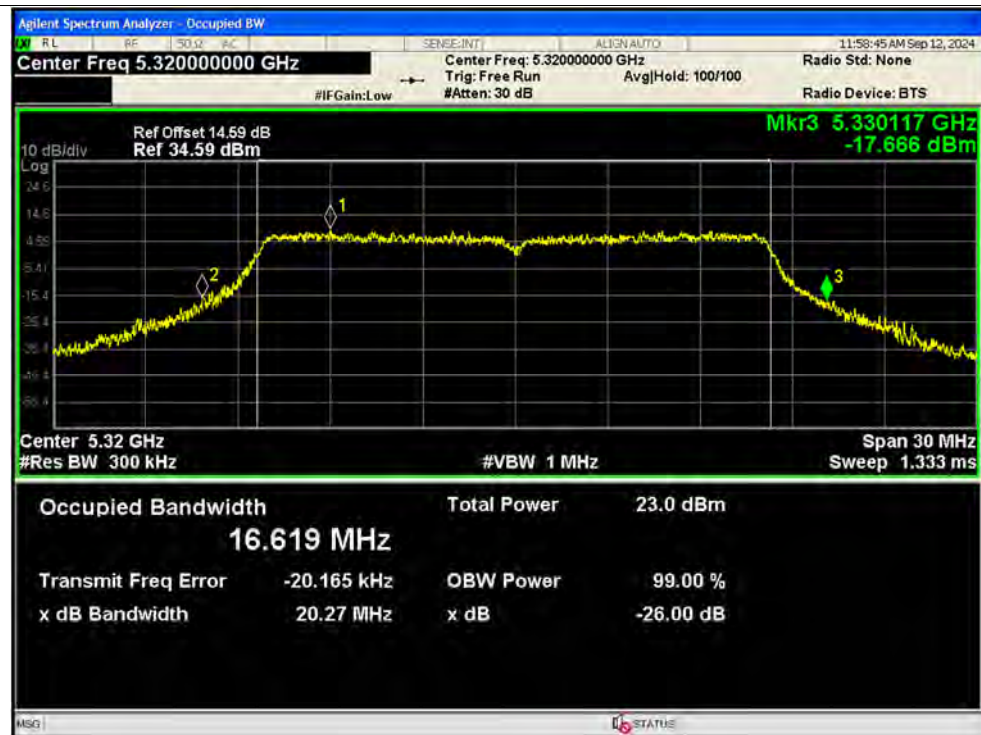
-26dB Bandwidth NVNT a 5260MHz Ant4 SISO



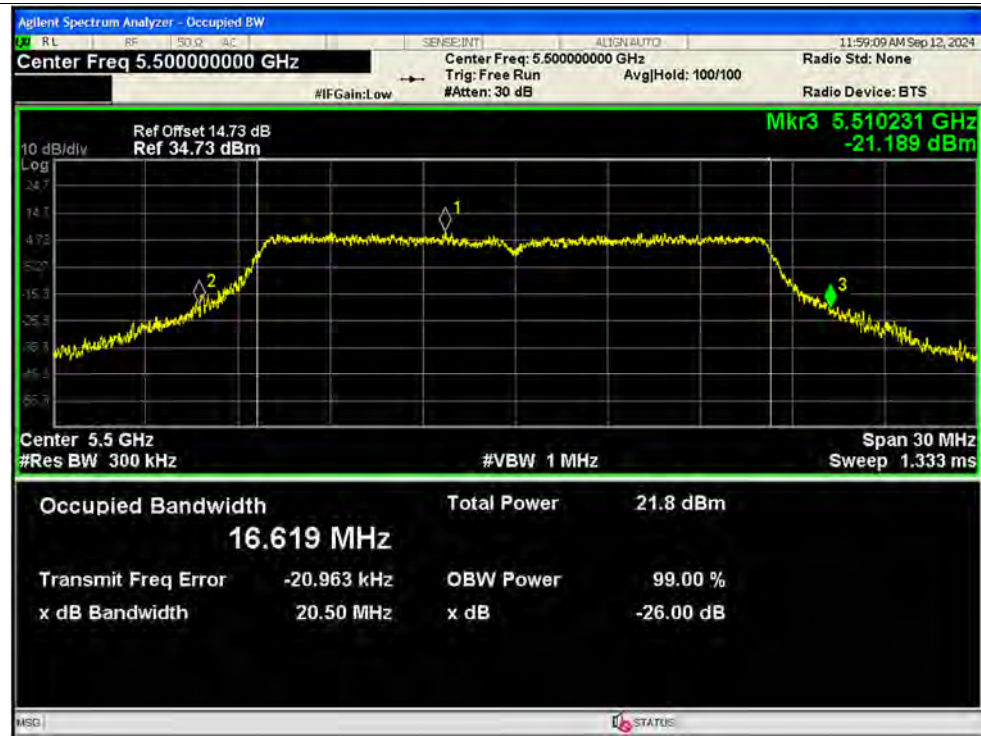
-26dB Bandwidth NVNT a 5280MHz Ant4 SISO



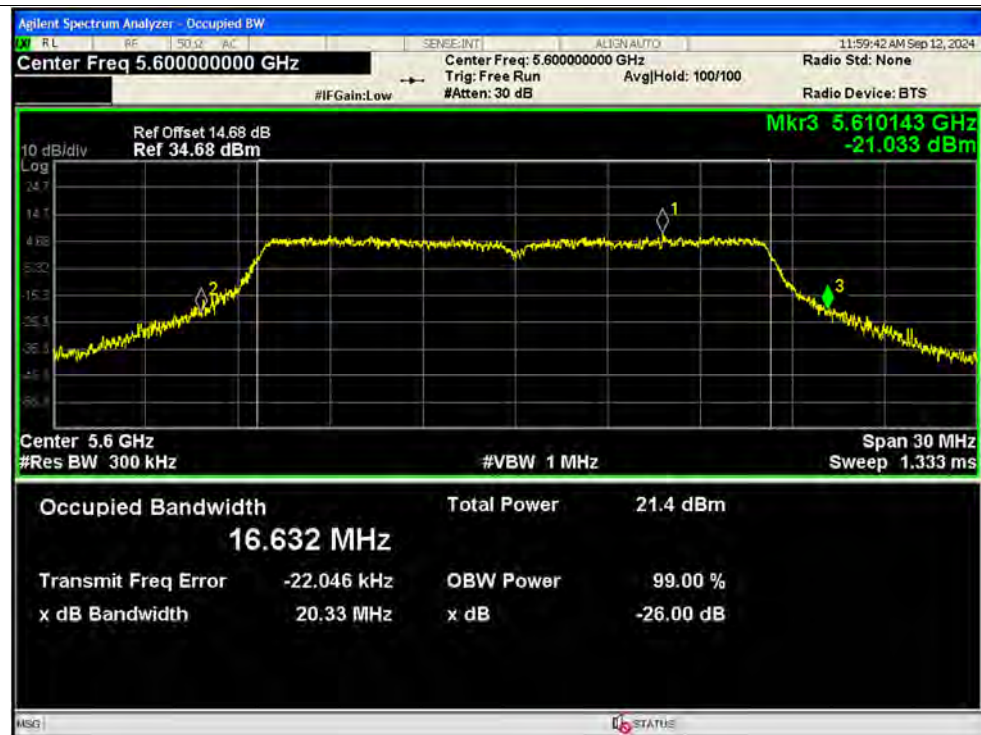
-26dB Bandwidth NVNT a 5320MHz Ant4 SISO

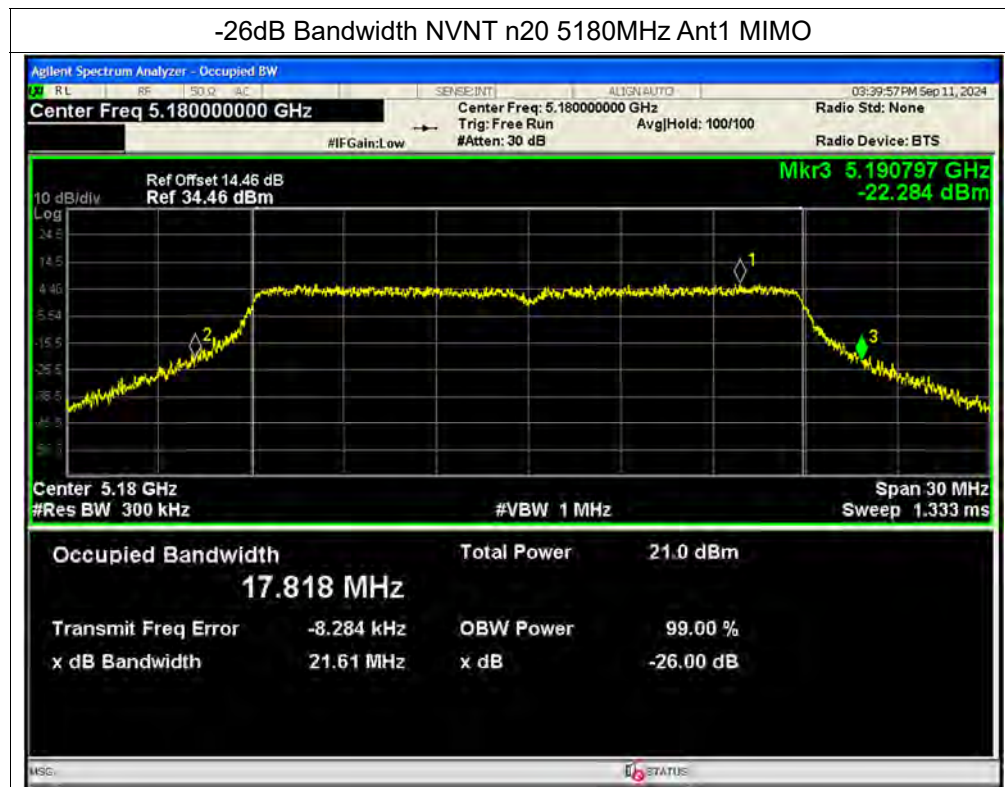


-26dB Bandwidth NVNT a 5500MHz Ant4 SISO

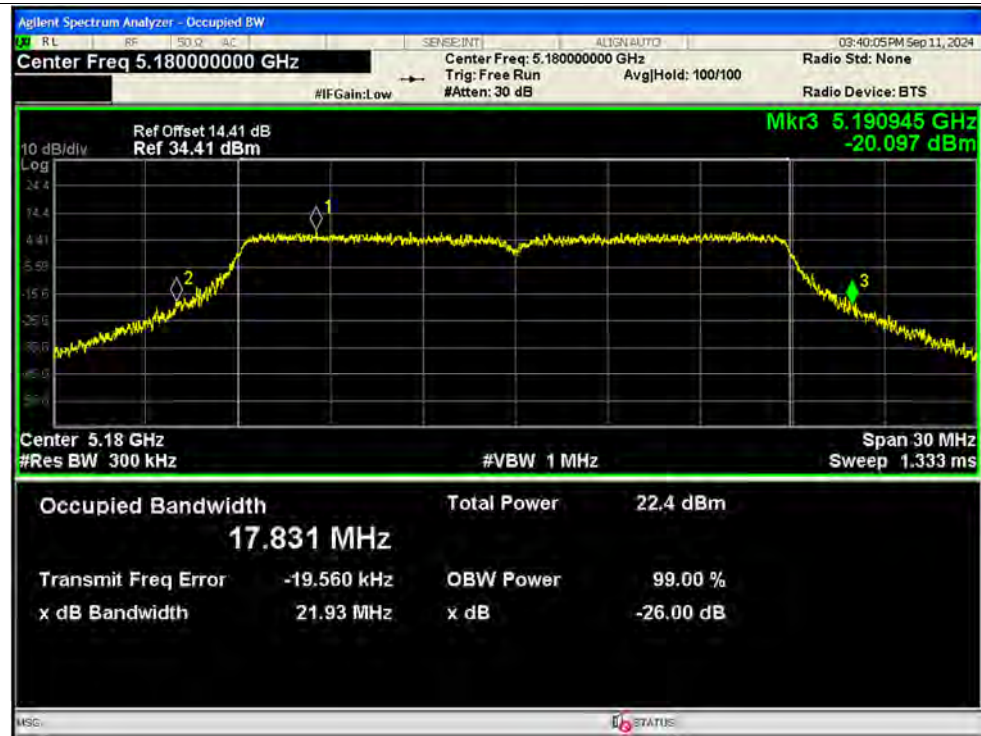


-26dB Bandwidth NVNT a 5600MHz Ant4 SISO

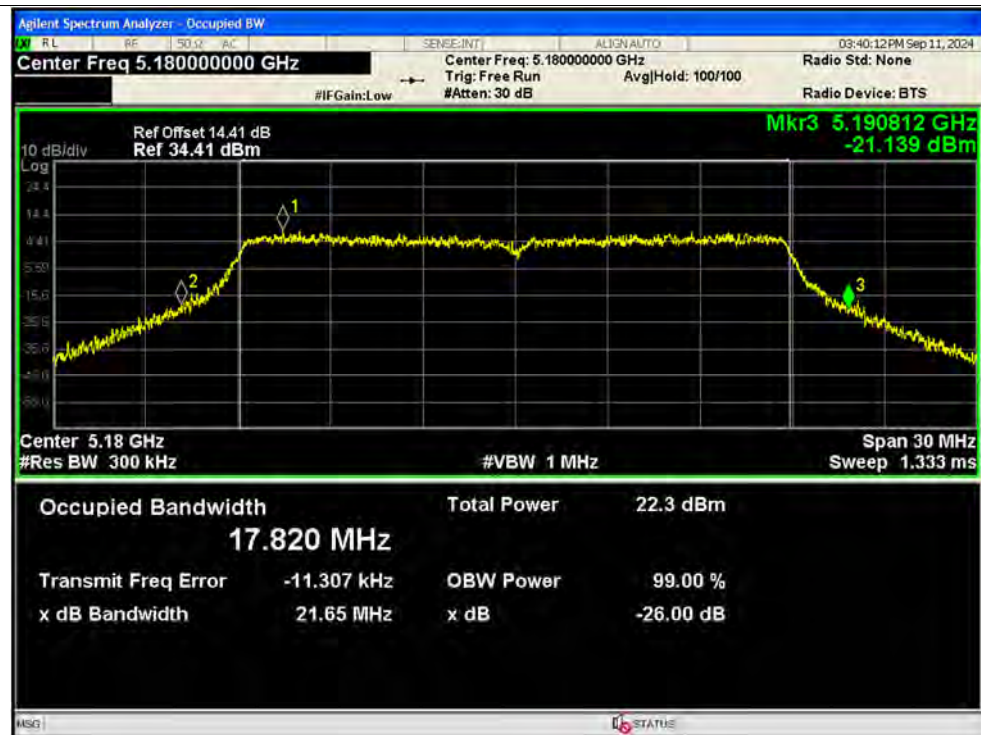




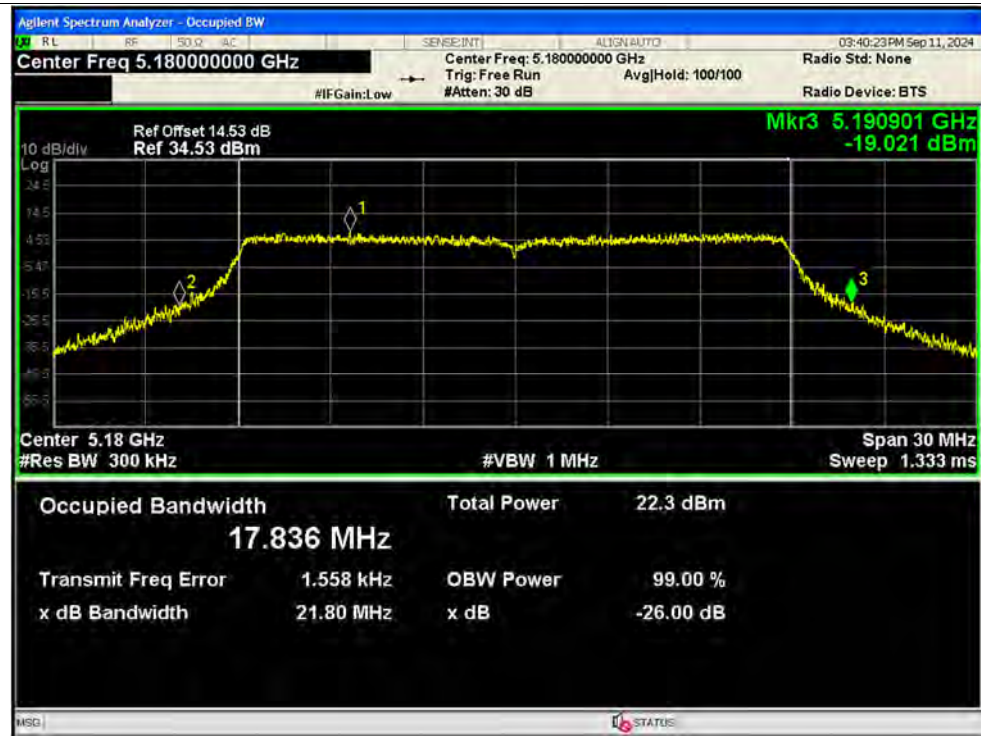
-26dB Bandwidth NVNT n20 5180MHz Ant2 MIMO



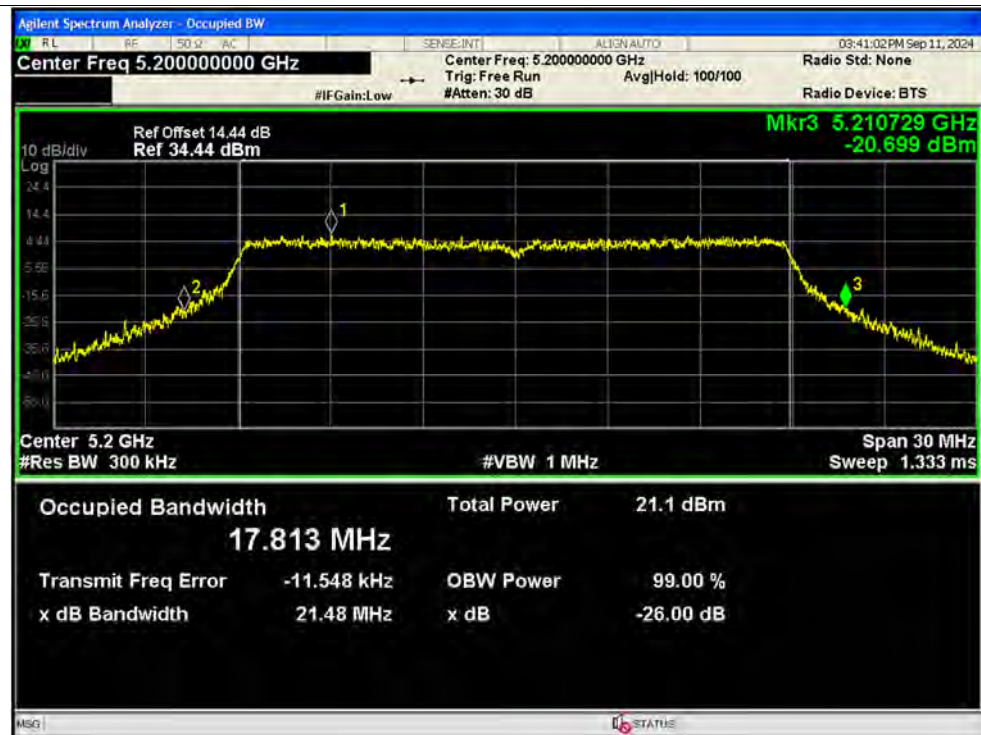
-26dB Bandwidth NVNT n20 5180MHz Ant3 MIMO



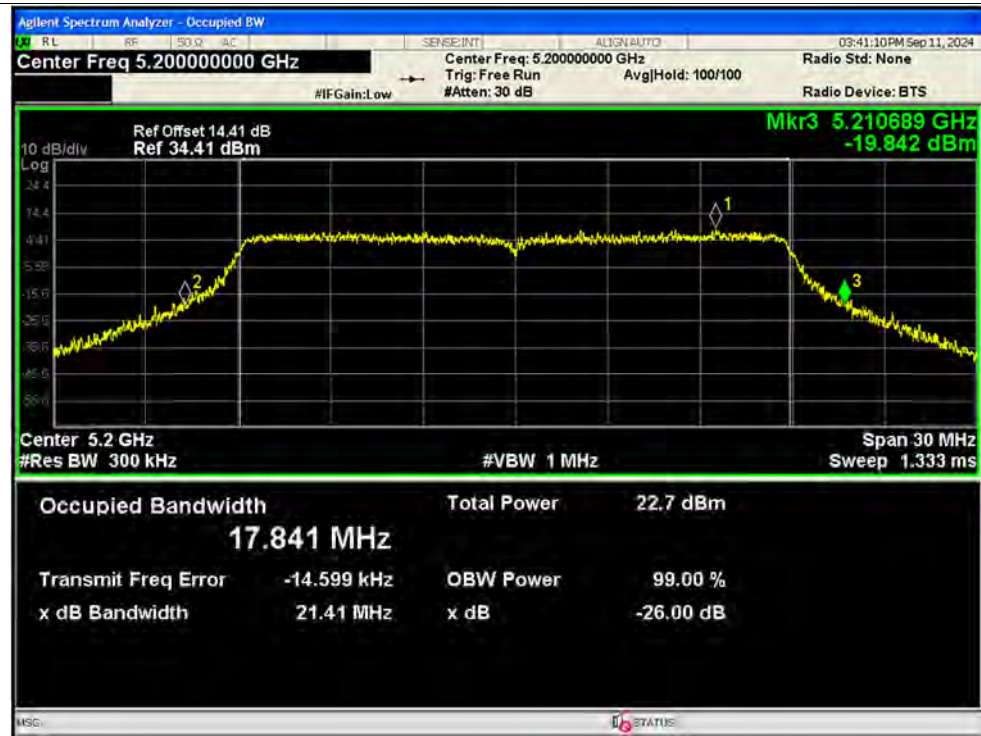
-26dB Bandwidth NVNT n20 5180MHz Ant4 MIMO



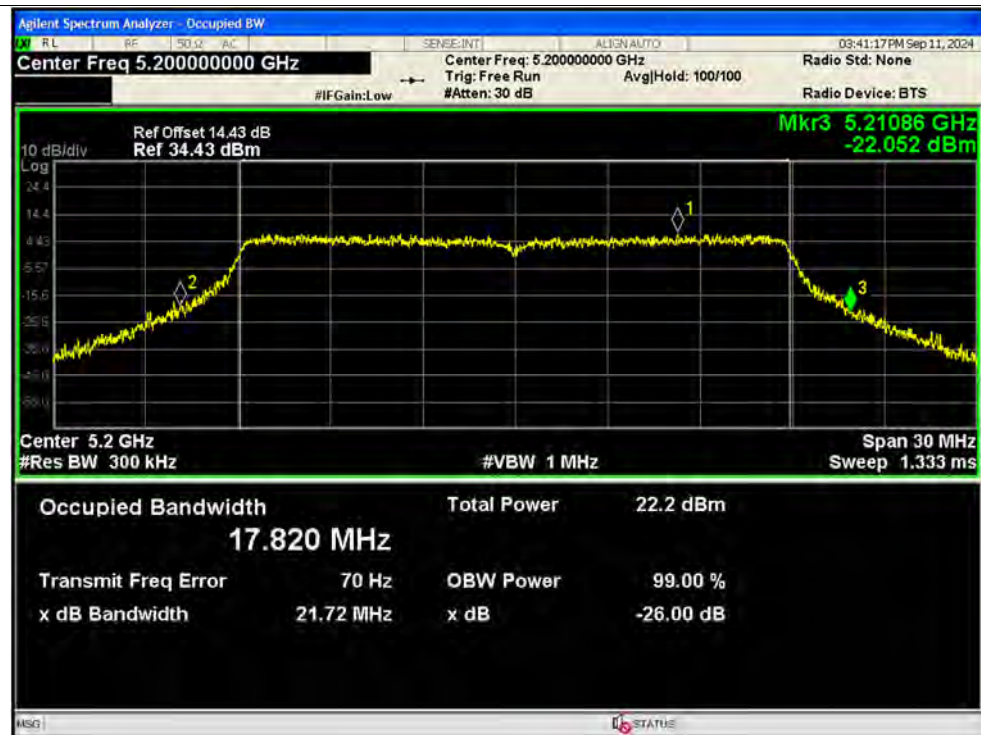
-26dB Bandwidth NVNT n20 5200MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5200MHz Ant2 MIMO

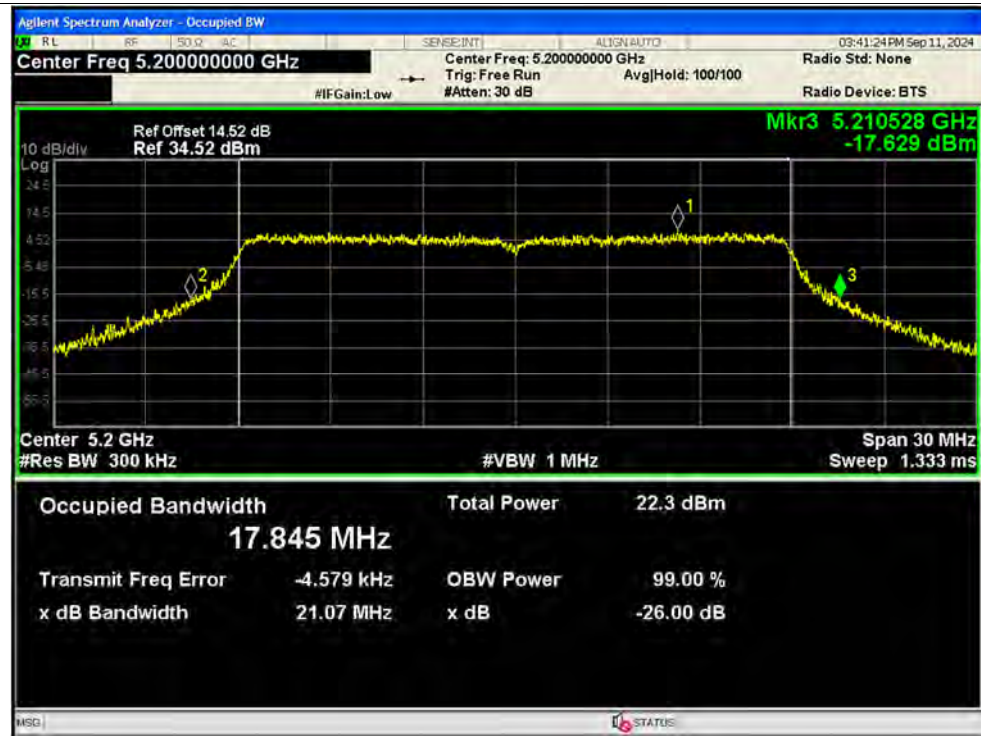


-26dB Bandwidth NVNT n20 5200MHz Ant3 MIMO





-26dB Bandwidth NVNT n20 5200MHz Ant4 MIMO

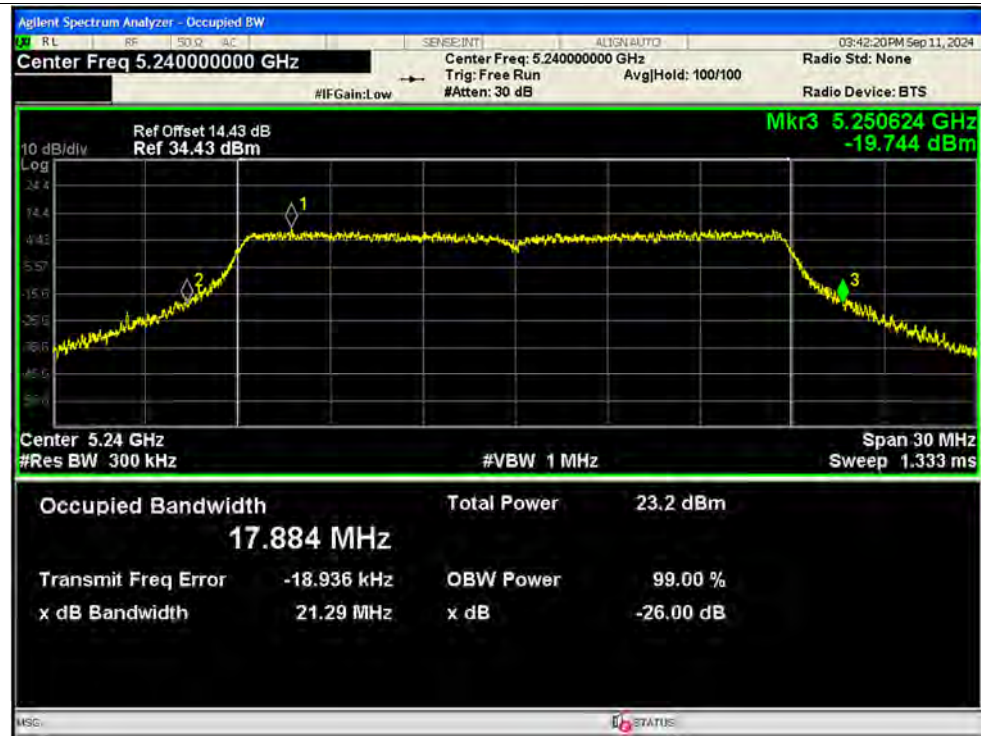


-26dB Bandwidth NVNT n20 5240MHz Ant1 MIMO





-26dB Bandwidth NVNT n20 5240MHz Ant2 MIMO

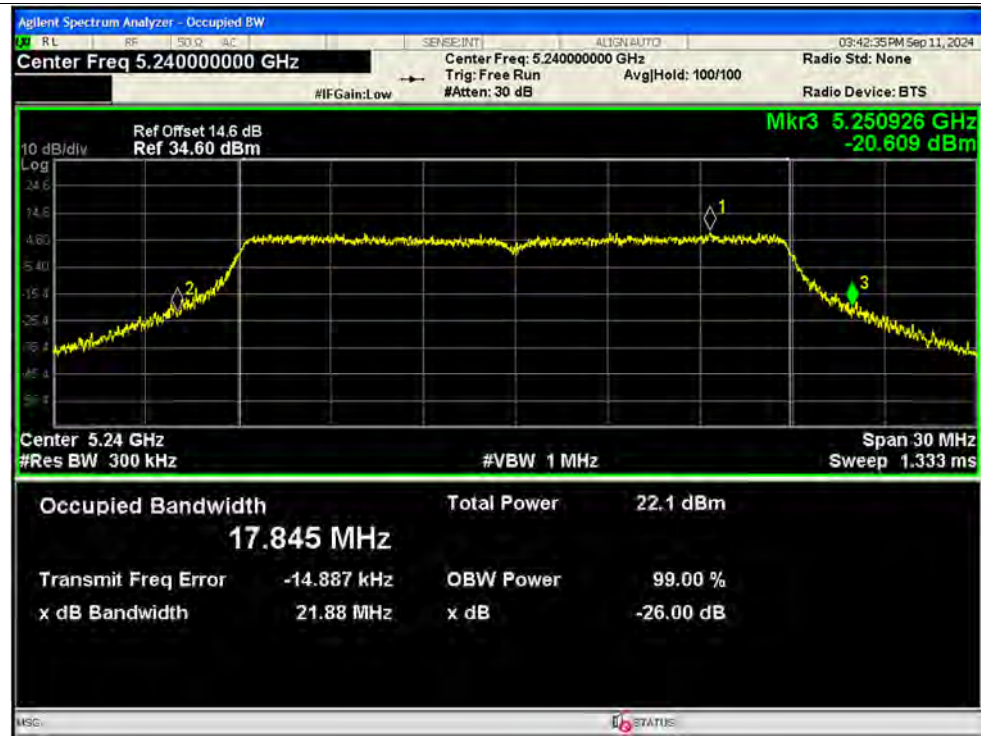


-26dB Bandwidth NVNT n20 5240MHz Ant3 MIMO

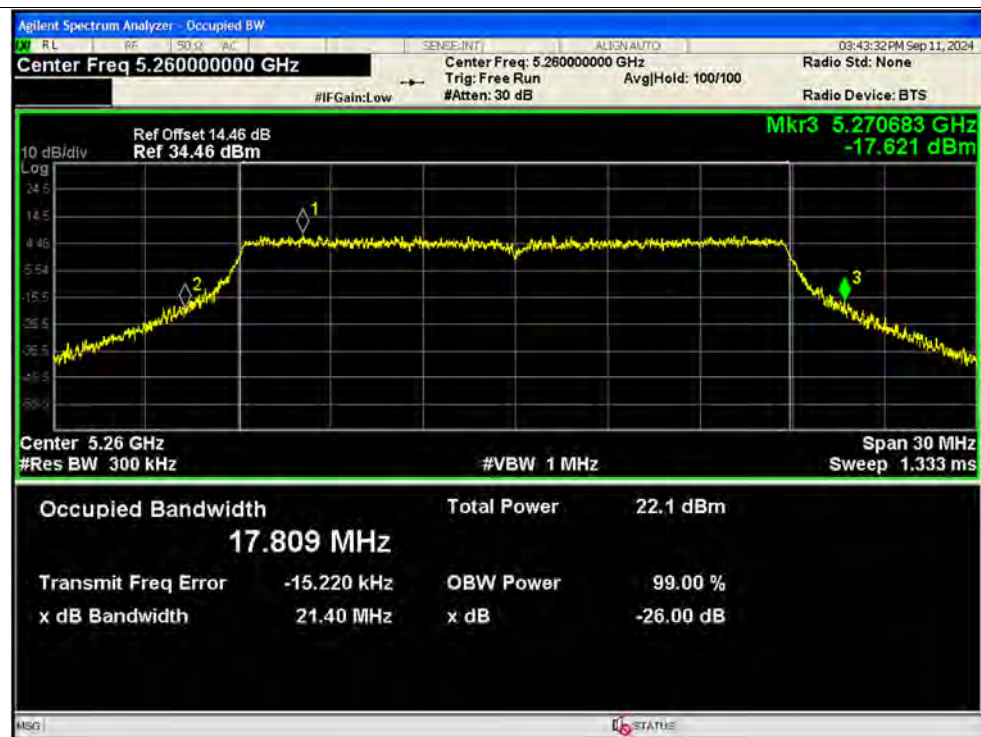




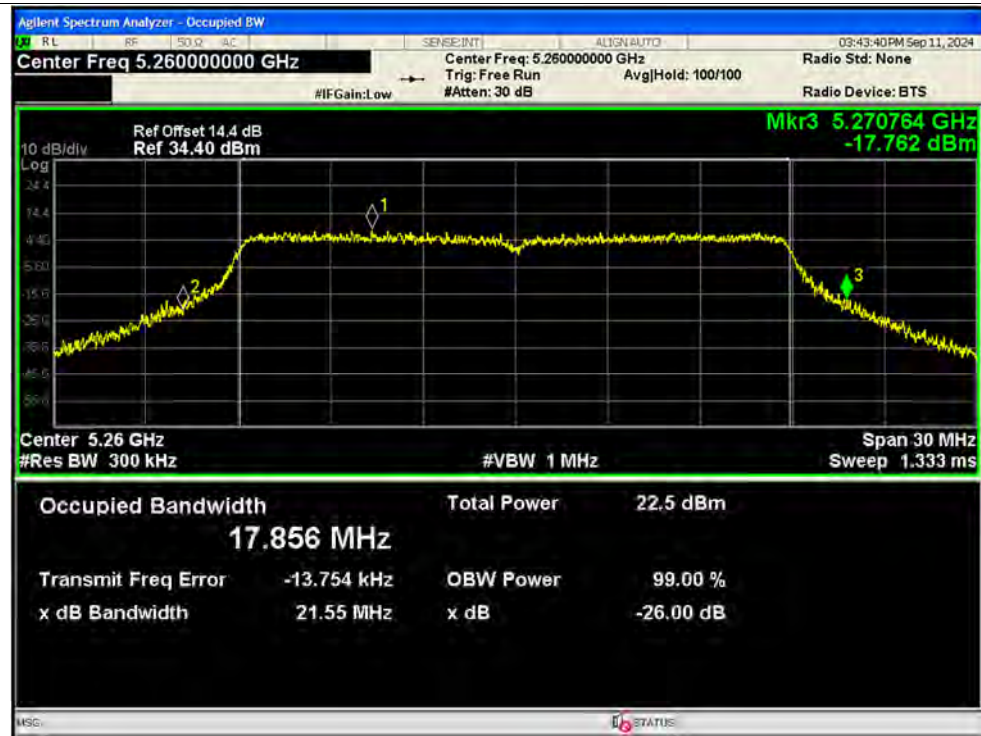
-26dB Bandwidth NVNT n20 5240MHz Ant4 MIMO



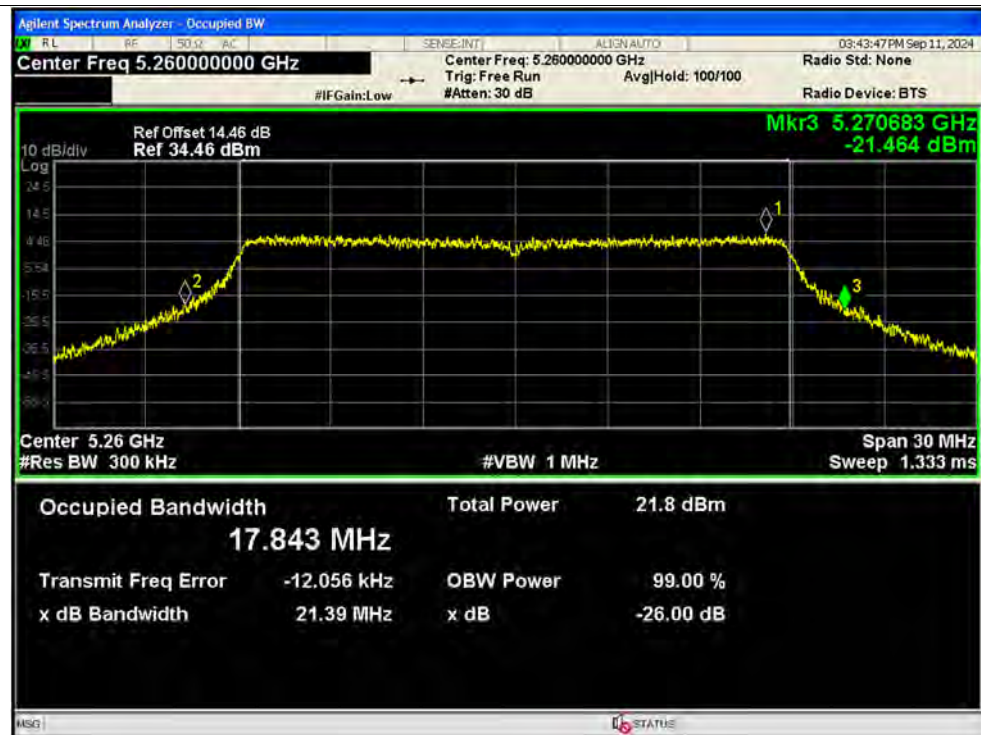
-26dB Bandwidth NVNT n20 5260MHz Ant1 MIMO



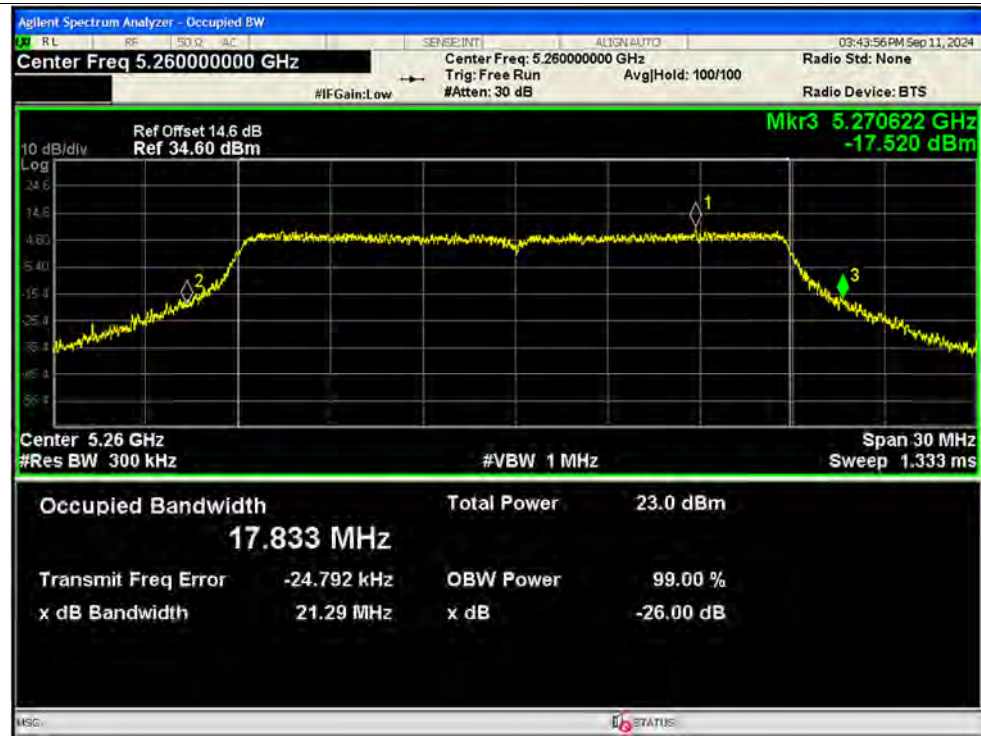
-26dB Bandwidth NVNT n20 5260MHz Ant2 MIMO



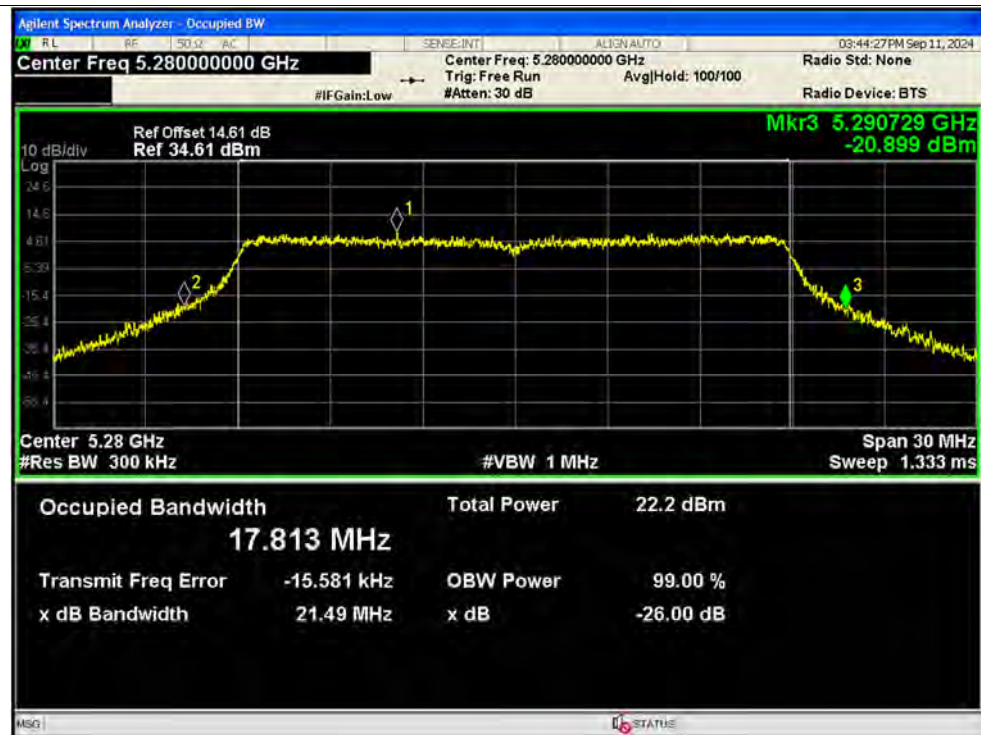
-26dB Bandwidth NVNT n20 5260MHz Ant3 MIMO



-26dB Bandwidth NVNT n20 5260MHz Ant4 MIMO

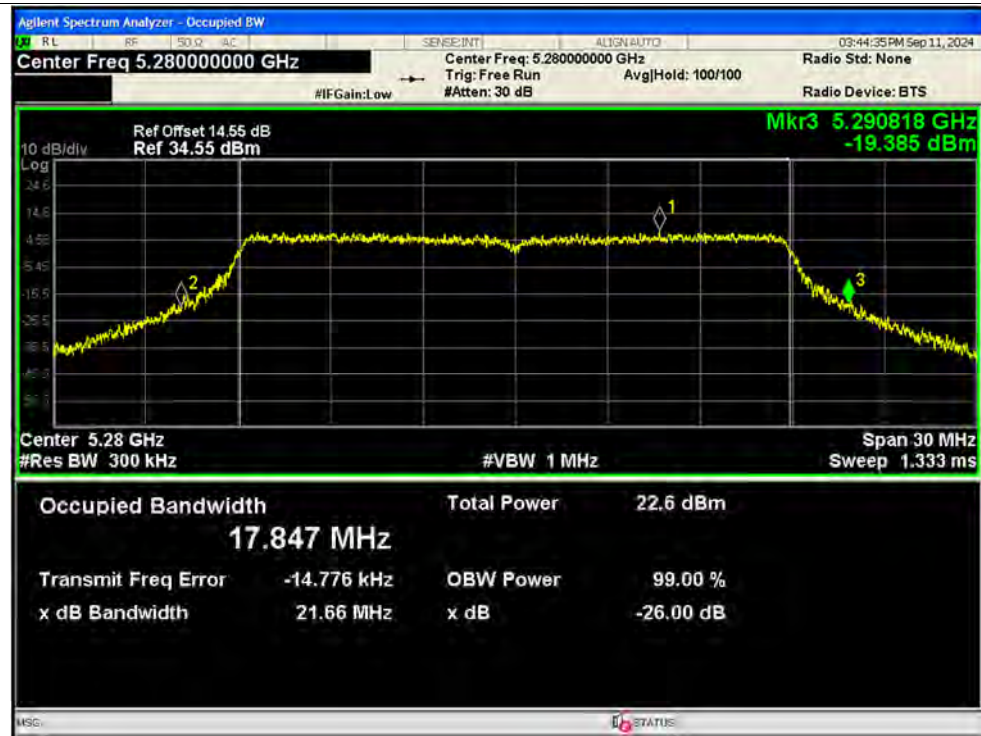


-26dB Bandwidth NVNT n20 5280MHz Ant1 MIMO





-26dB Bandwidth NVNT n20 5280MHz Ant2 MIMO

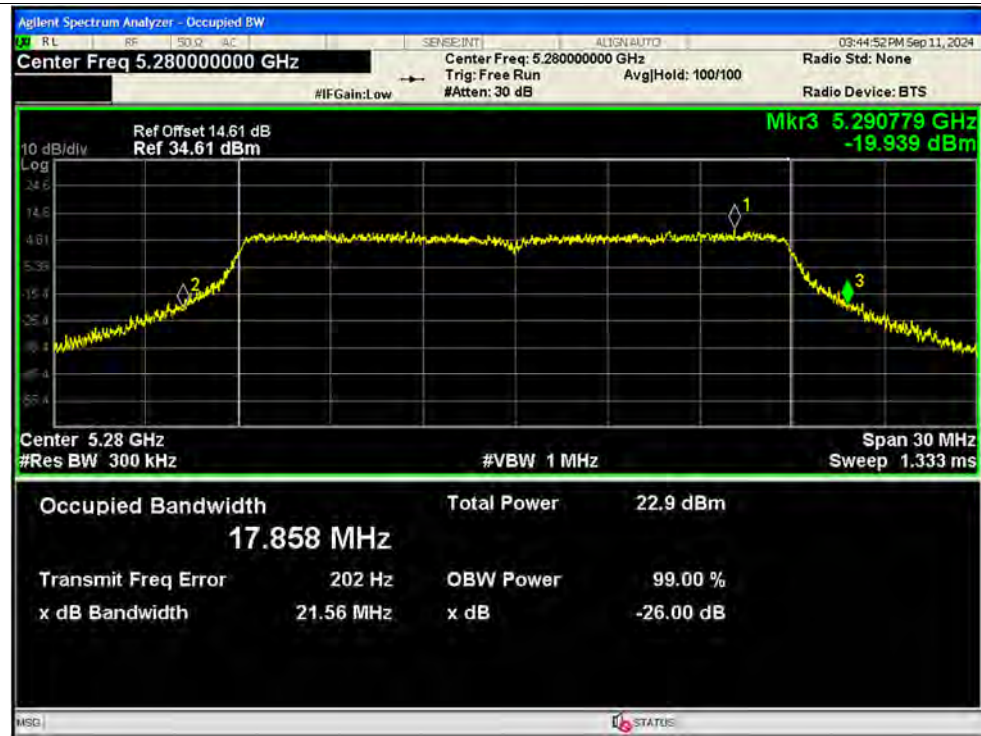


-26dB Bandwidth NVNT n20 5280MHz Ant3 MIMO

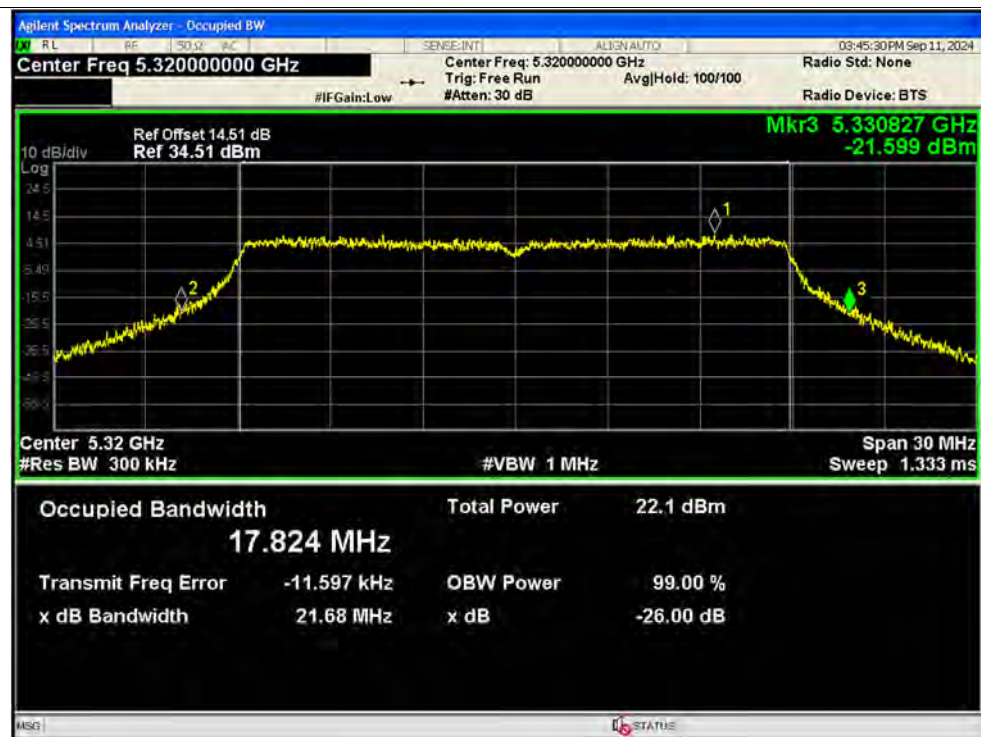




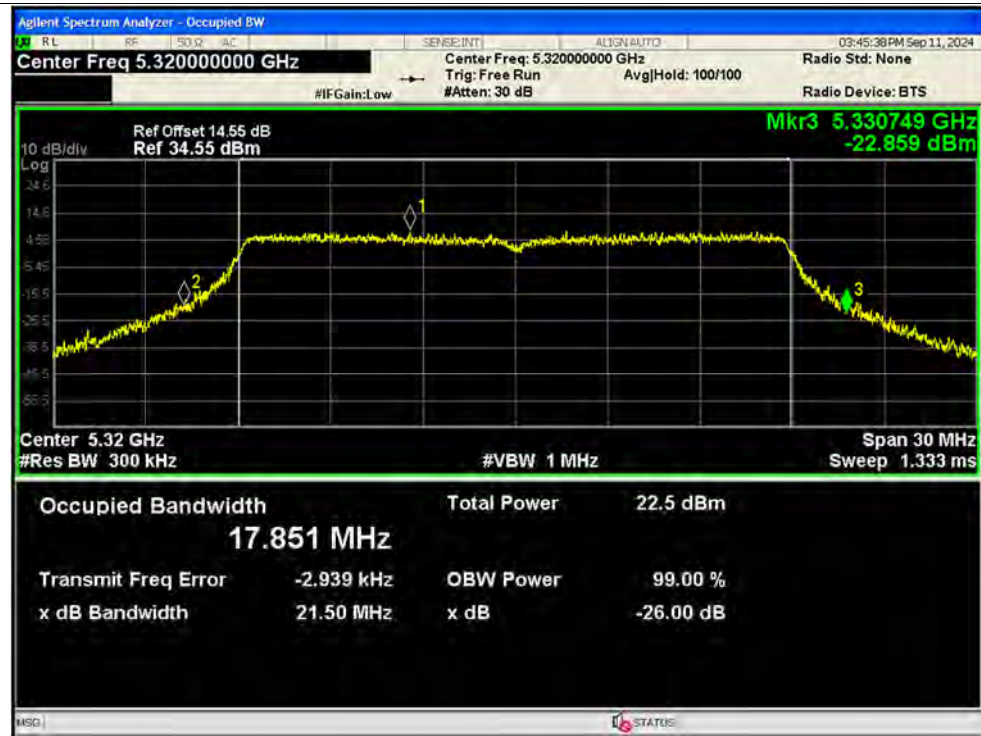
-26dB Bandwidth NVNT n20 5280MHz Ant4 MIMO



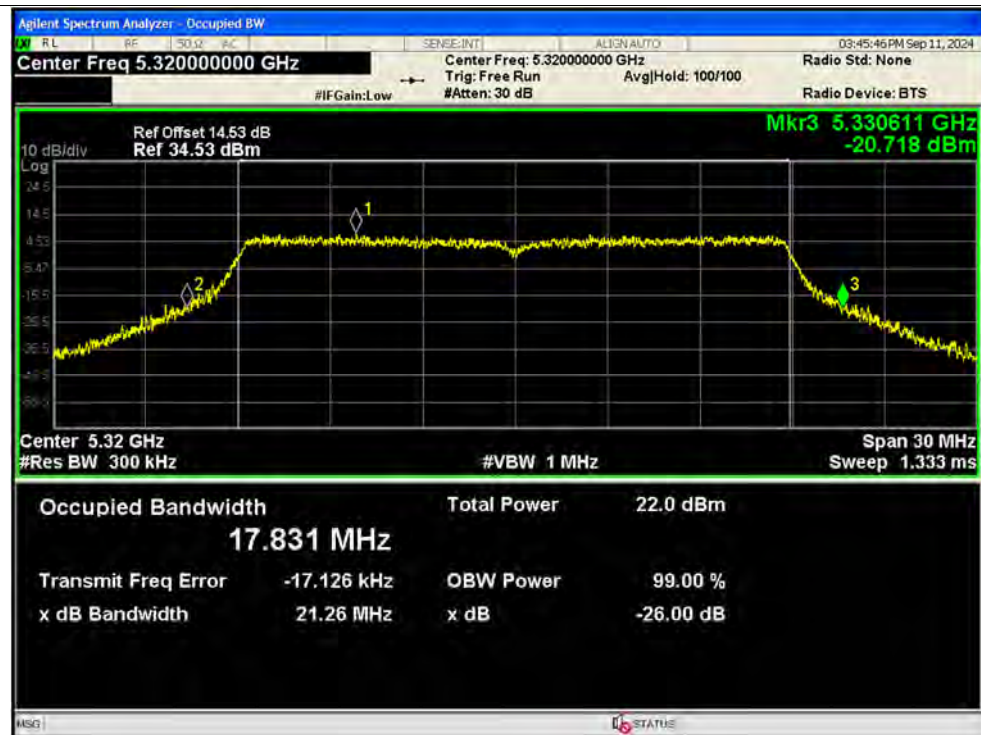
-26dB Bandwidth NVNT n20 5320MHz Ant1 MIMO



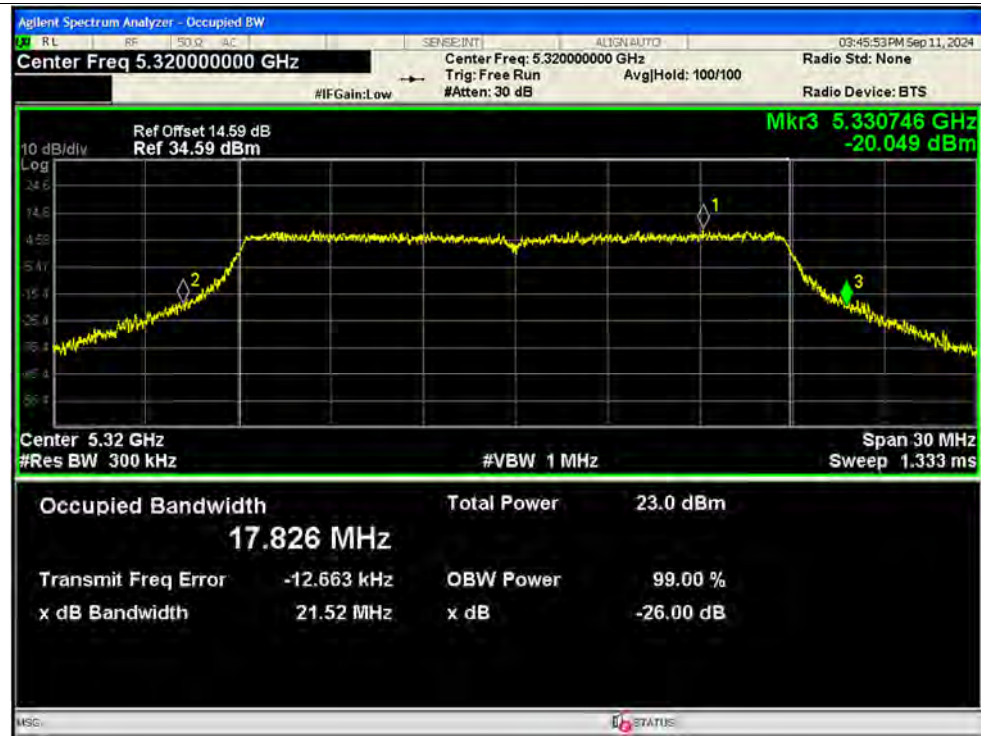
-26dB Bandwidth NVNT n20 5320MHz Ant2 MIMO



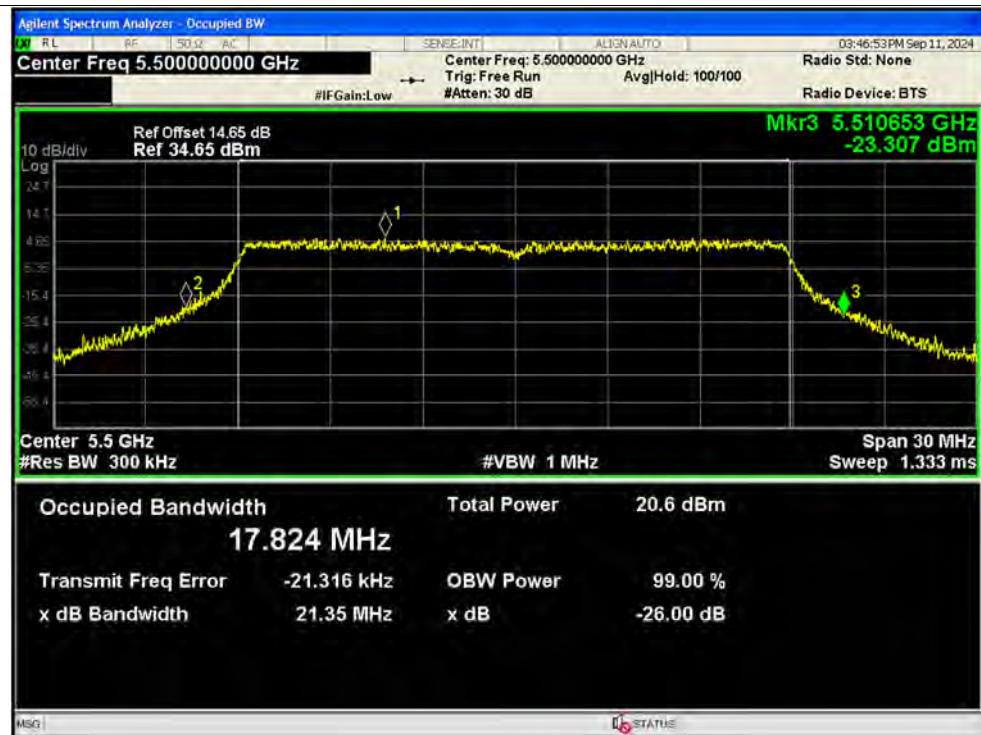
-26dB Bandwidth NVNT n20 5320MHz Ant3 MIMO



-26dB Bandwidth NVNT n20 5320MHz Ant4 MIMO

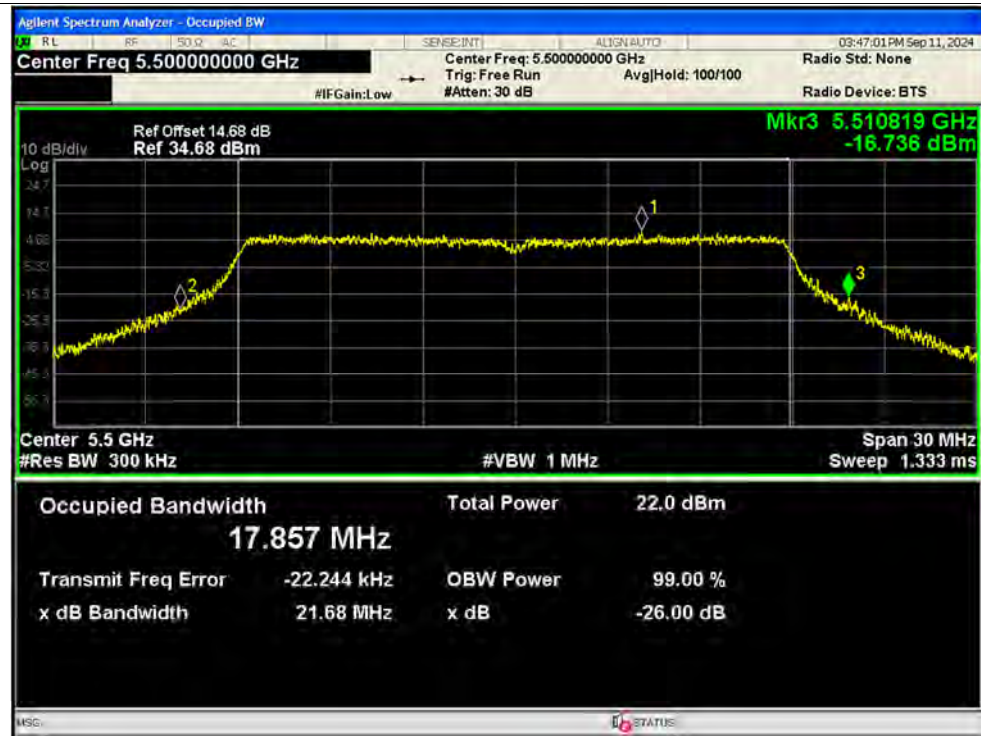


-26dB Bandwidth NVNT n20 5500MHz Ant1 MIMO

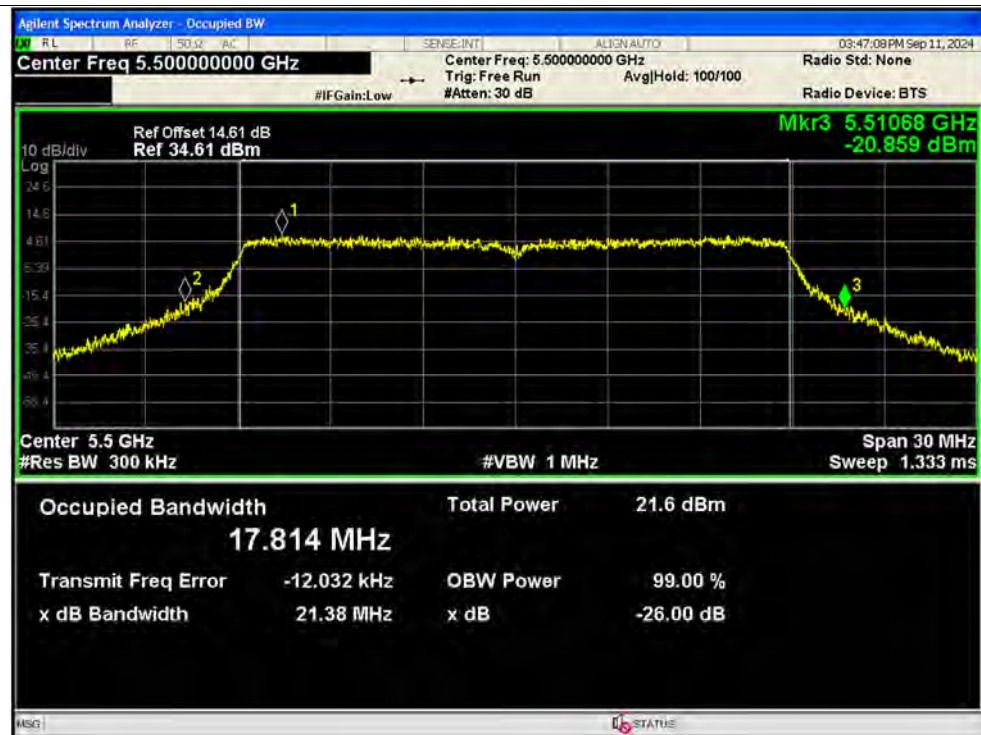




-26dB Bandwidth NVNT n20 5500MHz Ant2 MIMO

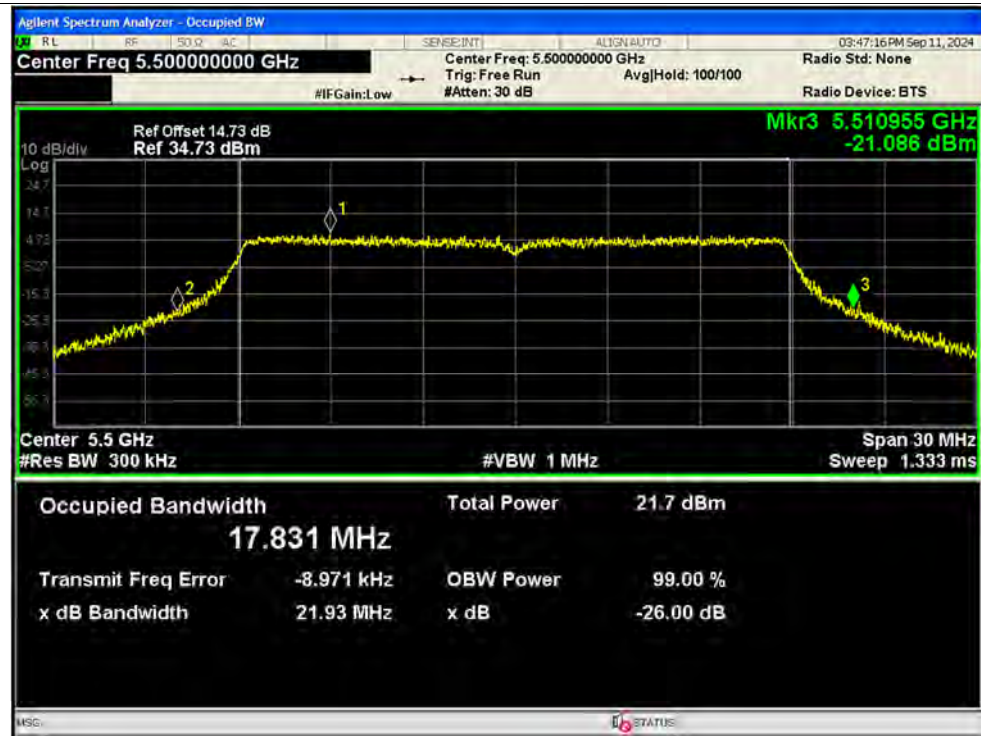


-26dB Bandwidth NVNT n20 5500MHz Ant3 MIMO

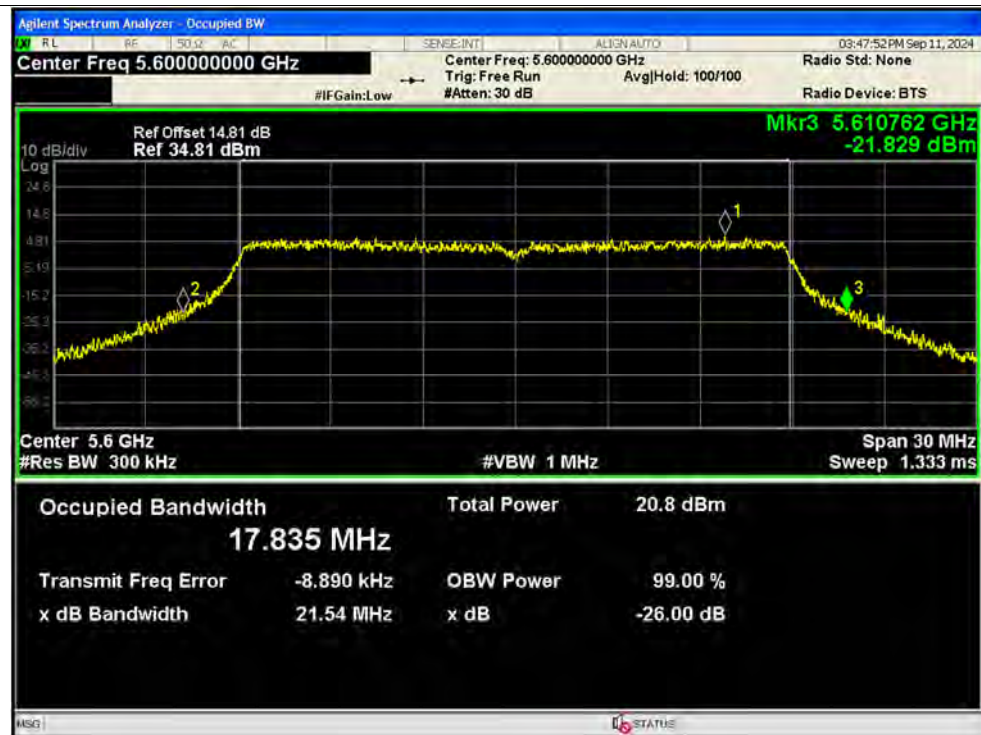




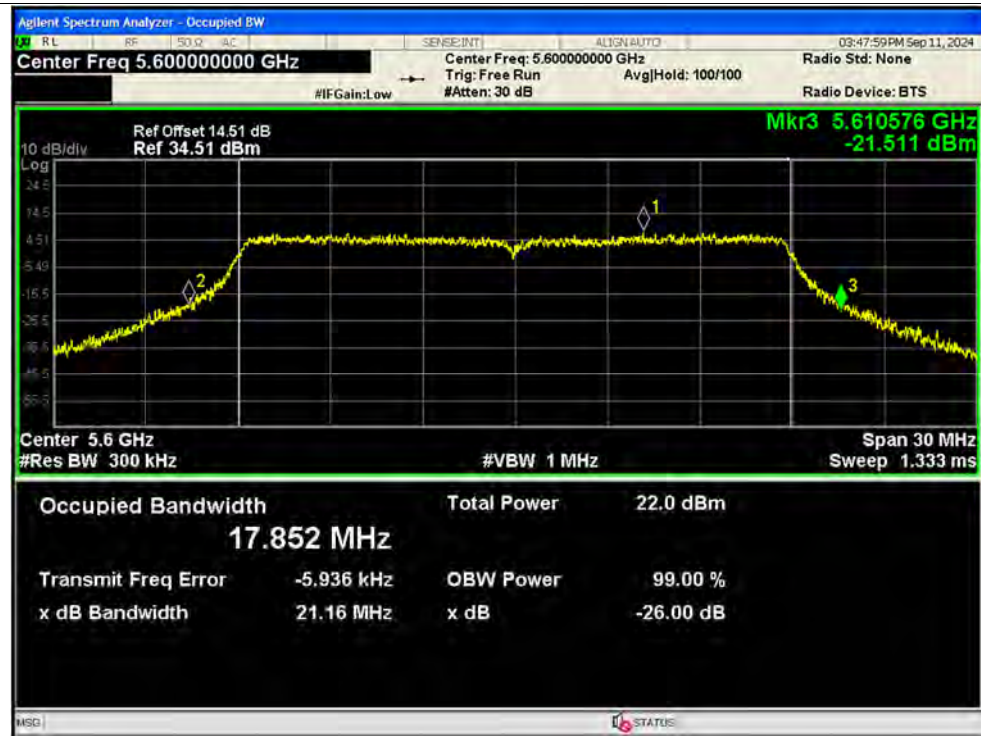
-26dB Bandwidth NVNT n20 5500MHz Ant4 MIMO



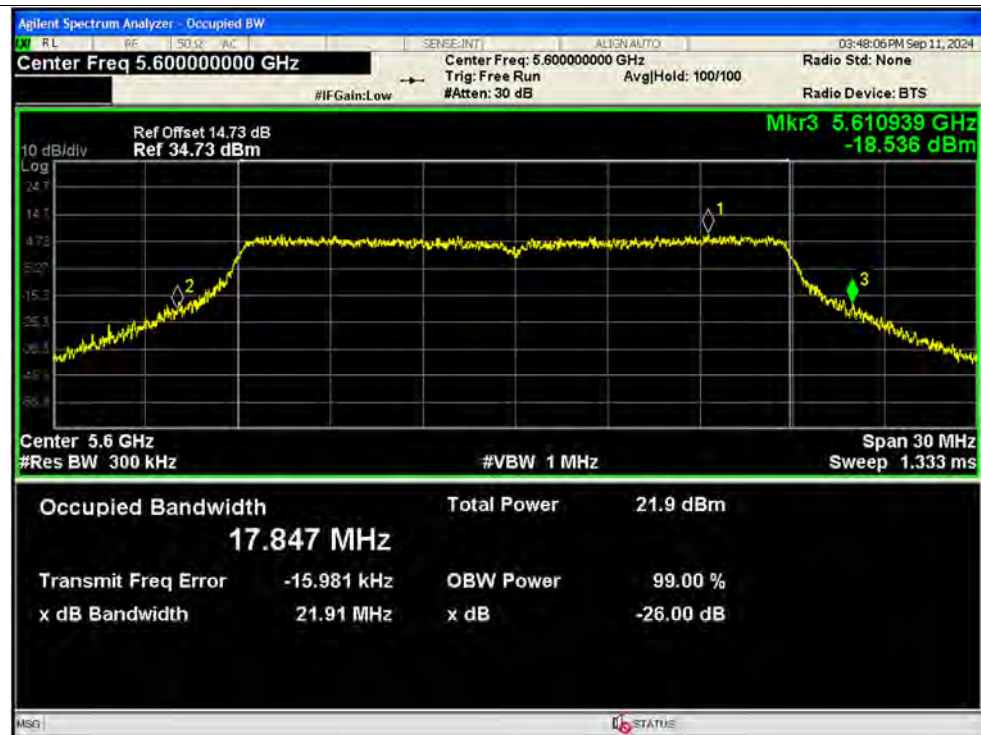
-26dB Bandwidth NVNT n20 5600MHz Ant1 MIMO



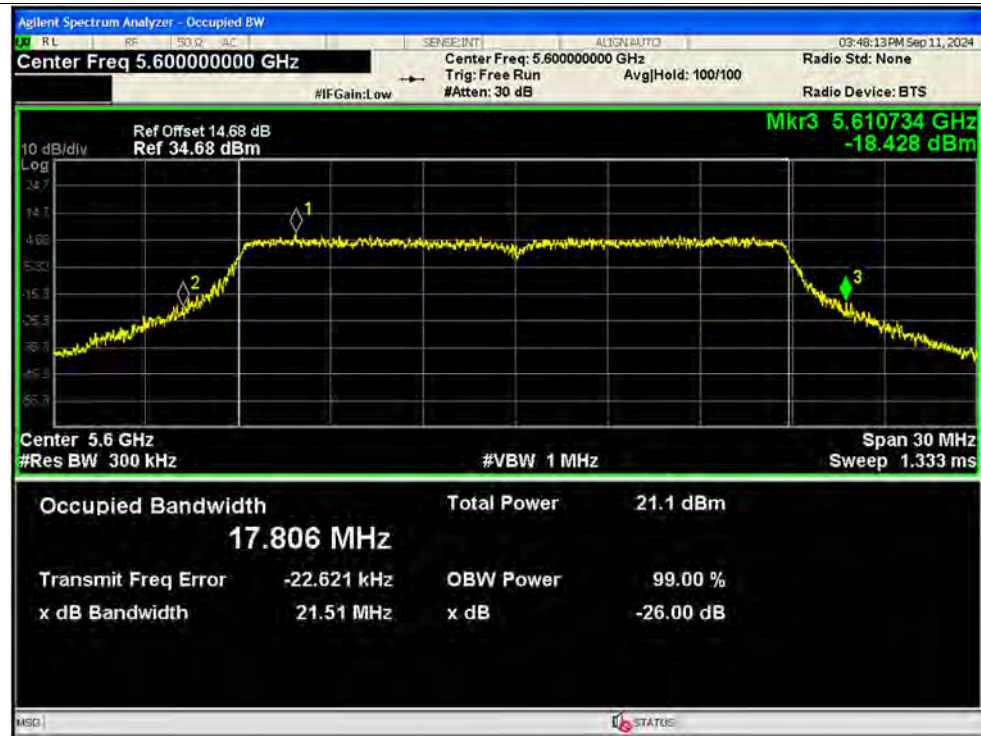
-26dB Bandwidth NVNT n20 5600MHz Ant2 MIMO



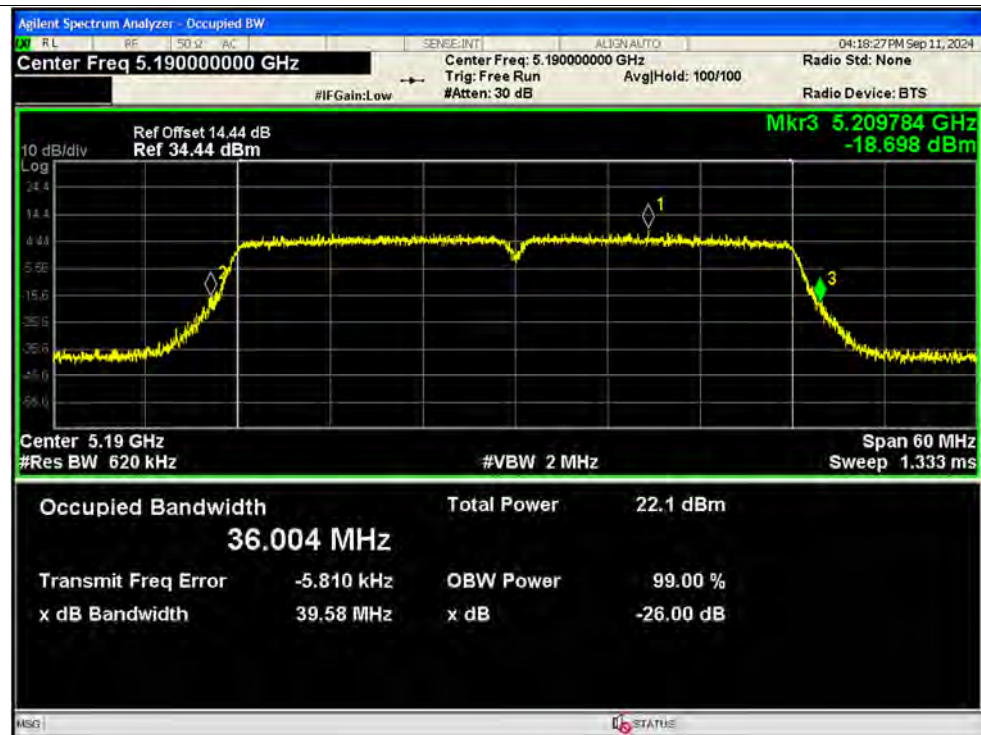
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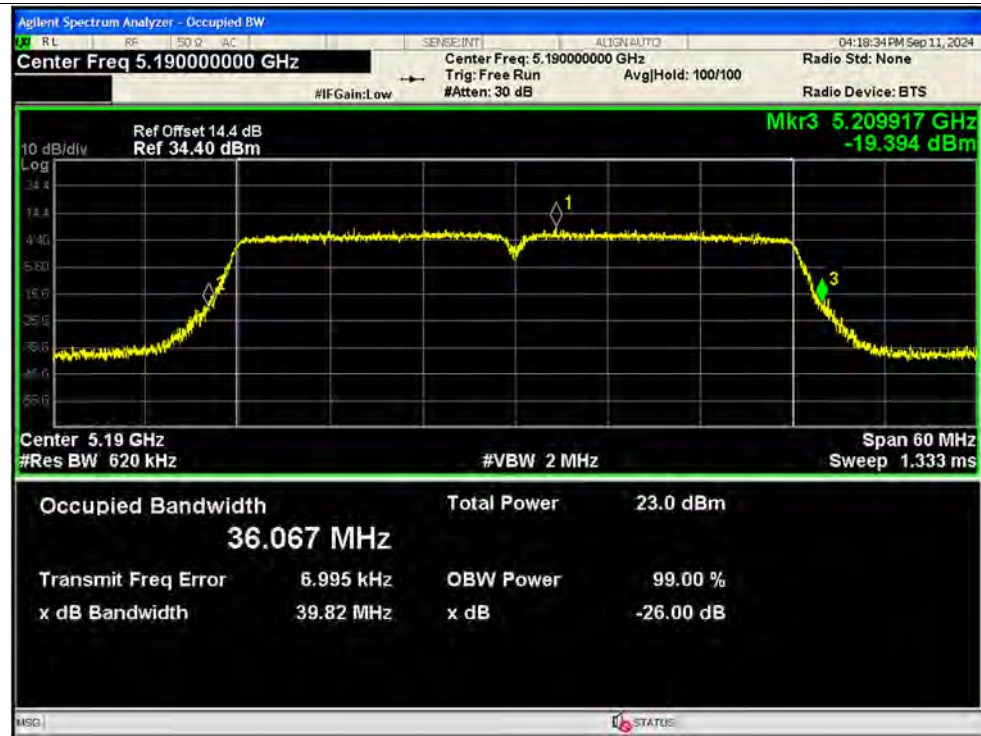
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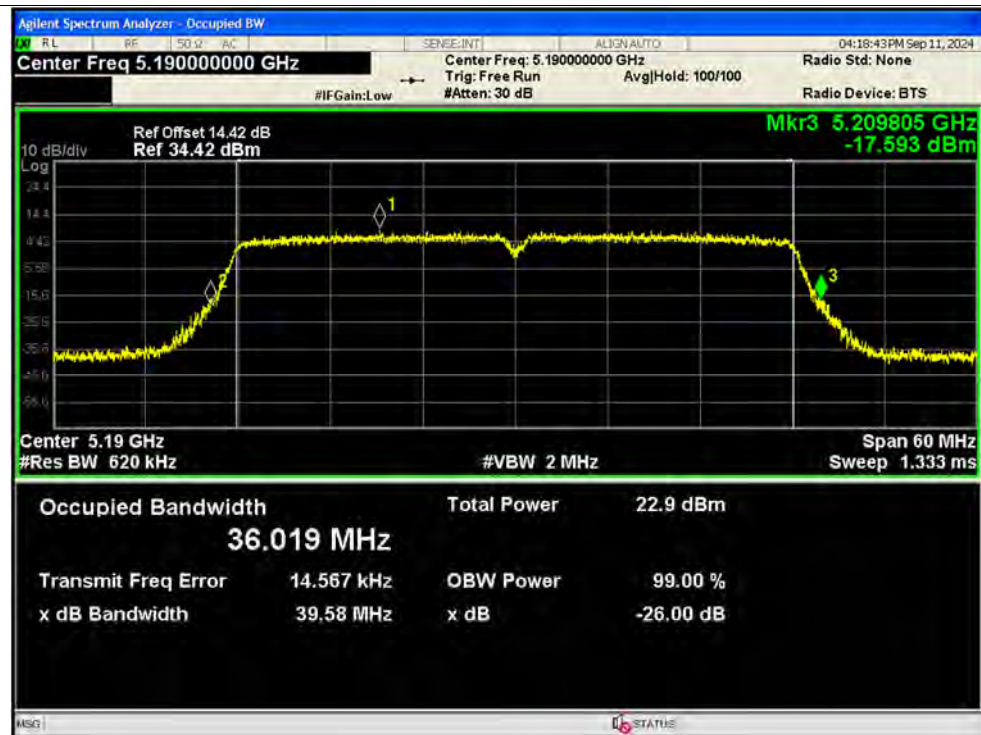
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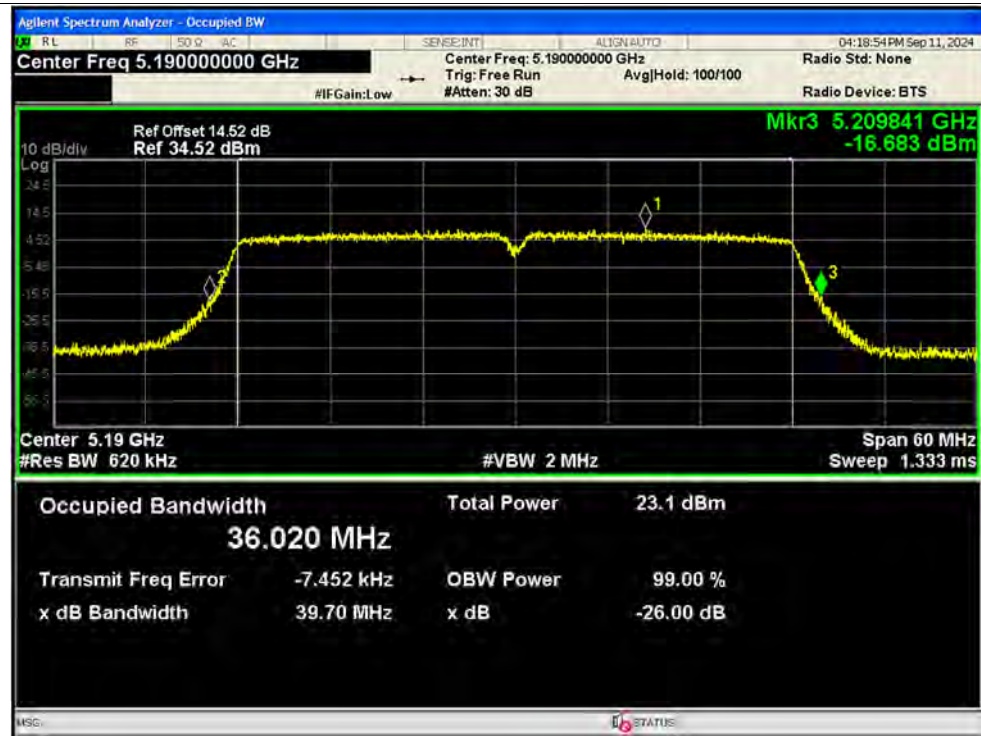
-26dB Bandwidth NVNT n40 5190MHz Ant2 MIMO



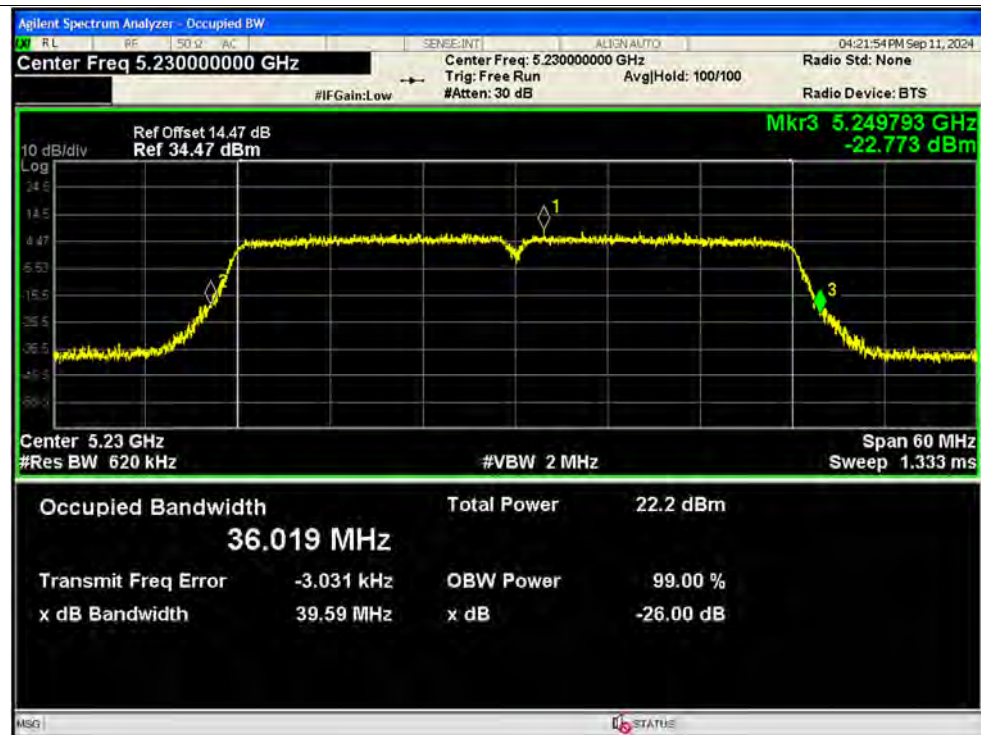
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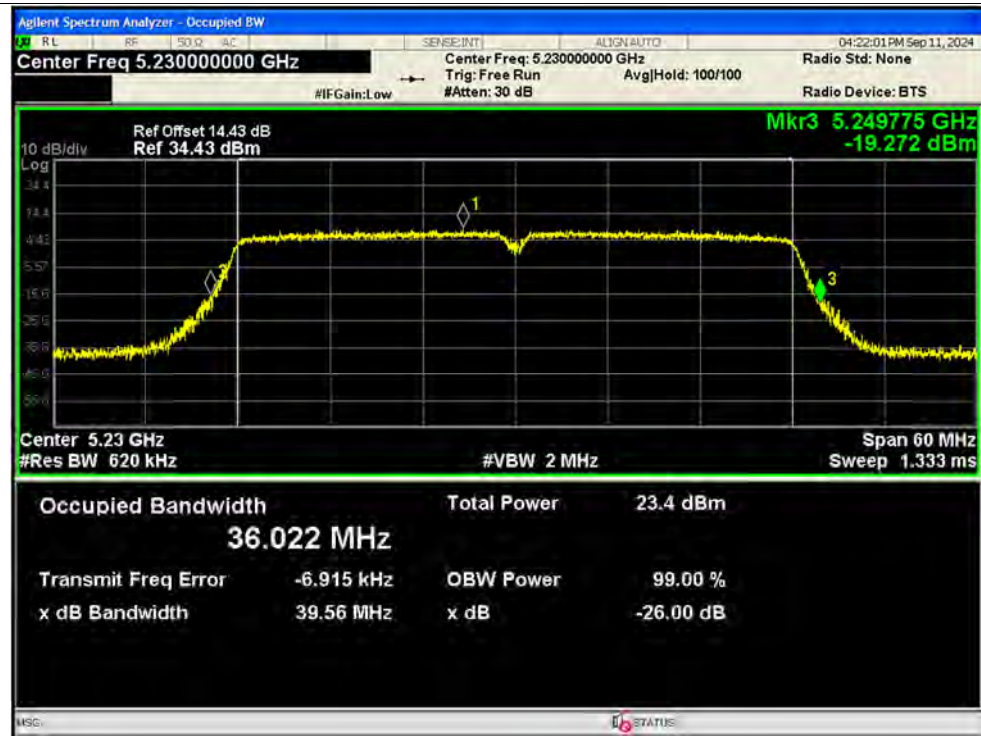
-26dB Bandwidth NVNT n40 5190MHz Ant4 MIMO



-26dB Bandwidth NVNT n40 5230MHz Ant1 MIMO



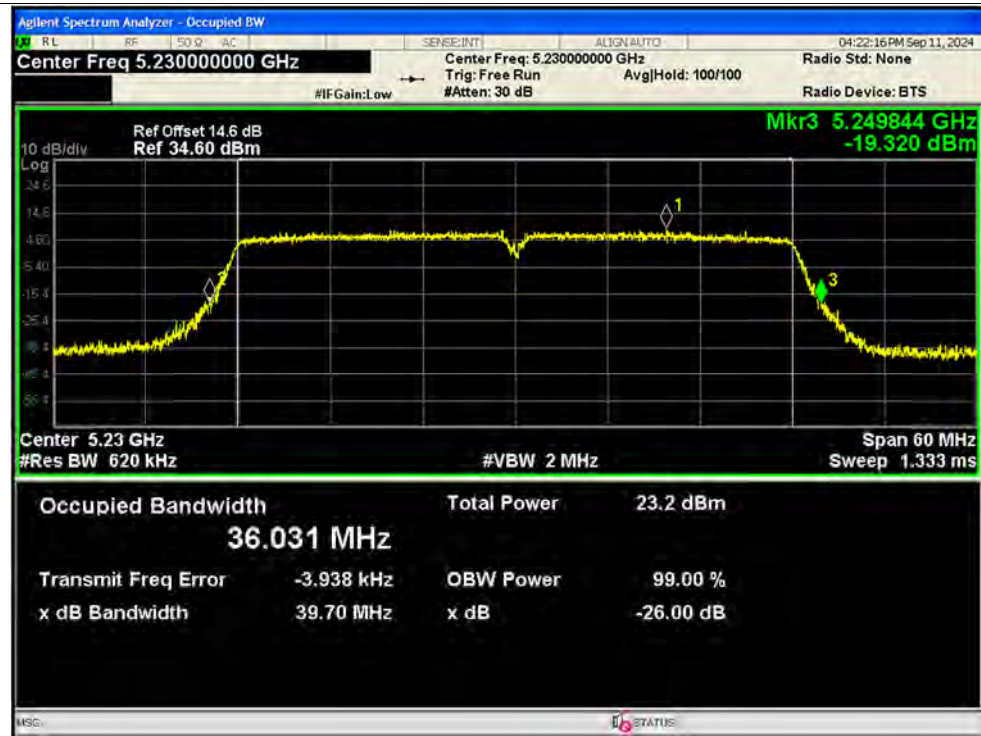
-26dB Bandwidth NVNT n40 5230MHz Ant2 MIMO



-26dB Bandwidth NVNT n40 5230MHz Ant3 MIMO



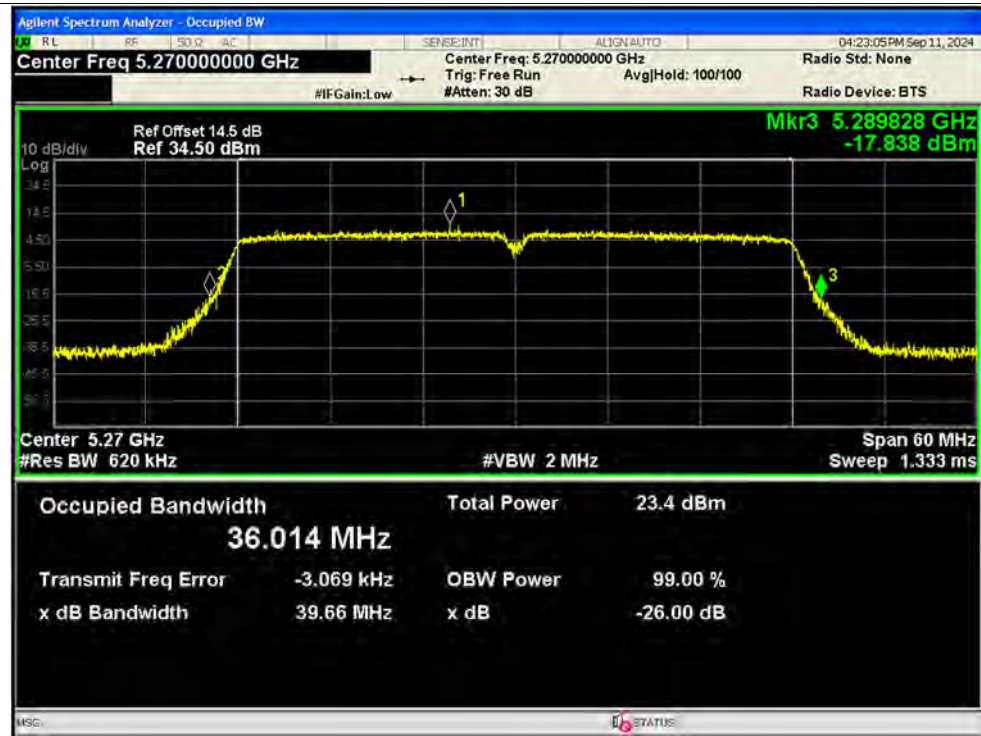
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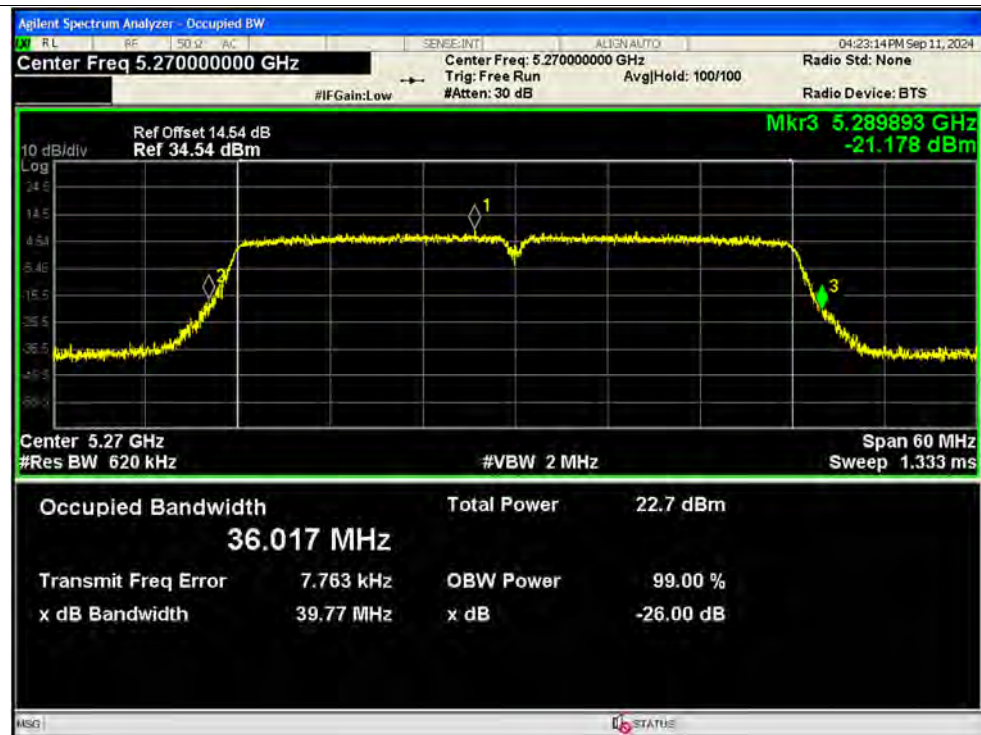
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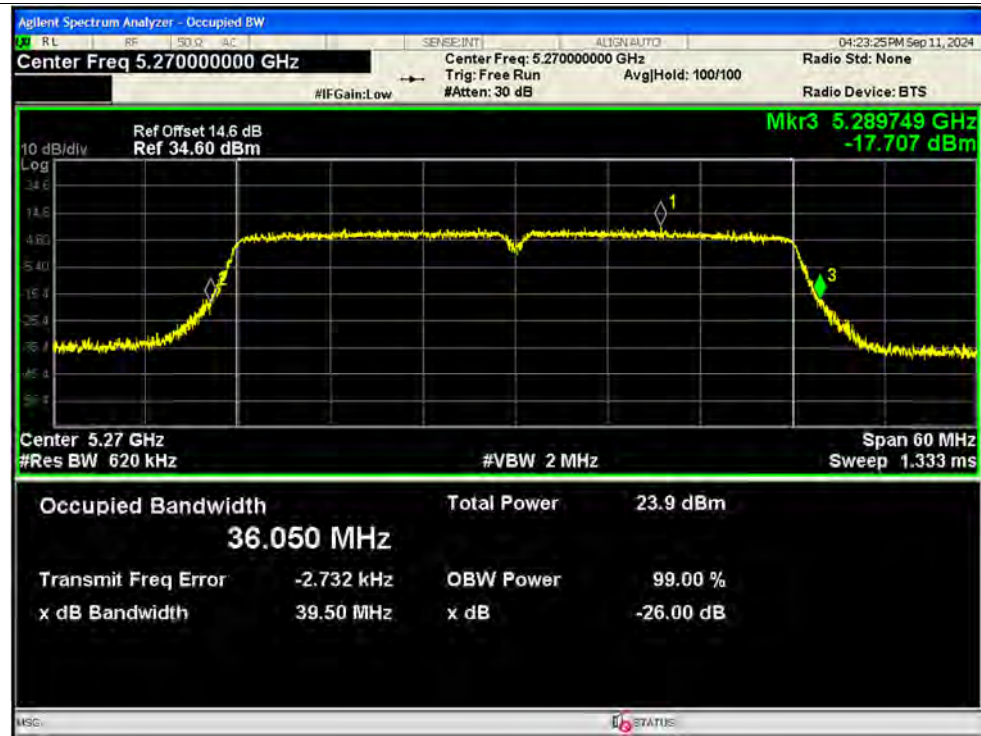
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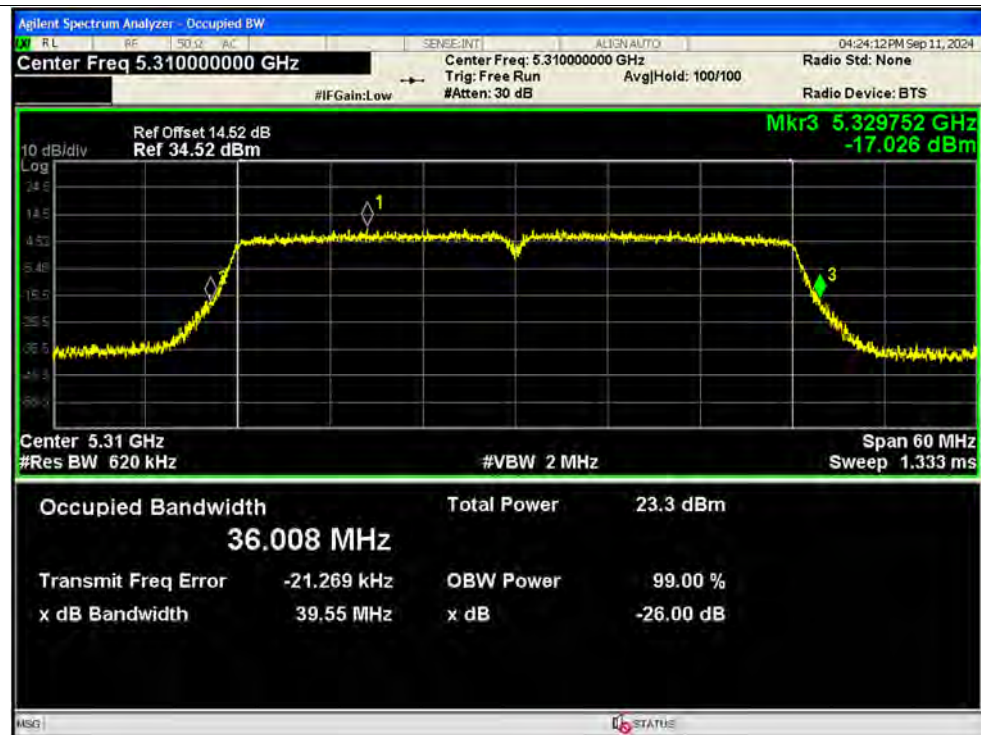
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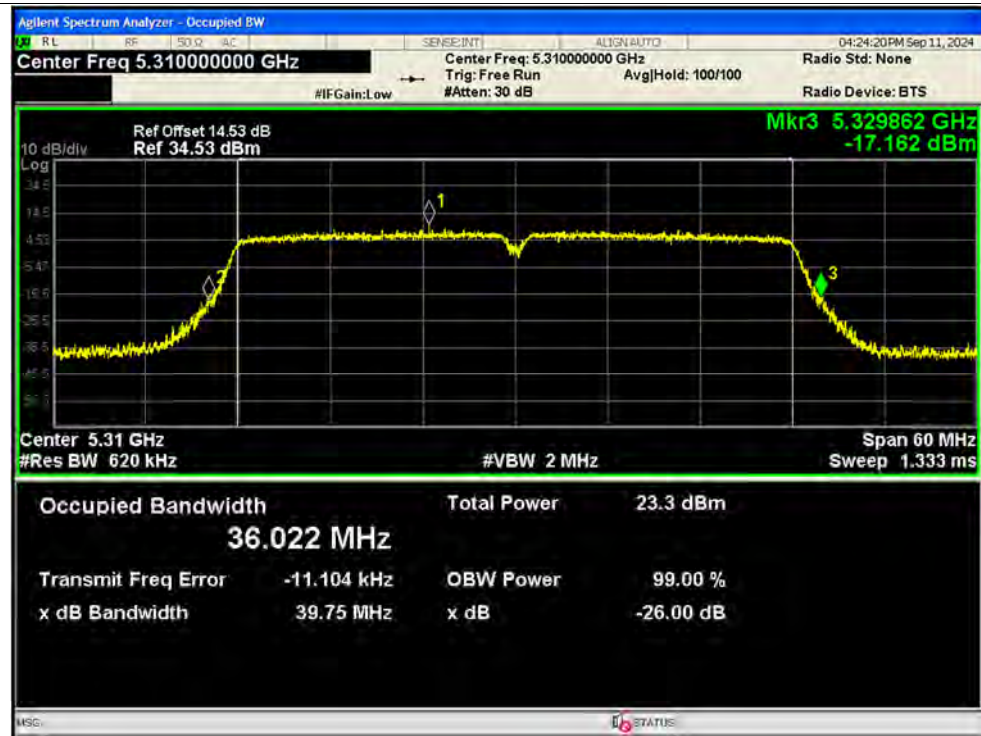
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-26dB Bandwidth NVNT n40 5310MHz Ant1 MIMO



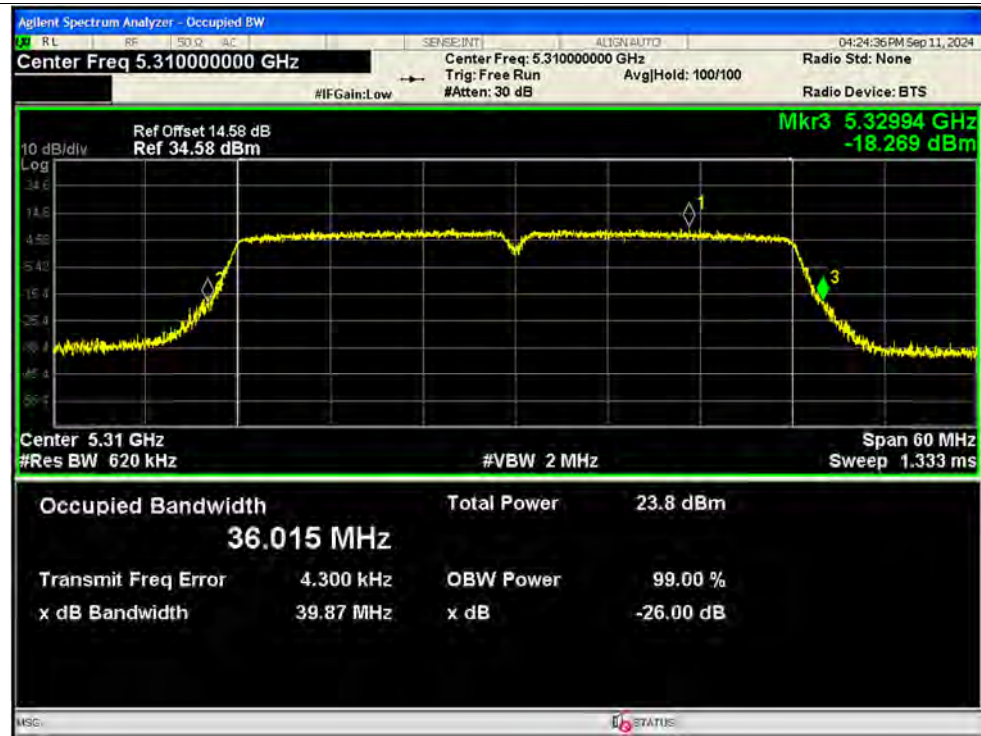
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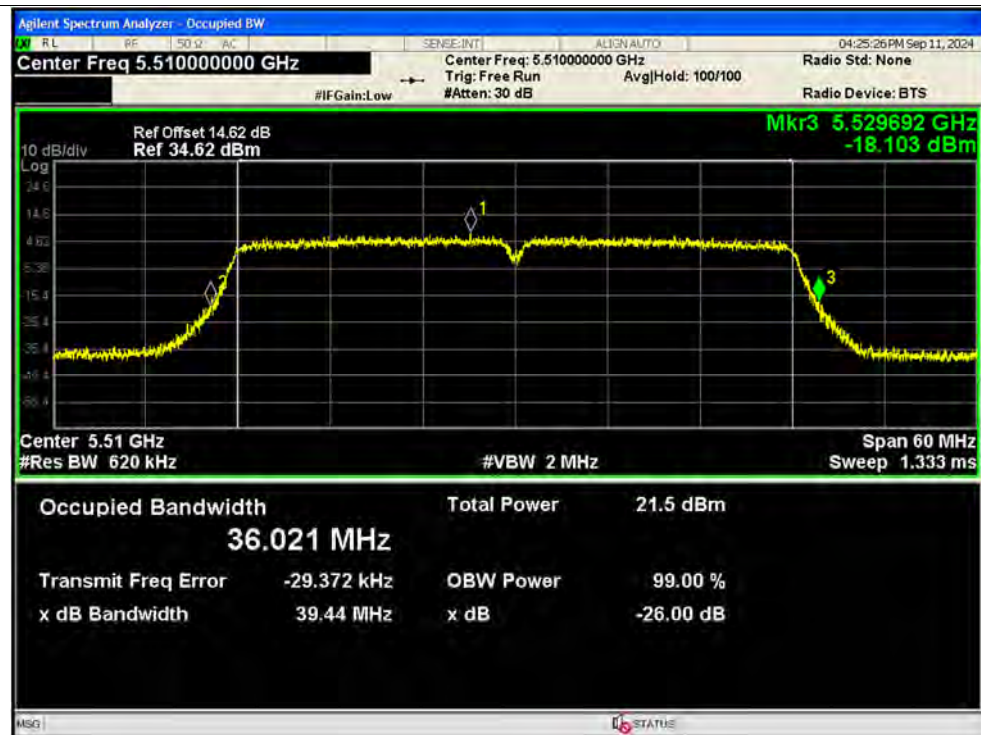
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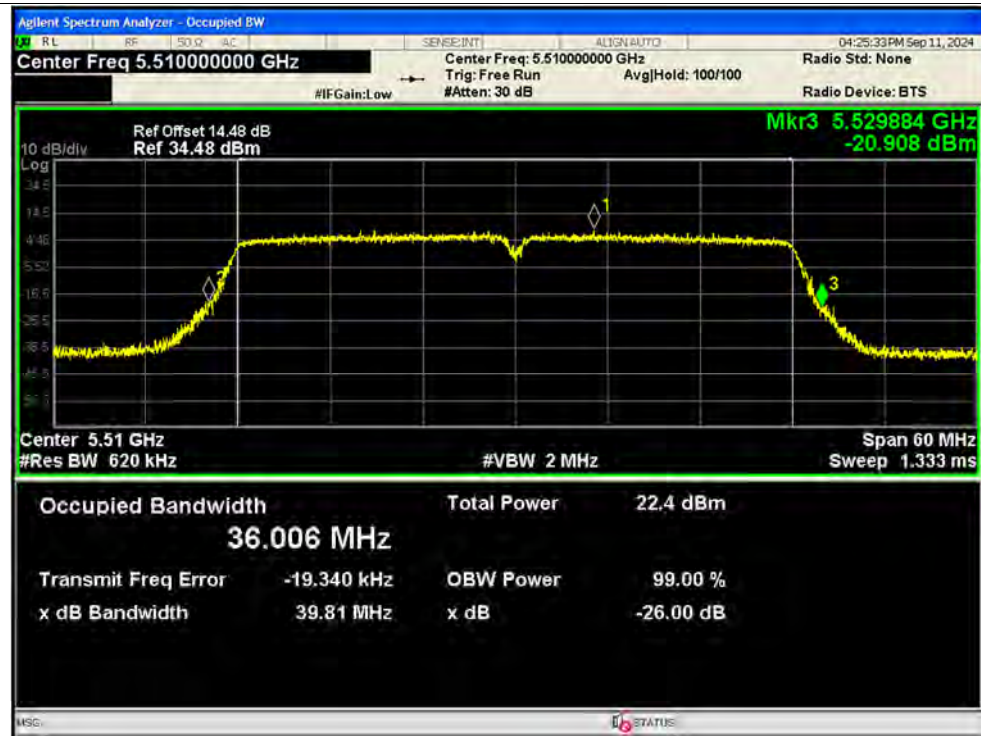
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-26dB Bandwidth NVNT n40 5510MHz Ant1 MIMO



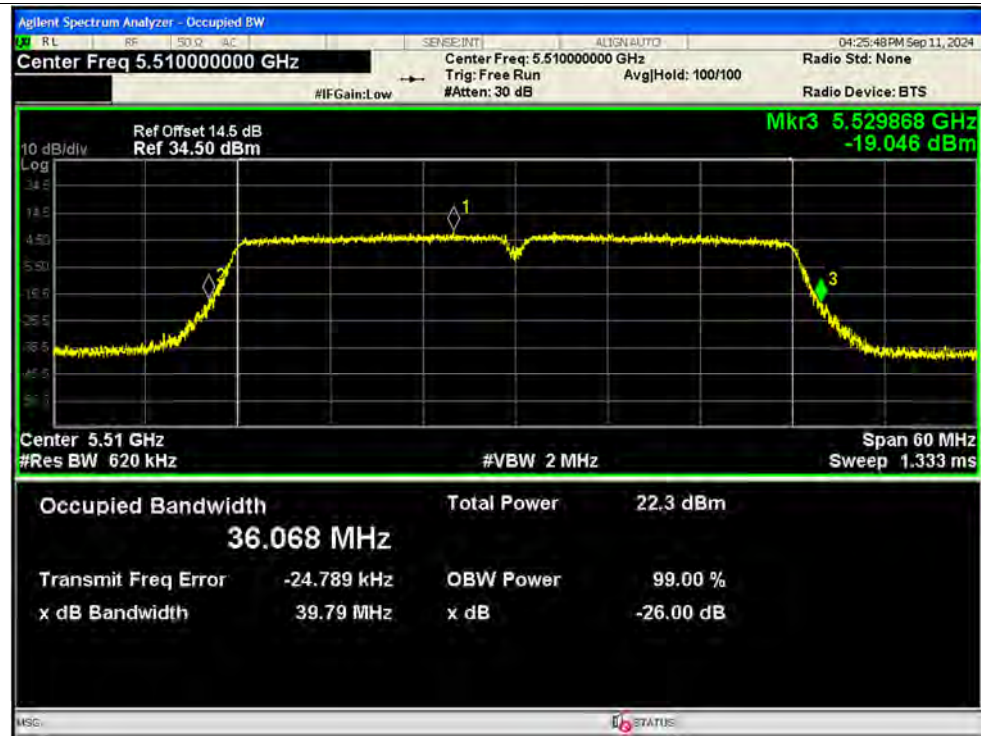
-26dB Bandwidth NVNT n40 5510MHz Ant2 MIMO



-26dB Bandwidth NVNT n40 5510MHz Ant3 MIMO



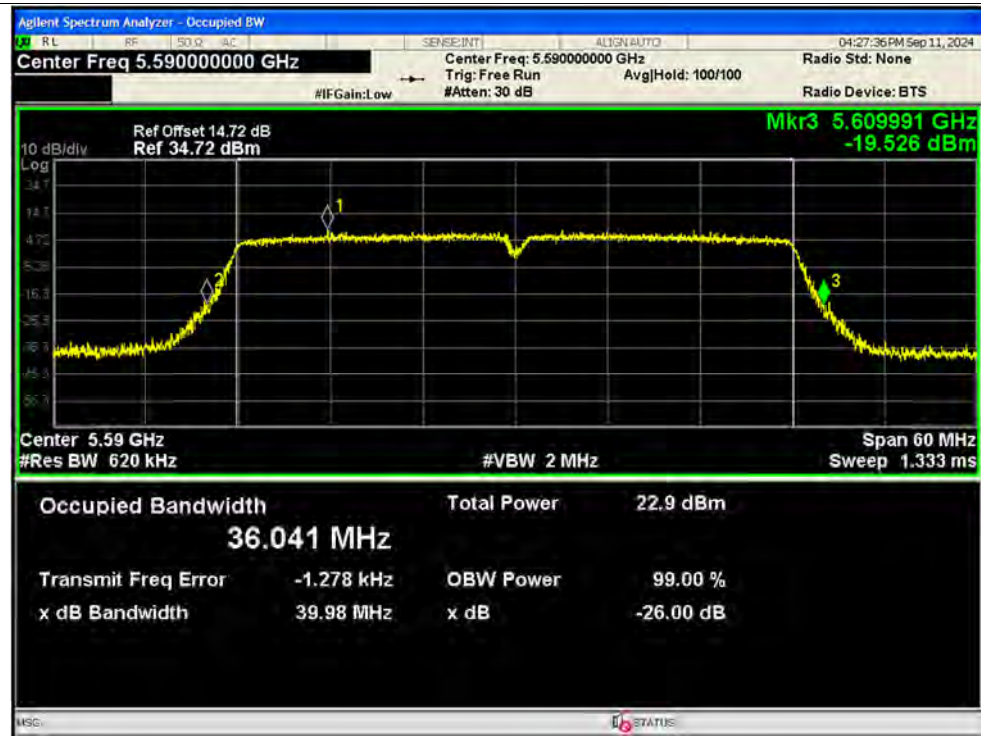
-26dB Bandwidth NVNT n40 5510MHz Ant4 MIMO



-26dB Bandwidth NVNT n40 5590MHz Ant1 MIMO



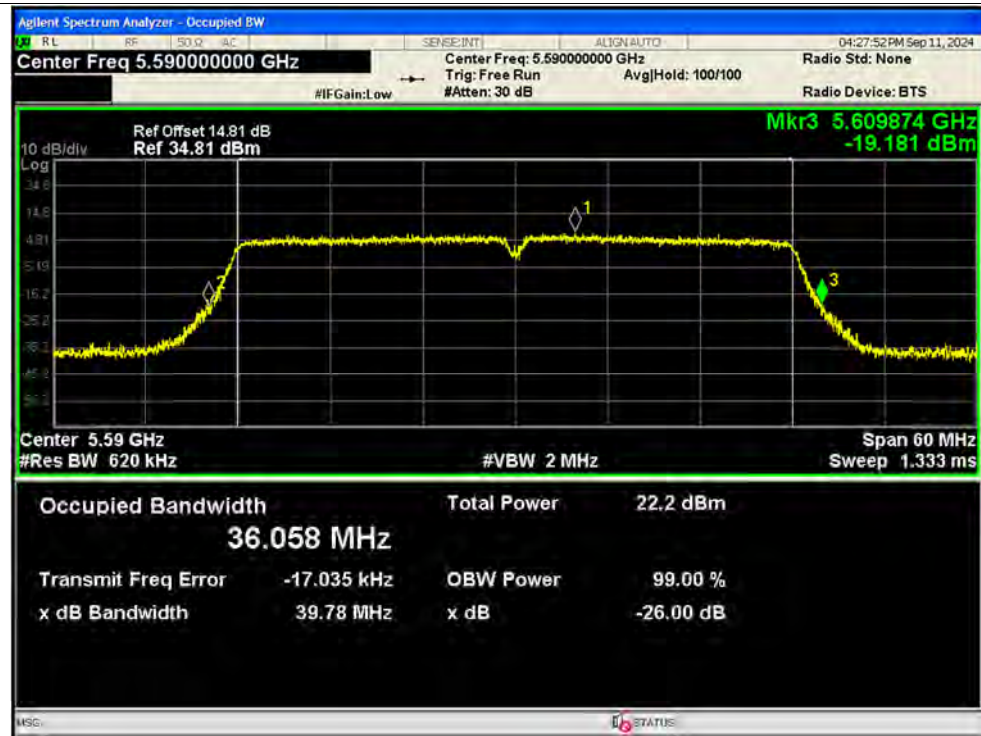
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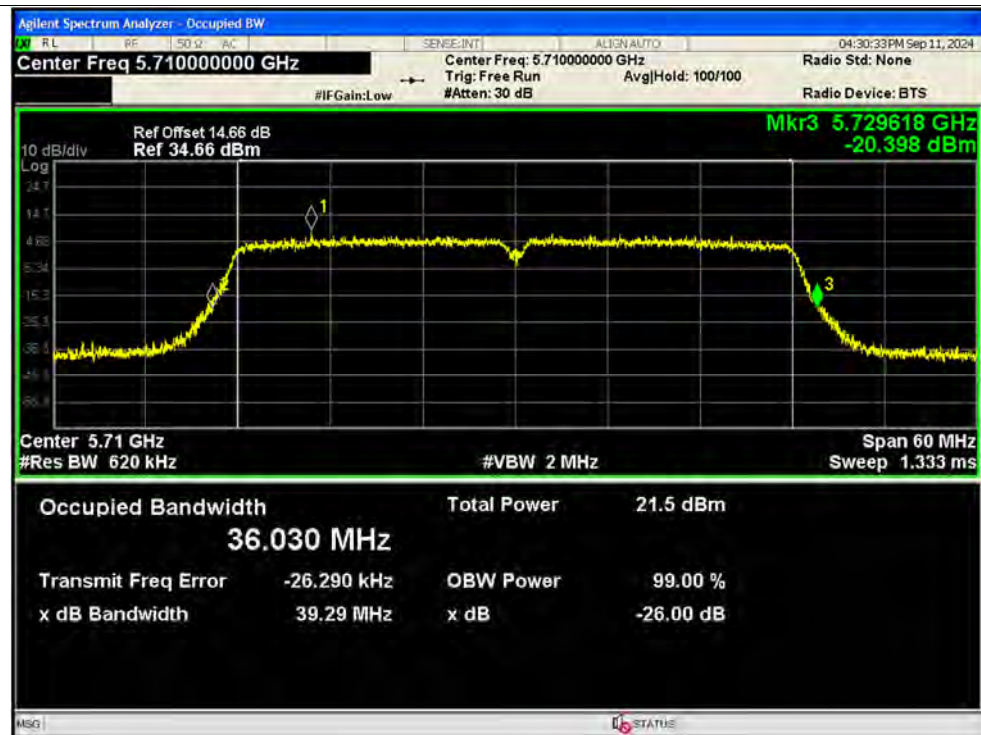
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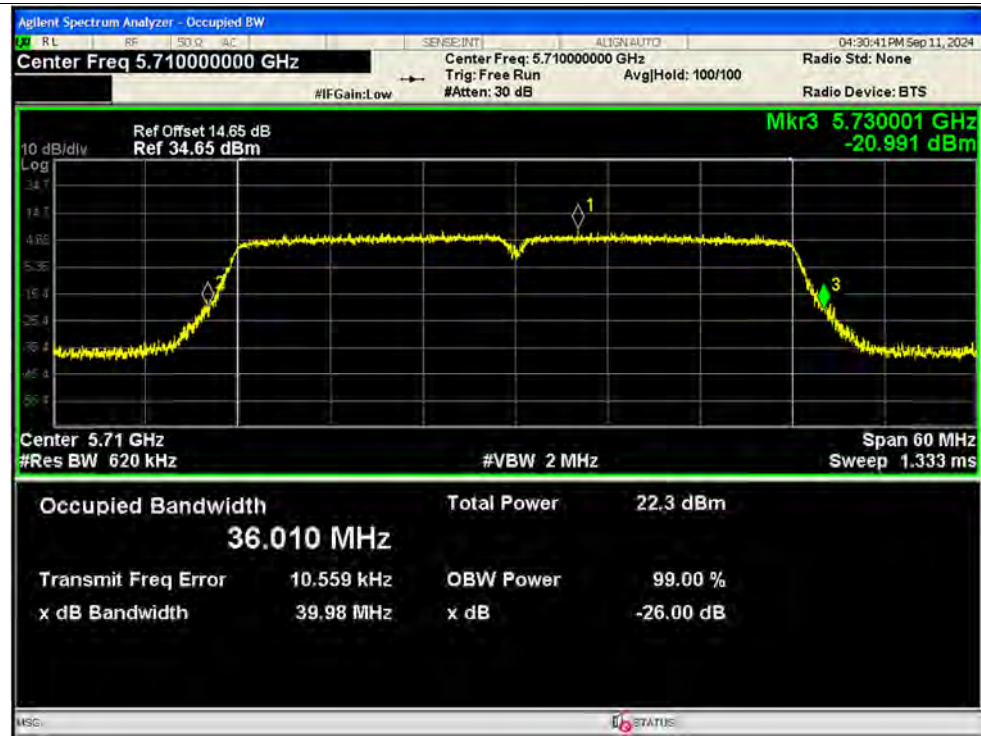
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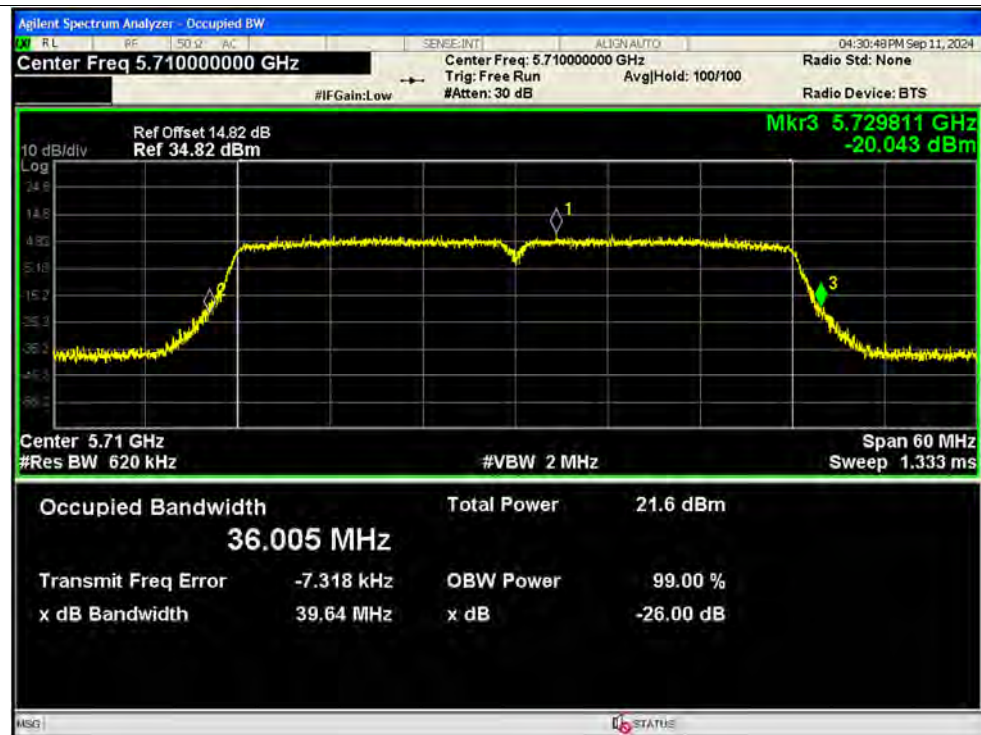
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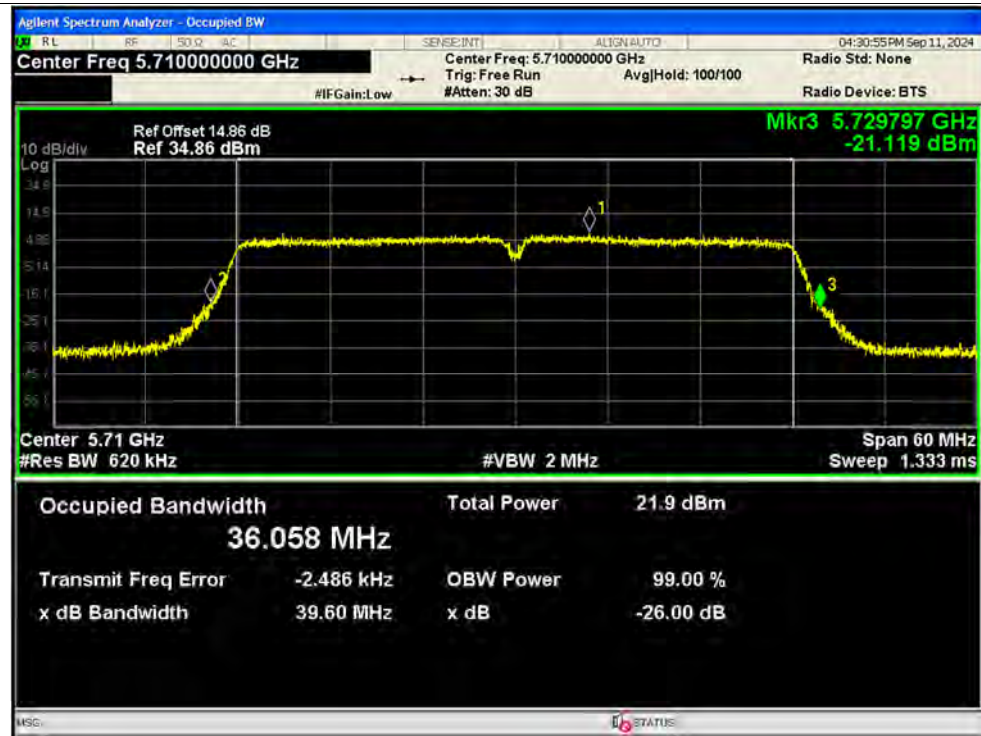
-26dB Bandwidth NVNT n40 5710MHz Ant2 MIMO



-26dB Bandwidth NVNT n40 5710MHz Ant3 MIMO



-26dB Bandwidth NVNT n40 5710MHz Ant4 MIMO

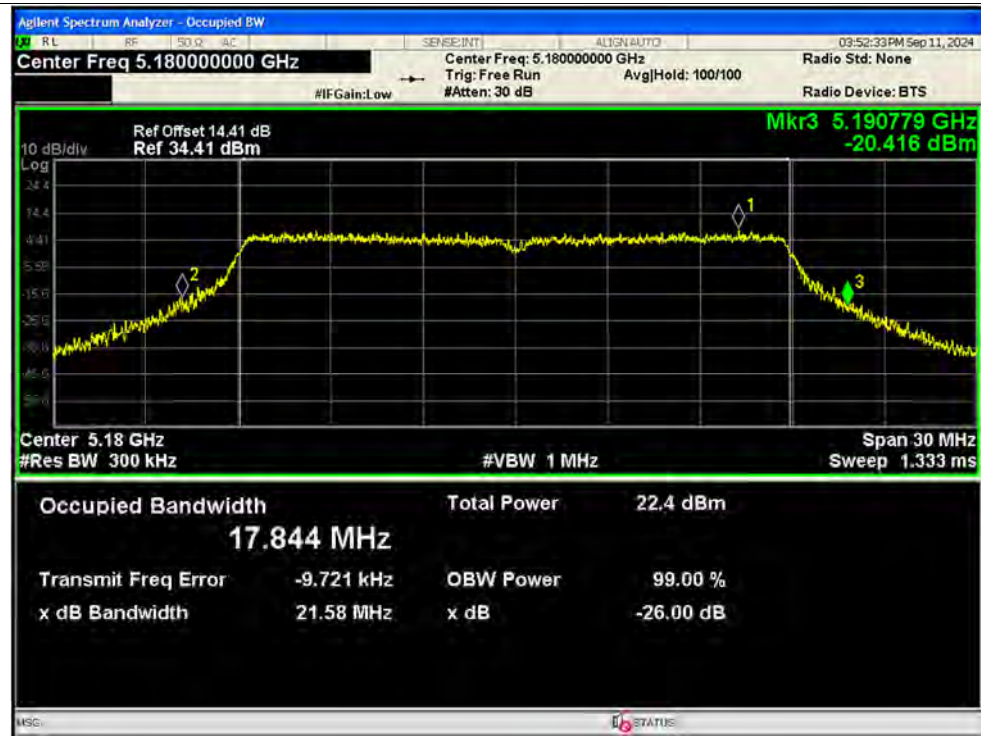


-26dB Bandwidth NVNT ac20 5180MHz Ant1 MIMO

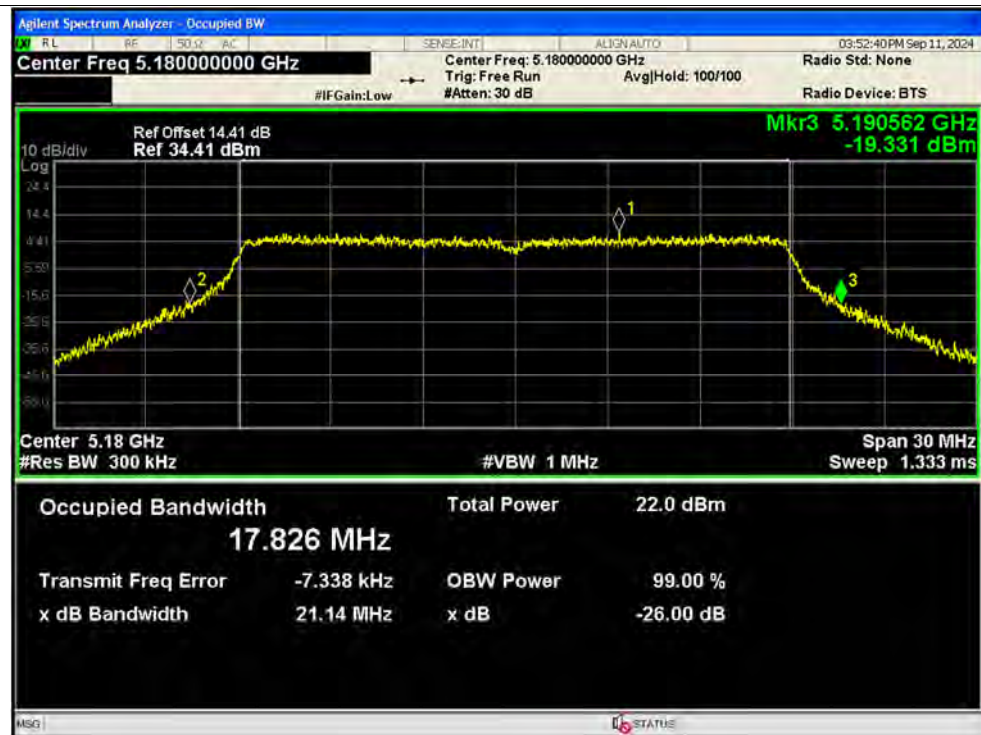




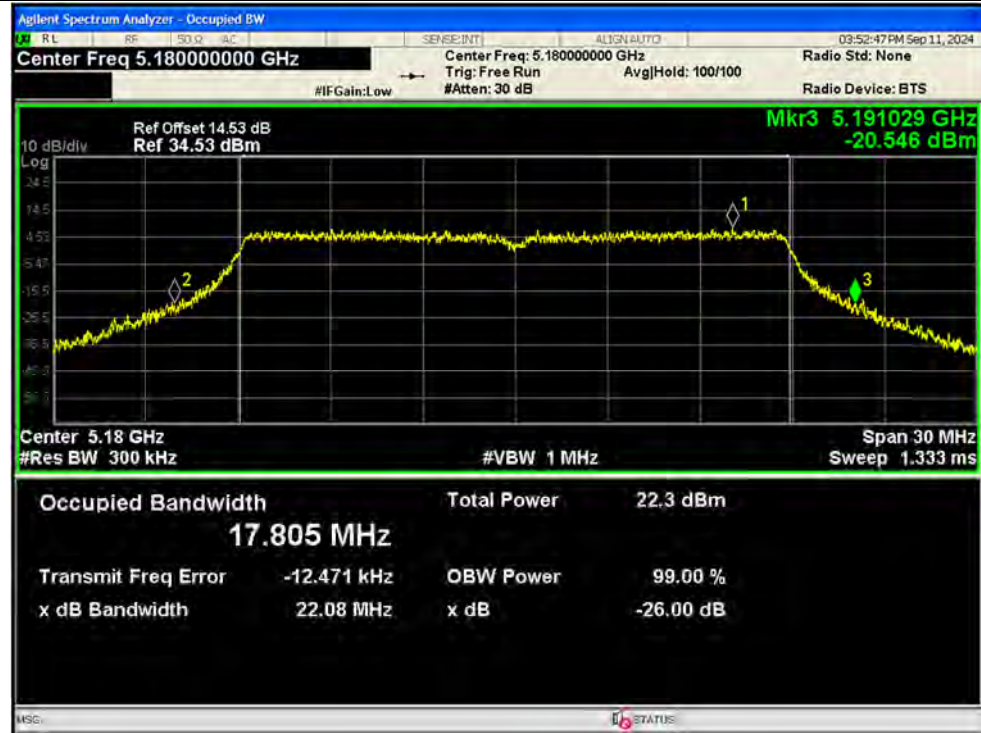
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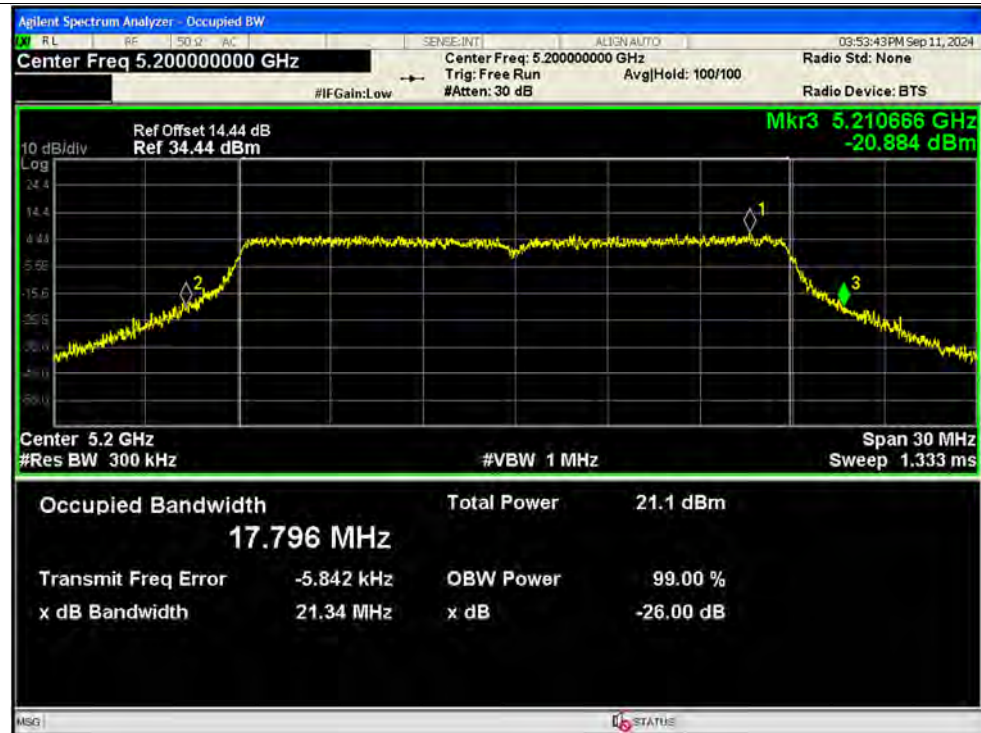
-26dB Bandwidth NVNT ac20 5180MHz Ant3 MIMO



-26dB Bandwidth NVNT ac20 5180MHz Ant4 MIMO

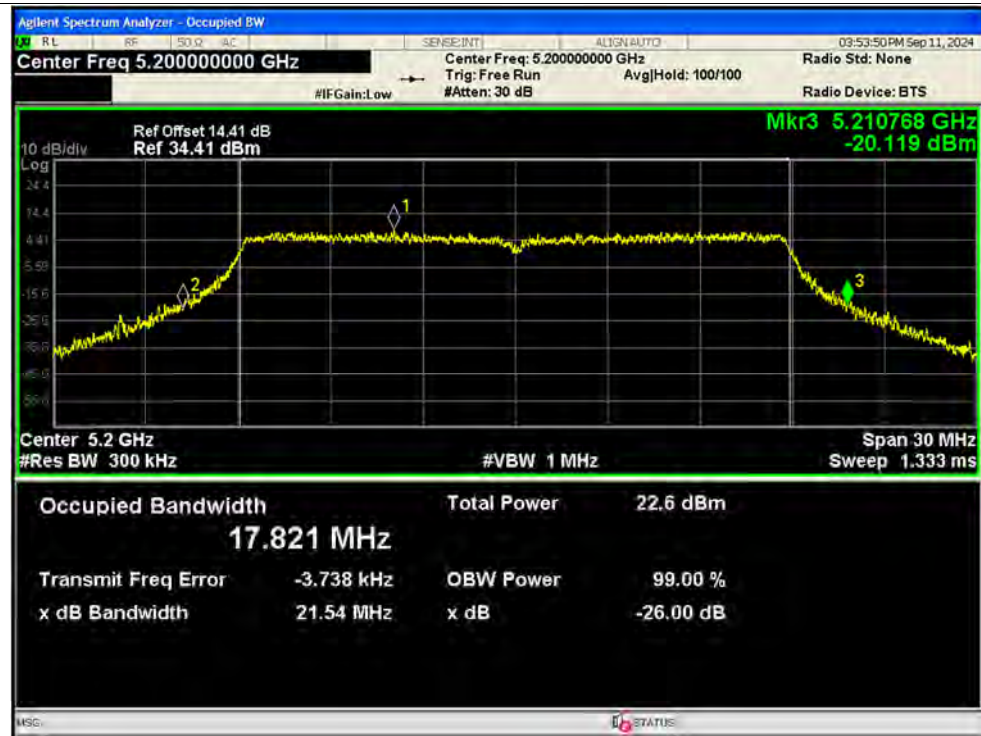


-26dB Bandwidth NVNT ac20 5200MHz Ant1 MIMO





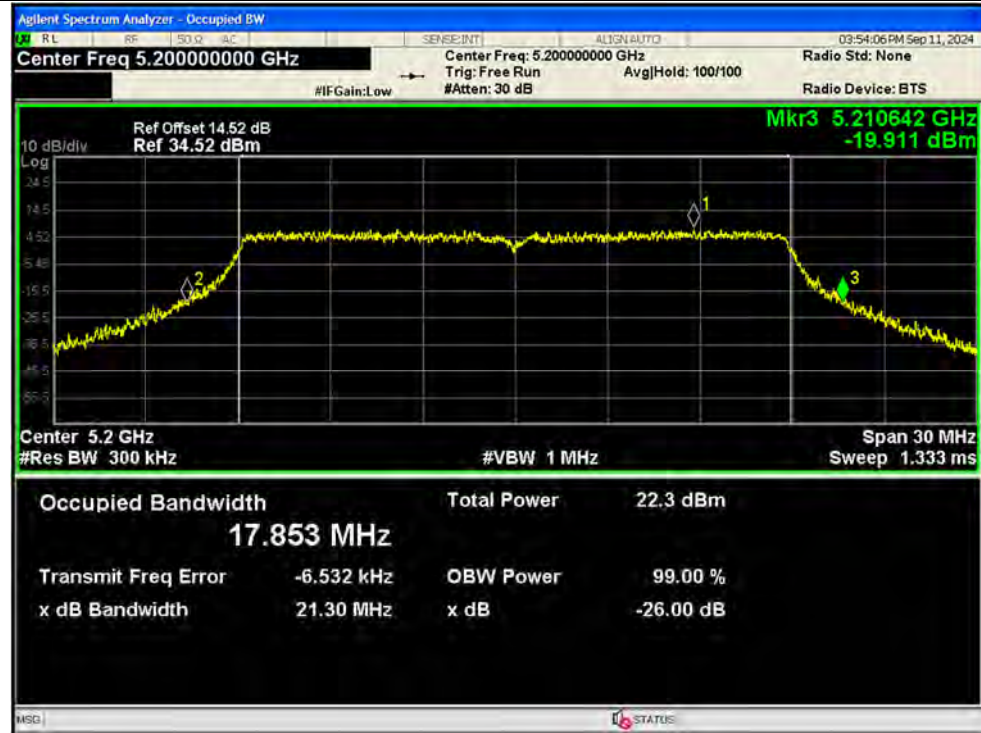
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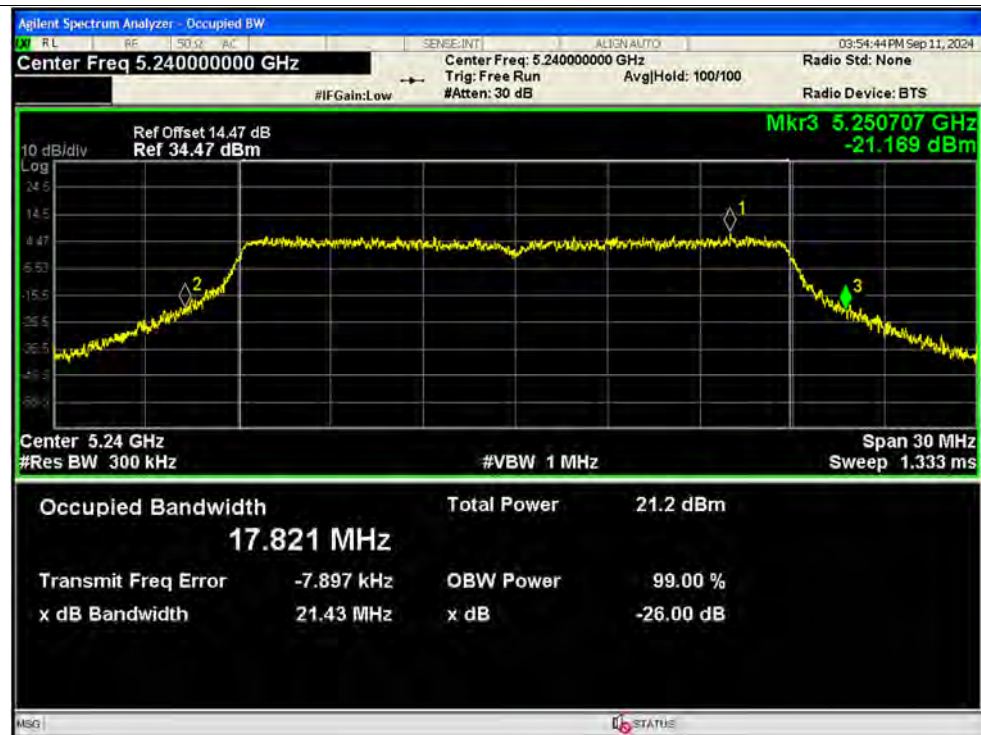
-26dB Bandwidth NVNT ac20 5200MHz Ant3 MIMO



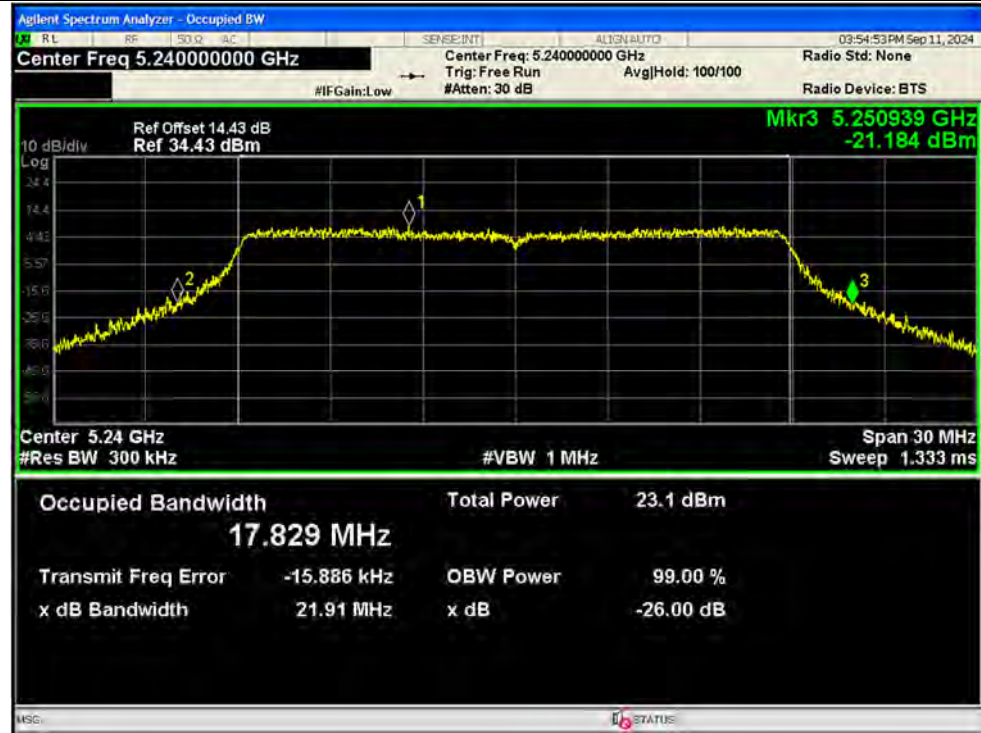
-26dB Bandwidth NVNT ac20 5200MHz Ant4 MIMO



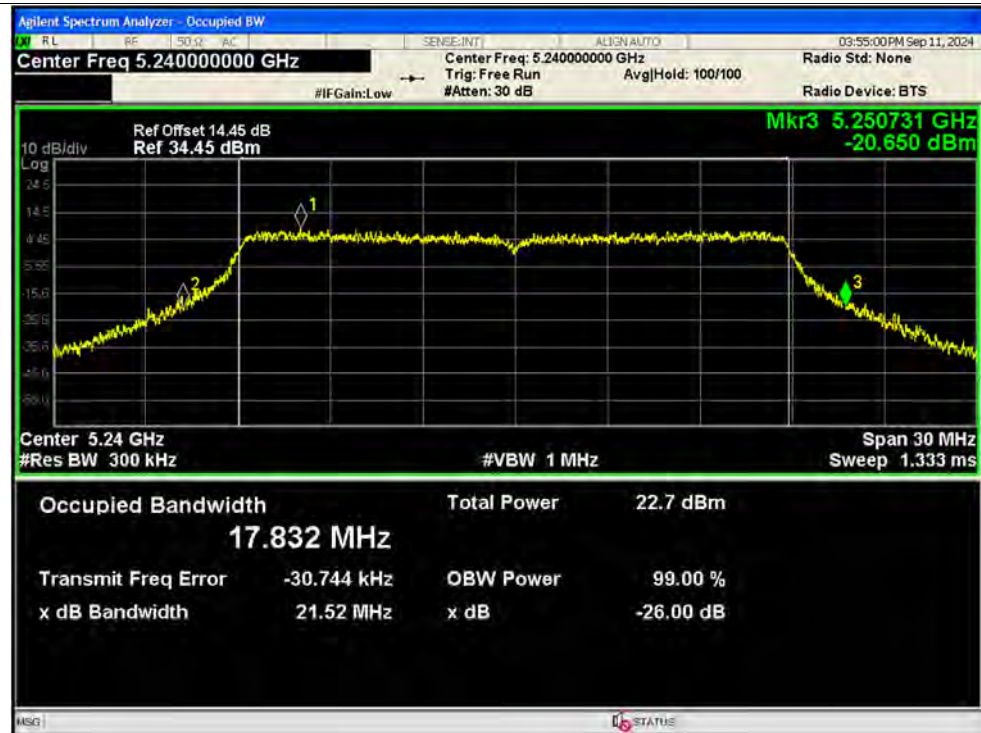
-26dB Bandwidth NVNT ac20 5240MHz Ant1 MIMO



-26dB Bandwidth NVNT ac20 5240MHz Ant2 MIMO

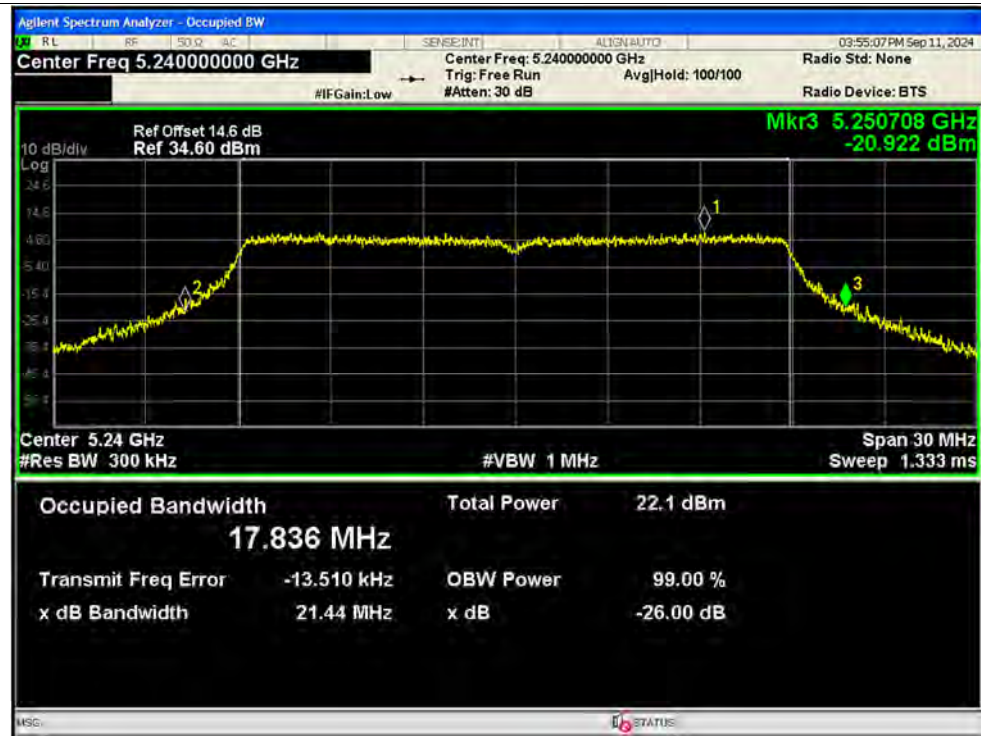


-26dB Bandwidth NVNT ac20 5240MHz Ant3 MIMO

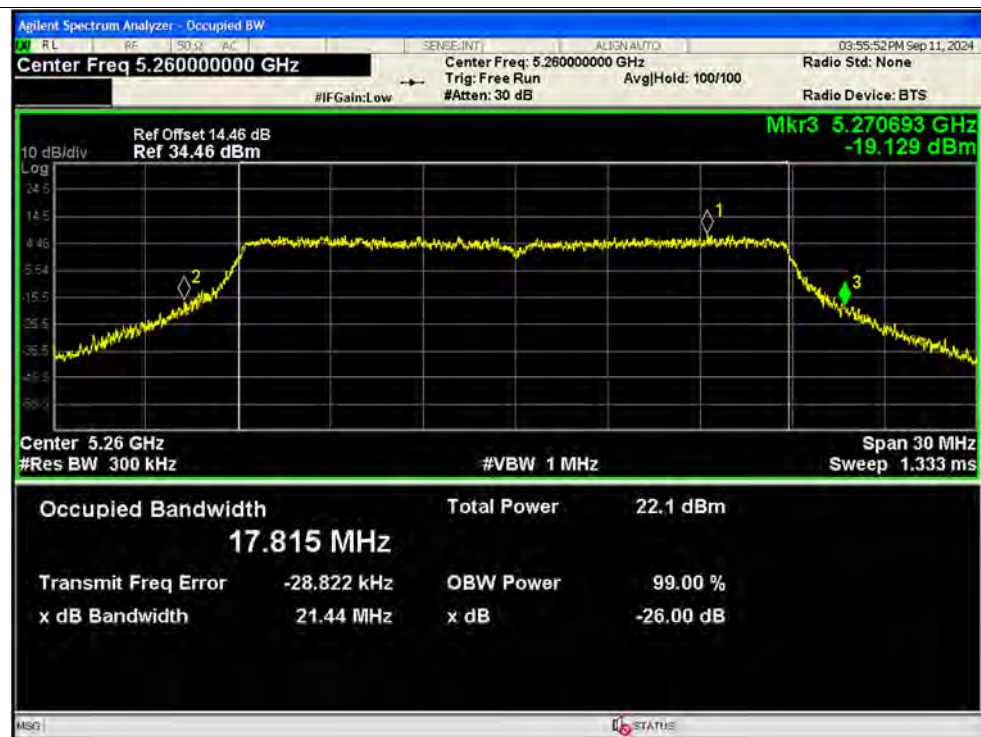




-26dB Bandwidth NVNT ac20 5240MHz Ant4 MIMO

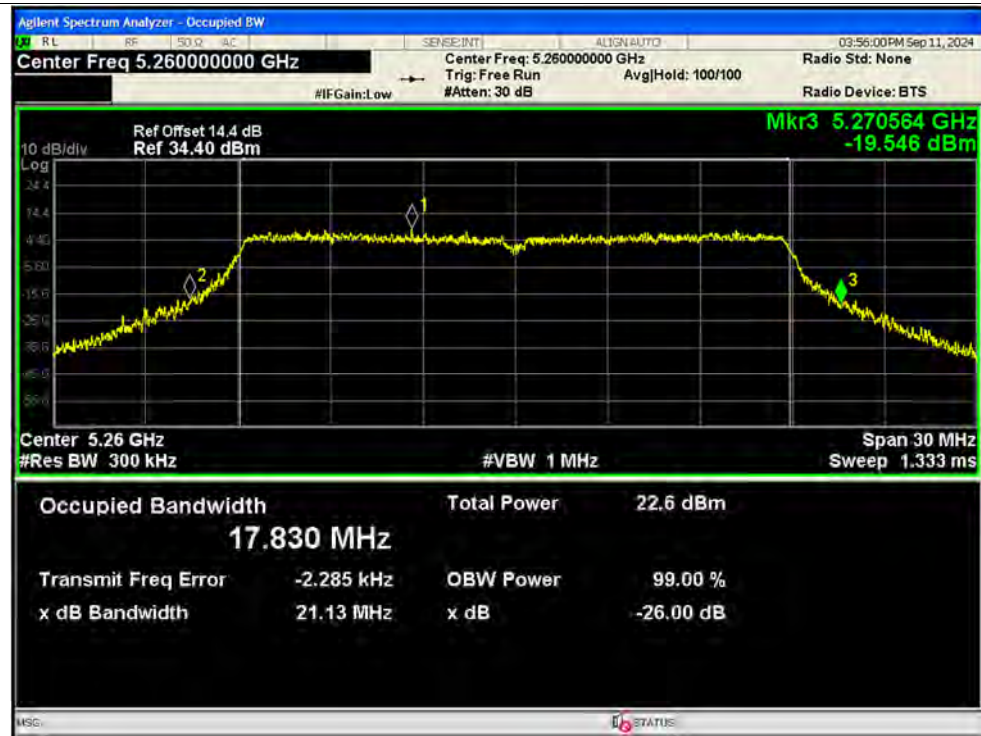


-26dB Bandwidth NVNT ac20 5260MHz Ant1 MIMO

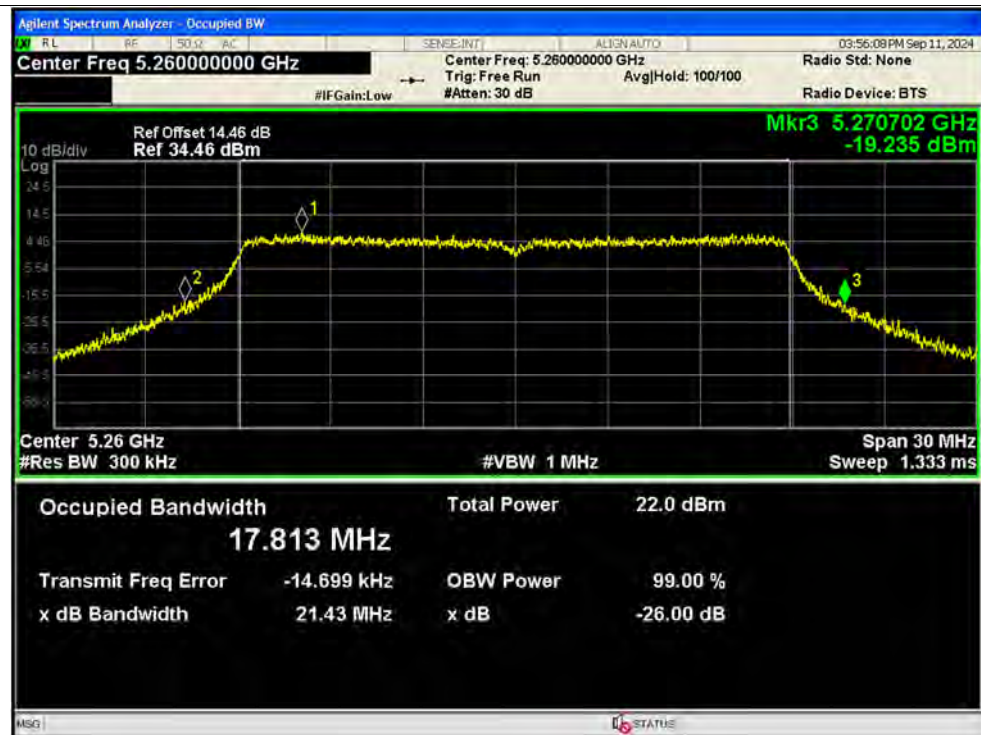




-26dB Bandwidth NVNT ac20 5260MHz Ant2 MIMO

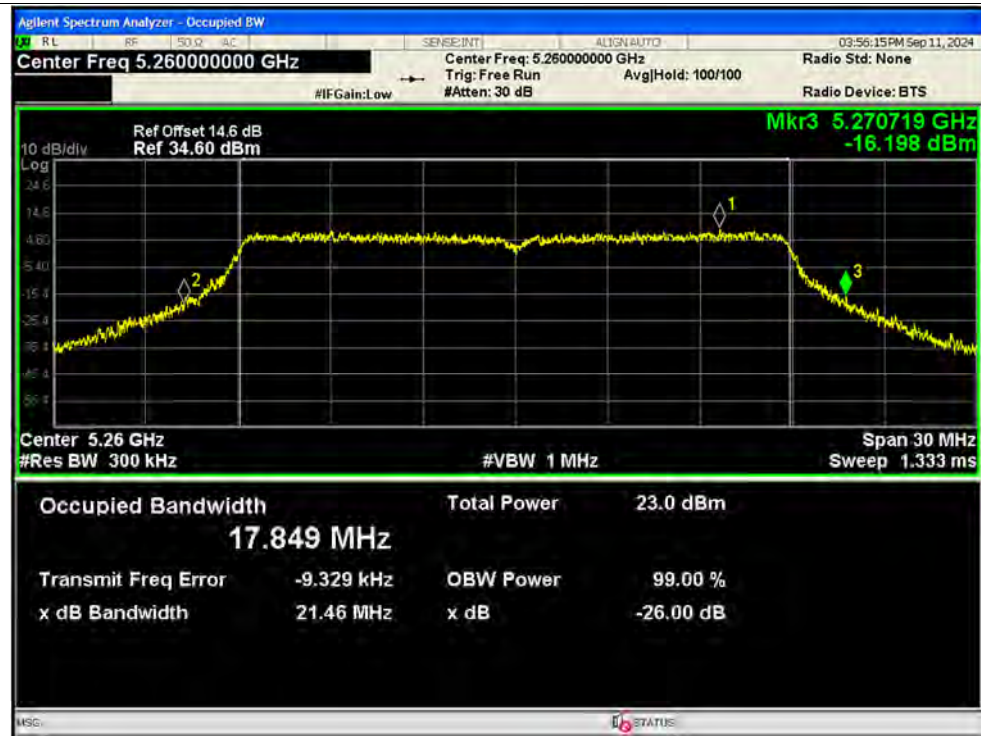


-26dB Bandwidth NVNT ac20 5260MHz Ant3 MIMO

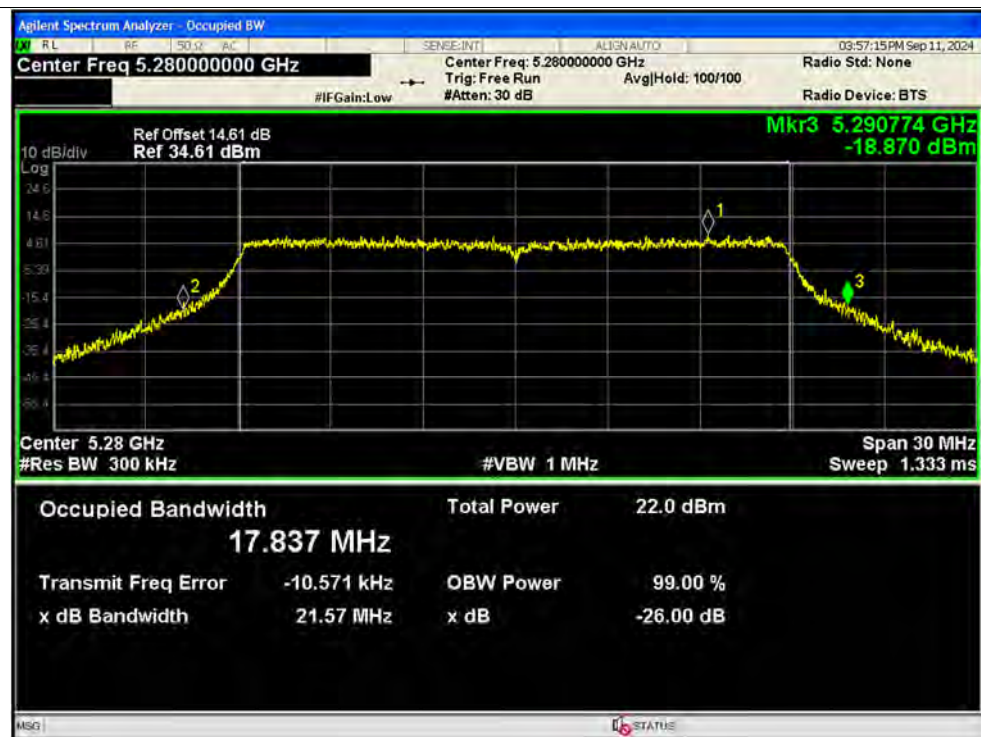




-26dB Bandwidth NVNT ac20 5260MHz Ant4 MIMO

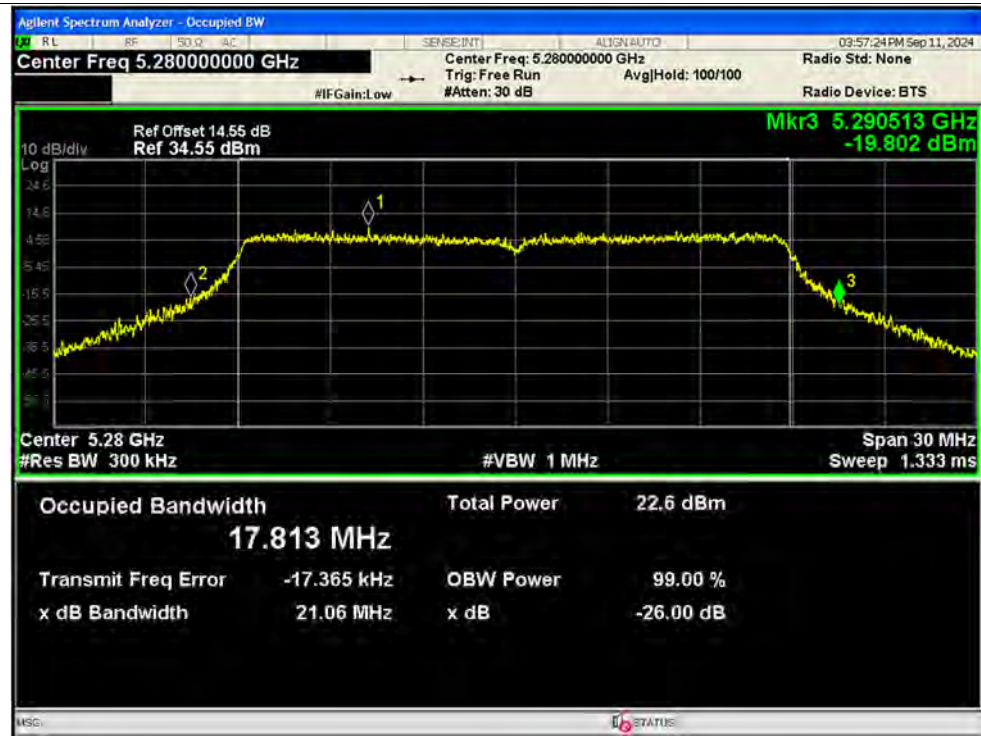


-26dB Bandwidth NVNT ac20 5280MHz Ant1 MIMO

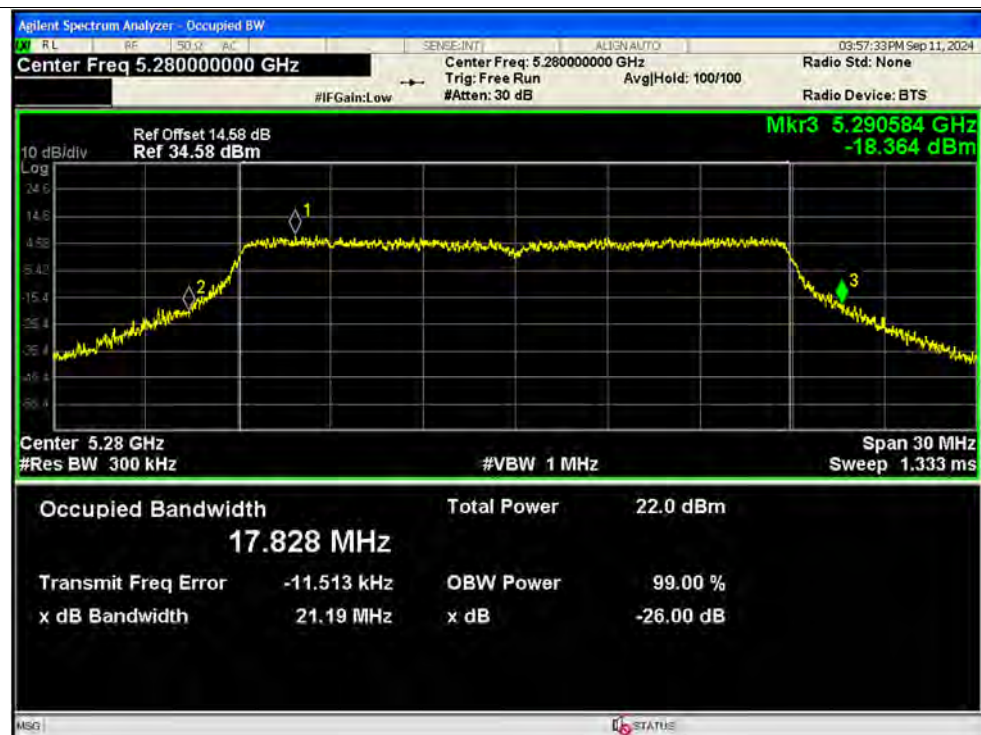




-26dB Bandwidth NVNT ac20 5280MHz Ant2 MIMO

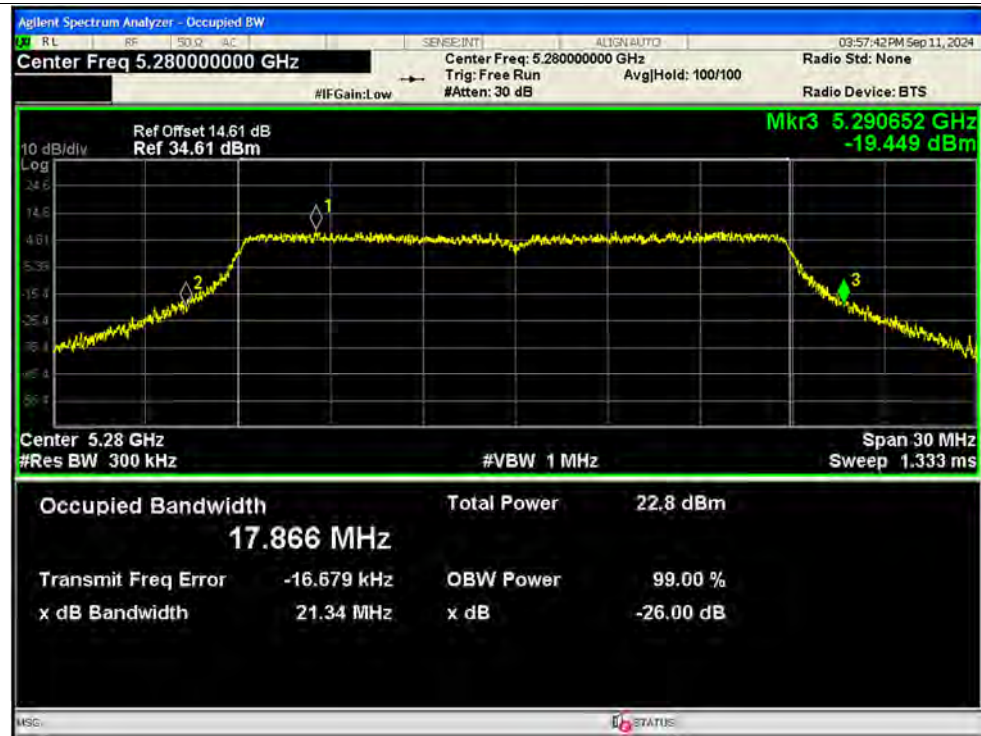


-26dB Bandwidth NVNT ac20 5280MHz Ant3 MIMO

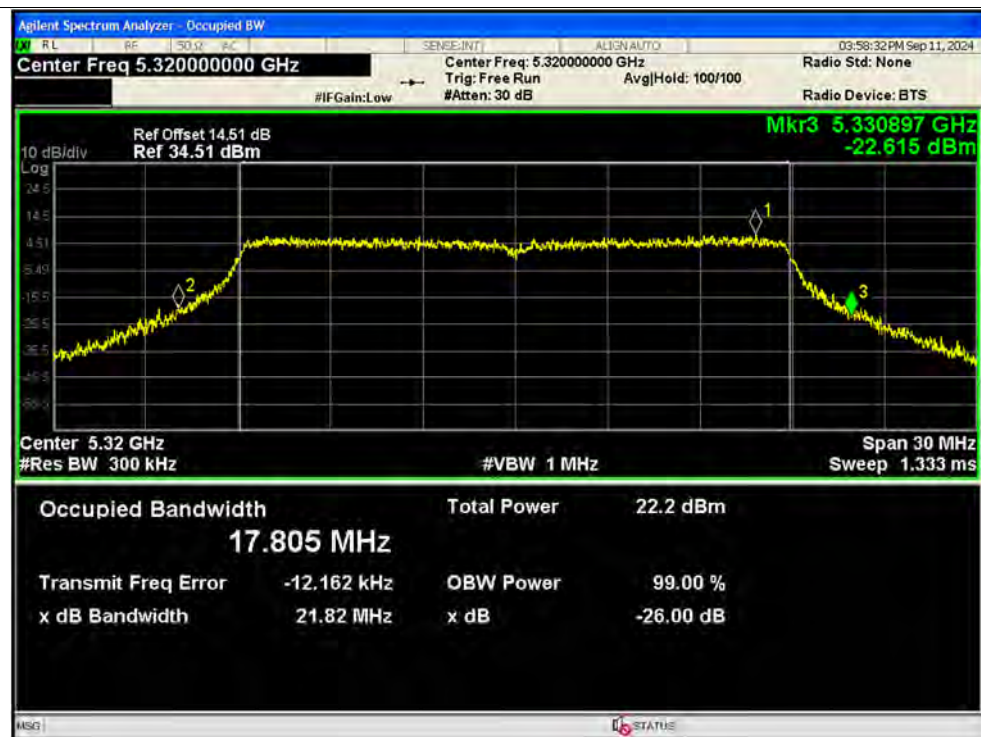




-26dB Bandwidth NVNT ac20 5280MHz Ant4 MIMO



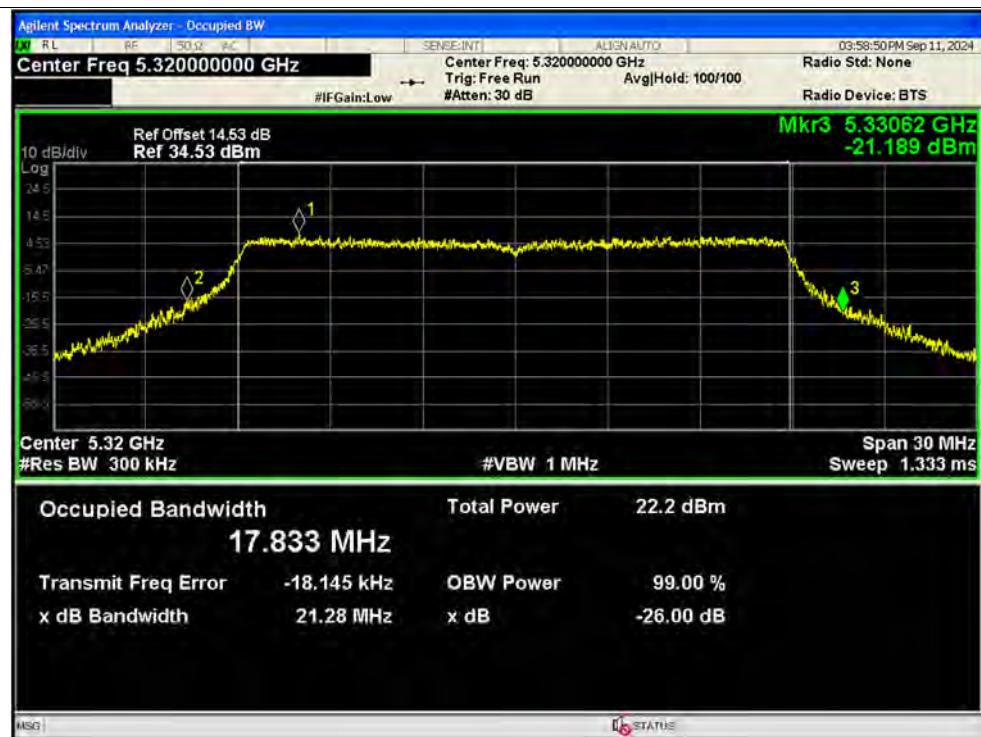
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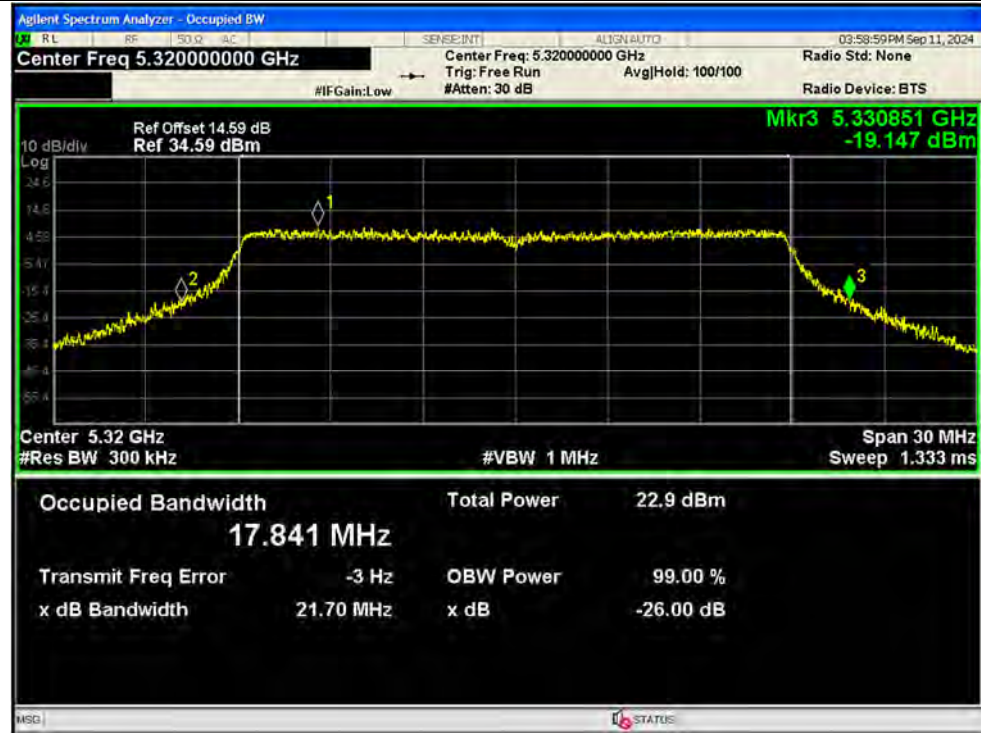
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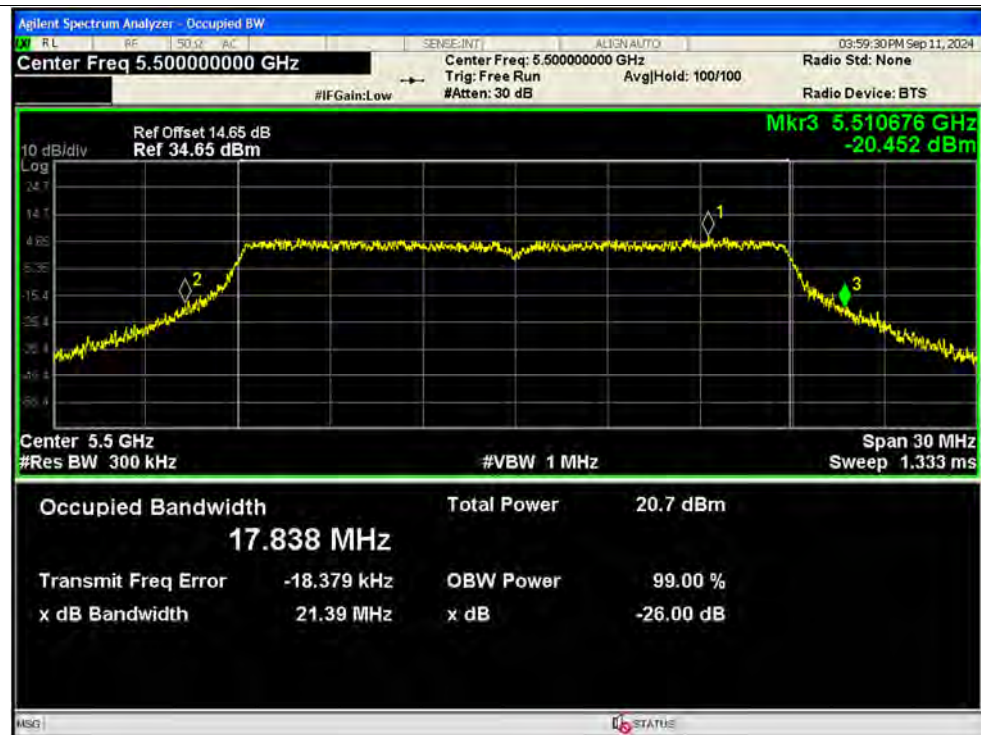
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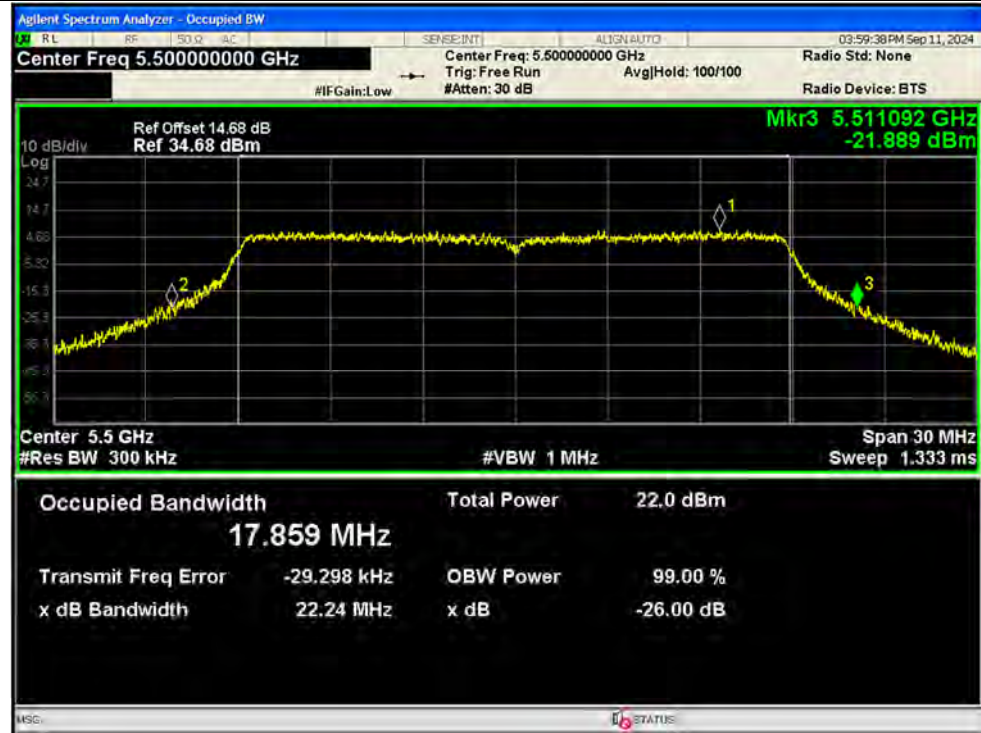
-26dB Bandwidth NVNT ac20 5320MHz Ant4 MIMO



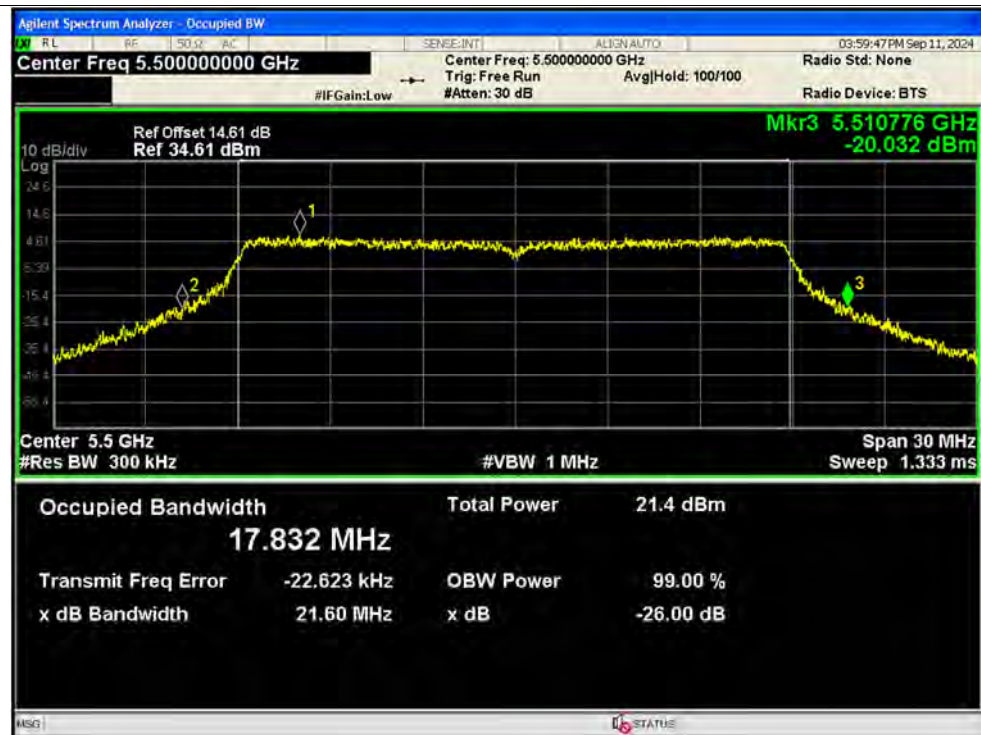
-26dB Bandwidth NVNT ac20 5500MHz Ant1 MIMO



-26dB Bandwidth NVNT ac20 5500MHz Ant2 MIMO

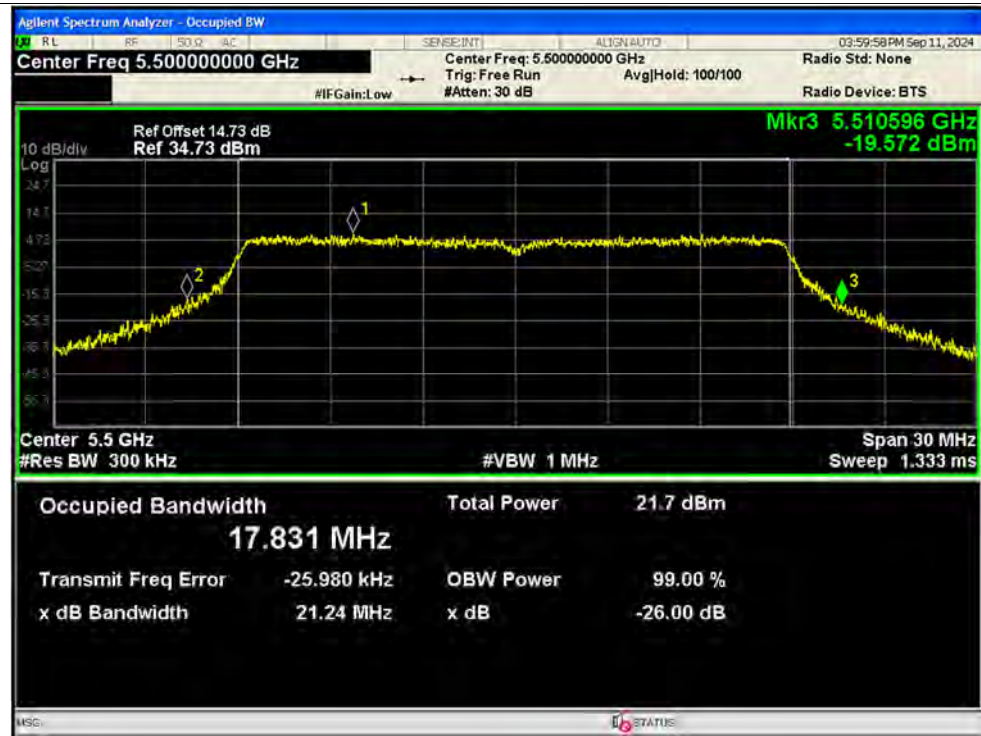


-26dB Bandwidth NVNT ac20 5500MHz Ant3 MIMO

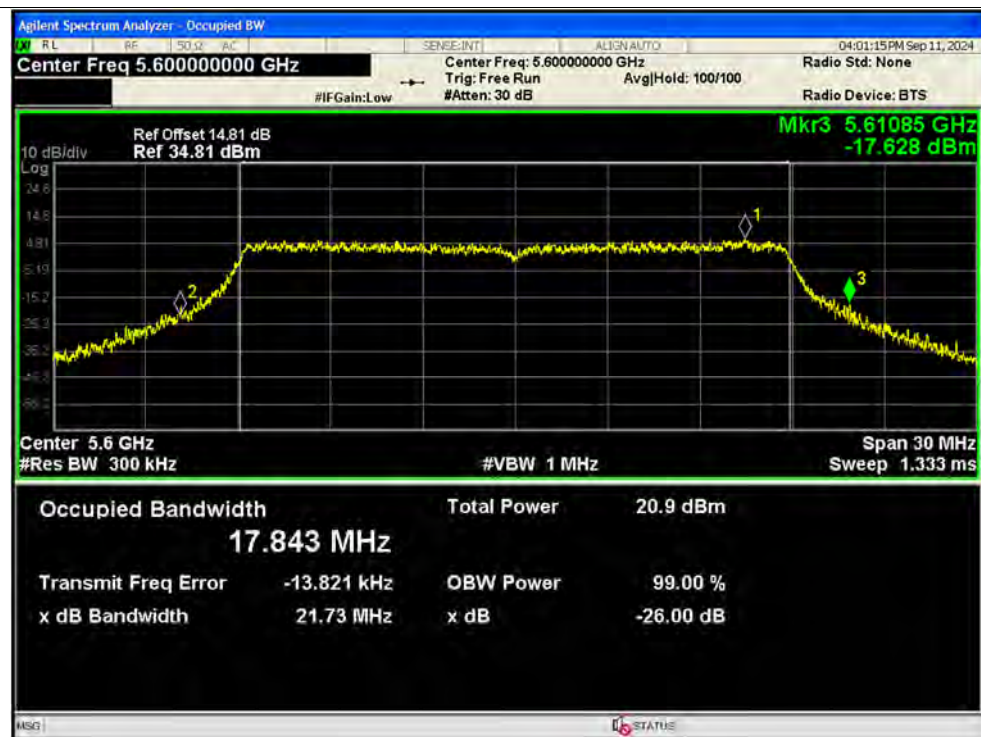




-26dB Bandwidth NVNT ac20 5500MHz Ant4 MIMO



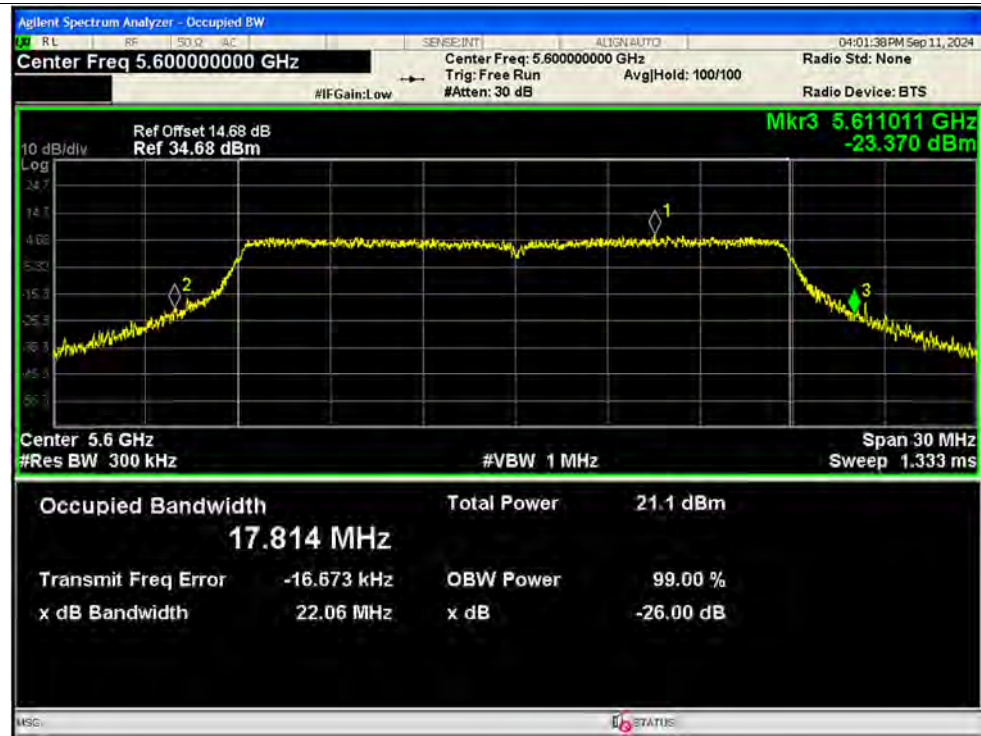
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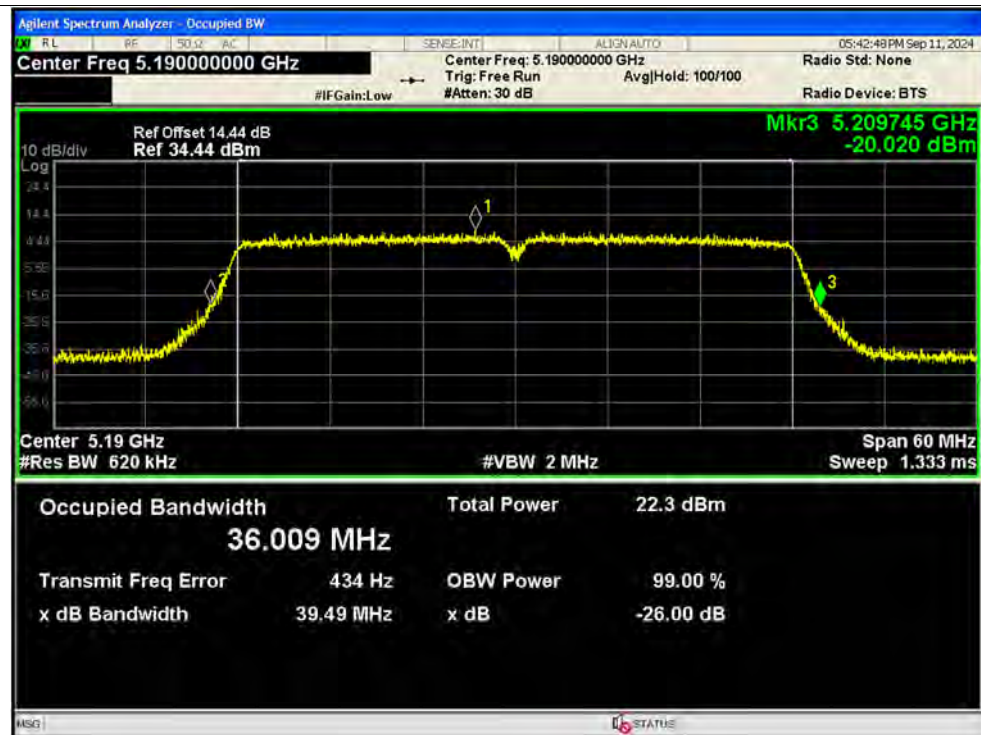




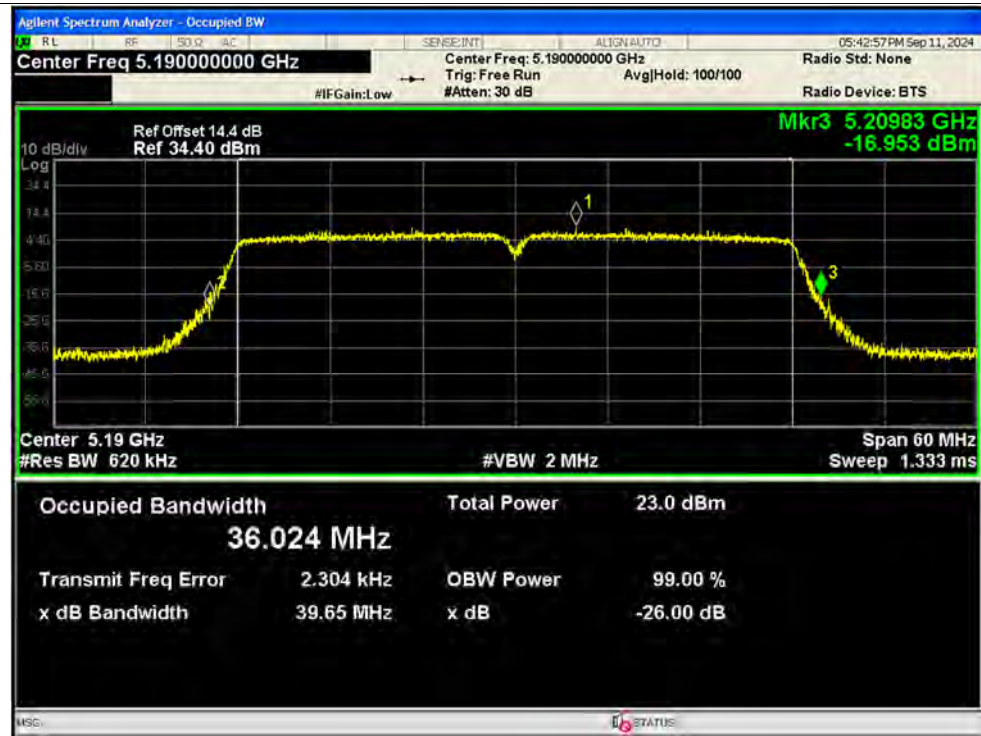
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-26dB Bandwidth NVNT ac40 5190MHz Ant1 MIMO



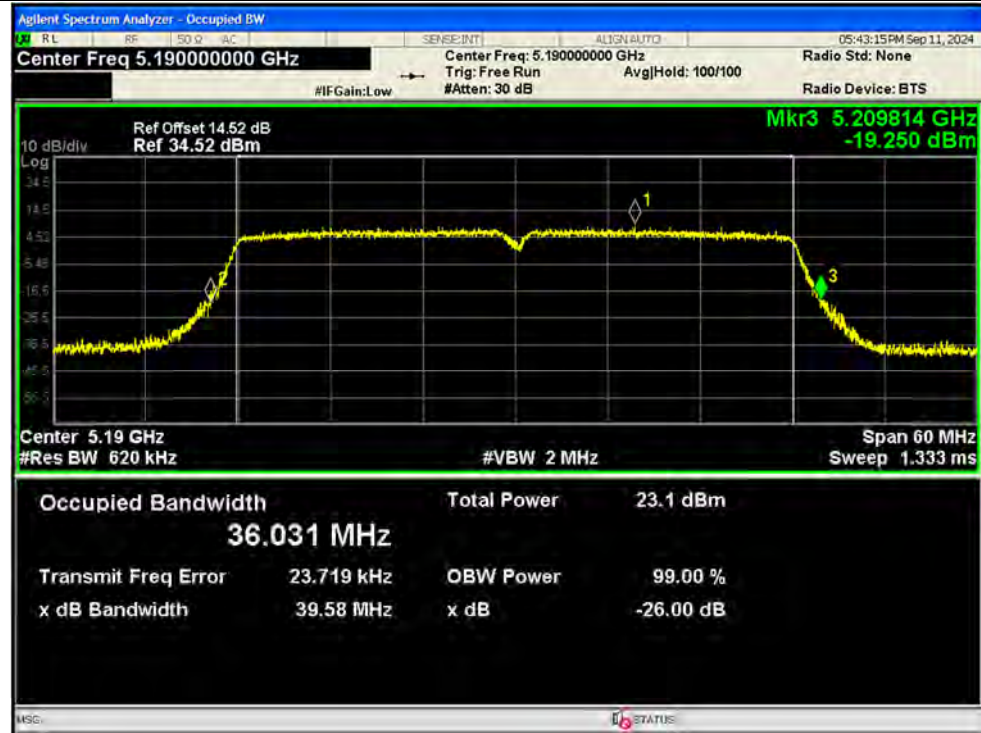
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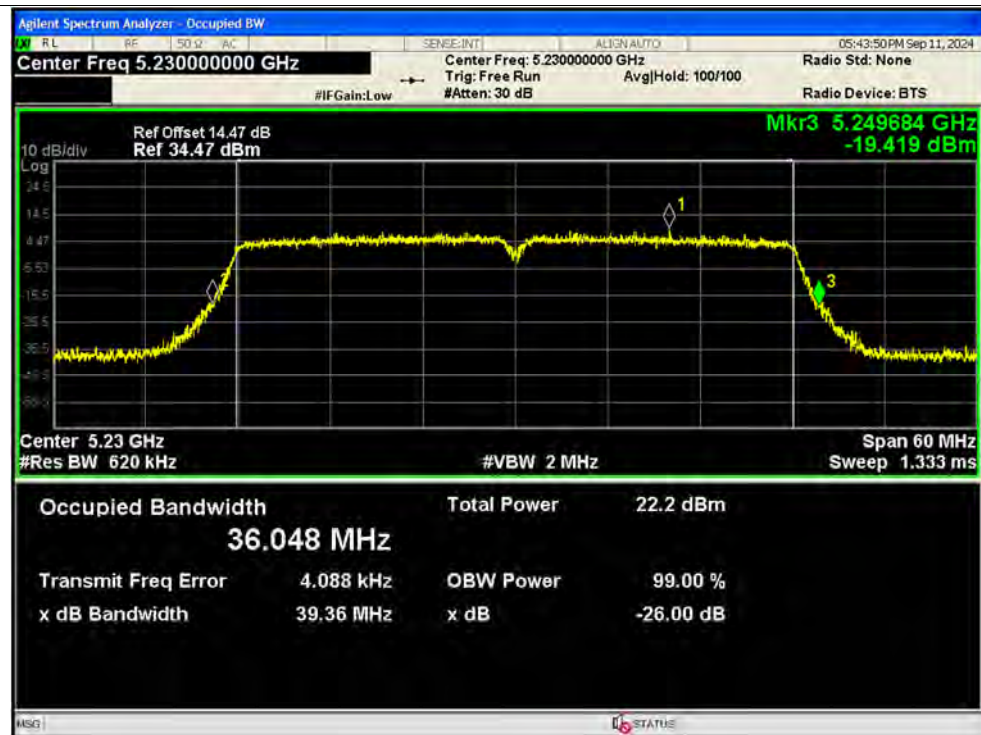
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-26dB Bandwidth NVNT ac40 5190MHz Ant4 MIMO

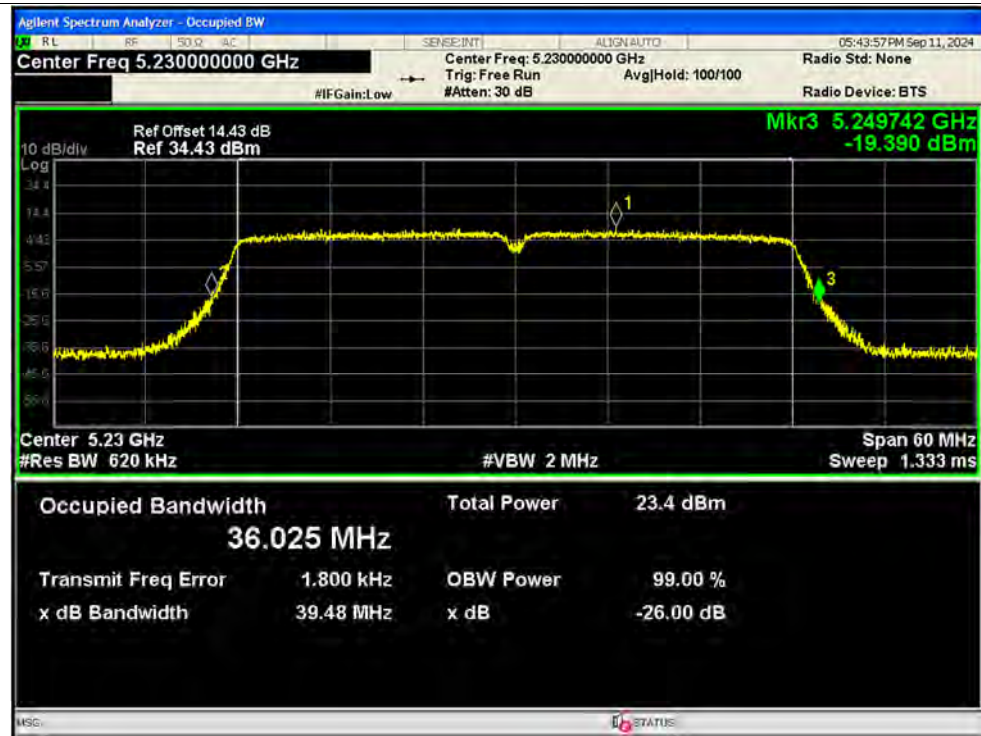


-26dB Bandwidth NVNT ac40 5230MHz Ant1 MIMO





-26dB Bandwidth NVNT ac40 5230MHz Ant2 MIMO

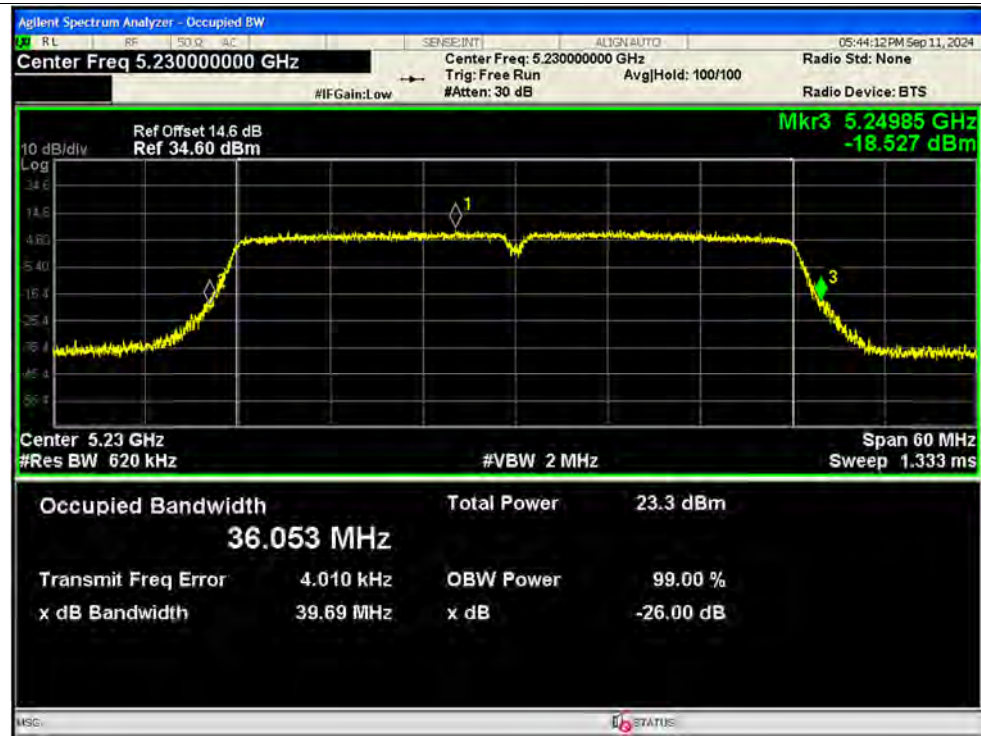


-26dB Bandwidth NVNT ac40 5230MHz Ant3 MIMO

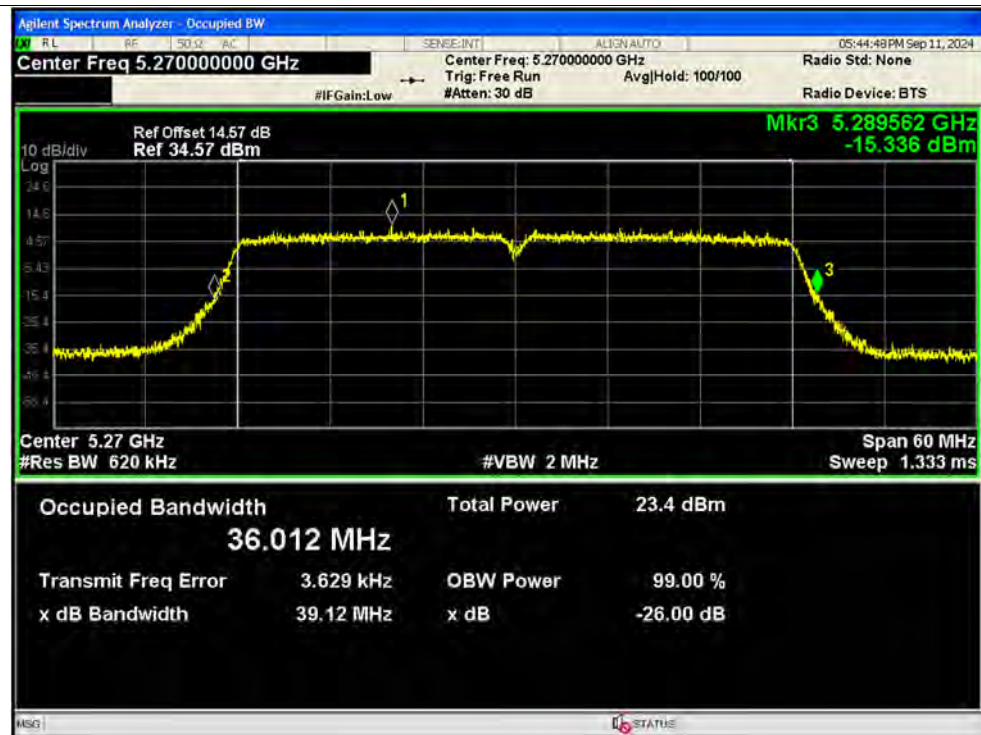




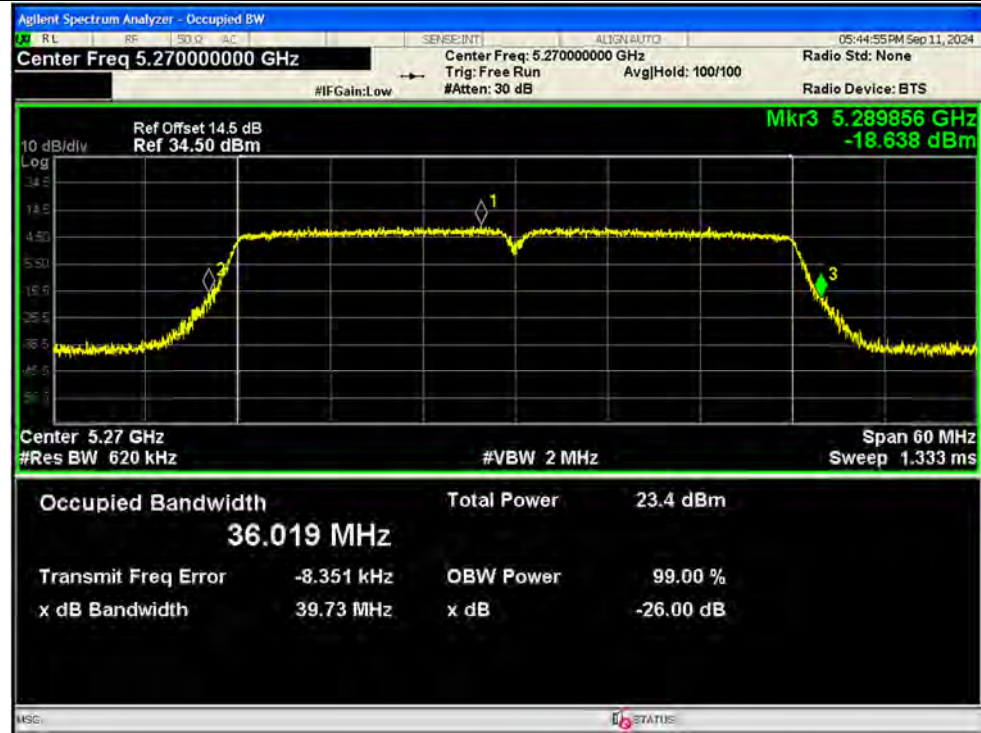
-26dB Bandwidth NVNT ac40 5230MHz Ant4 MIMO



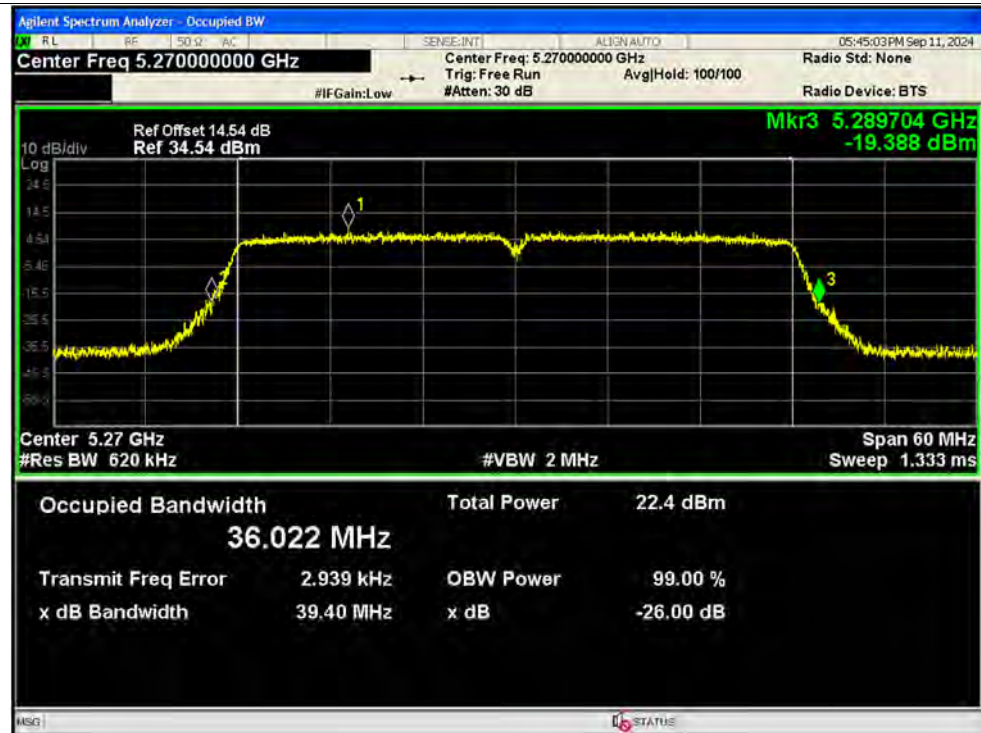
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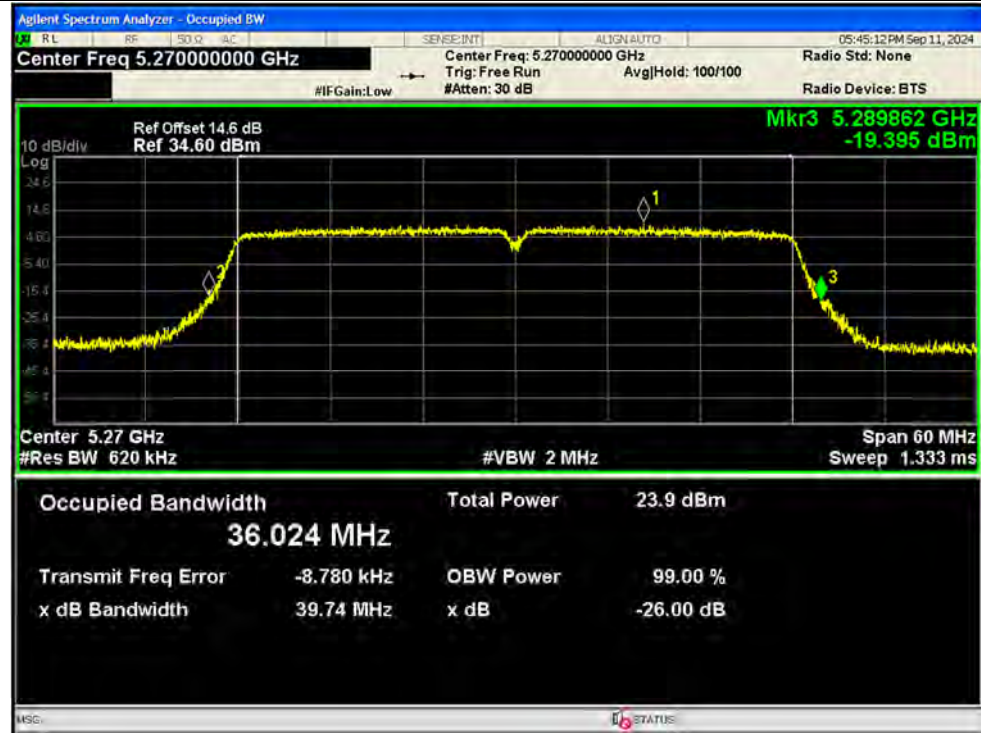
-26dB Bandwidth NVNT ac40 5270MHz Ant2 MIMO



-26dB Bandwidth NVNT ac40 5270MHz Ant3 MIMO



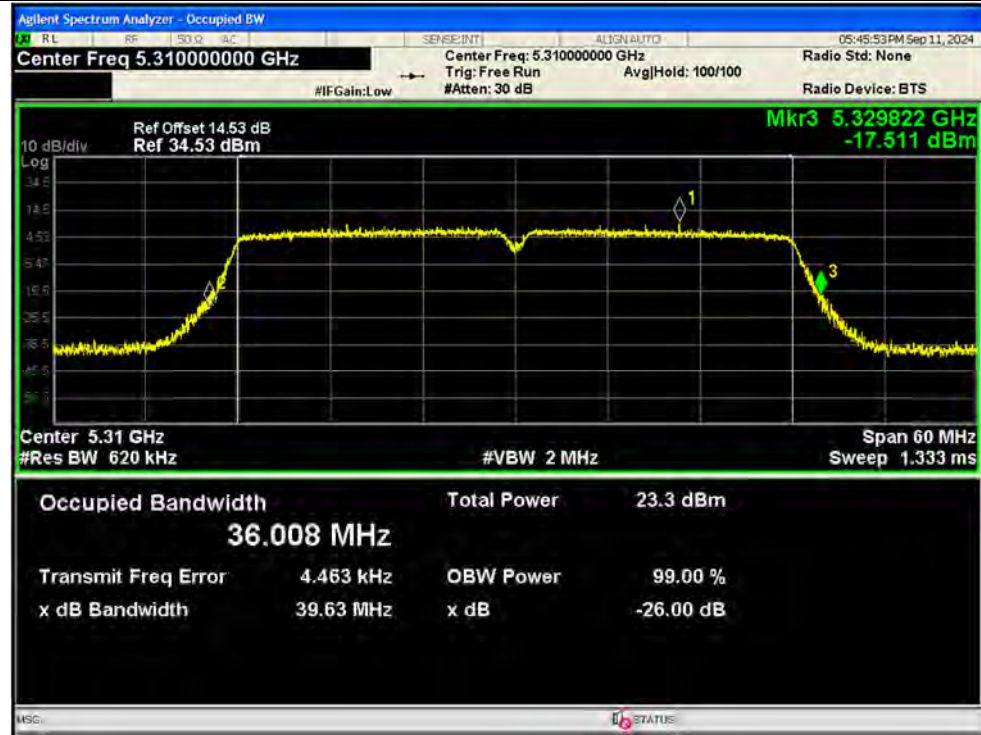
-26dB Bandwidth NVNT ac40 5270MHz Ant4 MIMO



-26dB Bandwidth NVNT ac40 5310MHz Ant1 MIMO



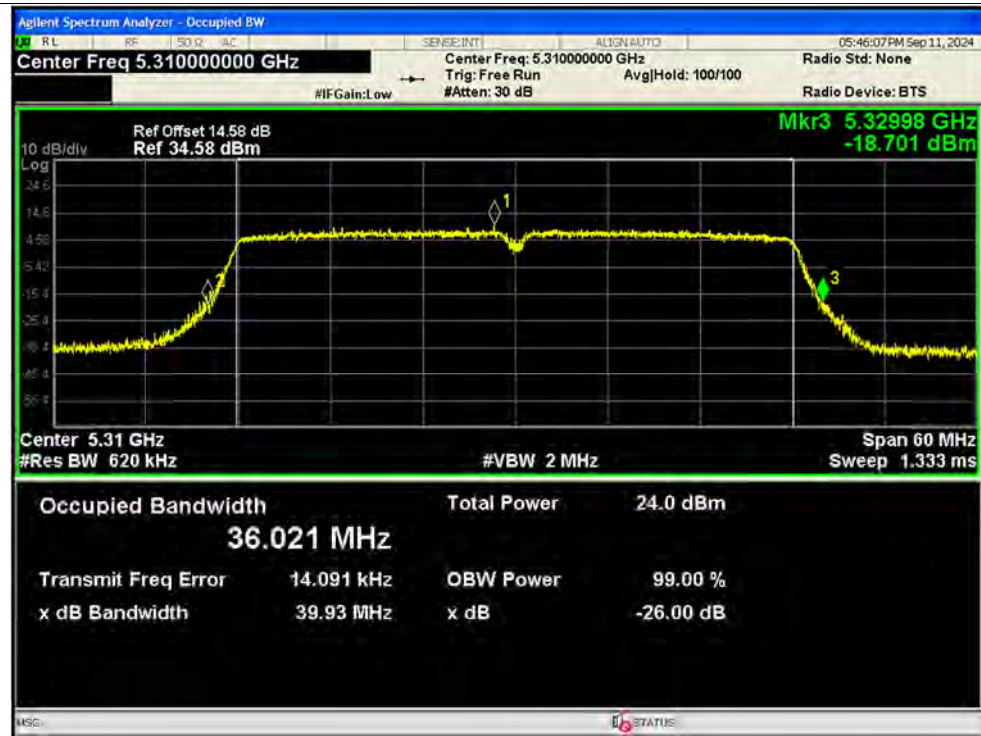
-26dB Bandwidth NVNT ac40 5310MHz Ant2 MIMO



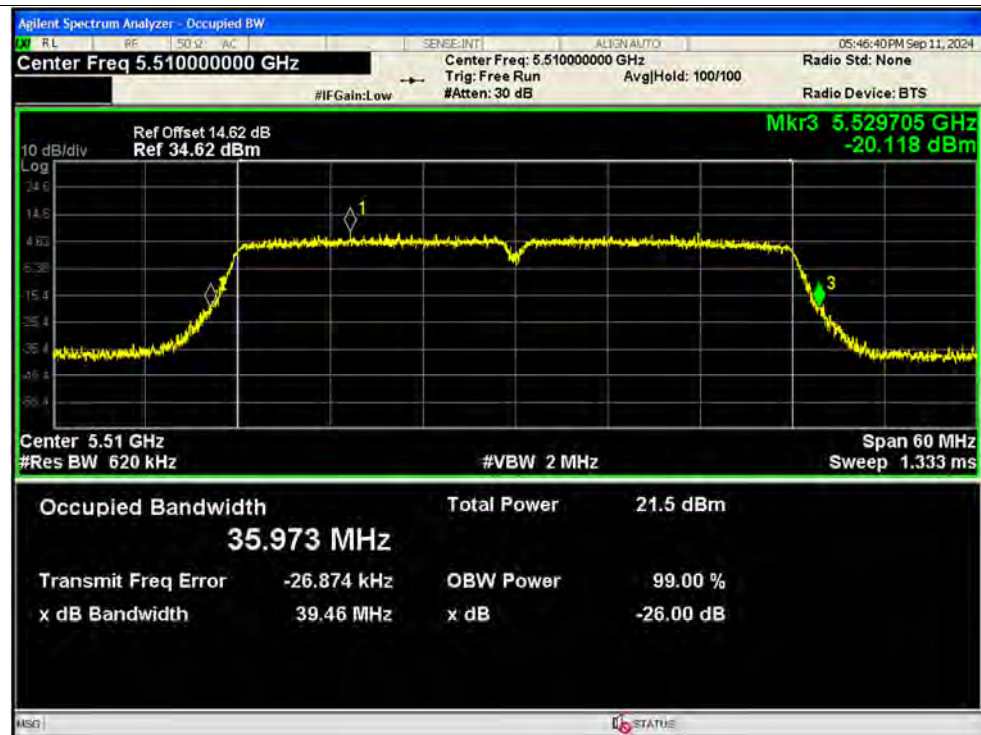
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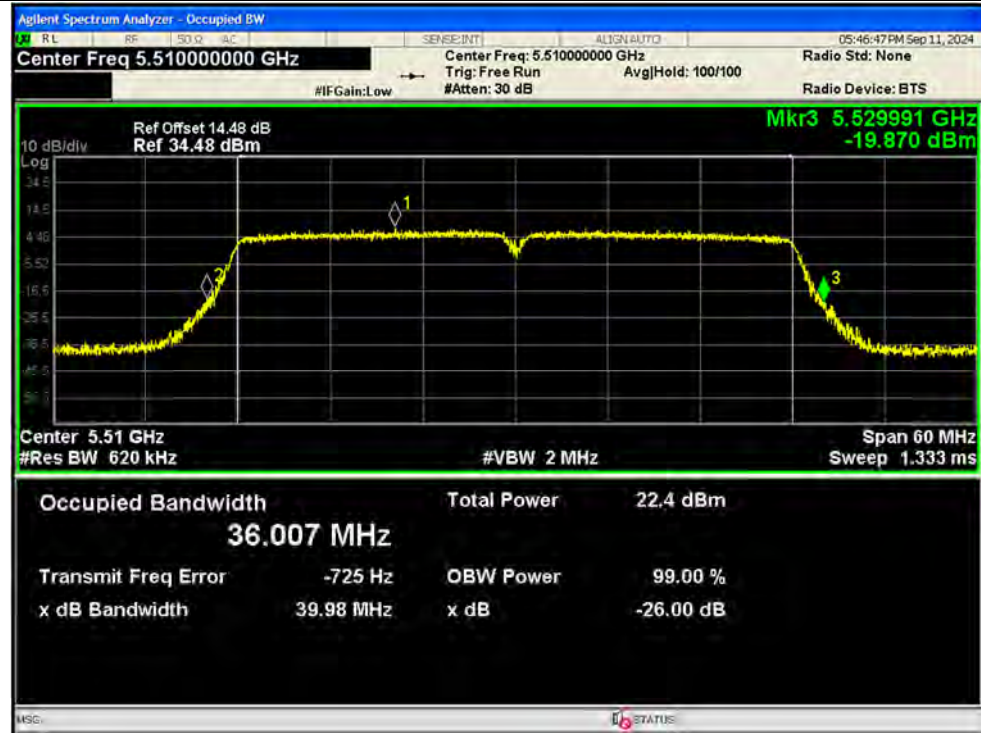
-26dB Bandwidth NVNT ac40 5310MHz Ant4 MIMO



-26dB Bandwidth NVNT ac40 5510MHz Ant1 MIMO



-26dB Bandwidth NVNT ac40 5510MHz Ant2 MIMO



-26dB Bandwidth NVNT ac40 5510MHz Ant3 MIMO



-26dB Bandwidth NVNT ac40 5510MHz Ant4 MIMO



-26dB Bandwidth NVNT ac40 5590MHz Ant1 MIMO



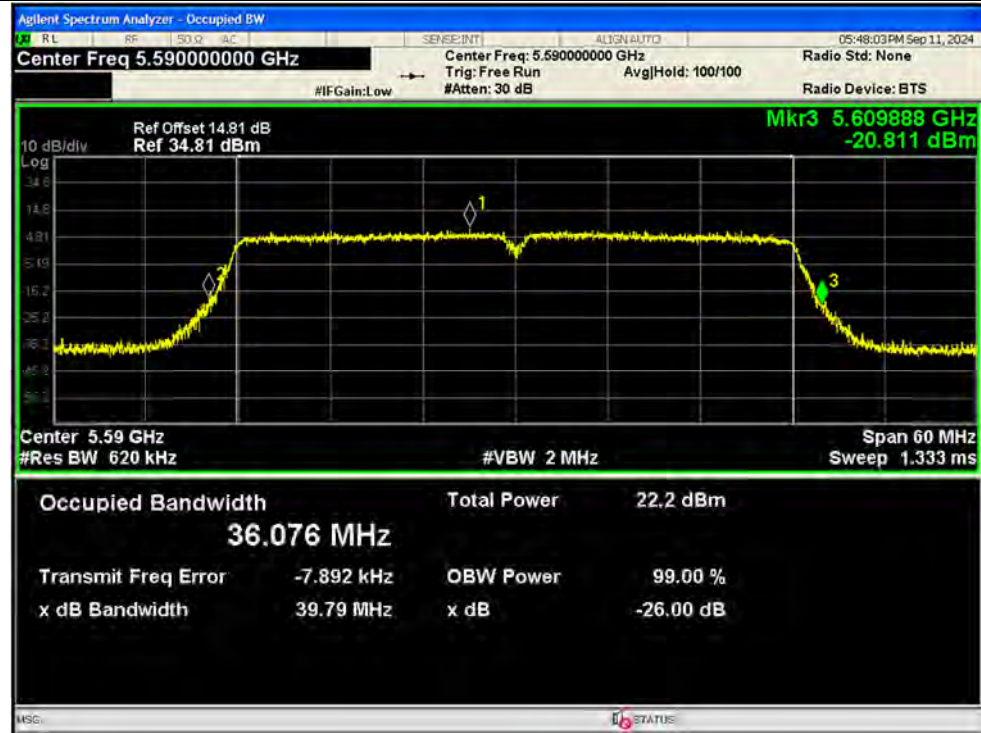
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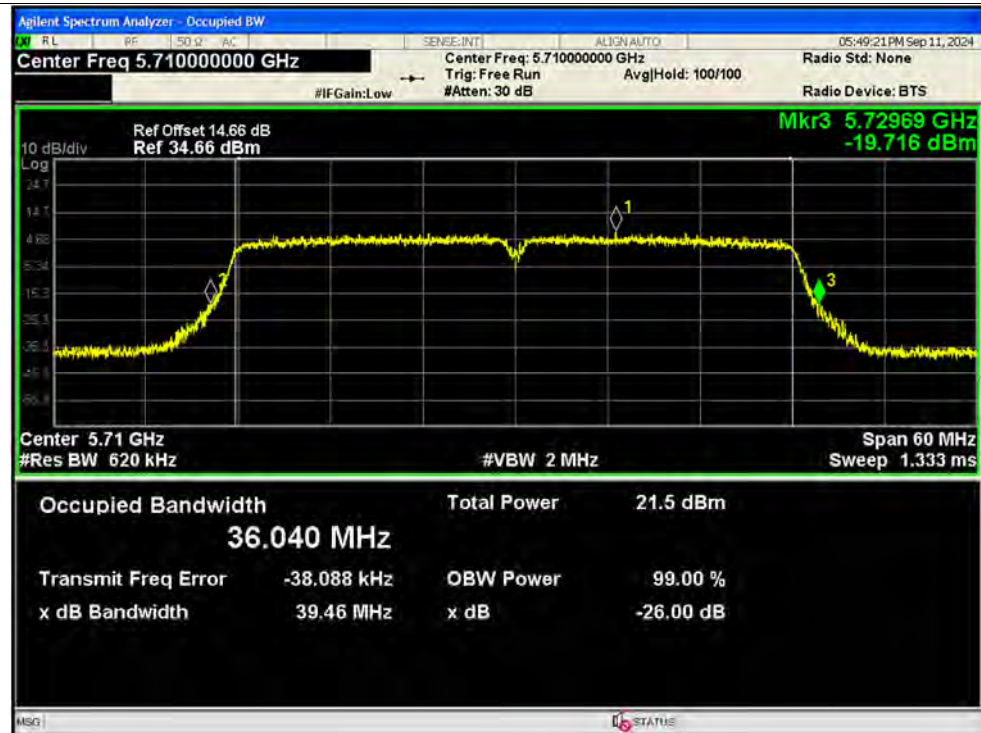
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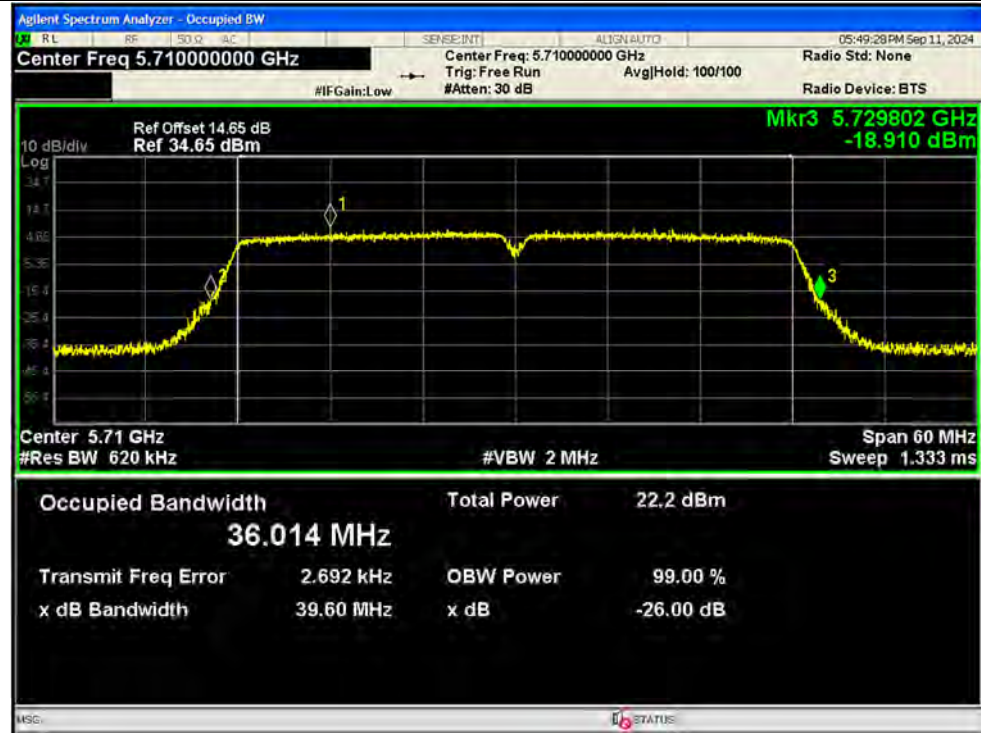
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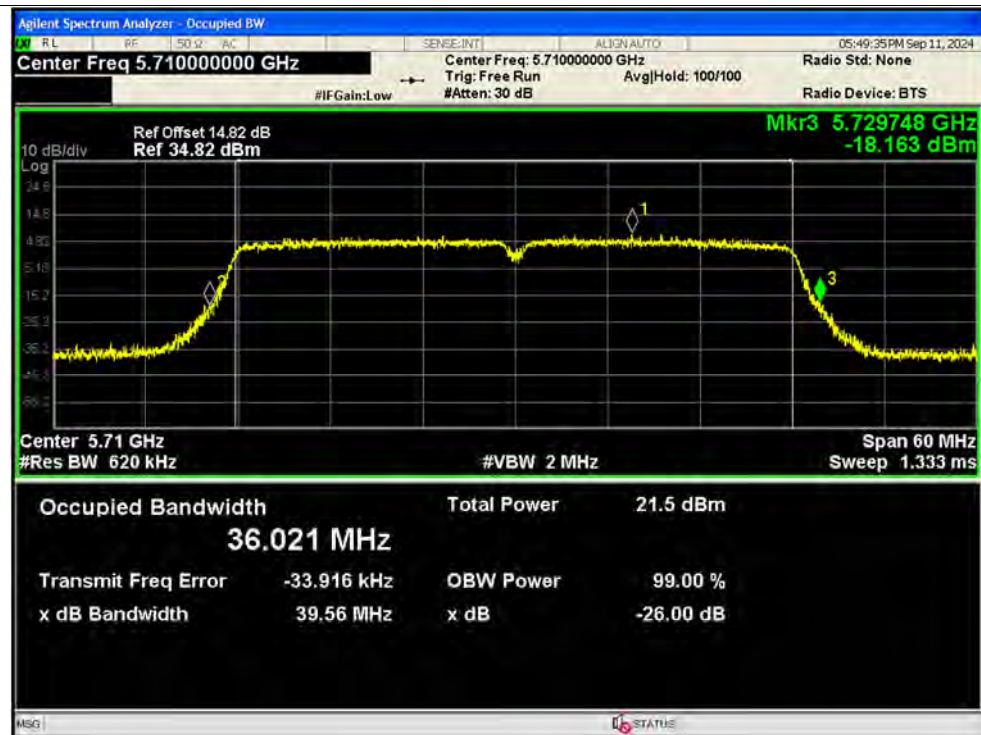
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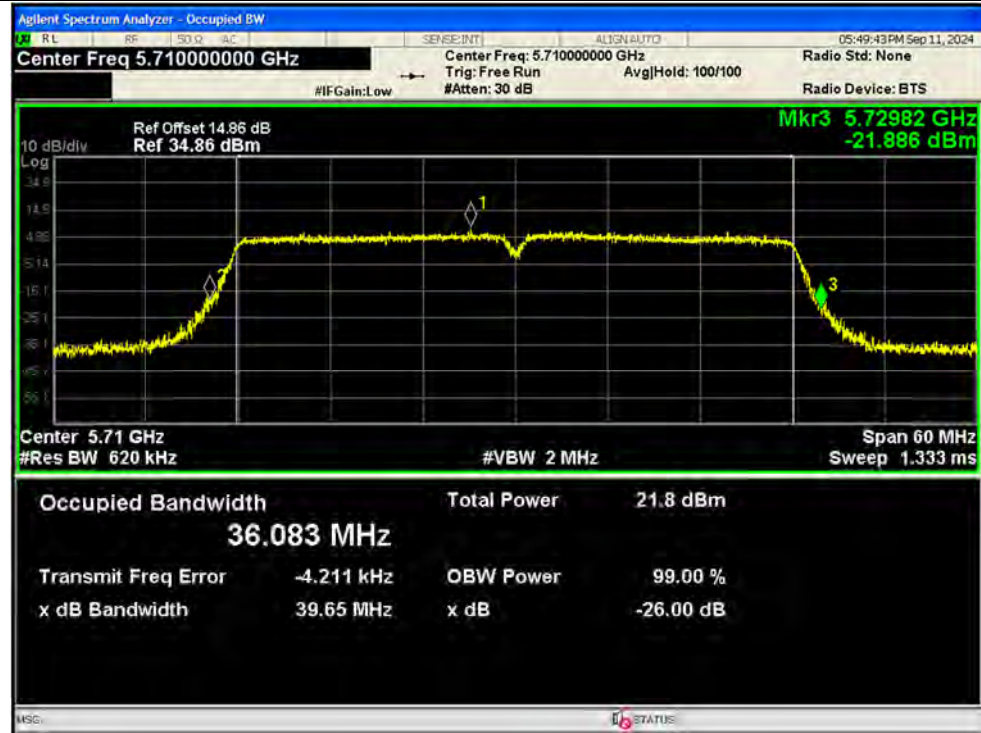
-26dB Bandwidth NVNT ac40 5710MHz Ant2 MIMO



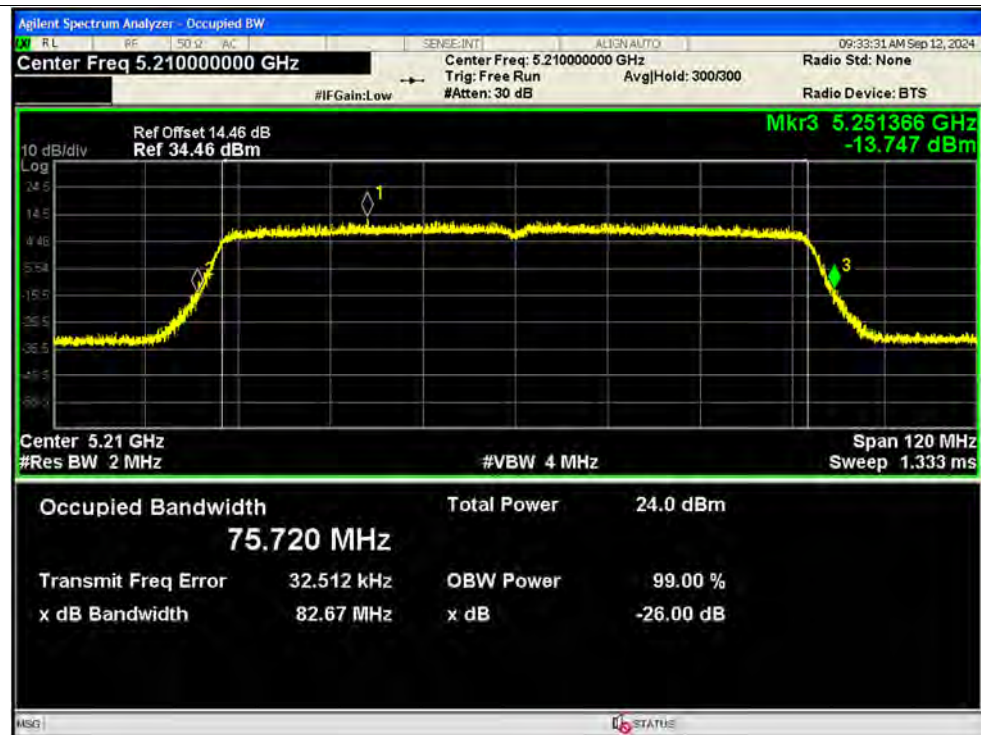
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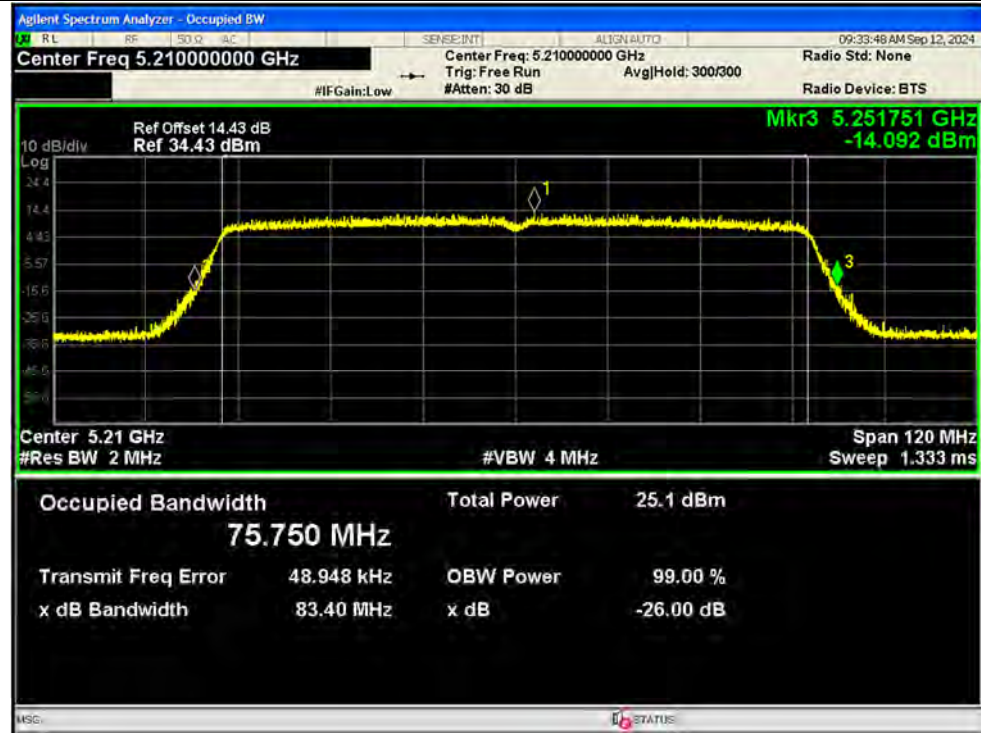
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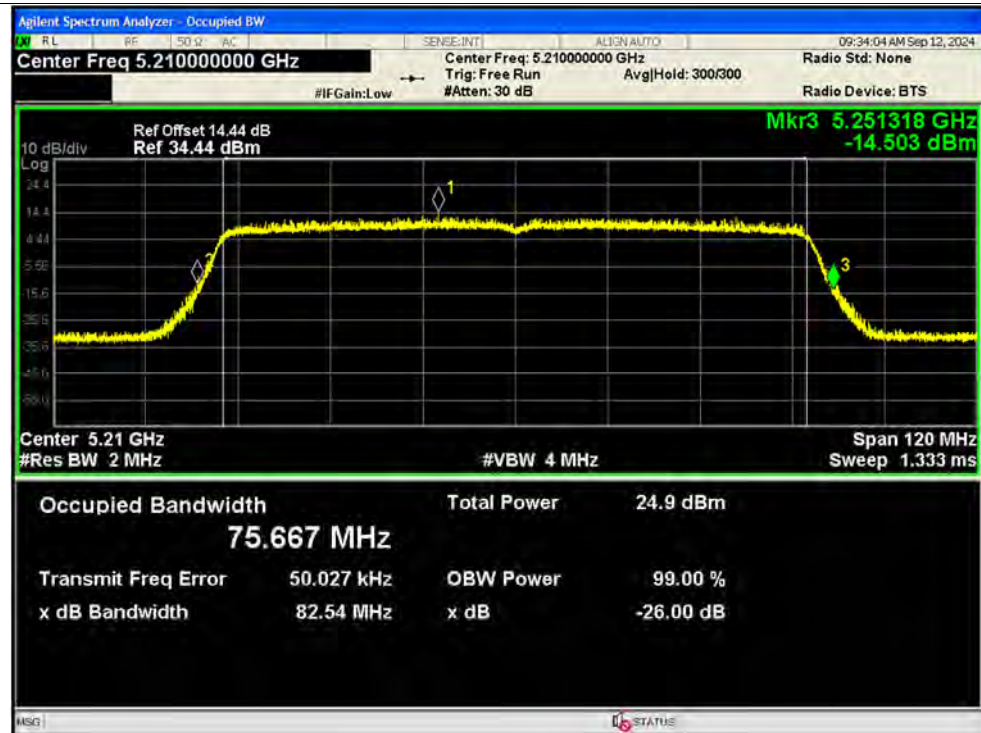
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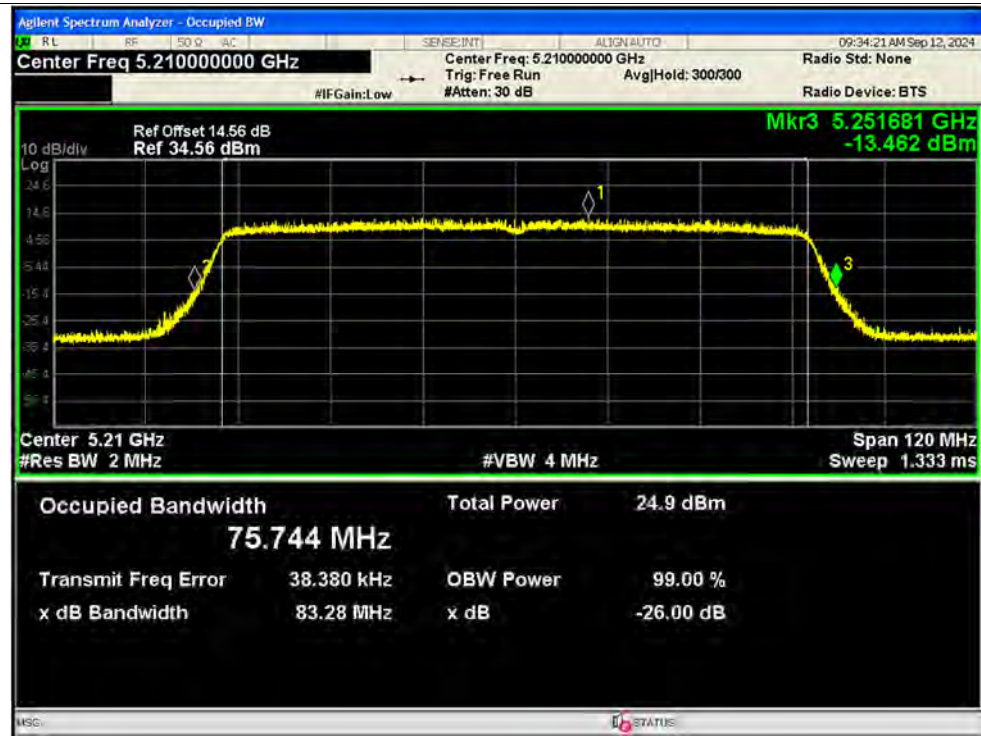
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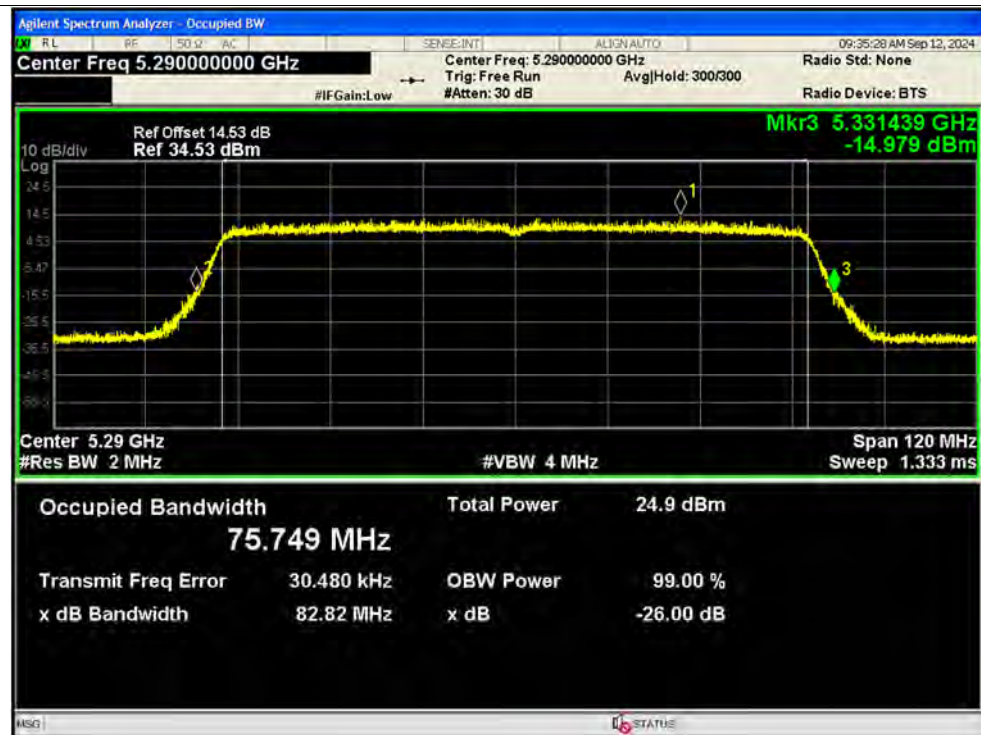
-26dB Bandwidth NVNT ac80 5210MHz Ant3 MIMO



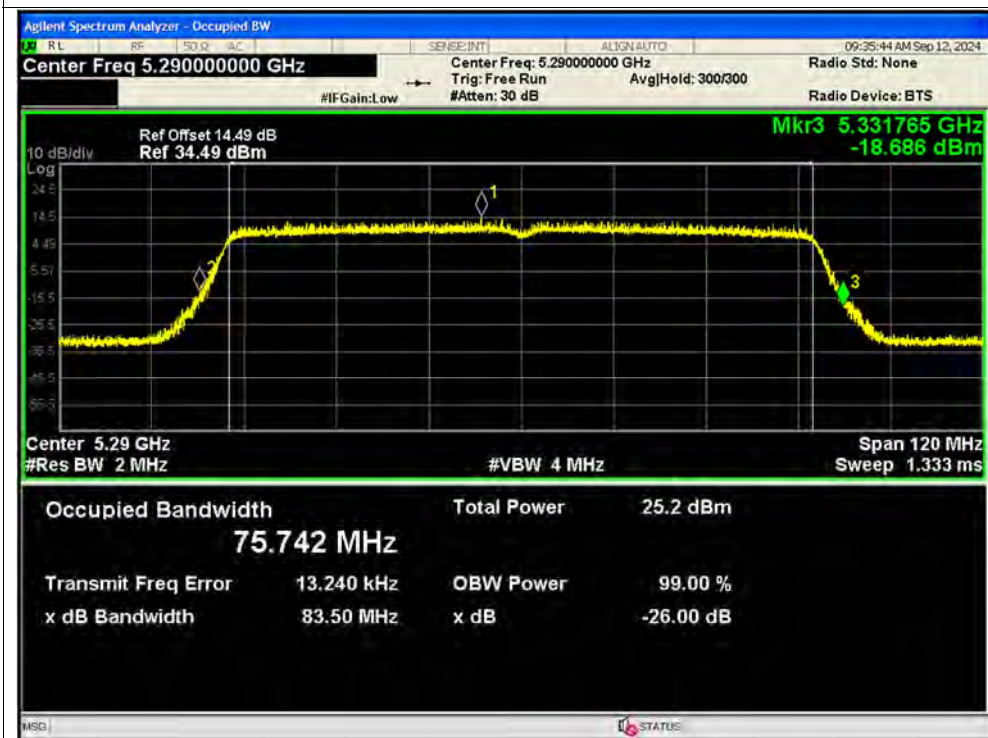
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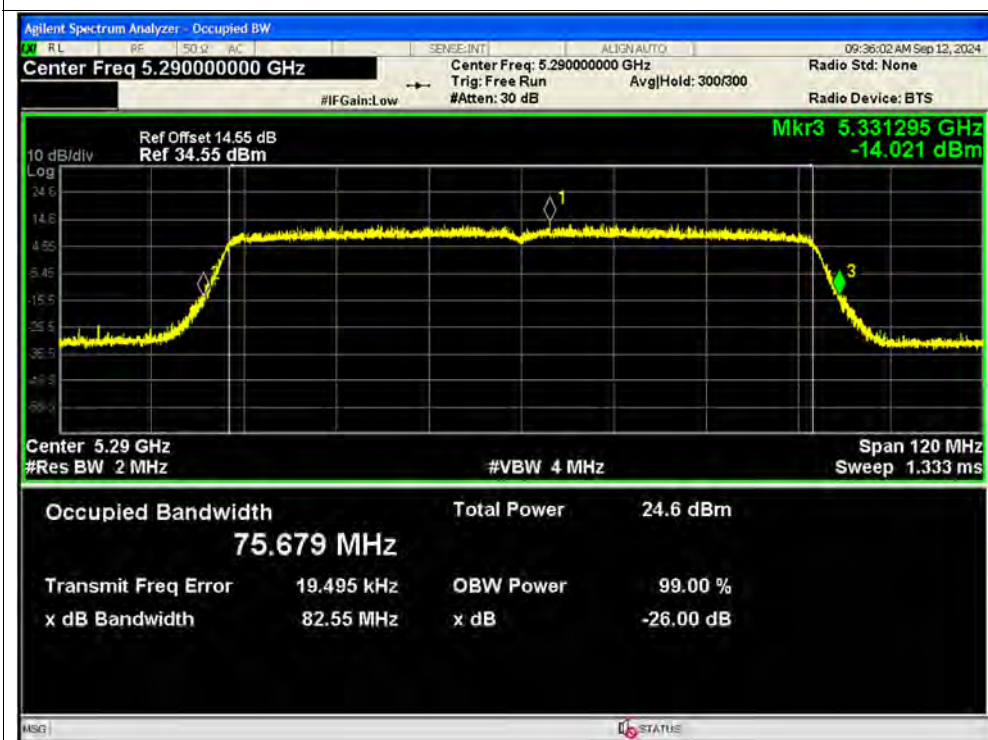
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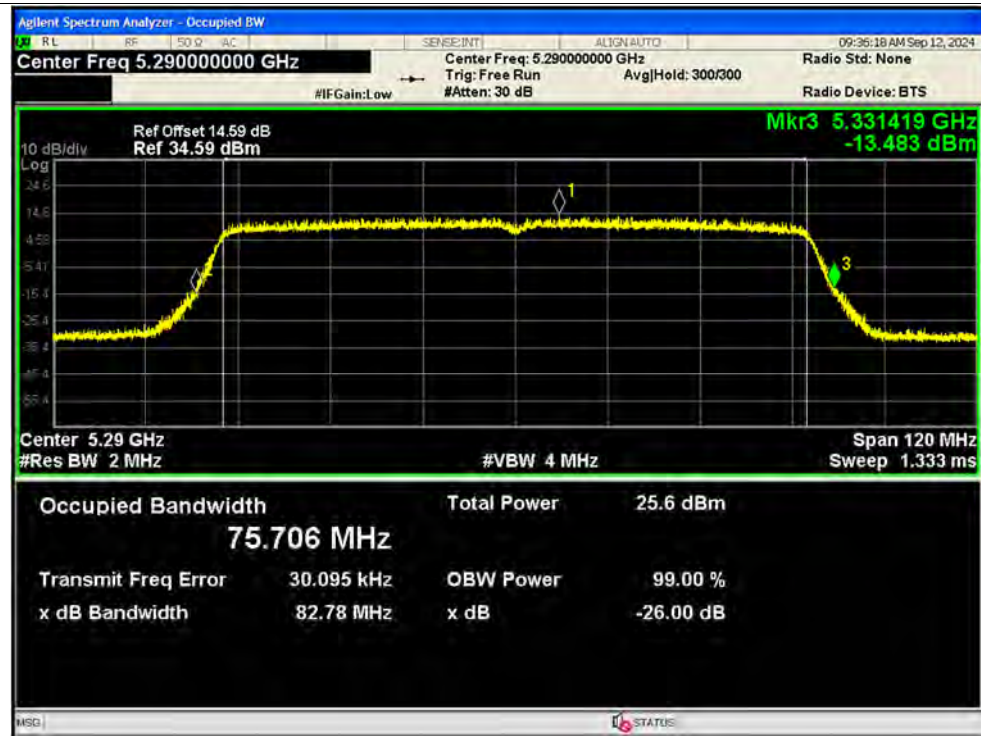
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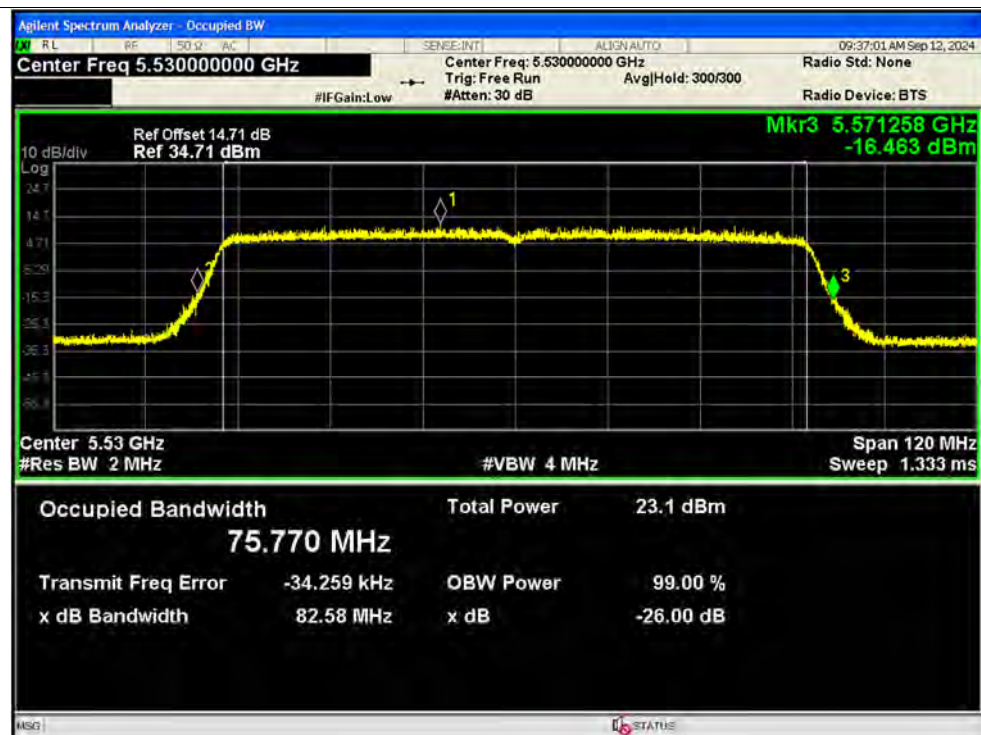
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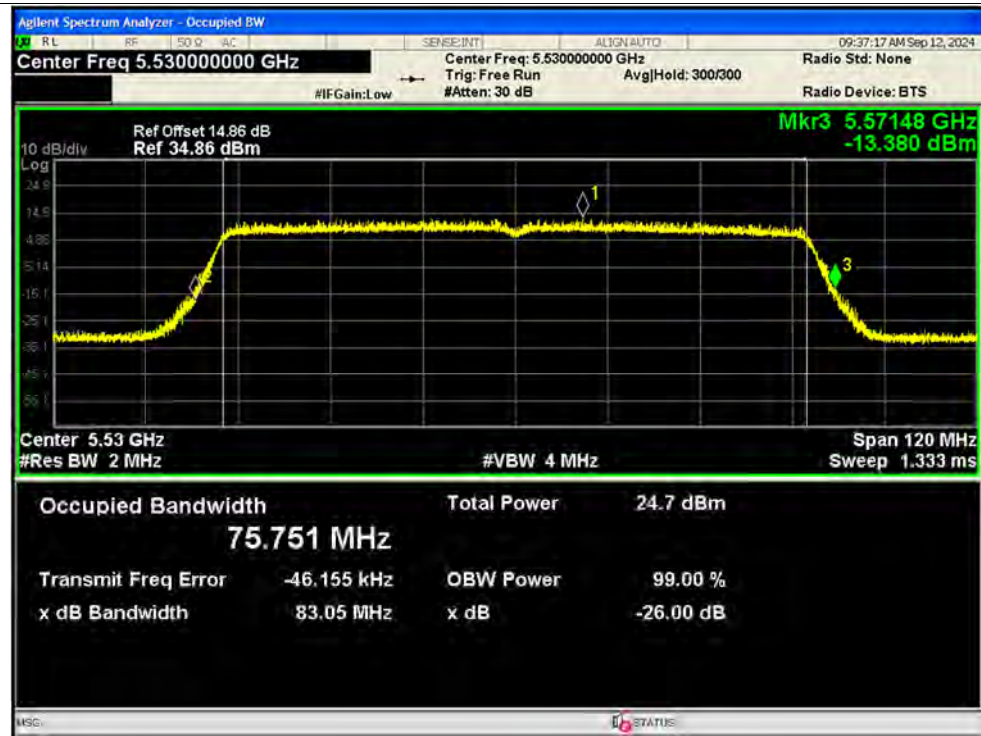
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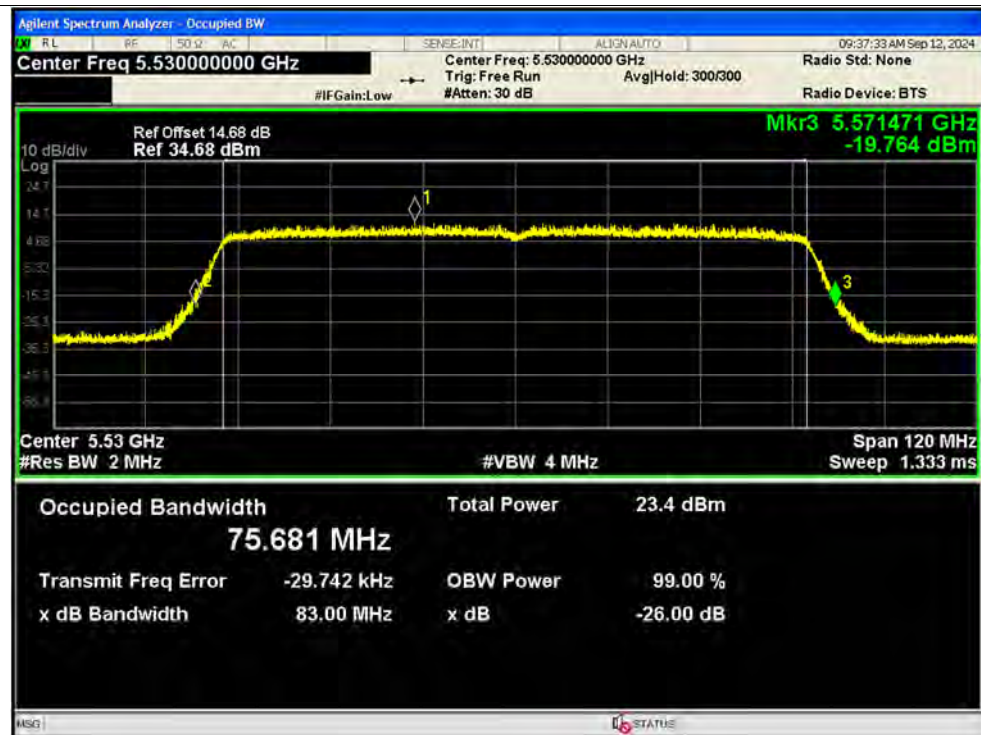
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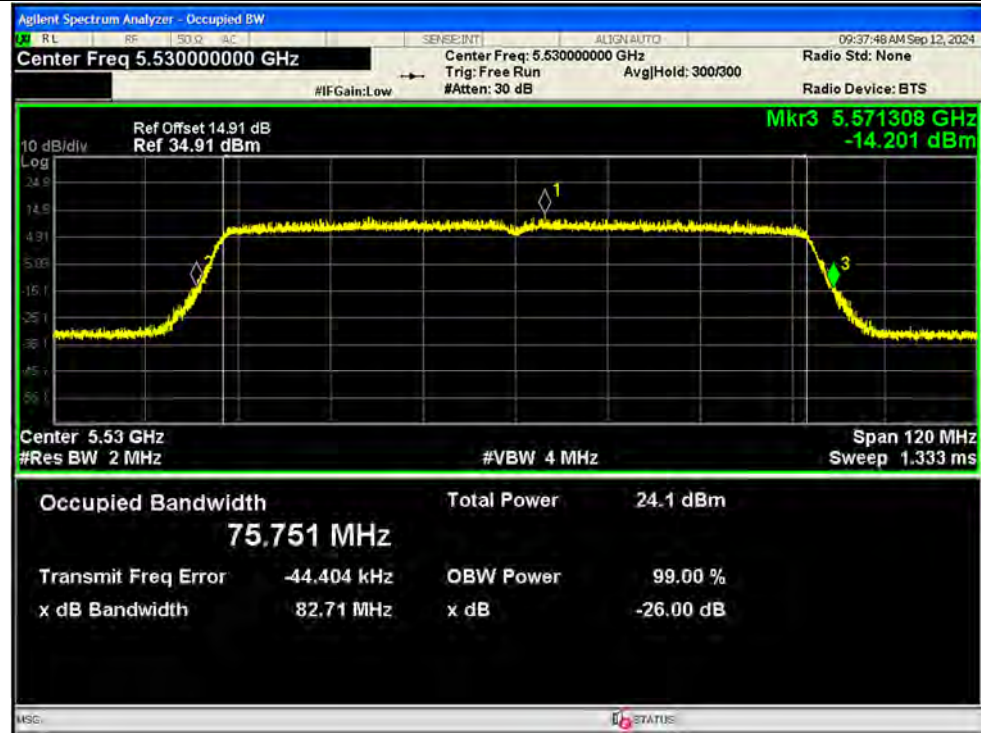
-26dB Bandwidth NVNT ac80 5530MHz Ant2 MIMO



-26dB Bandwidth NVNT ac80 5530MHz Ant3 MIMO



-26dB Bandwidth NVNT ac80 5530MHz Ant4 MIMO



-26dB Bandwidth NVNT ac80 5610MHz Ant1 MIMO

