



REPORT No.: SZ25090018W04

TEST REPORT

APPLICANT : Anker Innovations Limited

PRODUCT NAME : Nebula P1i

MODEL NAME : D2200

BRAND NAME : soundcore

FCC ID : 2AOKB-D2200

STANDARD(S) : 47 CFR Part 15 Subpart E

RECEIPT DATE : 2025-09-02

TEST DATE : 2025-09-05 to 2025-09-23

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Change History		
Version	Date	Reason for change
1.0	2025-10-13	First edition



1. Summary of Test Result

No.	Section	Description	Test Date	Test Engineer	Result	Remark
1	15.203	Antenna Requirement	N/A	N/A	PASS	/
2	ANSI C63.10	Duty Cycle of the Test Signal	Sep. 09&12, 2025	Zhu Peihong	PASS	/
3	15.407(a)	Maximum Conducted Output Power	Sep. 09&12, 2025	Zhu Peihong	PASS	/
4	15.407(a) (e)	Emission Bandwidth	Sep. 09&12, 2025	Zhu Peihong	PASS	/
5	15.407(a)	Peak Power Spectral Density	Sep. 09&12, 2025	Zhu Peihong	PASS	/
6	15.407(g)	Frequency Stability	Sep. 23, 2025	Zhu Peihong	PASS	/
7	15.407(h)	DFS	Sep. 20, 2025	Zhu Peihong	PASS	/
8	15.207	Conducted Emission	Sep. 22, 2025	Wang Yapeng	PASS	/
9	15.407(b)	Restricted Frequency Bands	Sep. 11, 2025	Tian Xin	PASS	/
10	15.407(b)	Radiated Emission	Sep. 10&16, 2025	Tian Xin	PASS	/

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

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

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

Note 4: Any additions, deviation, or exclusions from the method shall be noted in the "Remark".



1.1. Testing Applied Standards

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

- 47 CFR Part 15 Subpart E Radio Frequency Devices



1.2. Test Equipment List

1.2.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY53470836	N9010A	Agilent	2025.01.15	2026.01.14
USB Wideband Power Sensor	MY54180008	U2021XA	Agilent	2025.09.03	2026.09.02
Temperature Chamber	12108015	DTL-003S101	YOMA	2025.09.03	2026.09.02
RF Cable (30MHz-26GHz)	CB01	RF01	Morlab	N/A	N/A
SMA Connector	CN01	RF03	HUBER-SUHNER	N/A	N/A
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	101052	ESPI	R&S	2025.05.15	2026.05.14
LISN	103131	ENV 216	R&S	2025.03.20	2026.03.19
RF Coaxial Cable (DC-100MHz)	EMC-CE-00514	N/A	N/A	2025.05.06	2026.05.05

1.2.3 List of Software Used

Description	Manufacturer	Software Version
Test System	MaiWei	2.0.0.0
JS32-RE	Tonscend	5.0.0
TS+ -[JS32-CE]	Tonscend	2.5.0.0

**1.2.4 Radiated Test Equipment**

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
Signal Analyzer	MY56060145	N9020A	Agilent	2025.05.13	2026.05.12
Test Antenna - Bi-Log	9163-274	VULB 9163	Schwarzbeck	2025.06.28	2026.06.27
Test Antenna - Loop	1519-022	FMZB1519	Schwarzbeck	2025.05.16	2026.05.15
Test Antenna – Horn	9120D-963	BBHA 9120D	Schwarzbeck	2025.05.16	2026.05.15
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2025.06.20	2026.06.19
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-KK-0.5	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-KKF-2	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-NN-5	Qualwave	2025.09.03	2026.09.02
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.06.21	2028.06.20
Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.11.30	2025.11.29



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
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FCC Designation Number:	CN1192
FCC Test Firm Registration Number:	226174

2. General Description

2.1. Information of Applicant and Manufacturer

Applicant:	Anker Innovations Limited
Applicant Address:	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong
Manufacturer:	Anker Innovations Limited
Manufacturer Address:	Unit 56, 8th Floor, Tower 2, Admiralty Centre, 18 Harcourt Road, Hong Kong

2.2. Information of EUT

Product Name:	Nebula P1i		
Sample No.:	1#, 3#, 4#		
Hardware Version:	V4		
Software Version:	V11.0.71		
Modulation Technology:	OFDM		
Modulation Mode:	802.11a, 802.11n (HT20), 802.11n (HT40) 802.11ac (VHT20), 802.11ac (VHT40), 802.11ac (VHT80)		
Operating Frequency Range:	5180MHz-5240MHz; 5260MHz-5320MHz; 5500MHz-5720MHz; 5745MHz-5825MHz		
DFS Function:	☒ Slave without radar detection ☐ Slave with radar detection ☐ Master		
TPC Function:	☐ With TPC ☒ Without TPC		
Antenna Type:	PIFA Antenna		
Antenna Gain (dBi):	ANT 1	ANT 2	Directional Gain Note 2
	5.61	6.11	8.87
Accessory Information:	AC Adapter		
	Brand Name:	N/A	
	Model No.:	CW218	
	Serial No.:	N/A	
	Rated Output:	21V $\overline{\sim}$ 6.67A	
	Rated Input:	100-240V $\sim$ 50/60Hz, 2.5A	
	Manufacturer:	Anker Innovations Limited	



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

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

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

KDB 662911 D01 Directional Gain Calculation			
Clause	Type	Correlation	Calculation formula
F.2.a	Equal G_{ANT} & Power	☐ (i). Correlated	$G_{ANT} + 10\log(N_{ANT})$
		☐ (ii). Uncorrelated	G_{ANT}
F.2.d	Unequal G_{ANT} & Equal Power	☒ (i). Correlated	$10\log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2/N_{ANT}]$
		☐ (ii). Uncorrelated	$10\log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$

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

Note 3: All radiation test items for 802.11n and 802.11ac modulation mode operate at MIMO mode during the test. Other modulation modes operate at SISO mode, both of the two antennas were tested separately, we only recorded the worst test result(ANT1) in this report.

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

2.3.Channel List of EUT

(U-NII-1) 5180MHz-5240MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	36	5180	40	5200
	44	5220	48	5240
40MHz	38	5190	46	5230
80MHz	42	5210		
(U-NII-2A) 5260MHz-5320MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	52	5260	56	5280
	60	5300	64	5320
40MHz	54	5270	62	5310
80MHz	58	5290		
(U-NII-2C) 5500MHz-5720MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	100	5500	105	5520
	108	5540	112	5560
	116	5580	120	5600
	124	5620	128	5640
	132	5660	136	5680
	140	5700	144	5720
40MHz	102	5510	110	5550
	118	5590	126	5630
	134	5670	142	5710
80MHz	106	5530	122	5610
	138	5690		
(U-NII-3) 5745MHz-5825MHz				
Bandwidth	Channel	Frequency (MHz)	Channel	Frequency (MHz)
20MHz	149	5745	153	5765
	157	5785	161	5805
	165	5825		
40MHz	151	5775	159	5795
80MHz	155	5775		

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

2.4. Test Configuration of EUT

2.4.1. Modulation Type and Data Rate of EUT

Mode	Bandwidth (MHz)	Modulation Technology	Modulation Type	Data Rate
802.11a	20	OFDM	BPSK	6/9/12/18/24/36/48/54 Mbps
			QPSK	
			16QAM	
			64QAM	
802.11n	20/40 (HT20/40)	OFDM	BPSK	MCS0~MCS7
			QPSK	
			16QAM	
			64QAM	
802.11ac	20/40/80 (VHT20/40/80)	OFDM	BPSK	MCS0~MCS9
			QPSK	
			16QAM	
			64QAM	
			256QAM	

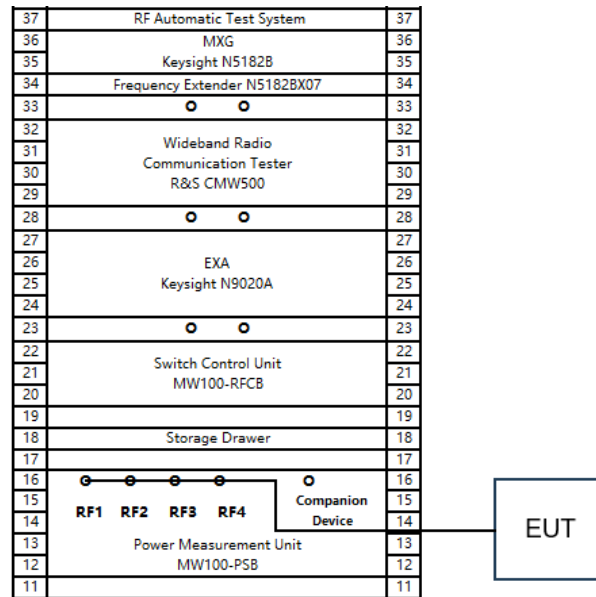
Note1: The worst-case mode (bold face) in all data rates has been determined during the pre-scan, only the test data of the worst-case were recorded in this report.

2.5. Test Conditions

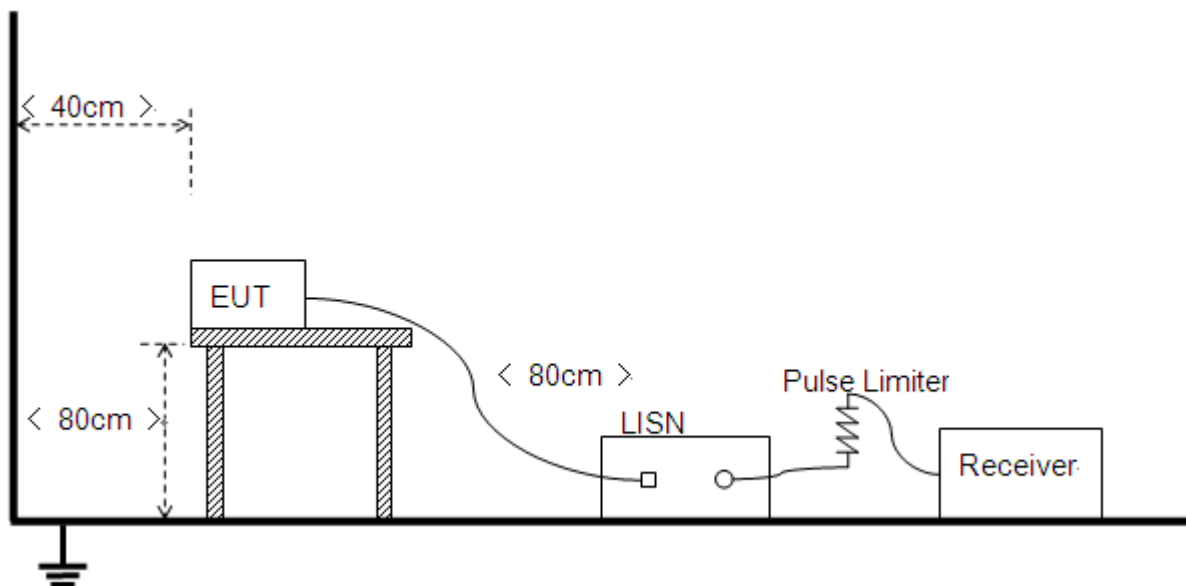
Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106

2.6. Test Setup Layout Diagram

2.6.1. Conducted Measurement

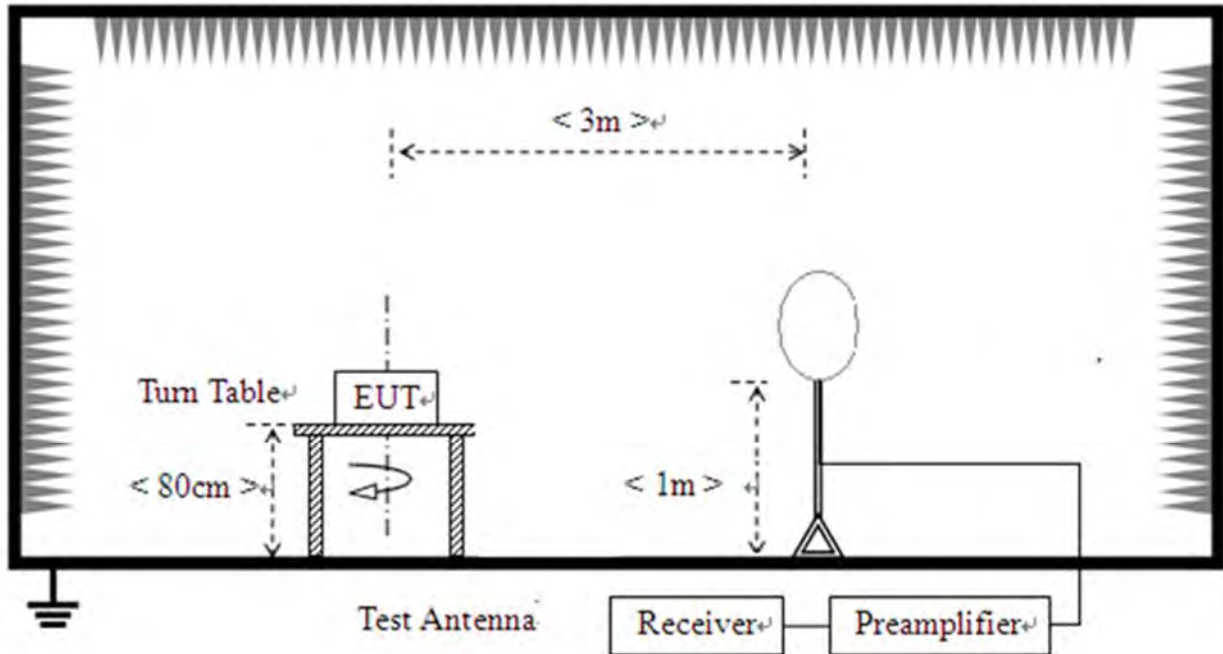


2.6.2. Conducted Emission Measurement

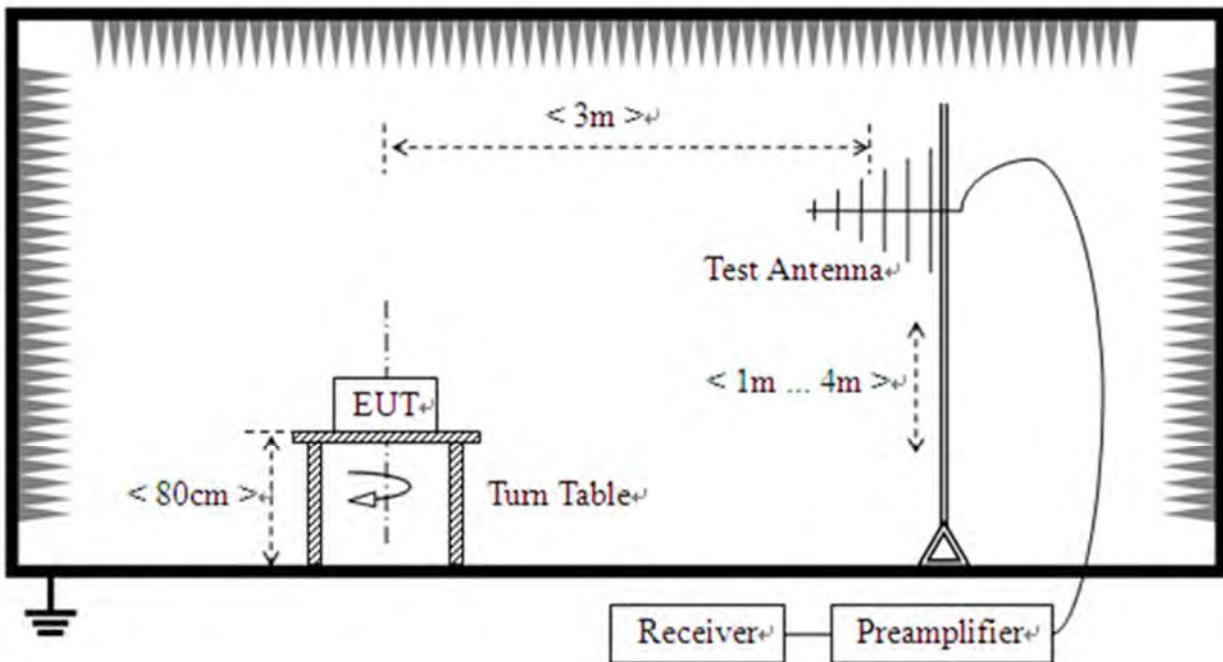


2.6.3.Radiation Measurement

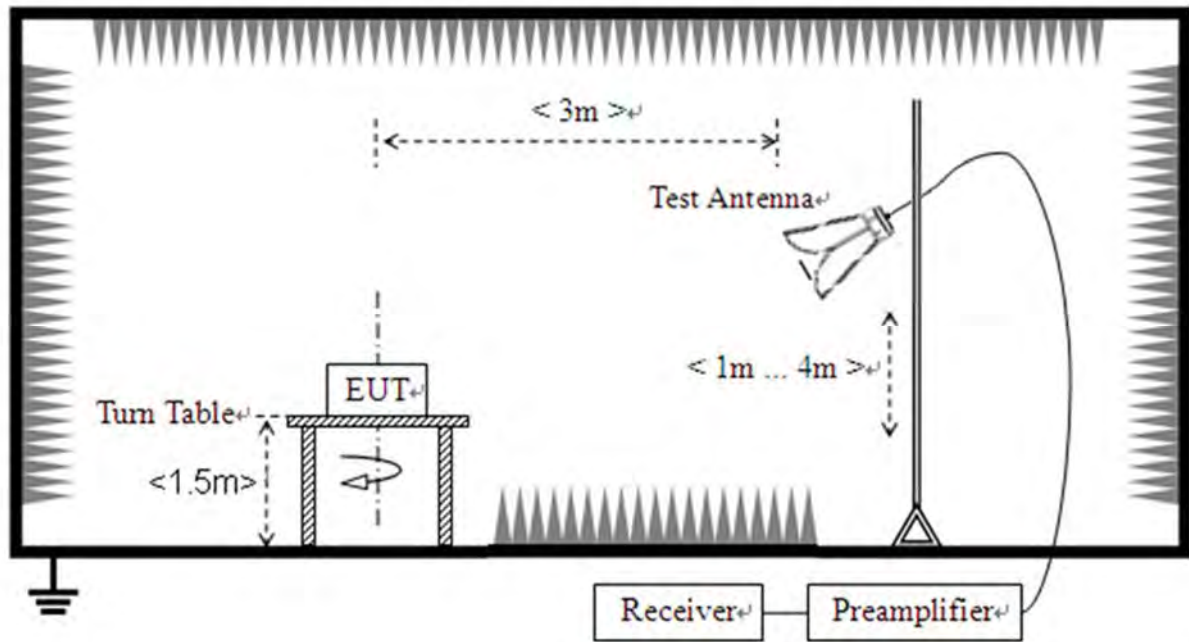
1) For radiated emissions from 9kHz to 30MHz



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 ☐ PIFA Antenna ☐ On-board antenna	☒ I-PEX Connector ☐ SMA Connector ☐ RP-SMA Connector ☐ Metal Shrapnel ☐ Layout



3.2. Duty Cycle of Test Signal

3.2.1. Requirement

Preferably, all measurements of maximum conducted (average) output power will be performed with the EUT transmitting continuously (i.e., with a duty cycle of greater than or equal to 98%). When continuous operation cannot be realized, then the use of sweep triggering/signal gating techniques can be used to ensure that measurements are made only during transmissions at the maximum power control level. Such sweep triggering/signal gating techniques will require knowledge of the minimum transmission duration (T) over which the transmitter is on and is transmitting at its maximum power control level for the tested mode of operation. Sweep triggering/signal gating techniques can then be used if the measurement/sweep time of the analyzer can be set such that it does not exceed T at any time that data are being acquired (i.e., no transmitter OFF-time is to be considered).

When continuous transmission cannot be achieved and sweep triggering/signal gating cannot be implemented, alternative procedures are provided that can be used to measure the average power; however, they will require an additional measurement of the transmitter duty cycle (D). Within this sub clause, the duty cycle refers to the fraction of time over which the transmitter is ON and is transmitting at its maximum power control level. The duty cycle is considered to be constant if variations are less than $\pm 2\%$; 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.

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.

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

- a) The Master Device will use DFS in order to detect Radar Waveforms with received signal strength above the DFS Detection Threshold in the 5250 – 5350 MHz and 5470 – 5725 MHz bands. DFS is not required in the 5150 – 5250 MHz or 5725 – 5825 MHz bands.
- b) Before initiating a network on a Channel, the Master Device will perform a Channel Availability Check for specified time duration (Channel Availability Check Time) to ensure that there is no radar system operating on the Channel, using DFS described under subsection a) above.
- c) The Master Device initiates a U-NII network by transmitting control signals that will enable other U-NII devices to Associate with the Master Device.
- d) During normal operation, the Master Device will monitor the Channel (In-Service Monitoring) to ensure that there is no radar system operating on the Channel, using DFS described under a).
- e) If the Master Device has detected a Radar Waveform during In-Service Monitoring as described under d), the Operating Channel of the U-NII network is no longer an Available Channel. The Master Device will instruct all associated Client Device(s) to stop transmitting on this Channel within the Channel Move Time. The transmissions during the Channel Move Time will be limited to the Channel Closing Transmission Time.
- f) Once the Master Device has detected a Radar Waveform it will not utilize the Channel for the duration of the Non-Occupancy Period. 3.



g) If the Master Device delegates the In-Service Monitoring to a Client Device, then the combination will be tested to the requirements described under d) through f) above.

Client Devices

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

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

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

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

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

DFS Detection Thresholds

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

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

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 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.

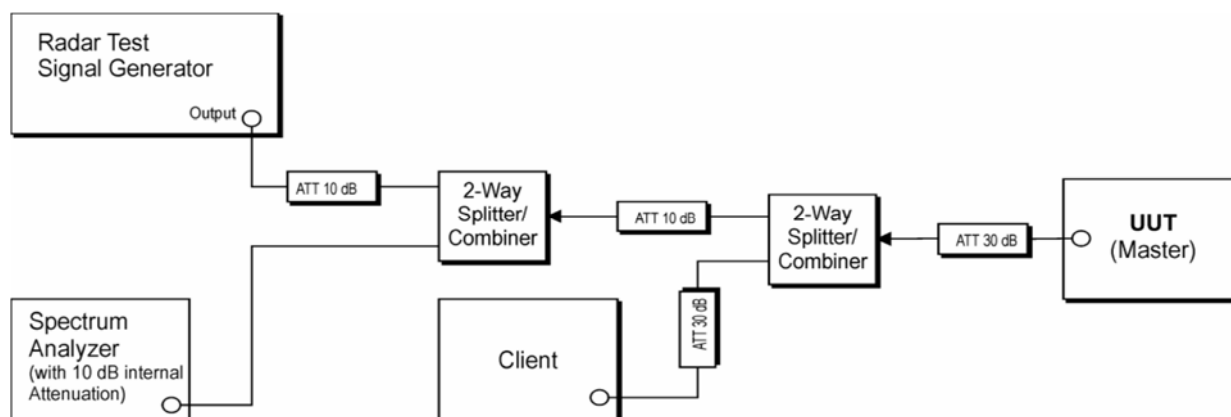
Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The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

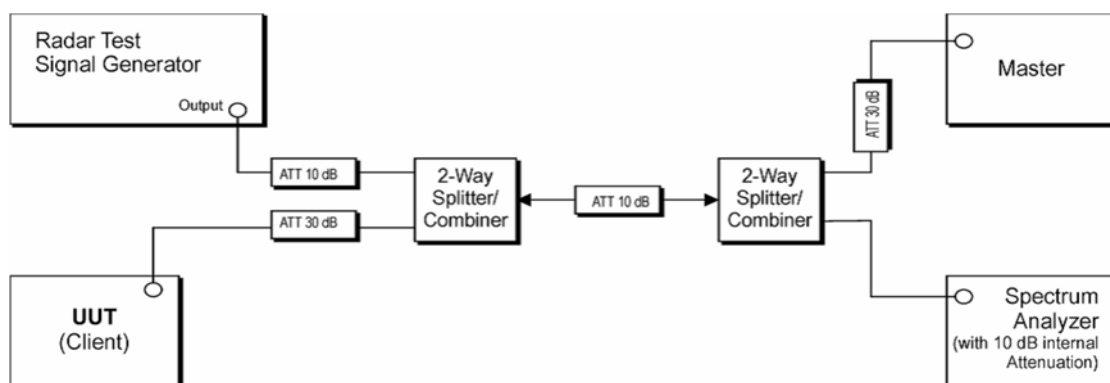
According to Section 7.2 of KDB 905462 D02 V01R01

1. Setup for Master with injection at the Master



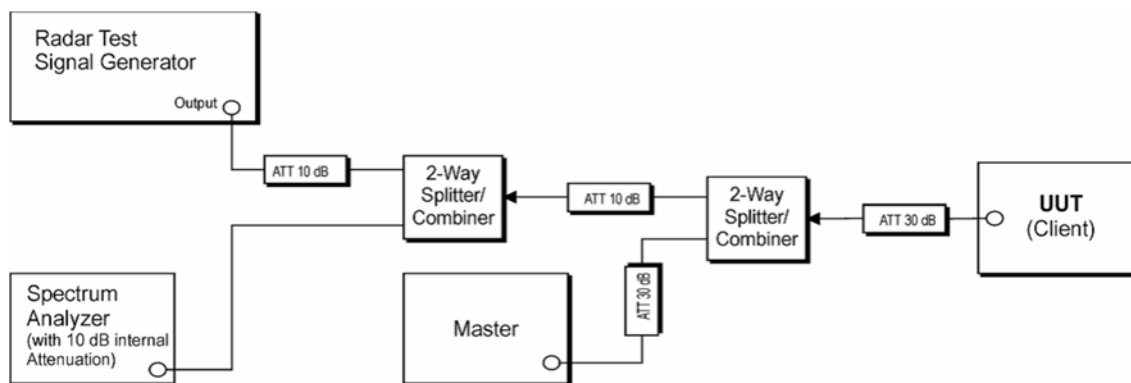
(Example Conducted Setup where UUT is a Master and Radar Test Waveforms are injected into the Master)

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

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

3.7.4.Test Result

Refer to Annex A.6 in this report.

3.8. Conducted Emission

3.8.1. Requirement

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

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	95.89	0.18	0.71
NVNT	a SISO	5220	Ant1	95.83	0.18	0.72
NVNT	a SISO	5240	Ant1	97.22	0.12	0.71
NVNT	a SISO	5260	Ant1	95.83	0.18	0.72
NVNT	a SISO	5300	Ant1	95.89	0.18	0.71
NVNT	a SISO	5320	Ant1	95.83	0.18	0.72
NVNT	a SISO	5500	Ant1	95.83	0.18	0.72
NVNT	a SISO	5580	Ant1	97.22	0.12	0.71
NVNT	a SISO	5720	Ant1	97.22	0.12	0.71
NVNT	a SISO	5745	Ant1	95.83	0.18	0.72
NVNT	a SISO	5785	Ant1	95.89	0.18	0.71
NVNT	a SISO	5825	Ant1	95.83	0.18	0.72
NVNT	a SISO	5180	Ant2	97.22	0.12	0.71
NVNT	a SISO	5220	Ant2	97.22	0.12	0.71
NVNT	a SISO	5240	Ant2	97.22	0.12	0.71
NVNT	a SISO	5260	Ant2	95.89	0.18	0.71
NVNT	a SISO	5300	Ant2	95.89	0.18	0.71
NVNT	a SISO	5320	Ant2	97.22	0.12	0.71
NVNT	a SISO	5500	Ant2	97.22	0.12	0.71
NVNT	a SISO	5580	Ant2	95.83	0.18	0.72
NVNT	a SISO	5720	Ant2	97.22	0.12	0.71
NVNT	a SISO	5745	Ant2	97.22	0.12	0.71
NVNT	a SISO	5785	Ant2	97.22	0.12	0.71
NVNT	a SISO	5825	Ant2	95.89	0.18	0.71
NVNT	n20 SISO	5180	Ant1	97.01	0.13	0.77
NVNT	n20 SISO	5220	Ant1	95.59	0.2	0.77
NVNT	n20 SISO	5240	Ant1	95.59	0.2	0.77
NVNT	n20 SISO	5260	Ant1	95.59	0.2	0.77
NVNT	n20 SISO	5300	Ant1	95.59	0.2	0.77
NVNT	n20 SISO	5320	Ant1	95.59	0.2	0.77
NVNT	n20 SISO	5500	Ant1	95.59	0.2	0.77
NVNT	n20 SISO	5580	Ant1	95.59	0.2	0.77



NVNT	n20 SISO	5720	Ant1	95.59	0.2	0.77
NVNT	n20 SISO	5745	Ant1	95.59	0.2	0.77
NVNT	n20 SISO	5785	Ant1	95.59	0.2	0.77
NVNT	n20 SISO	5825	Ant1	97.01	0.13	0.77
NVNT	n20 SISO	5180	Ant2	95.59	0.2	0.77
NVNT	n20 SISO	5220	Ant2	95.59	0.2	0.77
NVNT	n20 SISO	5240	Ant2	95.59	0.2	0.77
NVNT	n20 SISO	5260	Ant2	95.59	0.2	0.77
NVNT	n20 SISO	5300	Ant2	95.59	0.2	0.77
NVNT	n20 SISO	5320	Ant2	95.59	0.2	0.77
NVNT	n20 SISO	5500	Ant2	97.01	0.13	0.77
NVNT	n20 SISO	5580	Ant2	95.59	0.2	0.77
NVNT	n20 SISO	5720	Ant2	95.59	0.2	0.77
NVNT	n20 SISO	5745	Ant2	95.59	0.2	0.77
NVNT	n20 SISO	5785	Ant2	95.59	0.2	0.77
NVNT	n20 SISO	5825	Ant2	97.01	0.13	0.77
NVNT	n20 MIMO	5180	Sum	97.01	0.13	0.77
NVNT	n20 MIMO	5220	Sum	97.01	0.13	0.77
NVNT	n20 MIMO	5240	Sum	95.59	0.2	0.77
NVNT	n20 MIMO	5260	Sum	95.59	0.2	0.77
NVNT	n20 MIMO	5300	Sum	97.01	0.13	0.77
NVNT	n20 MIMO	5320	Sum	97.01	0.13	0.77
NVNT	n20 MIMO	5500	Sum	95.59	0.2	0.77
NVNT	n20 MIMO	5580	Sum	95.59	0.2	0.77
NVNT	n20 MIMO	5720	Sum	95.59	0.2	0.77
NVNT	n20 MIMO	5745	Sum	97.01	0.13	0.77
NVNT	n20 MIMO	5785	Sum	95.59	0.2	0.77
NVNT	n20 MIMO	5825	Sum	97.01	0.13	0.77
NVNT	n40 SISO	5190	Ant1	91.43	0.39	1.56
NVNT	n40 SISO	5230	Ant1	94.29	0.26	1.52
NVNT	n40 SISO	5270	Ant1	91.43	0.39	1.56
NVNT	n40 SISO	5310	Ant1	91.43	0.39	1.56
NVNT	n40 SISO	5510	Ant1	91.43	0.39	1.56
NVNT	n40 SISO	5550	Ant1	91.43	0.39	1.56
NVNT	n40 SISO	5670	Ant1	91.43	0.39	1.56
NVNT	n40 SISO	5755	Ant1	91.43	0.39	1.56
NVNT	n40 SISO	5795	Ant1	94.29	0.26	1.52
NVNT	n40 SISO	5190	Ant2	94.29	0.26	1.52



NVNT	n40 SISO	5230	Ant2	94.29	0.26	1.52
NVNT	n40 SISO	5270	Ant2	91.43	0.39	1.56
NVNT	n40 SISO	5310	Ant2	94.29	0.26	1.52
NVNT	n40 SISO	5510	Ant2	91.43	0.39	1.56
NVNT	n40 SISO	5550	Ant2	91.43	0.39	1.56
NVNT	n40 SISO	5670	Ant2	94.29	0.26	1.52
NVNT	n40 SISO	5755	Ant2	91.43	0.39	1.56
NVNT	n40 SISO	5795	Ant2	94.29	0.26	1.52
NVNT	n40 MIMO	5190	Sum	91.43	0.39	1.56
NVNT	n40 MIMO	5230	Sum	91.43	0.39	1.56
NVNT	n40 MIMO	5270	Sum	91.43	0.39	1.56
NVNT	n40 MIMO	5310	Sum	91.43	0.39	1.56
NVNT	n40 MIMO	5510	Sum	91.43	0.39	1.56
NVNT	n40 MIMO	5550	Sum	91.43	0.39	1.56
NVNT	n40 MIMO	5670	Sum	88.89	0.51	1.56
NVNT	n40 MIMO	5755	Sum	91.43	0.39	1.56
NVNT	n40 MIMO	5795	Sum	91.43	0.39	1.56
NVNT	ac20 SISO	5180	Ant1	97.06	0.13	0.76
NVNT	ac20 SISO	5220	Ant1	97.06	0.13	0.76
NVNT	ac20 SISO	5240	Ant1	97.06	0.13	0.76
NVNT	ac20 SISO	5260	Ant1	95.65	0.19	0.76
NVNT	ac20 SISO	5300	Ant1	95.59	0.2	0.77
NVNT	ac20 SISO	5320	Ant1	95.59	0.2	0.77
NVNT	ac20 SISO	5500	Ant1	95.59	0.2	0.77
NVNT	ac20 SISO	5580	Ant1	95.59	0.2	0.77
NVNT	ac20 SISO	5720	Ant1	95.65	0.19	0.76
NVNT	ac20 SISO	5745	Ant1	95.59	0.2	0.77
NVNT	ac20 SISO	5785	Ant1	95.59	0.2	0.77
NVNT	ac20 SISO	5825	Ant1	95.59	0.2	0.77
NVNT	ac20 SISO	5180	Ant2	97.06	0.13	0.76
NVNT	ac20 SISO	5220	Ant2	95.65	0.19	0.76
NVNT	ac20 SISO	5240	Ant2	97.06	0.13	0.76
NVNT	ac20 SISO	5260	Ant2	95.65	0.19	0.76
NVNT	ac20 SISO	5300	Ant2	95.59	0.2	0.77
NVNT	ac20 SISO	5320	Ant2	95.59	0.2	0.77
NVNT	ac20 SISO	5500	Ant2	95.59	0.2	0.77
NVNT	ac20 SISO	5580	Ant2	95.59	0.2	0.77
NVNT	ac20 SISO	5720	Ant2	95.65	0.19	0.76



NVNT	ac20 SISO	5745	Ant2	97.06	0.13	0.76
NVNT	ac20 SISO	5785	Ant2	97.06	0.13	0.76
NVNT	ac20 SISO	5825	Ant2	95.59	0.2	0.77
NVNT	ac20 MIMO	5180	Sum	95.65	0.19	0.76
NVNT	ac20 MIMO	5220	Sum	95.65	0.19	0.76
NVNT	ac20 MIMO	5240	Sum	97.06	0.13	0.76
NVNT	ac20 MIMO	5260	Sum	97.06	0.13	0.76
NVNT	ac20 MIMO	5300	Sum	95.59	0.2	0.77
NVNT	ac20 MIMO	5320	Sum	95.59	0.2	0.77
NVNT	ac20 MIMO	5500	Sum	95.65	0.19	0.76
NVNT	ac20 MIMO	5580	Sum	95.59	0.2	0.77
NVNT	ac20 MIMO	5720	Sum	95.65	0.19	0.76
NVNT	ac20 MIMO	5745	Sum	97.06	0.13	0.76
NVNT	ac20 MIMO	5785	Sum	95.59	0.2	0.77
NVNT	ac20 MIMO	5825	Sum	97.06	0.13	0.76
NVNT	ac40 SISO	5190	Ant1	91.43	0.39	1.56
NVNT	ac40 SISO	5230	Ant1	94.29	0.26	1.52
NVNT	ac40 SISO	5270	Ant1	91.67	0.38	1.52
NVNT	ac40 SISO	5310	Ant1	91.43	0.39	1.56
NVNT	ac40 SISO	5510	Ant1	91.67	0.38	1.52
NVNT	ac40 SISO	5550	Ant1	94.29	0.26	1.52
NVNT	ac40 SISO	5670	Ant1	91.67	0.38	1.52
NVNT	ac40 SISO	5755	Ant1	91.67	0.38	1.52
NVNT	ac40 SISO	5795	Ant1	94.29	0.26	1.52
NVNT	ac40 SISO	5190	Ant2	94.29	0.26	1.52
NVNT	ac40 SISO	5230	Ant2	91.43	0.39	1.56
NVNT	ac40 SISO	5270	Ant2	91.43	0.39	1.56
NVNT	ac40 SISO	5310	Ant2	91.43	0.39	1.56
NVNT	ac40 SISO	5510	Ant2	94.29	0.26	1.52
NVNT	ac40 SISO	5550	Ant2	91.67	0.38	1.52
NVNT	ac40 SISO	5670	Ant2	91.67	0.38	1.52
NVNT	ac40 SISO	5755	Ant2	94.29	0.26	1.52
NVNT	ac40 SISO	5795	Ant2	91.43	0.39	1.56
NVNT	ac40 MIMO	5190	Sum	94.29	0.26	1.52
NVNT	ac40 MIMO	5230	Sum	91.67	0.38	1.52
NVNT	ac40 MIMO	5270	Sum	91.43	0.39	1.56
NVNT	ac40 MIMO	5310	Sum	91.67	0.38	1.52
NVNT	ac40 MIMO	5510	Sum	91.43	0.39	1.56



NVNT	ac40 MIMO	5550	Sum	88.89	0.51	1.56
NVNT	ac40 MIMO	5670	Sum	91.43	0.39	1.56
NVNT	ac40 MIMO	5755	Sum	91.43	0.39	1.56
NVNT	ac40 MIMO	5795	Sum	94.29	0.26	1.52
NVNT	ac80 SISO	5210	Ant1	89.47	0.48	2.94
NVNT	ac80 SISO	5290	Ant1	84.21	0.75	3.13
NVNT	ac80 SISO	5530	Ant1	84.21	0.75	3.13
NVNT	ac80 SISO	5610	Ant1	88.89	0.51	3.13
NVNT	ac80 SISO	5775	Ant1	88.89	0.51	3.13
NVNT	ac80 SISO	5210	Ant2	84.21	0.75	3.13
NVNT	ac80 SISO	5290	Ant2	88.89	0.51	3.12
NVNT	ac80 SISO	5530	Ant2	84.21	0.75	3.13
NVNT	ac80 SISO	5610	Ant2	89.47	0.48	2.94
NVNT	ac80 SISO	5775	Ant2	89.47	0.48	2.94
NVNT	ac80 MIMO	5210	Sum	78.95	1.03	3.33
NVNT	ac80 MIMO	5290	Sum	78.95	1.03	3.33
NVNT	ac80 MIMO	5530	Sum	73.68	1.33	3.57
NVNT	ac80 MIMO	5610	Sum	73.68	1.33	3.57
NVNT	ac80 MIMO	5775	Sum	78.95	1.03	3.33

**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	13.23	0.02104	24	Pass
NVNT	a SISO	5220	Ant1	12.87	0.01936	24	Pass
NVNT	a SISO	5240	Ant1	12.64	0.01837	24	Pass
NVNT	a SISO	5260	Ant1	13.32	0.02148	24	Pass
NVNT	a SISO	5300	Ant1	13.24	0.02109	24	Pass
NVNT	a SISO	5320	Ant1	12.91	0.01954	24	Pass
NVNT	a SISO	5500	Ant1	12.94	0.01968	23.97	Pass
NVNT	a SISO	5580	Ant1	13.03	0.02009	23.98	Pass
NVNT	a SISO	5720	Ant1	13.9	0.02455	24	Pass
NVNT	a SISO	5745	Ant1	13.57	0.02275	30	Pass
NVNT	a SISO	5785	Ant1	13	0.01995	30	Pass
NVNT	a SISO	5825	Ant1	13.23	0.02104	30	Pass
NVNT	a SISO	5180	Ant2	13.52	0.02249	23.89	Pass
NVNT	a SISO	5220	Ant2	13.36	0.02168	23.89	Pass
NVNT	a SISO	5240	Ant2	13.37	0.02173	23.89	Pass
NVNT	a SISO	5260	Ant2	13.39	0.02183	23.89	Pass
NVNT	a SISO	5300	Ant2	13.04	0.02014	23.89	Pass
NVNT	a SISO	5320	Ant2	13.13	0.02056	23.89	Pass
NVNT	a SISO	5500	Ant2	12.29	0.01694	23.84	Pass
NVNT	a SISO	5580	Ant2	12.42	0.01746	23.89	Pass
NVNT	a SISO	5720	Ant2	13.36	0.02168	23.89	Pass
NVNT	a SISO	5745	Ant2	13.32	0.02148	29.89	Pass
NVNT	a SISO	5785	Ant2	13.05	0.02018	29.89	Pass
NVNT	a SISO	5825	Ant2	13.04	0.02014	29.89	Pass
NVNT	n20 SISO	5180	Ant1	11.36	0.01368	24	Pass
NVNT	n20 SISO	5220	Ant1	11.15	0.01303	24	Pass
NVNT	n20 SISO	5240	Ant1	11.24	0.0133	24	Pass
NVNT	n20 SISO	5260	Ant1	11.37	0.01371	24	Pass
NVNT	n20 SISO	5300	Ant1	11.42	0.01387	24	Pass
NVNT	n20 SISO	5320	Ant1	10.99	0.01256	24	Pass
NVNT	n20 SISO	5500	Ant1	11.04	0.01271	24	Pass
NVNT	n20 SISO	5580	Ant1	11.12	0.01294	24	Pass
NVNT	n20 SISO	5720	Ant1	11.08	0.01282	24	Pass



NVNT	n20 SISO	5745	Ant1	11.13	0.01297	30	Pass
NVNT	n20 SISO	5785	Ant1	10.76	0.01191	30	Pass
NVNT	n20 SISO	5825	Ant1	10.82	0.01208	30	Pass
NVNT	n20 SISO	5180	Ant2	10.87	0.01222	23.89	Pass
NVNT	n20 SISO	5220	Ant2	10.73	0.01183	23.89	Pass
NVNT	n20 SISO	5240	Ant2	10.63	0.01156	23.89	Pass
NVNT	n20 SISO	5260	Ant2	10.56	0.01138	23.89	Pass
NVNT	n20 SISO	5300	Ant2	10.2	0.01047	23.89	Pass
NVNT	n20 SISO	5320	Ant2	10.35	0.01084	23.89	Pass
NVNT	n20 SISO	5500	Ant2	10.38	0.01091	23.89	Pass
NVNT	n20 SISO	5580	Ant2	10.57	0.0114	23.89	Pass
NVNT	n20 SISO	5720	Ant2	10.58	0.01143	23.89	Pass
NVNT	n20 SISO	5745	Ant2	11.35	0.01365	29.89	Pass
NVNT	n20 SISO	5785	Ant2	11.14	0.013	29.89	Pass
NVNT	n20 SISO	5825	Ant2	10.97	0.0125	29.89	Pass
NVNT	n20 MIMO	5180	Ant1	7.41	0.00551	24	Pass
NVNT	n20 MIMO	5180	Ant2	7.72	0.00592	23.89	Pass
NVNT	n20 MIMO	5180	Sum	10.58	0.01142	21.13	Pass
NVNT	n20 MIMO	5220	Ant1	6.89	0.00489	24	Pass
NVNT	n20 MIMO	5220	Ant2	7.79	0.00601	23.89	Pass
NVNT	n20 MIMO	5220	Sum	10.37	0.0109	21.13	Pass
NVNT	n20 MIMO	5240	Ant1	6.81	0.0048	24	Pass
NVNT	n20 MIMO	5240	Ant2	7.67	0.00585	23.89	Pass
NVNT	n20 MIMO	5240	Sum	10.27	0.01065	21.13	Pass
NVNT	n20 MIMO	5260	Ant1	7.92	0.00619	24	Pass
NVNT	n20 MIMO	5260	Ant2	8.52	0.00711	23.89	Pass
NVNT	n20 MIMO	5260	Sum	11.24	0.01331	21.13	Pass
NVNT	n20 MIMO	5300	Ant1	7.58	0.00573	24	Pass
NVNT	n20 MIMO	5300	Ant2	8.08	0.00643	23.89	Pass
NVNT	n20 MIMO	5300	Sum	10.85	0.01215	21.13	Pass
NVNT	n20 MIMO	5320	Ant1	7.18	0.00522	24	Pass
NVNT	n20 MIMO	5320	Ant2	8.3	0.00676	23.89	Pass
NVNT	n20 MIMO	5320	Sum	10.78	0.01198	21.13	Pass
NVNT	n20 MIMO	5500	Ant1	7.04	0.00506	24	Pass
NVNT	n20 MIMO	5500	Ant2	7.39	0.00548	23.89	Pass
NVNT	n20 MIMO	5500	Sum	10.23	0.01054	21.13	Pass
NVNT	n20 MIMO	5580	Ant1	7.3	0.00537	24	Pass
NVNT	n20 MIMO	5580	Ant2	7.69	0.00587	23.89	Pass



NVNT	n20 MIMO	5580	Sum	10.51	0.01125	21.13	Pass
NVNT	n20 MIMO	5720	Ant1	8.06	0.0064	24	Pass
NVNT	n20 MIMO	5720	Ant2	8.19	0.00659	23.89	Pass
NVNT	n20 MIMO	5720	Sum	11.14	0.01299	21.13	Pass
NVNT	n20 MIMO	5745	Ant1	7.67	0.00585	30	Pass
NVNT	n20 MIMO	5745	Ant2	8.3	0.00676	29.89	Pass
NVNT	n20 MIMO	5745	Sum	11.01	0.01261	27.13	Pass
NVNT	n20 MIMO	5785	Ant1	7.12	0.00515	30	Pass
NVNT	n20 MIMO	5785	Ant2	8.18	0.00658	29.89	Pass
NVNT	n20 MIMO	5785	Sum	10.69	0.01173	27.13	Pass
NVNT	n20 MIMO	5825	Ant1	7.16	0.0052	30	Pass
NVNT	n20 MIMO	5825	Ant2	8.11	0.00647	29.89	Pass
NVNT	n20 MIMO	5825	Sum	10.67	0.01167	27.13	Pass
NVNT	n40 SISO	5190	Ant1	9.89	0.00975	24	Pass
NVNT	n40 SISO	5230	Ant1	9.49	0.00889	24	Pass
NVNT	n40 SISO	5270	Ant1	10.85	0.01216	24	Pass
NVNT	n40 SISO	5310	Ant1	10.11	0.01026	24	Pass
NVNT	n40 SISO	5510	Ant1	10.09	0.01021	24	Pass
NVNT	n40 SISO	5550	Ant1	10.14	0.01033	24	Pass
NVNT	n40 SISO	5670	Ant1	10.51	0.01125	24	Pass
NVNT	n40 SISO	5755	Ant1	10.82	0.01208	30	Pass
NVNT	n40 SISO	5795	Ant1	10.07	0.01016	30	Pass
NVNT	n40 SISO	5190	Ant2	10.05	0.01012	23.89	Pass
NVNT	n40 SISO	5230	Ant2	9.67	0.00927	23.89	Pass
NVNT	n40 SISO	5270	Ant2	10.41	0.01099	23.89	Pass
NVNT	n40 SISO	5310	Ant2	9.85	0.00966	23.89	Pass
NVNT	n40 SISO	5510	Ant2	9	0.00794	23.89	Pass
NVNT	n40 SISO	5550	Ant2	9	0.00794	23.89	Pass
NVNT	n40 SISO	5670	Ant2	10.01	0.01002	23.89	Pass
NVNT	n40 SISO	5755	Ant2	10.24	0.01057	29.89	Pass
NVNT	n40 SISO	5795	Ant2	9.89	0.00975	29.89	Pass
NVNT	n40 MIMO	5190	Ant1	6.33	0.0043	24	Pass
NVNT	n40 MIMO	5190	Ant2	6.81	0.0048	23.89	Pass
NVNT	n40 MIMO	5190	Sum	9.59	0.00909	21.13	Pass
NVNT	n40 MIMO	5230	Ant1	6.16	0.00413	24	Pass
NVNT	n40 MIMO	5230	Ant2	6.8	0.00479	23.89	Pass
NVNT	n40 MIMO	5230	Sum	9.5	0.00892	21.13	Pass
NVNT	n40 MIMO	5270	Ant1	5.91	0.0039	24	Pass



NVNT	n40 MIMO	5270	Ant2	6.8	0.00479	23.89	Pass
NVNT	n40 MIMO	5270	Sum	9.39	0.00869	21.13	Pass
NVNT	n40 MIMO	5310	Ant1	5.62	0.00365	24	Pass
NVNT	n40 MIMO	5310	Ant2	6.43	0.0044	23.89	Pass
NVNT	n40 MIMO	5310	Sum	9.05	0.00804	21.13	Pass
NVNT	n40 MIMO	5510	Ant1	6.5	0.00447	24	Pass
NVNT	n40 MIMO	5510	Ant2	6.39	0.00436	23.89	Pass
NVNT	n40 MIMO	5510	Sum	9.45	0.00882	21.13	Pass
NVNT	n40 MIMO	5550	Ant1	6.53	0.0045	24	Pass
NVNT	n40 MIMO	5550	Ant2	6.4	0.00437	23.89	Pass
NVNT	n40 MIMO	5550	Sum	9.47	0.00886	21.13	Pass
NVNT	n40 MIMO	5670	Ant1	7.26	0.00532	24	Pass
NVNT	n40 MIMO	5670	Ant2	7.37	0.00546	23.89	Pass
NVNT	n40 MIMO	5670	Sum	10.33	0.01078	21.13	Pass
NVNT	n40 MIMO	5755	Ant1	7.11	0.00514	30	Pass
NVNT	n40 MIMO	5755	Ant2	7.31	0.00538	29.89	Pass
NVNT	n40 MIMO	5755	Sum	10.22	0.01052	27.13	Pass
NVNT	n40 MIMO	5795	Ant1	6.46	0.00443	30	Pass
NVNT	n40 MIMO	5795	Ant2	7.16	0.0052	29.89	Pass
NVNT	n40 MIMO	5795	Sum	9.84	0.00963	27.13	Pass
NVNT	ac20 SISO	5180	Ant1	11.58	0.01439	24	Pass
NVNT	ac20 SISO	5220	Ant1	11.56	0.01432	24	Pass
NVNT	ac20 SISO	5240	Ant1	11.37	0.01371	24	Pass
NVNT	ac20 SISO	5260	Ant1	11.43	0.0139	24	Pass
NVNT	ac20 SISO	5300	Ant1	11.31	0.01352	24	Pass
NVNT	ac20 SISO	5320	Ant1	10.98	0.01253	24	Pass
NVNT	ac20 SISO	5500	Ant1	10.99	0.01256	24	Pass
NVNT	ac20 SISO	5580	Ant1	11.09	0.01285	24	Pass
NVNT	ac20 SISO	5720	Ant1	11.07	0.01279	24	Pass
NVNT	ac20 SISO	5745	Ant1	11.1	0.01288	30	Pass
NVNT	ac20 SISO	5785	Ant1	10.75	0.01189	30	Pass
NVNT	ac20 SISO	5825	Ant1	10.81	0.01205	30	Pass
NVNT	ac20 SISO	5180	Ant2	11.14	0.013	23.89	Pass
NVNT	ac20 SISO	5220	Ant2	11.1	0.01288	23.89	Pass
NVNT	ac20 SISO	5240	Ant2	11.06	0.01276	23.89	Pass
NVNT	ac20 SISO	5260	Ant2	10.9	0.0123	23.89	Pass
NVNT	ac20 SISO	5300	Ant2	10.66	0.01164	23.89	Pass
NVNT	ac20 SISO	5320	Ant2	10.79	0.01199	23.89	Pass



NVNT	ac20 SISO	5500	Ant2	9.95	0.00989	23.89	Pass
NVNT	ac20 SISO	5580	Ant2	10.23	0.01054	23.89	Pass
NVNT	ac20 SISO	5720	Ant2	10.66	0.01164	23.89	Pass
NVNT	ac20 SISO	5745	Ant2	11.08	0.01282	29.89	Pass
NVNT	ac20 SISO	5785	Ant2	10.66	0.01164	29.89	Pass
NVNT	ac20 SISO	5825	Ant2	10.74	0.01186	29.89	Pass
NVNT	ac20 MIMO	5180	Ant1	8.61	0.00726	24	Pass
NVNT	ac20 MIMO	5180	Ant2	8.45	0.007	23.89	Pass
NVNT	ac20 MIMO	5180	Sum	11.54	0.01426	21.13	Pass
NVNT	ac20 MIMO	5220	Ant1	8.08	0.00643	24	Pass
NVNT	ac20 MIMO	5220	Ant2	8.47	0.00703	23.89	Pass
NVNT	ac20 MIMO	5220	Sum	11.29	0.01346	21.13	Pass
NVNT	ac20 MIMO	5240	Ant1	7.86	0.00611	24	Pass
NVNT	ac20 MIMO	5240	Ant2	8.32	0.00679	23.89	Pass
NVNT	ac20 MIMO	5240	Sum	11.11	0.0129	21.13	Pass
NVNT	ac20 MIMO	5260	Ant1	8.11	0.00647	24	Pass
NVNT	ac20 MIMO	5260	Ant2	8.2	0.00661	23.89	Pass
NVNT	ac20 MIMO	5260	Sum	11.17	0.01308	21.13	Pass
NVNT	ac20 MIMO	5300	Ant1	7.69	0.00587	24	Pass
NVNT	ac20 MIMO	5300	Ant2	7.72	0.00592	23.89	Pass
NVNT	ac20 MIMO	5300	Sum	10.72	0.01179	21.13	Pass
NVNT	ac20 MIMO	5320	Ant1	7.42	0.00552	24	Pass
NVNT	ac20 MIMO	5320	Ant2	7.99	0.0063	23.89	Pass
NVNT	ac20 MIMO	5320	Sum	10.73	0.01182	21.13	Pass
NVNT	ac20 MIMO	5500	Ant1	8.1	0.00646	24	Pass
NVNT	ac20 MIMO	5500	Ant2	8.1	0.00646	23.89	Pass
NVNT	ac20 MIMO	5500	Sum	11.11	0.01291	21.13	Pass
NVNT	ac20 MIMO	5580	Ant1	8.09	0.00644	24	Pass
NVNT	ac20 MIMO	5580	Ant2	8.25	0.00668	23.89	Pass
NVNT	ac20 MIMO	5580	Sum	11.18	0.01313	21.13	Pass
NVNT	ac20 MIMO	5720	Ant1	8.18	0.00658	24	Pass
NVNT	ac20 MIMO	5720	Ant2	8.22	0.00664	23.89	Pass
NVNT	ac20 MIMO	5720	Sum	11.21	0.01321	21.13	Pass
NVNT	ac20 MIMO	5745	Ant1	7.91	0.00618	30	Pass
NVNT	ac20 MIMO	5745	Ant2	8.14	0.00652	29.89	Pass
NVNT	ac20 MIMO	5745	Sum	11.04	0.0127	27.13	Pass
NVNT	ac20 MIMO	5785	Ant1	7.61	0.00577	30	Pass
NVNT	ac20 MIMO	5785	Ant2	8.33	0.00681	29.89	Pass



NVNT	ac20 MIMO	5785	Sum	11	0.01258	27.13	Pass
NVNT	ac20 MIMO	5825	Ant1	7.54	0.00568	30	Pass
NVNT	ac20 MIMO	5825	Ant2	8.16	0.00655	29.89	Pass
NVNT	ac20 MIMO	5825	Sum	10.87	0.01222	27.13	Pass
NVNT	ac40 SISO	5190	Ant1	11.09	0.01285	24	Pass
NVNT	ac40 SISO	5230	Ant1	10.74	0.01186	24	Pass
NVNT	ac40 SISO	5270	Ant1	10.64	0.01159	24	Pass
NVNT	ac40 SISO	5310	Ant1	10.22	0.01052	24	Pass
NVNT	ac40 SISO	5510	Ant1	10.07	0.01016	24	Pass
NVNT	ac40 SISO	5550	Ant1	10.1	0.01023	24	Pass
NVNT	ac40 SISO	5670	Ant1	10.33	0.01079	24	Pass
NVNT	ac40 SISO	5755	Ant1	10.65	0.01161	30	Pass
NVNT	ac40 SISO	5795	Ant1	10.15	0.01035	30	Pass
NVNT	ac40 SISO	5190	Ant2	10.78	0.01197	23.89	Pass
NVNT	ac40 SISO	5230	Ant2	10.34	0.01081	23.89	Pass
NVNT	ac40 SISO	5270	Ant2	10.47	0.01114	23.89	Pass
NVNT	ac40 SISO	5310	Ant2	9.77	0.00948	23.89	Pass
NVNT	ac40 SISO	5510	Ant2	9.52	0.00895	23.89	Pass
NVNT	ac40 SISO	5550	Ant2	9.48	0.00887	23.89	Pass
NVNT	ac40 SISO	5670	Ant2	10.55	0.01135	23.89	Pass
NVNT	ac40 SISO	5755	Ant2	10.54	0.01132	29.89	Pass
NVNT	ac40 SISO	5795	Ant2	10.16	0.01038	29.89	Pass
NVNT	ac40 MIMO	5190	Ant1	7.56	0.0057	24	Pass
NVNT	ac40 MIMO	5190	Ant2	7.74	0.00594	23.89	Pass
NVNT	ac40 MIMO	5190	Sum	10.66	0.01164	21.13	Pass
NVNT	ac40 MIMO	5230	Ant1	7.47	0.00558	24	Pass
NVNT	ac40 MIMO	5230	Ant2	7.55	0.00569	23.89	Pass
NVNT	ac40 MIMO	5230	Sum	10.52	0.01127	21.13	Pass
NVNT	ac40 MIMO	5270	Ant1	7.36	0.00545	24	Pass
NVNT	ac40 MIMO	5270	Ant2	7.57	0.00571	23.89	Pass
NVNT	ac40 MIMO	5270	Sum	10.48	0.01116	21.13	Pass
NVNT	ac40 MIMO	5310	Ant1	6.94	0.00494	24	Pass
NVNT	ac40 MIMO	5310	Ant2	7.13	0.00516	23.89	Pass
NVNT	ac40 MIMO	5310	Sum	10.05	0.01011	21.13	Pass
NVNT	ac40 MIMO	5510	Ant1	6.27	0.00424	24	Pass
NVNT	ac40 MIMO	5510	Ant2	6.28	0.00425	23.89	Pass
NVNT	ac40 MIMO	5510	Sum	9.28	0.00848	21.13	Pass
NVNT	ac40 MIMO	5550	Ant1	6.53	0.0045	24	Pass



NVNT	ac40 MIMO	5550	Ant2	6.47	0.00444	23.89	Pass
NVNT	ac40 MIMO	5550	Sum	9.51	0.00893	21.13	Pass
NVNT	ac40 MIMO	5670	Ant1	7.2	0.00525	24	Pass
NVNT	ac40 MIMO	5670	Ant2	7.39	0.00548	23.89	Pass
NVNT	ac40 MIMO	5670	Sum	10.31	0.01073	21.13	Pass
NVNT	ac40 MIMO	5755	Ant1	7.14	0.00518	30	Pass
NVNT	ac40 MIMO	5755	Ant2	7.31	0.00538	29.89	Pass
NVNT	ac40 MIMO	5755	Sum	10.24	0.01056	27.13	Pass
NVNT	ac40 MIMO	5795	Ant1	6.42	0.00439	30	Pass
NVNT	ac40 MIMO	5795	Ant2	7.19	0.00524	29.89	Pass
NVNT	ac40 MIMO	5795	Sum	9.83	0.00962	27.13	Pass
NVNT	ac80 SISO	5210	Ant1	9.39	0.00869	24	Pass
NVNT	ac80 SISO	5290	Ant1	9.18	0.00828	24	Pass
NVNT	ac80 SISO	5530	Ant1	9	0.00794	24	Pass
NVNT	ac80 SISO	5610	Ant1	9.09	0.00811	24	Pass
NVNT	ac80 SISO	5775	Ant1	9.38	0.00867	30	Pass
NVNT	ac80 SISO	5210	Ant2	9.81	0.00957	23.89	Pass
NVNT	ac80 SISO	5290	Ant2	9.13	0.00818	23.89	Pass
NVNT	ac80 SISO	5530	Ant2	8.4	0.00692	23.89	Pass
NVNT	ac80 SISO	5610	Ant2	8.91	0.00778	23.89	Pass
NVNT	ac80 SISO	5775	Ant2	9.01	0.00796	29.89	Pass
NVNT	ac80 MIMO	5210	Ant1	5.08	0.00322	24	Pass
NVNT	ac80 MIMO	5210	Ant2	5.7	0.00372	23.89	Pass
NVNT	ac80 MIMO	5210	Sum	8.41	0.00694	21.13	Pass
NVNT	ac80 MIMO	5290	Ant1	5.98	0.00396	24	Pass
NVNT	ac80 MIMO	5290	Ant2	6.83	0.00482	23.89	Pass
NVNT	ac80 MIMO	5290	Sum	9.43	0.00878	21.13	Pass
NVNT	ac80 MIMO	5530	Ant1	5.04	0.00319	24	Pass
NVNT	ac80 MIMO	5530	Ant2	5.1	0.00324	23.89	Pass
NVNT	ac80 MIMO	5530	Sum	8.08	0.00643	21.13	Pass
NVNT	ac80 MIMO	5610	Ant1	5.54	0.00358	24	Pass
NVNT	ac80 MIMO	5610	Ant2	5.85	0.00385	23.89	Pass
NVNT	ac80 MIMO	5610	Sum	8.71	0.00743	21.13	Pass
NVNT	ac80 MIMO	5775	Ant1	5.61	0.00364	30	Pass
NVNT	ac80 MIMO	5775	Ant2	6.42	0.00439	29.89	Pass
NVNT	ac80 MIMO	5775	Sum	9.04	0.00802	27.13	Pass

Note: Directional gain = $10\log[(10^{G0/20} + 10^{G1/20})^2/2] = 8.87\text{dBi} > 6\text{dBi}$, so the power limit shall be reduced to $24 - (8.87 - 6) = 21.13\text{dBm}$ for 5.18-5.24GHz, 5.260-5.320GHz, 5.500-5.720GHz band and reduced to $30 - (8.87 - 6) = 27.13\text{dBm}$ for 5.745-5.825GHz band.

**A.3. Emission Bandwidth**

Condition	Mode	Frequency (MHz)	Antenna	-26 dB Bandwidth (MHz)
NVNT	a SISO	5180	Ant1	20
NVNT	a SISO	5220	Ant1	19.88
NVNT	a SISO	5240	Ant1	20.08
NVNT	a SISO	5260	Ant1	20.13
NVNT	a SISO	5300	Ant1	19.96
NVNT	a SISO	5320	Ant1	19.96
NVNT	a SISO	5500	Ant1	19.83
NVNT	a SISO	5580	Ant1	19.84
NVNT	a SISO	5720	Ant1	20.2
NVNT	a SISO	5180	Ant2	20.13
NVNT	a SISO	5220	Ant2	20.14
NVNT	a SISO	5240	Ant2	20
NVNT	a SISO	5260	Ant2	20.25
NVNT	a SISO	5300	Ant2	20.02
NVNT	a SISO	5320	Ant2	20
NVNT	a SISO	5500	Ant2	19.71
NVNT	a SISO	5580	Ant2	20.05
NVNT	a SISO	5720	Ant2	20.19
NVNT	n20 SISO	5180	Ant1	20.38
NVNT	n20 SISO	5220	Ant1	20.4
NVNT	n20 SISO	5240	Ant1	20.36
NVNT	n20 SISO	5260	Ant1	20.4
NVNT	n20 SISO	5300	Ant1	20.4
NVNT	n20 SISO	5320	Ant1	20.44
NVNT	n20 SISO	5500	Ant1	20.48
NVNT	n20 SISO	5580	Ant1	20.44
NVNT	n20 SISO	5720	Ant1	20.44
NVNT	n20 SISO	5180	Ant2	20.45
NVNT	n20 SISO	5220	Ant2	20.48
NVNT	n20 SISO	5240	Ant2	20.47
NVNT	n20 SISO	5260	Ant2	20.33
NVNT	n20 SISO	5300	Ant2	20.47
NVNT	n20 SISO	5320	Ant2	20.43
NVNT	n20 SISO	5500	Ant2	20.41
NVNT	n20 SISO	5580	Ant2	20.49
NVNT	n20 SISO	5720	Ant2	20.37



NVNT	n20 MIMO	5180	Ant1	20.39
NVNT	n20 MIMO	5180	Ant2	20.03
NVNT	n20 MIMO	5220	Ant1	20.54
NVNT	n20 MIMO	5220	Ant2	20.11
NVNT	n20 MIMO	5240	Ant1	20.39
NVNT	n20 MIMO	5240	Ant2	20.09
NVNT	n20 MIMO	5260	Ant1	20.48
NVNT	n20 MIMO	5260	Ant2	20.21
NVNT	n20 MIMO	5300	Ant1	20.53
NVNT	n20 MIMO	5300	Ant2	20.22
NVNT	n20 MIMO	5320	Ant1	20.41
NVNT	n20 MIMO	5320	Ant2	20.13
NVNT	n20 MIMO	5500	Ant1	19.89
NVNT	n20 MIMO	5500	Ant2	20.42
NVNT	n20 MIMO	5580	Ant1	19.95
NVNT	n20 MIMO	5580	Ant2	20.44
NVNT	n20 MIMO	5720	Ant1	20.43
NVNT	n20 MIMO	5720	Ant2	19.95
NVNT	n40 SISO	5190	Ant1	40.6
NVNT	n40 SISO	5230	Ant1	40.61
NVNT	n40 SISO	5270	Ant1	40.78
NVNT	n40 SISO	5310	Ant1	40.8
NVNT	n40 SISO	5510	Ant1	40.69
NVNT	n40 SISO	5550	Ant1	41.11
NVNT	n40 SISO	5670	Ant1	40.92
NVNT	n40 SISO	5190	Ant2	40.89
NVNT	n40 SISO	5230	Ant2	40.87
NVNT	n40 SISO	5270	Ant2	40.74
NVNT	n40 SISO	5310	Ant2	41.03
NVNT	n40 SISO	5510	Ant2	40.51
NVNT	n40 SISO	5550	Ant2	41.01
NVNT	n40 SISO	5670	Ant2	41.21
NVNT	n40 MIMO	5190	Ant1	40.16
NVNT	n40 MIMO	5190	Ant2	40.43
NVNT	n40 MIMO	5230	Ant1	40.1
NVNT	n40 MIMO	5230	Ant2	40.71
NVNT	n40 MIMO	5270	Ant1	40.22
NVNT	n40 MIMO	5270	Ant2	40.97



NVNT	n40 MIMO	5310	Ant1	39.82
NVNT	n40 MIMO	5310	Ant2	40.8
NVNT	n40 MIMO	5510	Ant1	40.12
NVNT	n40 MIMO	5510	Ant2	40.59
NVNT	n40 MIMO	5550	Ant1	40.13
NVNT	n40 MIMO	5550	Ant2	40.65
NVNT	n40 MIMO	5670	Ant1	40.7
NVNT	n40 MIMO	5670	Ant2	40.61
NVNT	ac20 SISO	5180	Ant1	20.62
NVNT	ac20 SISO	5220	Ant1	20.32
NVNT	ac20 SISO	5240	Ant1	20.42
NVNT	ac20 SISO	5260	Ant1	20.41
NVNT	ac20 SISO	5300	Ant1	20.4
NVNT	ac20 SISO	5320	Ant1	20.44
NVNT	ac20 SISO	5500	Ant1	20.36
NVNT	ac20 SISO	5580	Ant1	20.55
NVNT	ac20 SISO	5720	Ant1	20.45
NVNT	ac20 SISO	5180	Ant2	20.45
NVNT	ac20 SISO	5220	Ant2	20.52
NVNT	ac20 SISO	5240	Ant2	20.36
NVNT	ac20 SISO	5260	Ant2	20.43
NVNT	ac20 SISO	5300	Ant2	20.41
NVNT	ac20 SISO	5320	Ant2	20.34
NVNT	ac20 SISO	5500	Ant2	20.44
NVNT	ac20 SISO	5580	Ant2	20.45
NVNT	ac20 SISO	5720	Ant2	20.48
NVNT	ac20 MIMO	5180	Ant1	20.01
NVNT	ac20 MIMO	5180	Ant2	20.47
NVNT	ac20 MIMO	5220	Ant1	20.07
NVNT	ac20 MIMO	5220	Ant2	20.45
NVNT	ac20 MIMO	5240	Ant1	20.22
NVNT	ac20 MIMO	5240	Ant2	20.52
NVNT	ac20 MIMO	5260	Ant1	19.86
NVNT	ac20 MIMO	5260	Ant2	20.48
NVNT	ac20 MIMO	5300	Ant1	19.93
NVNT	ac20 MIMO	5300	Ant2	20.43
NVNT	ac20 MIMO	5320	Ant1	20.05
NVNT	ac20 MIMO	5320	Ant2	20.47



NVNT	ac20 MIMO	5500	Ant1	20.1
NVNT	ac20 MIMO	5500	Ant2	20.48
NVNT	ac20 MIMO	5580	Ant1	20.11
NVNT	ac20 MIMO	5580	Ant2	20.36
NVNT	ac20 MIMO	5720	Ant1	20.48
NVNT	ac20 MIMO	5720	Ant2	19.98
NVNT	ac40 SISO	5190	Ant1	40.7
NVNT	ac40 SISO	5230	Ant1	40.82
NVNT	ac40 SISO	5270	Ant1	40.8
NVNT	ac40 SISO	5310	Ant1	40.74
NVNT	ac40 SISO	5510	Ant1	40.91
NVNT	ac40 SISO	5550	Ant1	40.87
NVNT	ac40 SISO	5670	Ant1	40.68
NVNT	ac40 SISO	5190	Ant2	40.81
NVNT	ac40 SISO	5230	Ant2	40.83
NVNT	ac40 SISO	5270	Ant2	40.69
NVNT	ac40 SISO	5310	Ant2	40.85
NVNT	ac40 SISO	5510	Ant2	40.81
NVNT	ac40 SISO	5550	Ant2	40.82
NVNT	ac40 SISO	5670	Ant2	40.76
NVNT	ac40 MIMO	5190	Ant1	39.99
NVNT	ac40 MIMO	5190	Ant2	40.85
NVNT	ac40 MIMO	5230	Ant1	40.25
NVNT	ac40 MIMO	5230	Ant2	40.63
NVNT	ac40 MIMO	5270	Ant1	39.96
NVNT	ac40 MIMO	5270	Ant2	40.84
NVNT	ac40 MIMO	5310	Ant1	40.13
NVNT	ac40 MIMO	5310	Ant2	40.74
NVNT	ac40 MIMO	5510	Ant1	39.72
NVNT	ac40 MIMO	5510	Ant2	40.82
NVNT	ac40 MIMO	5550	Ant1	40.28
NVNT	ac40 MIMO	5550	Ant2	40.7
NVNT	ac40 MIMO	5670	Ant1	39.88
NVNT	ac40 MIMO	5670	Ant2	40.86
NVNT	ac80 SISO	5210	Ant1	81.65
NVNT	ac80 SISO	5290	Ant1	81.41
NVNT	ac80 SISO	5530	Ant1	81.68
NVNT	ac80 SISO	5610	Ant1	81.92



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NVNT	ac80 SISO	5210	Ant2	81.67
NVNT	ac80 SISO	5290	Ant2	81.8
NVNT	ac80 SISO	5530	Ant2	81.9
NVNT	ac80 SISO	5610	Ant2	81.5
NVNT	ac80 MIMO	5210	Ant1	80.06
NVNT	ac80 MIMO	5210	Ant2	81.55
NVNT	ac80 MIMO	5290	Ant1	80.07
NVNT	ac80 MIMO	5290	Ant2	81.53
NVNT	ac80 MIMO	5530	Ant1	80.25
NVNT	ac80 MIMO	5530	Ant2	81.44
NVNT	ac80 MIMO	5610	Ant1	80.03
NVNT	ac80 MIMO	5610	Ant2	81.88





Condition	Mode	Frequency (MHz)	Antenna	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
NVNT	a SISO	5745	Ant1	15.12	0.5	Pass
NVNT	a SISO	5785	Ant1	14.38	0.5	Pass
NVNT	a SISO	5825	Ant1	15.02	0.5	Pass
NVNT	a SISO	5745	Ant2	14.18	0.5	Pass
NVNT	a SISO	5785	Ant2	15.1	0.5	Pass
NVNT	a SISO	5825	Ant2	15.02	0.5	Pass
NVNT	n20 SISO	5745	Ant1	14.98	0.5	Pass
NVNT	n20 SISO	5785	Ant1	15.12	0.5	Pass
NVNT	n20 SISO	5825	Ant1	15.95	0.5	Pass
NVNT	n20 SISO	5745	Ant2	14.14	0.5	Pass
NVNT	n20 SISO	5785	Ant2	14.95	0.5	Pass
NVNT	n20 SISO	5825	Ant2	15.01	0.5	Pass
NVNT	n20 MIMO	5745	Ant1	16.7	0.5	Pass
NVNT	n20 MIMO	5745	Ant2	15.05	0.5	Pass
NVNT	n20 MIMO	5785	Ant1	15.64	0.5	Pass
NVNT	n20 MIMO	5785	Ant2	15.09	0.5	Pass
NVNT	n20 MIMO	5825	Ant1	15.04	0.5	Pass
NVNT	n20 MIMO	5825	Ant2	15.01	0.5	Pass
NVNT	n40 SISO	5755	Ant1	35.11	0.5	Pass
NVNT	n40 SISO	5795	Ant1	35	0.5	Pass
NVNT	n40 SISO	5755	Ant2	35.1	0.5	Pass
NVNT	n40 SISO	5795	Ant2	33.81	0.5	Pass
NVNT	n40 MIMO	5755	Ant1	35.09	0.5	Pass
NVNT	n40 MIMO	5755	Ant2	33.75	0.5	Pass
NVNT	n40 MIMO	5795	Ant1	34.94	0.5	Pass
NVNT	n40 MIMO	5795	Ant2	35.02	0.5	Pass
NVNT	ac20 SISO	5745	Ant1	15.15	0.5	Pass
NVNT	ac20 SISO	5785	Ant1	12.63	0.5	Pass
NVNT	ac20 SISO	5825	Ant1	15.13	0.5	Pass
NVNT	ac20 SISO	5745	Ant2	13.76	0.5	Pass
NVNT	ac20 SISO	5785	Ant2	15.11	0.5	Pass
NVNT	ac20 SISO	5825	Ant2	13.81	0.5	Pass
NVNT	ac20 MIMO	5745	Ant1	15.64	0.5	Pass
NVNT	ac20 MIMO	5745	Ant2	14.97	0.5	Pass
NVNT	ac20 MIMO	5785	Ant1	15.05	0.5	Pass



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NVNT	ac20 MIMO	5785	Ant2	14.67	0.5	Pass
NVNT	ac20 MIMO	5825	Ant1	14.99	0.5	Pass
NVNT	ac20 MIMO	5825	Ant2	15.01	0.5	Pass
NVNT	ac40 SISO	5755	Ant1	35.06	0.5	Pass
NVNT	ac40 SISO	5795	Ant1	35.04	0.5	Pass
NVNT	ac40 SISO	5755	Ant2	34.95	0.5	Pass
NVNT	ac40 SISO	5795	Ant2	35.06	0.5	Pass
NVNT	ac40 MIMO	5755	Ant1	35.08	0.5	Pass
NVNT	ac40 MIMO	5755	Ant2	33.8	0.5	Pass
NVNT	ac40 MIMO	5795	Ant1	33.18	0.5	Pass
NVNT	ac40 MIMO	5795	Ant2	33.88	0.5	Pass
NVNT	ac80 SISO	5775	Ant1	75.1	0.5	Pass
NVNT	ac80 SISO	5775	Ant2	75.11	0.5	Pass
NVNT	ac80 MIMO	5775	Ant1	75.08	0.5	Pass
NVNT	ac80 MIMO	5775	Ant2	73.75	0.5	Pass

Test Graphs

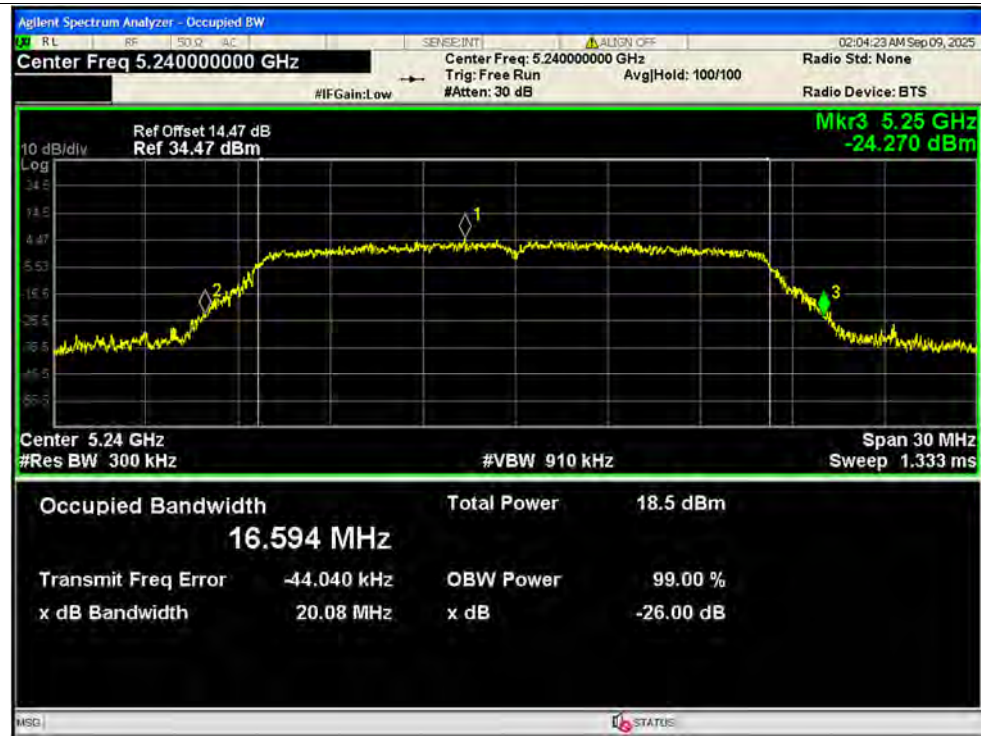
-26dB Bandwidth NVNT a 5180MHz Ant1 SISO



-26dB Bandwidth NVNT a 5220MHz Ant1 SISO



-26dB Bandwidth NVNT a 5240MHz Ant1 SISO



-26dB Bandwidth NVNT a 5260MHz Ant1 SISO



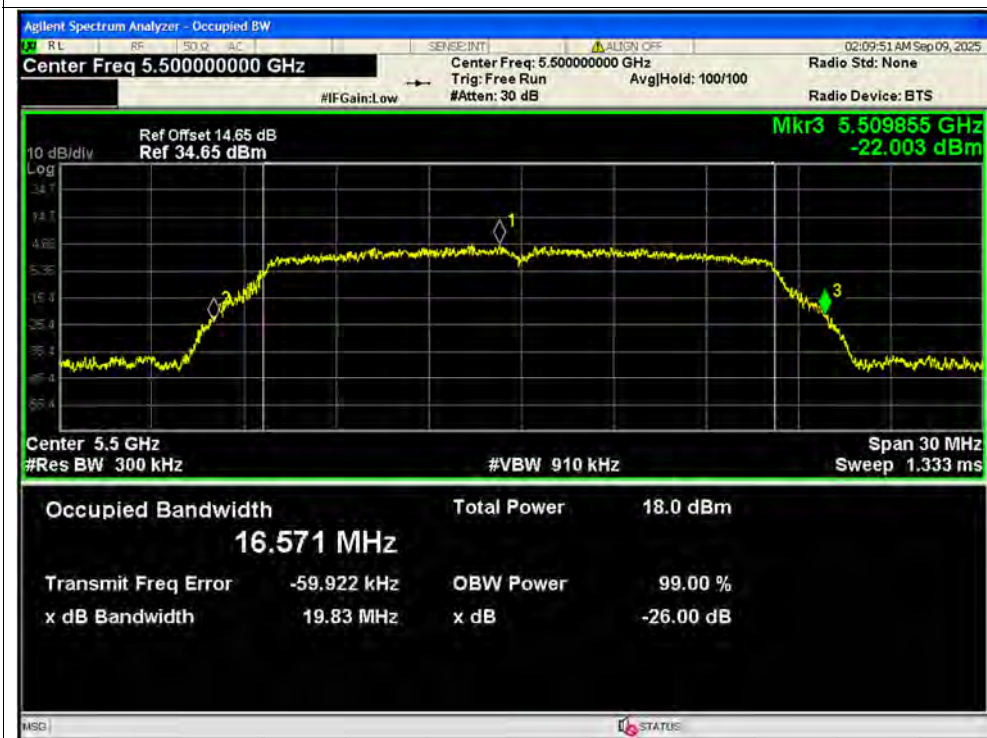
-26dB Bandwidth NVNT a 5300MHz Ant1 SISO



-26dB Bandwidth NVNT a 5320MHz Ant1 SISO



-26dB Bandwidth NVNT a 5500MHz Ant1 SISO



-26dB Bandwidth NVNT a 5580MHz Ant1 SISO



-26dB Bandwidth NVNT a 5720MHz Ant1 SISO



-26dB Bandwidth NVNT a 5180MHz Ant2 SISO



-26dB Bandwidth NVNT a 5220MHz Ant2 SISO



-26dB Bandwidth NVNT a 5240MHz Ant2 SISO



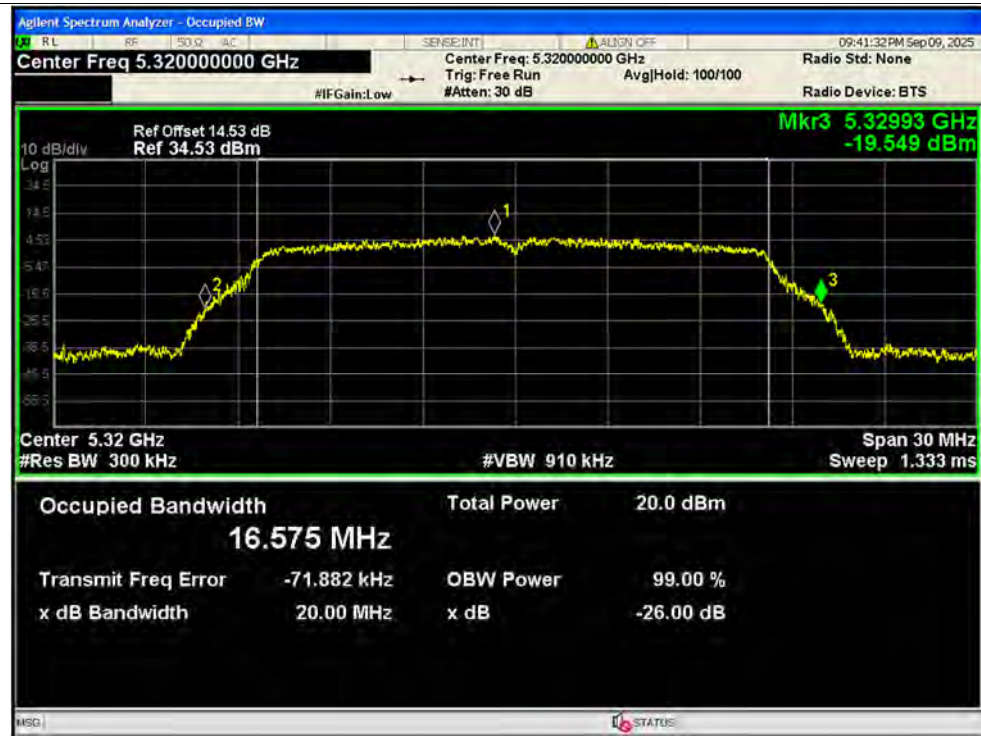
-26dB Bandwidth NVNT a 5260MHz Ant2 SISO



-26dB Bandwidth NVNT a 5300MHz Ant2 SISO



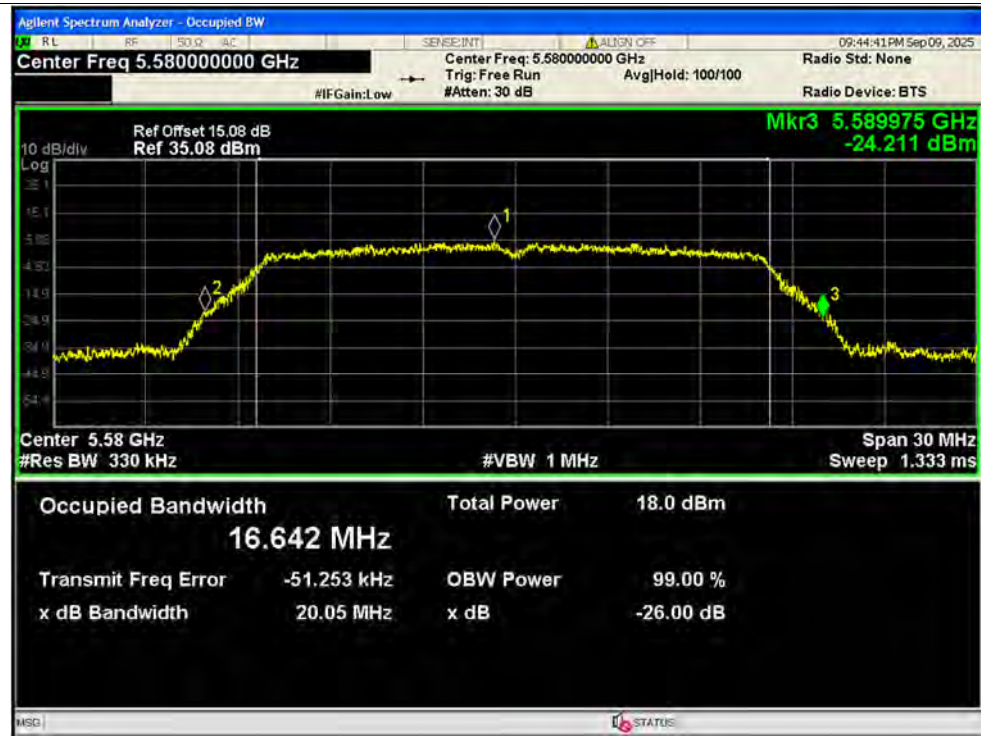
-26dB Bandwidth NVNT a 5320MHz Ant2 SISO



-26dB Bandwidth NVNT a 5500MHz Ant2 SISO



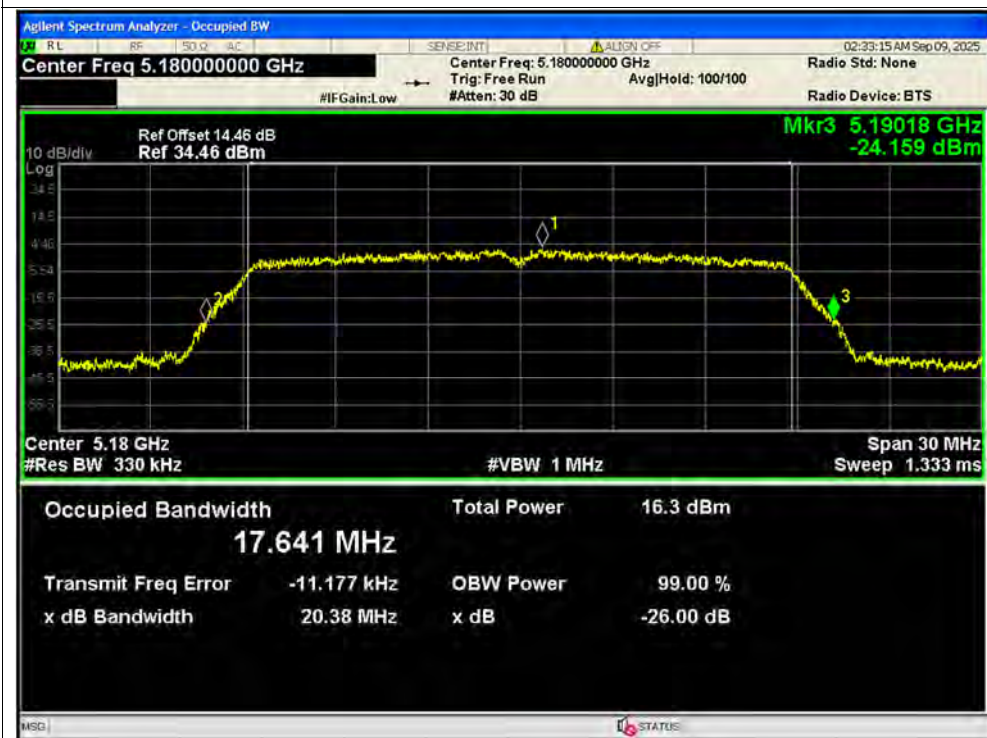
-26dB Bandwidth NVNT a 5580MHz Ant2 SISO



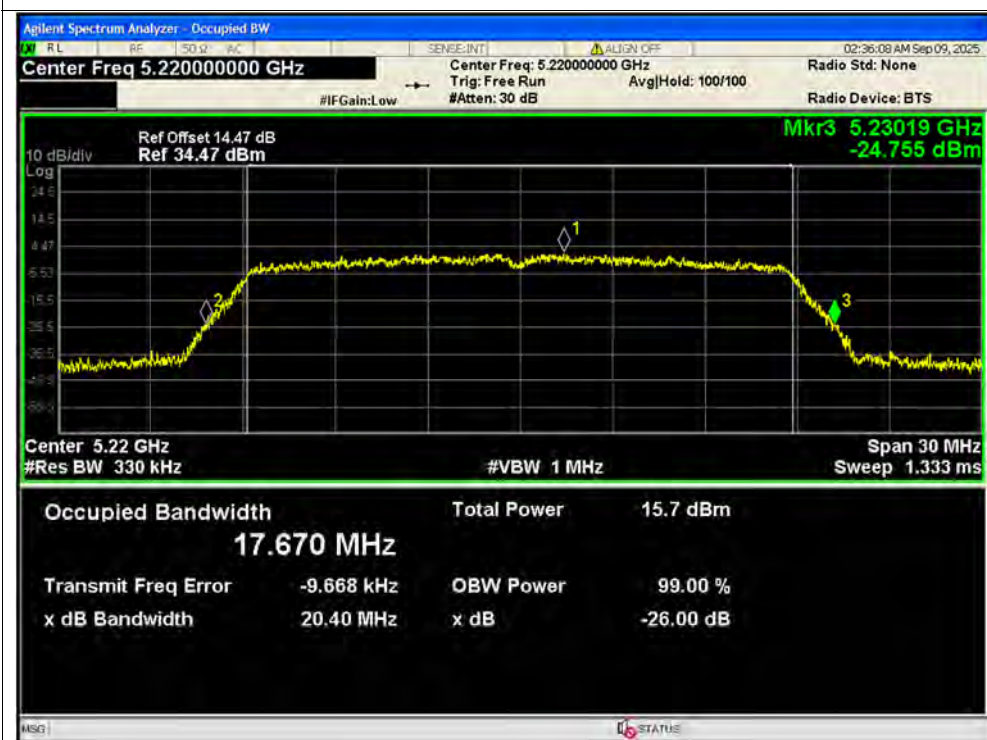
-26dB Bandwidth NVNT a 5720MHz Ant2 SISO



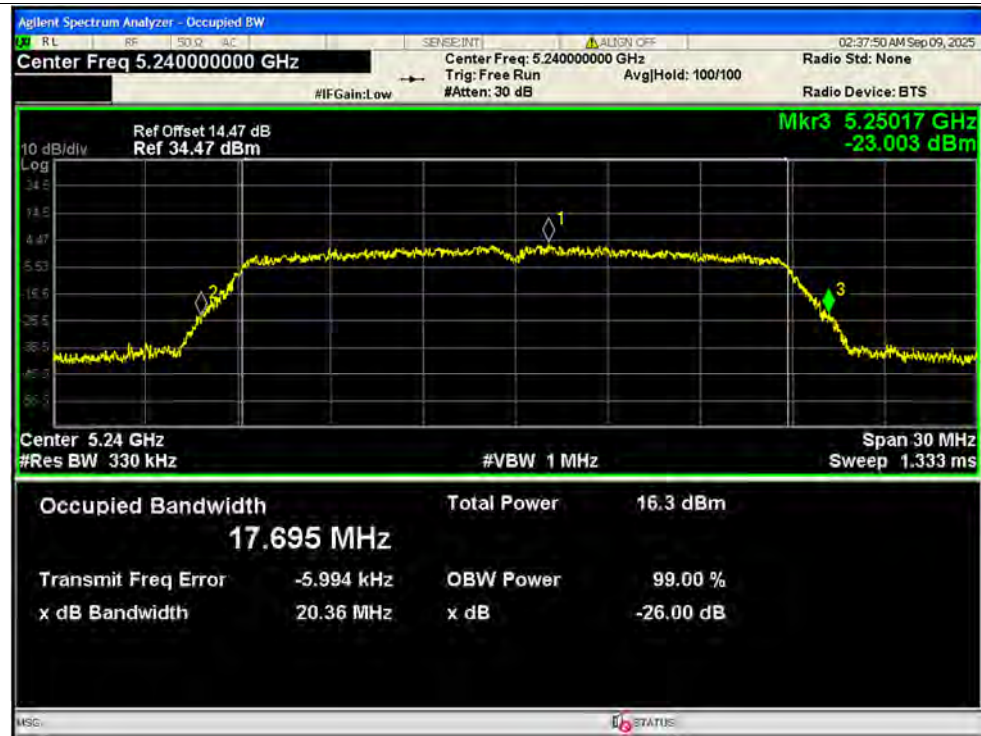
-26dB Bandwidth NVNT n20 5180MHz Ant1 SISO



-26dB Bandwidth NVNT n20 5220MHz Ant1 SISO



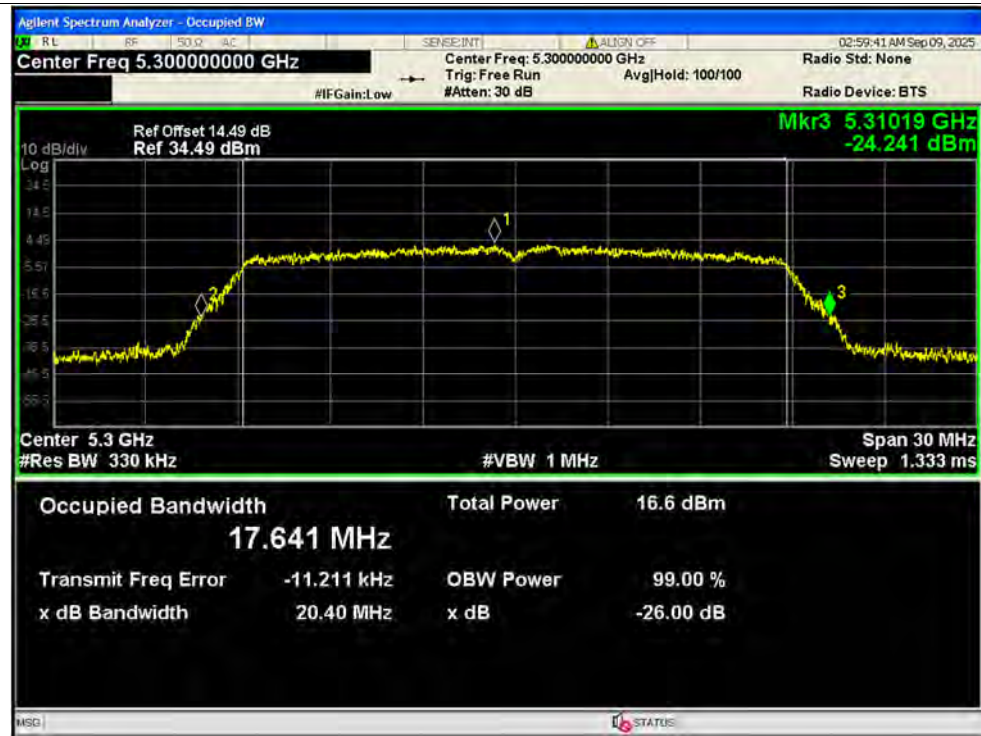
-26dB Bandwidth NVNT n20 5240MHz Ant1 SISO



-26dB Bandwidth NVNT n20 5260MHz Ant1 SISO



-26dB Bandwidth NVNT n20 5300MHz Ant1 SISO



-26dB Bandwidth NVNT n20 5320MHz Ant1 SISO



-26dB Bandwidth NVNT n20 5500MHz Ant1 SISO



-26dB Bandwidth NVNT n20 5580MHz Ant1 SISO



-26dB Bandwidth NVNT n20 5720MHz Ant1 SISO

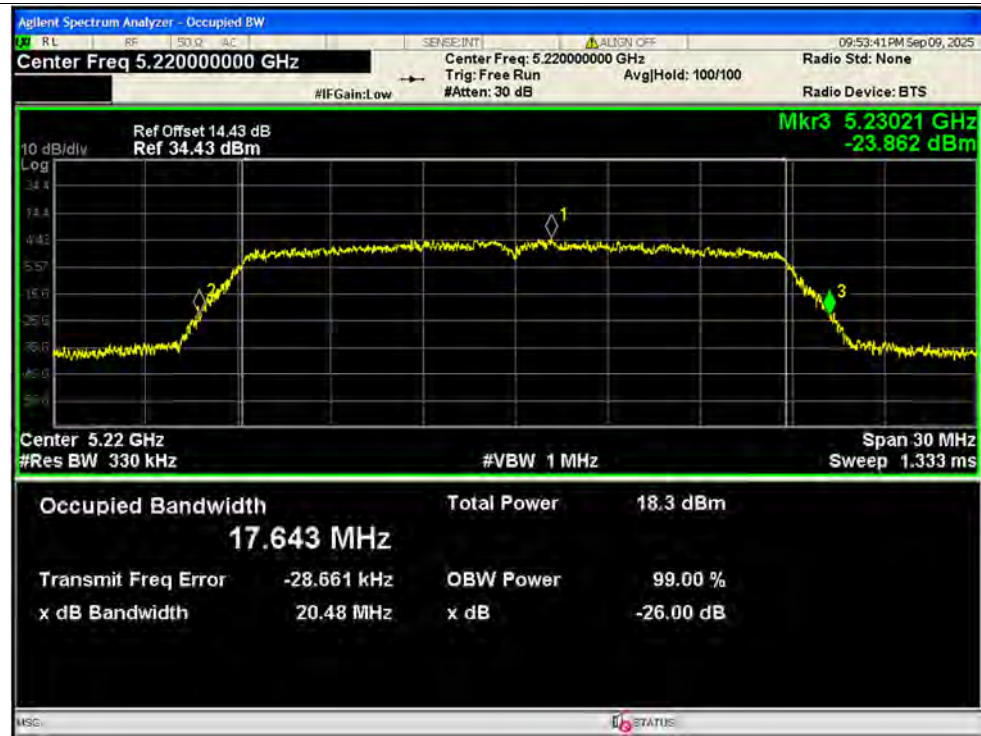


-26dB Bandwidth NVNT n20 5180MHz Ant2 SISO





-26dB Bandwidth NVNT n20 5220MHz Ant2 SISO



-26dB Bandwidth NVNT n20 5240MHz Ant2 SISO



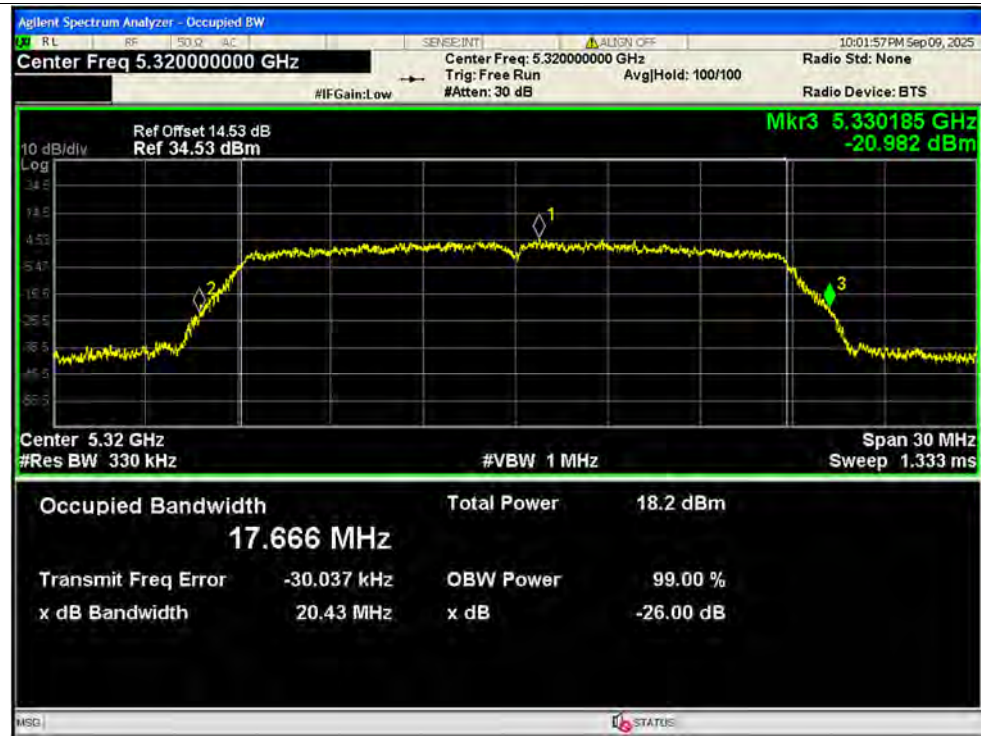
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-26dB Bandwidth NVNT n20 5300MHz Ant2 SISO



-26dB Bandwidth NVNT n20 5320MHz Ant2 SISO



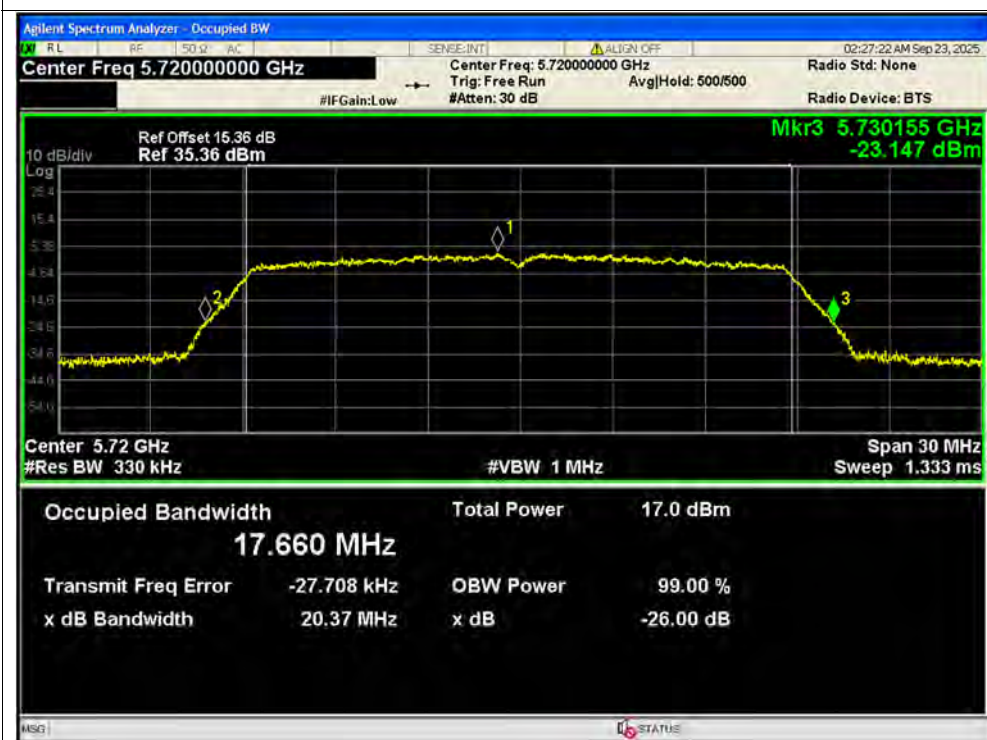
-26dB Bandwidth NVNT n20 5500MHz Ant2 SISO



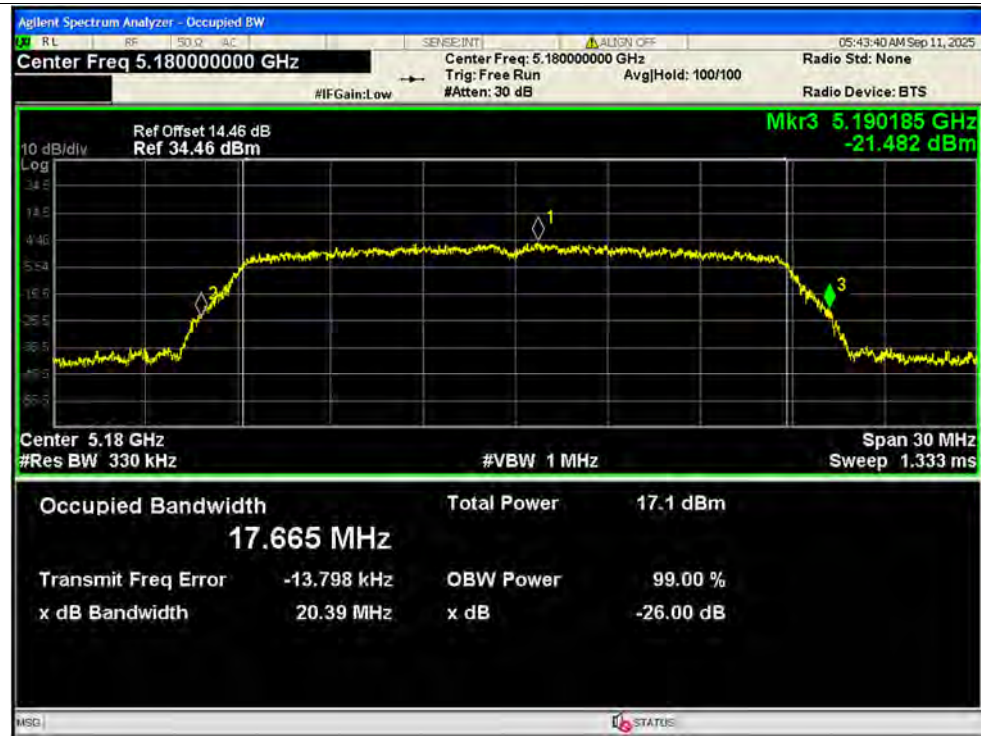
-26dB Bandwidth NVNT n20 5580MHz Ant2 SISO



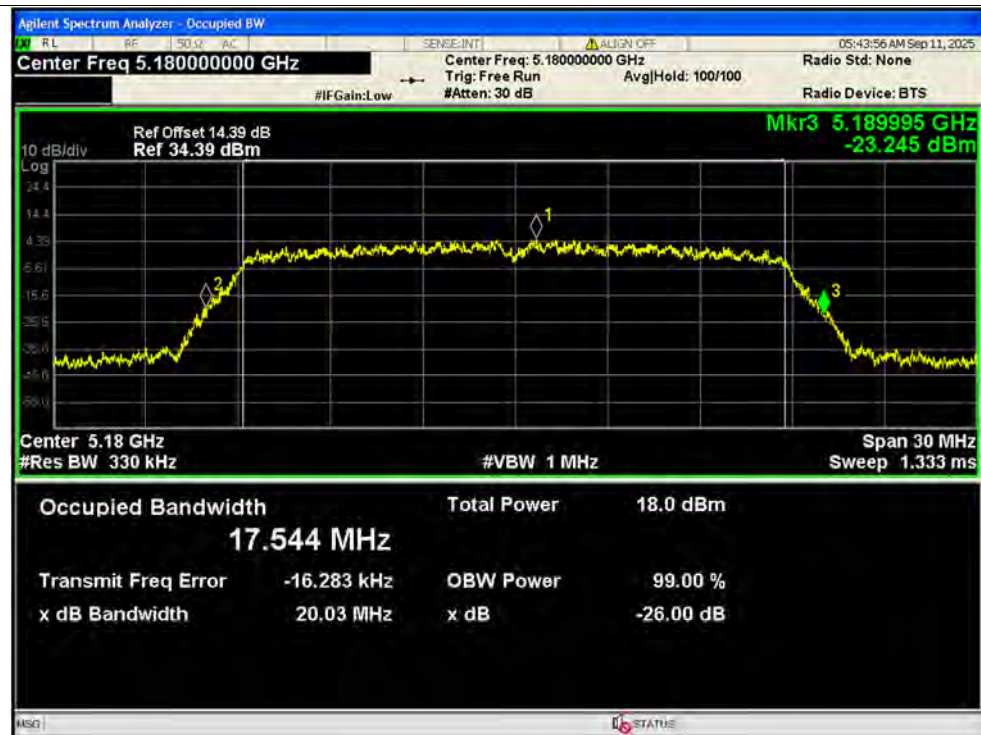
-26dB Bandwidth NVNT n20 5720MHz Ant2 SISO



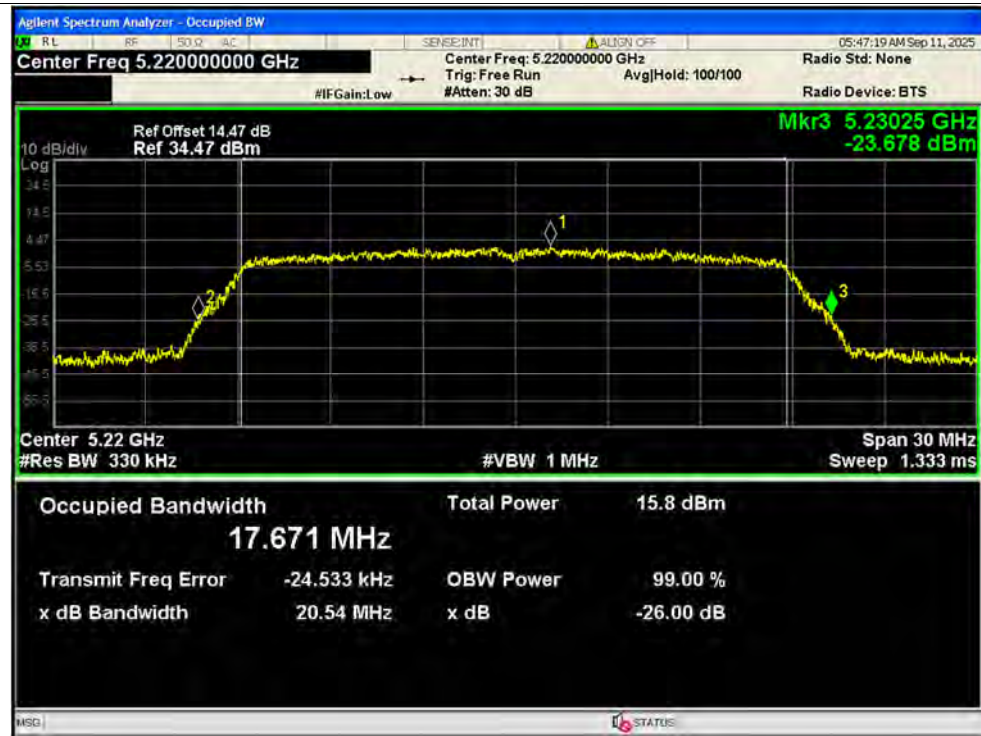
-26dB Bandwidth NVNT n20 5180MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5180MHz Ant2 MIMO



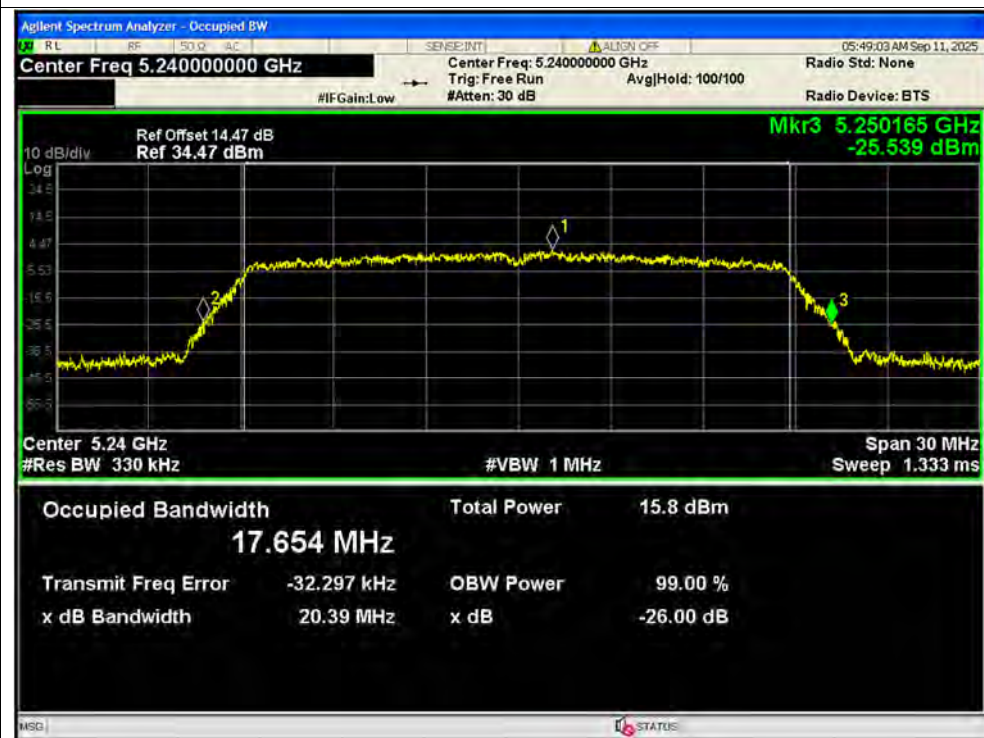
-26dB Bandwidth NVNT n20 5220MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5220MHz Ant2 MIMO



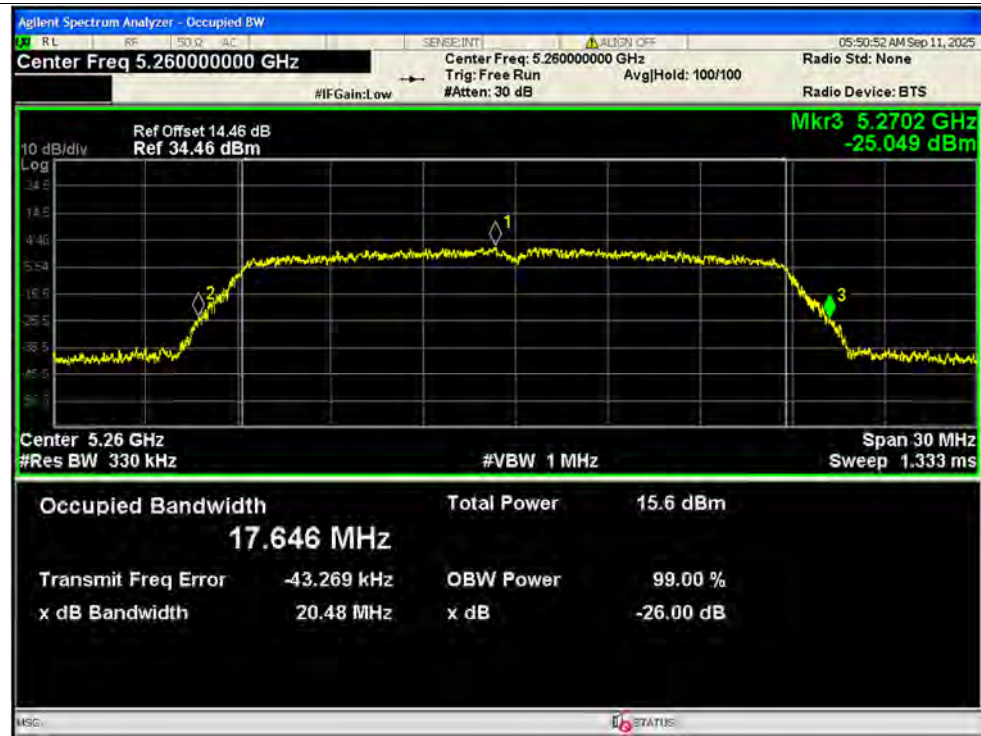
-26dB Bandwidth NVNT n20 5240MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5240MHz Ant2 MIMO



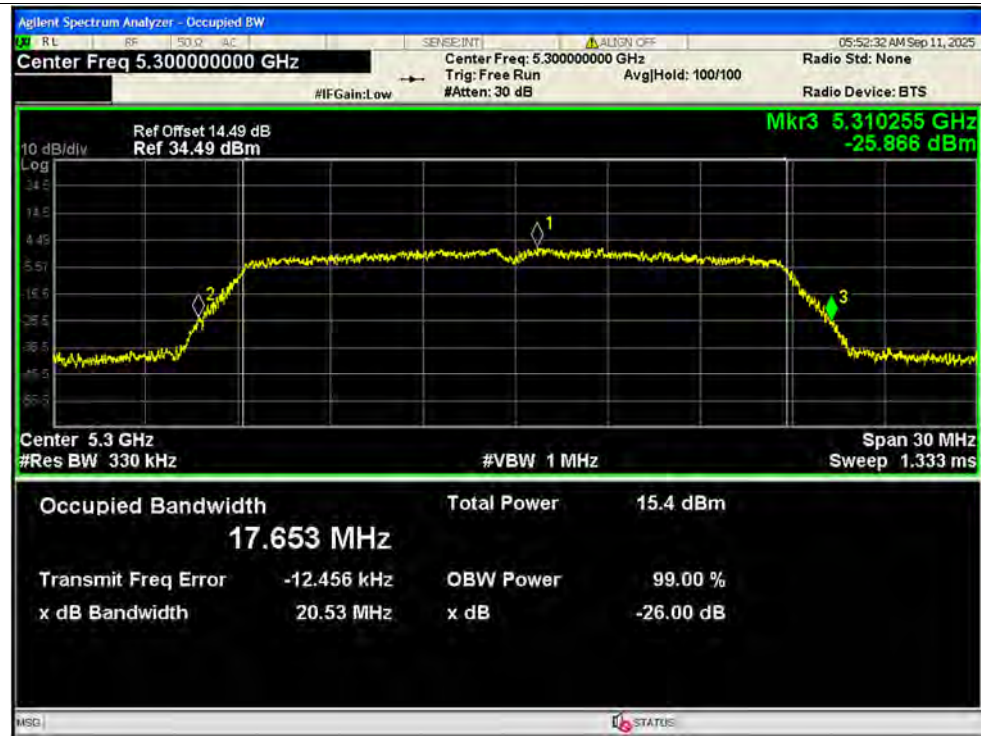
-26dB Bandwidth NVNT n20 5260MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5260MHz Ant2 MIMO



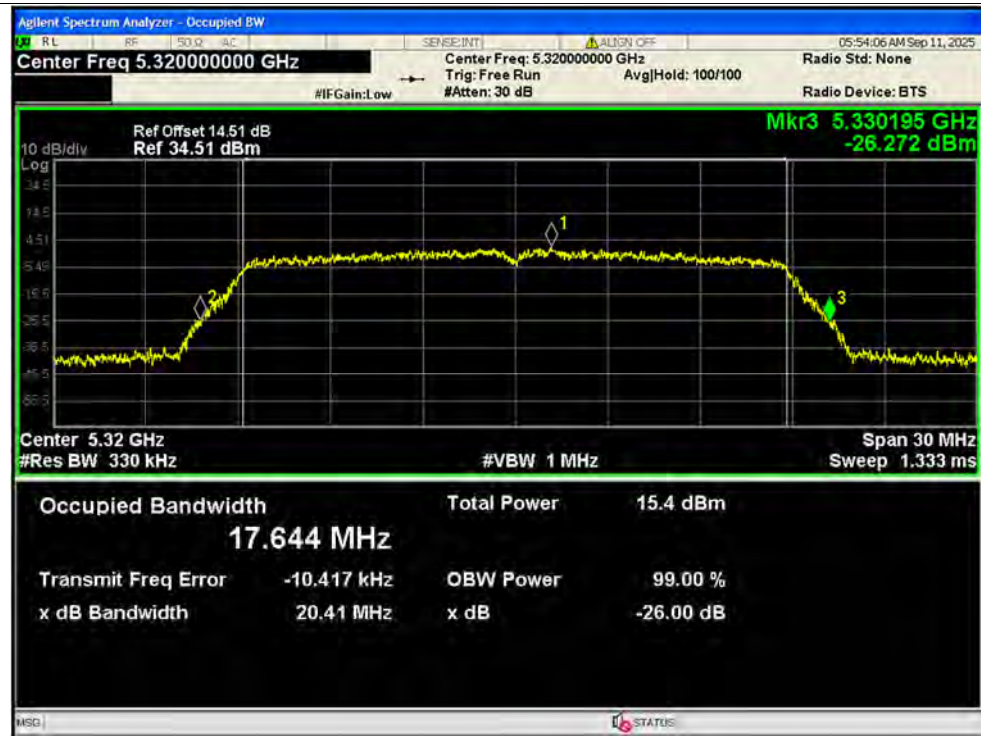
-26dB Bandwidth NVNT n20 5300MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5300MHz Ant2 MIMO



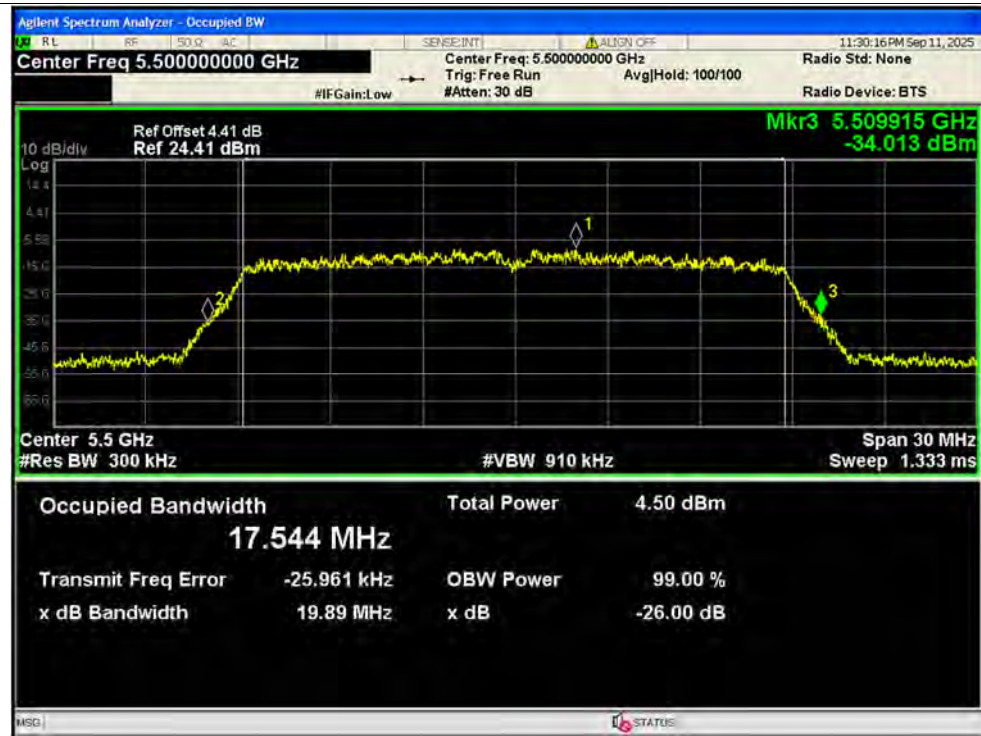
-26dB Bandwidth NVNT n20 5320MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5320MHz Ant2 MIMO



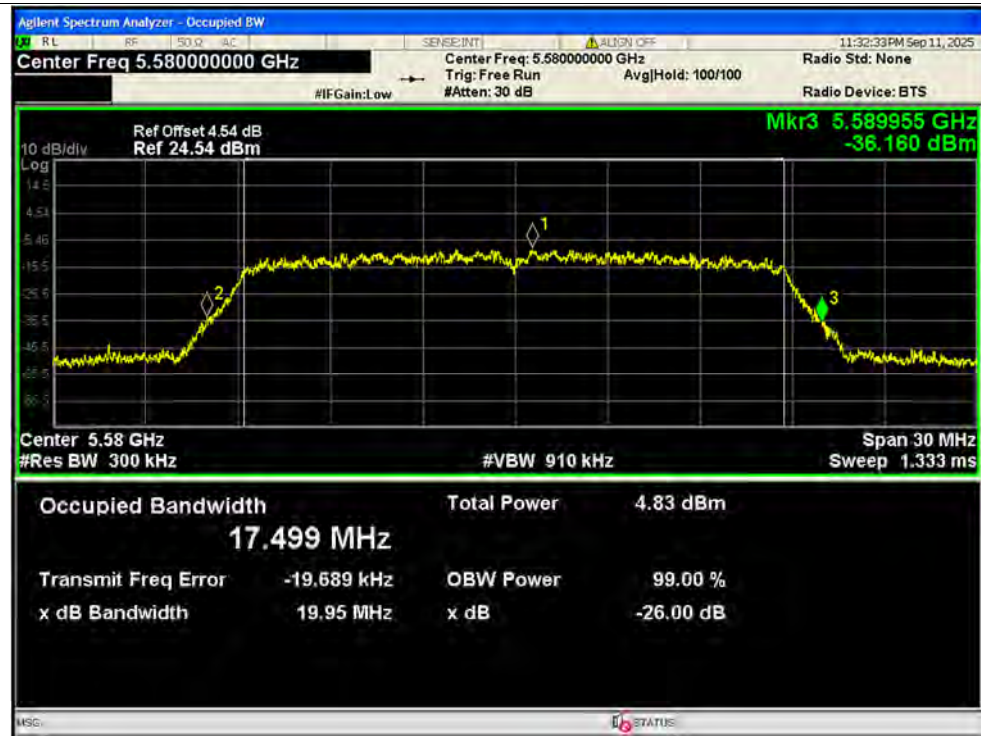
-26dB Bandwidth NVNT n20 5500MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5500MHz Ant2 MIMO



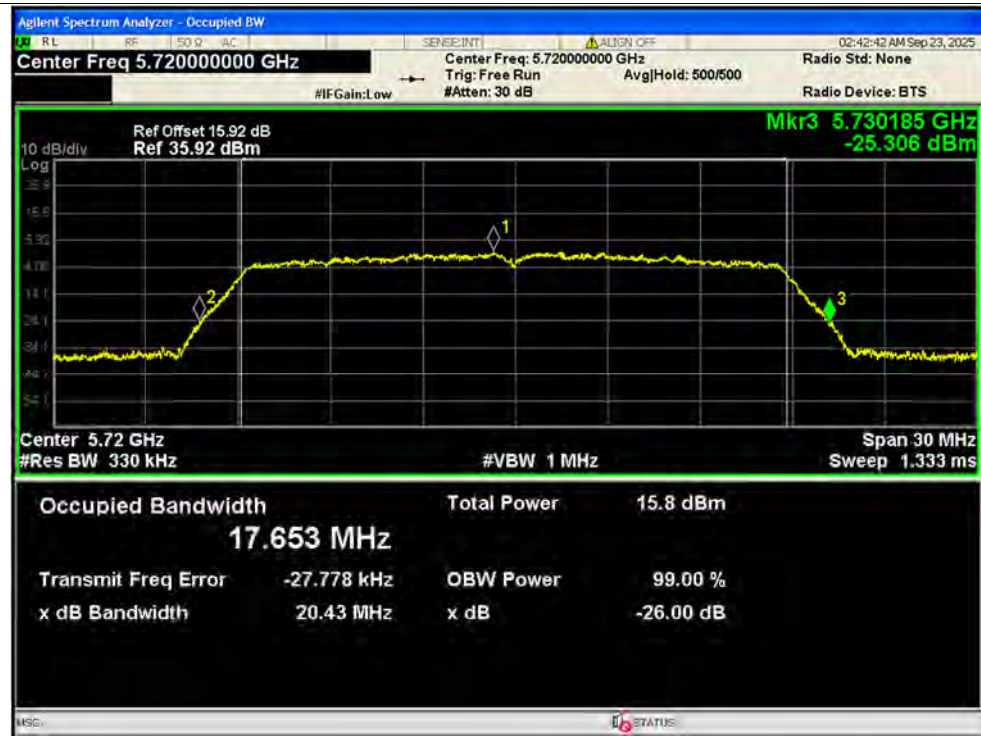
-26dB Bandwidth NVNT n20 5580MHz Ant1 MIMO



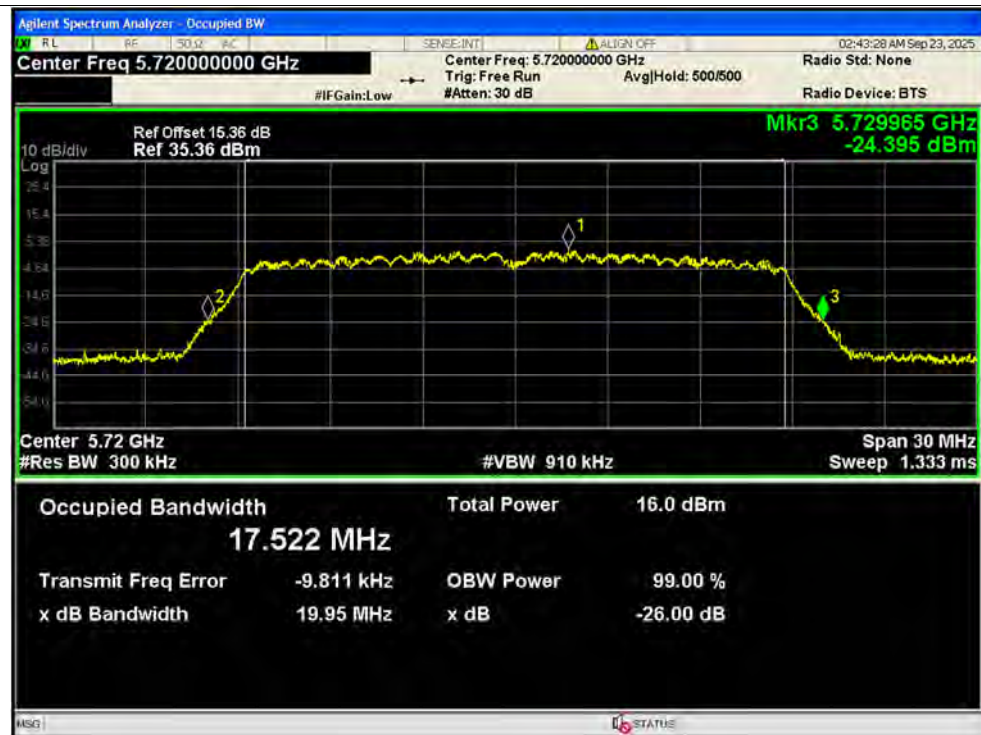
-26dB Bandwidth NVNT n20 5580MHz Ant2 MIMO



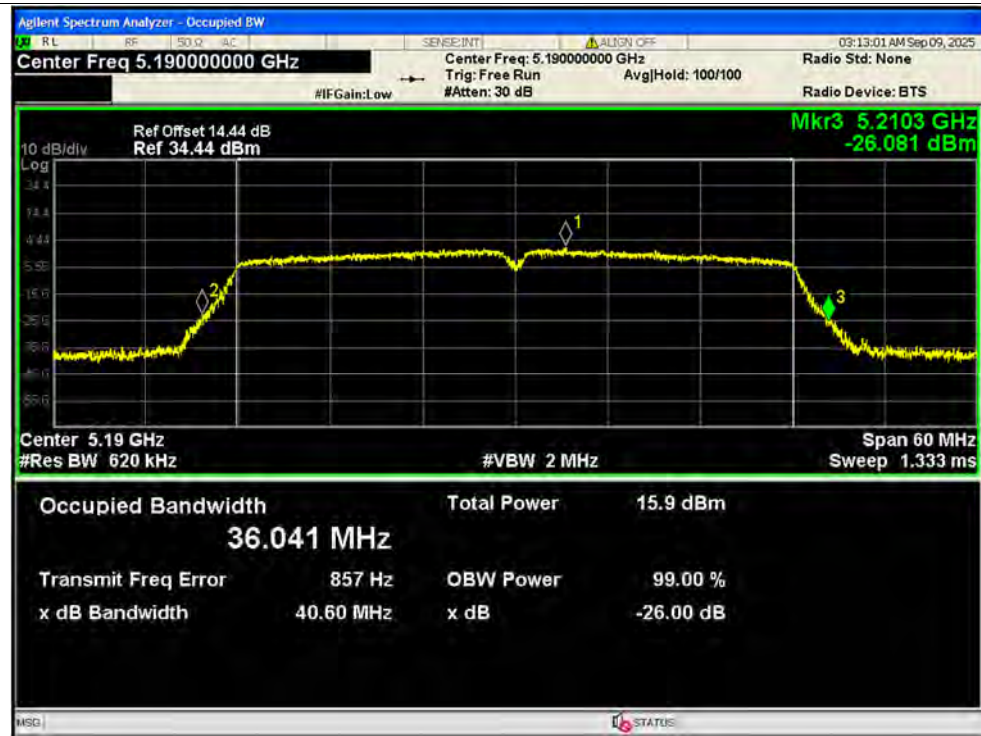
-26dB Bandwidth NVNT n20 5720MHz Ant1 MIMO



-26dB Bandwidth NVNT n20 5720MHz Ant2 MIMO



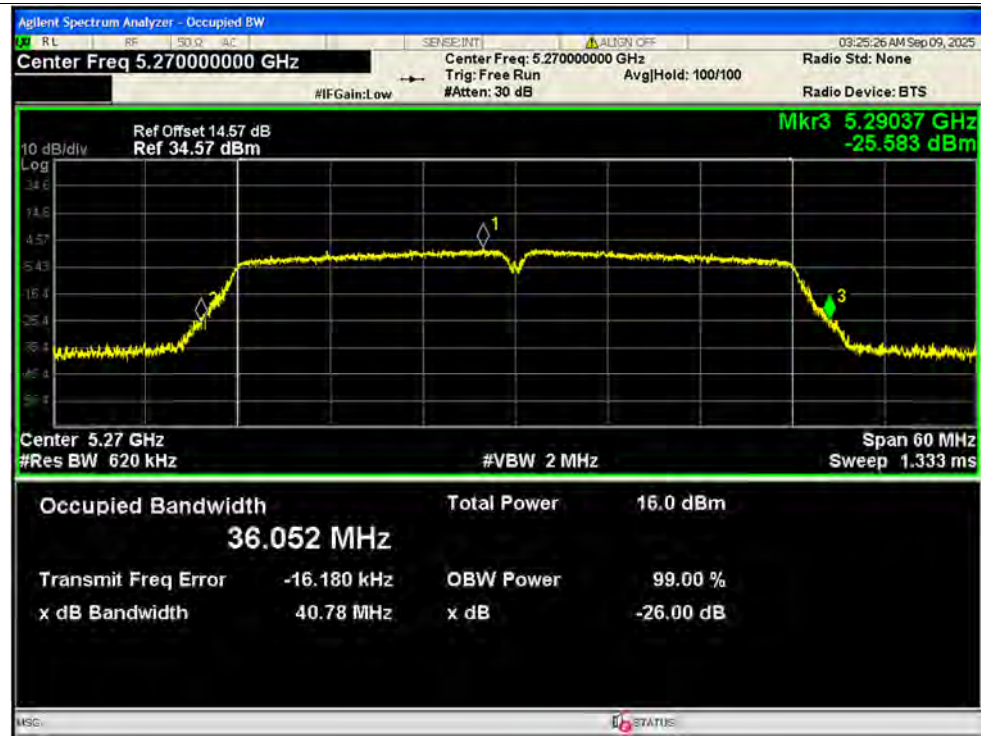
-26dB Bandwidth NVNT n40 5190MHz Ant1 SISO



-26dB Bandwidth NVNT n40 5230MHz Ant1 SISO



-26dB Bandwidth NVNT n40 5270MHz Ant1 SISO



-26dB Bandwidth NVNT n40 5310MHz Ant1 SISO



-26dB Bandwidth NVNT n40 5510MHz Ant1 SISO



-26dB Bandwidth NVNT n40 5550MHz Ant1 SISO



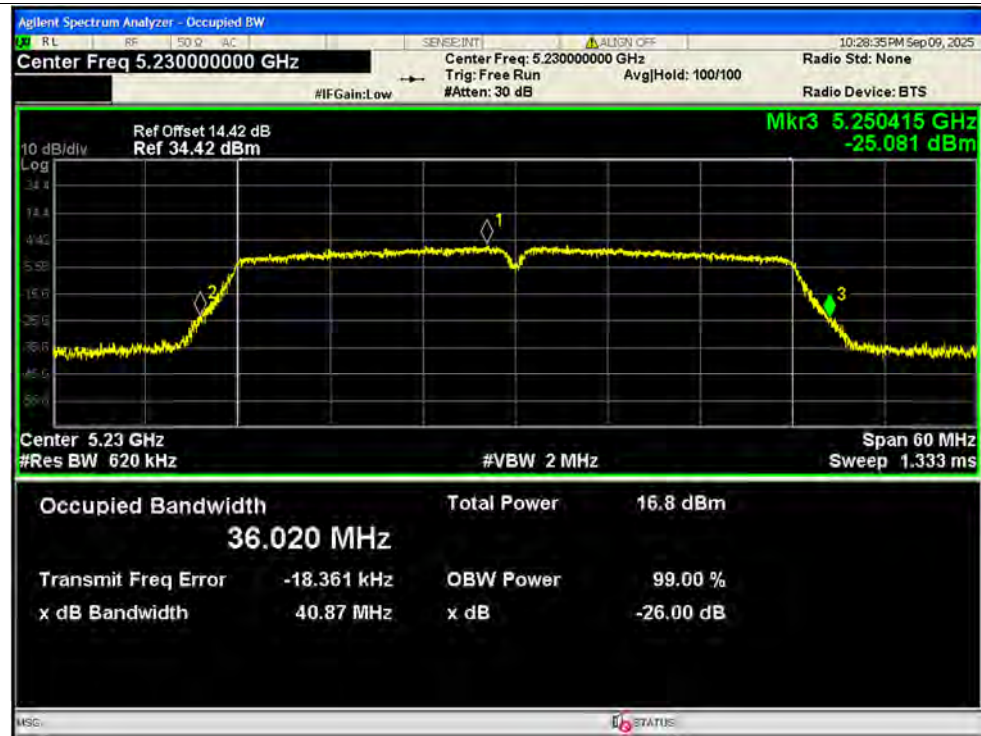
-26dB Bandwidth NVNT n40 5670MHz Ant1 SISO



-26dB Bandwidth NVNT n40 5190MHz Ant2 SISO



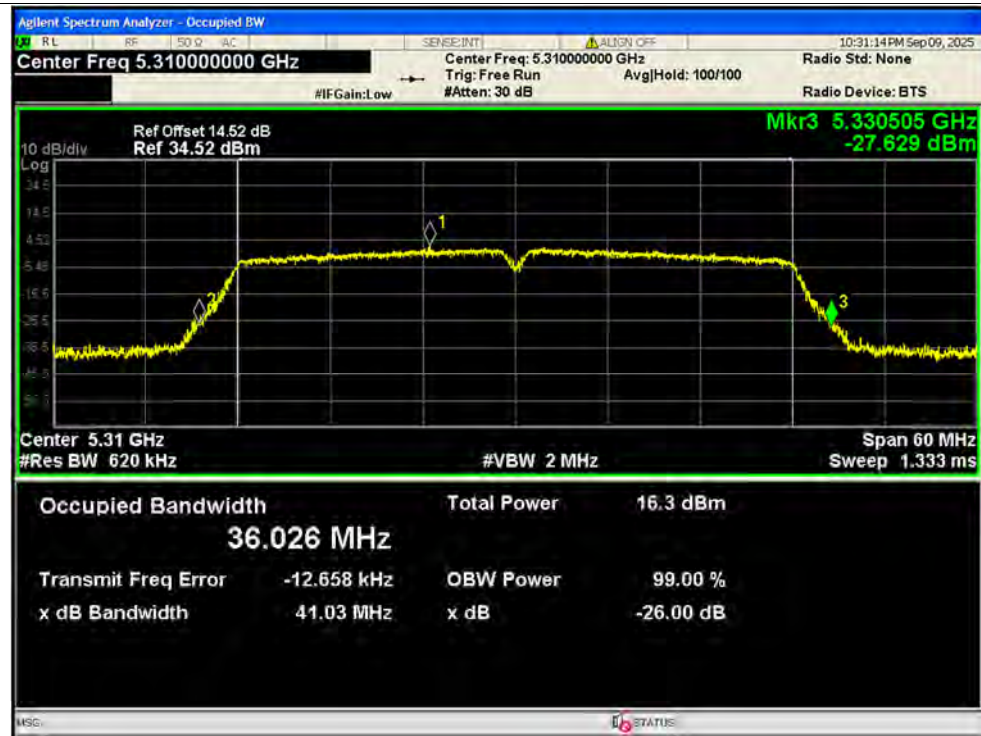
-26dB Bandwidth NVNT n40 5230MHz Ant2 SISO



-26dB Bandwidth NVNT n40 5270MHz Ant2 SISO



-26dB Bandwidth NVNT n40 5310MHz Ant2 SISO



-26dB Bandwidth NVNT n40 5510MHz Ant2 SISO



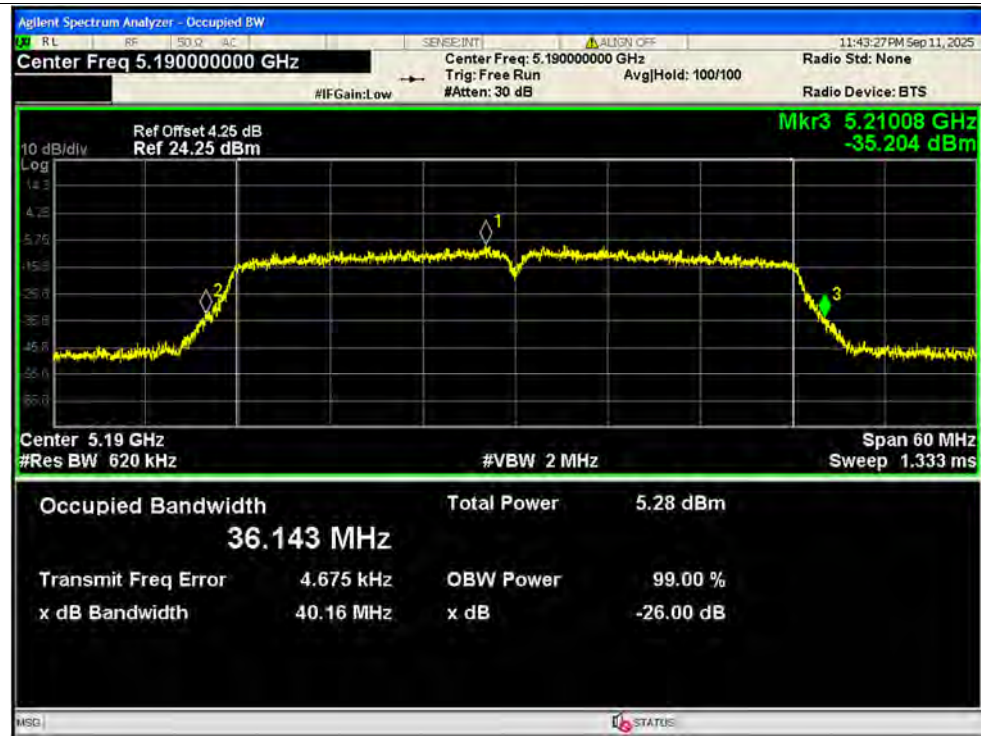
-26dB Bandwidth NVNT n40 5550MHz Ant2 SISO



-26dB Bandwidth NVNT n40 5670MHz Ant2 SISO



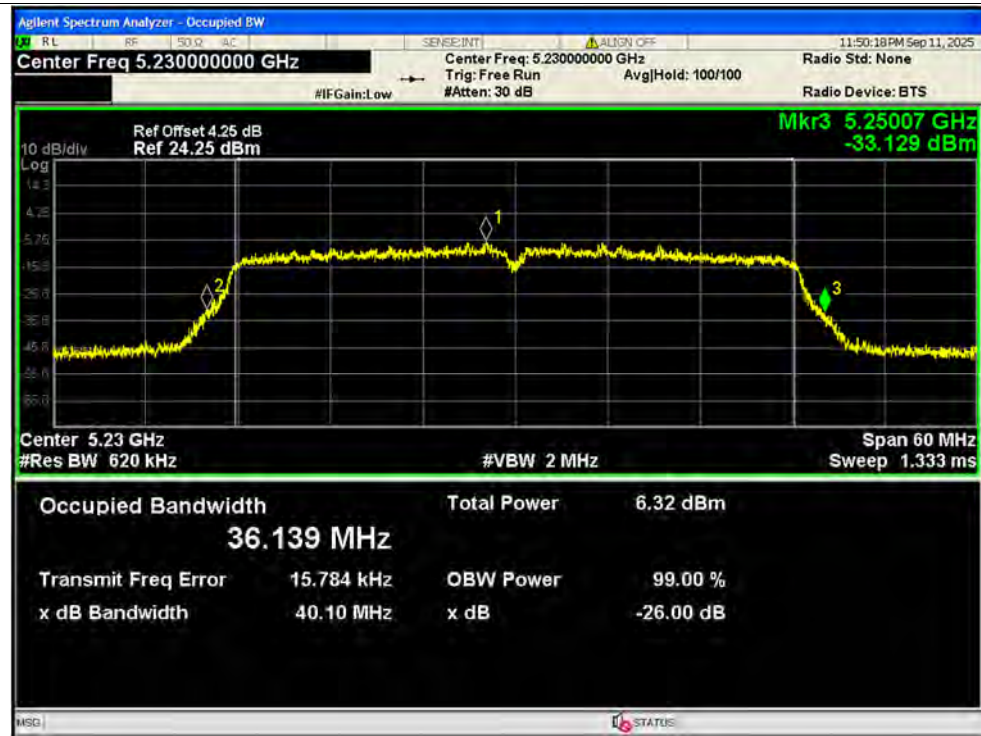
-26dB Bandwidth NVNT n40 5190MHz Ant1 MIMO



-26dB Bandwidth NVNT n40 5190MHz Ant2 MIMO



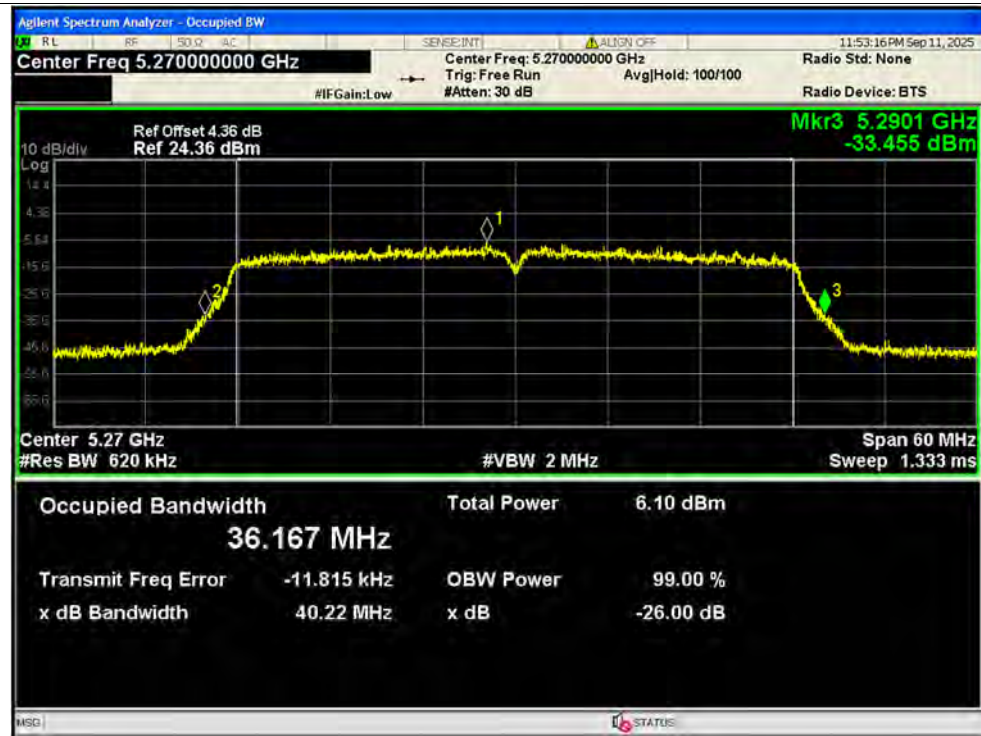
-26dB Bandwidth NVNT n40 5230MHz Ant1 MIMO



-26dB Bandwidth NVNT n40 5230MHz Ant2 MIMO



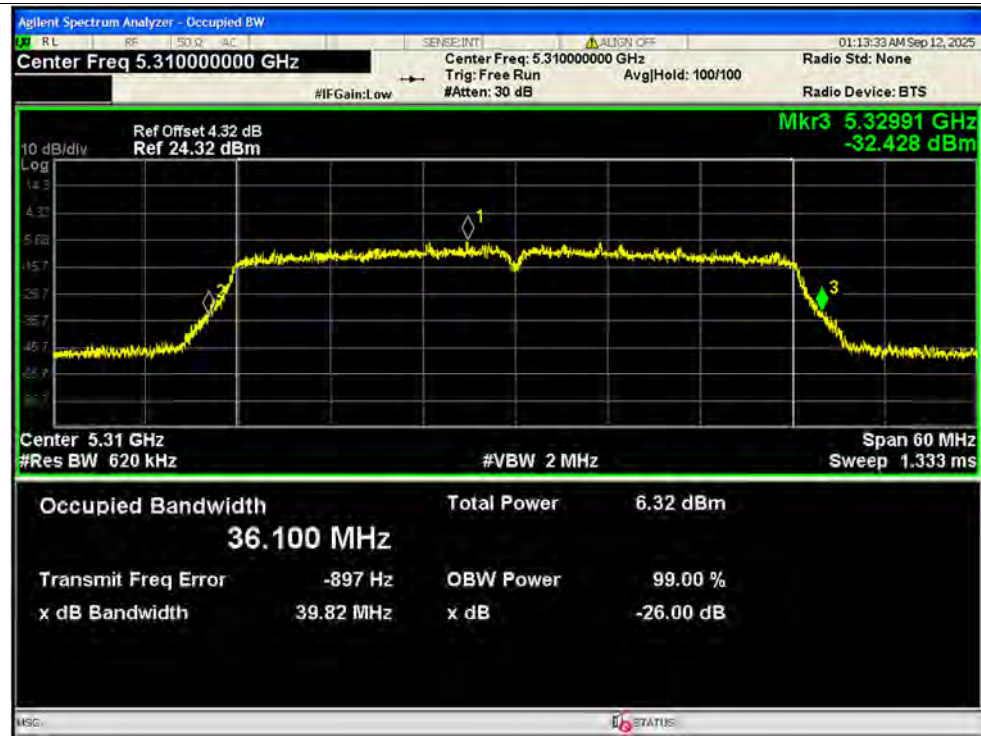
-26dB Bandwidth NVNT n40 5270MHz Ant1 MIMO



-26dB Bandwidth NVNT n40 5270MHz Ant2 MIMO



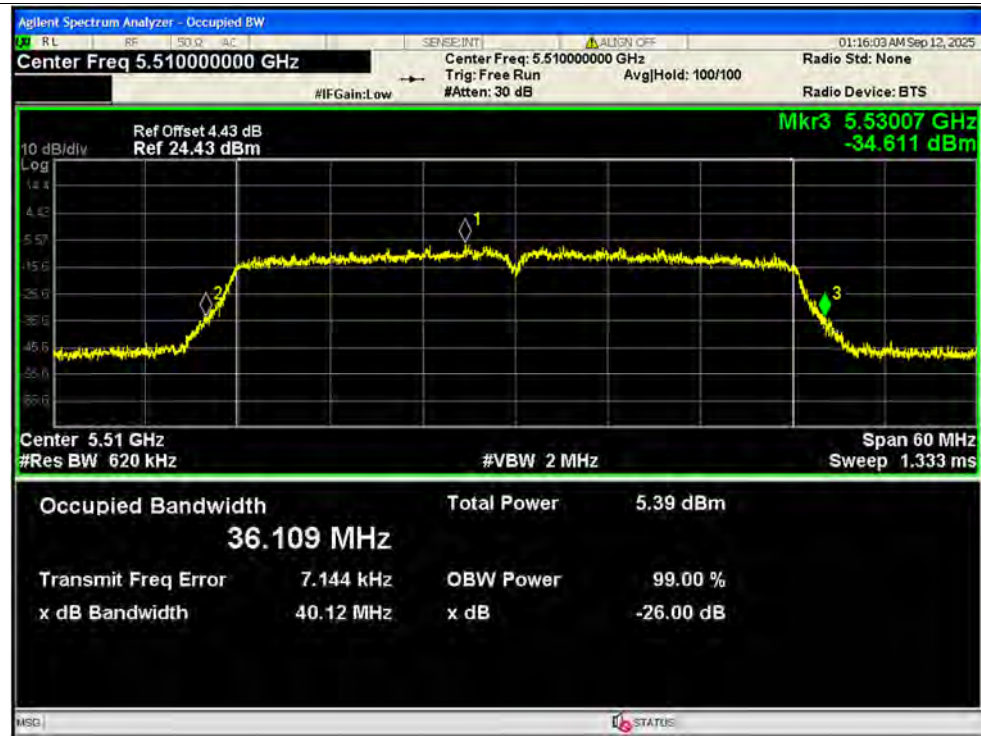
-26dB Bandwidth NVNT n40 5310MHz Ant1 MIMO



-26dB Bandwidth NVNT n40 5310MHz Ant2 MIMO



-26dB Bandwidth NVNT n40 5510MHz Ant1 MIMO



-26dB Bandwidth NVNT n40 5510MHz Ant2 MIMO



-26dB Bandwidth NVNT n40 5550MHz Ant1 MIMO



-26dB Bandwidth NVNT n40 5550MHz Ant2 MIMO



-26dB Bandwidth NVNT n40 5670MHz Ant1 MIMO



-26dB Bandwidth NVNT n40 5670MHz Ant2 MIMO



-26dB Bandwidth NVNT ac20 5180MHz Ant1 SISO



-26dB Bandwidth NVNT ac20 5220MHz Ant1 SISO



-26dB Bandwidth NVNT ac20 5240MHz Ant1 SISO



-26dB Bandwidth NVNT ac20 5260MHz Ant1 SISO



-26dB Bandwidth NVNT ac20 5300MHz Ant1 SISO



-26dB Bandwidth NVNT ac20 5320MHz Ant1 SISO



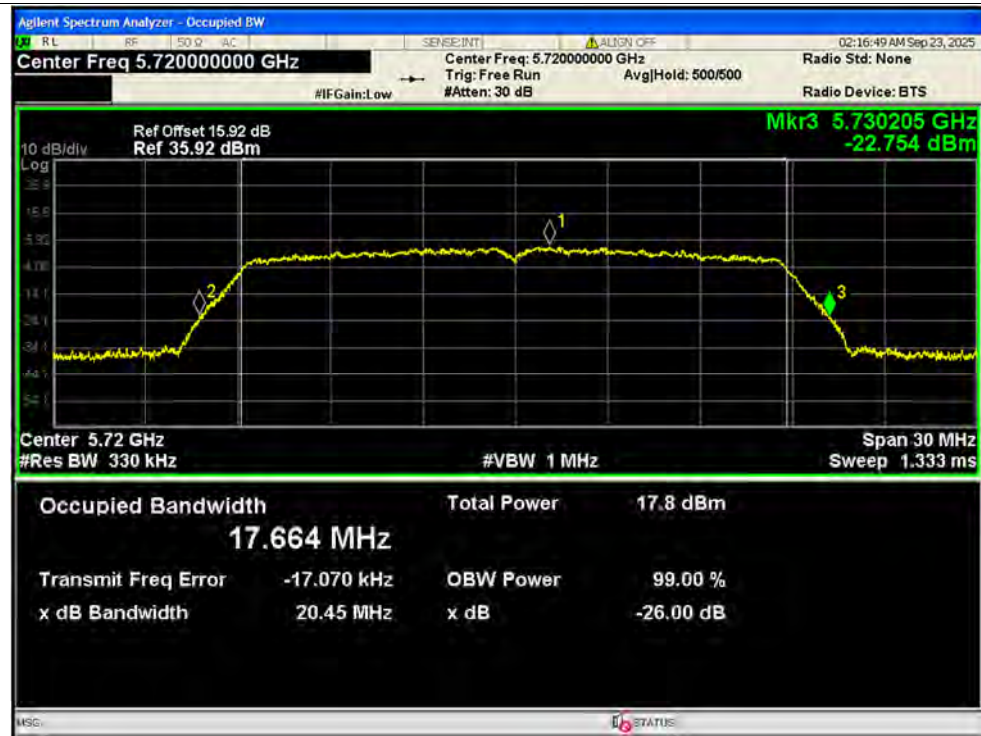
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-26dB Bandwidth NVNT ac20 5580MHz Ant1 SISO



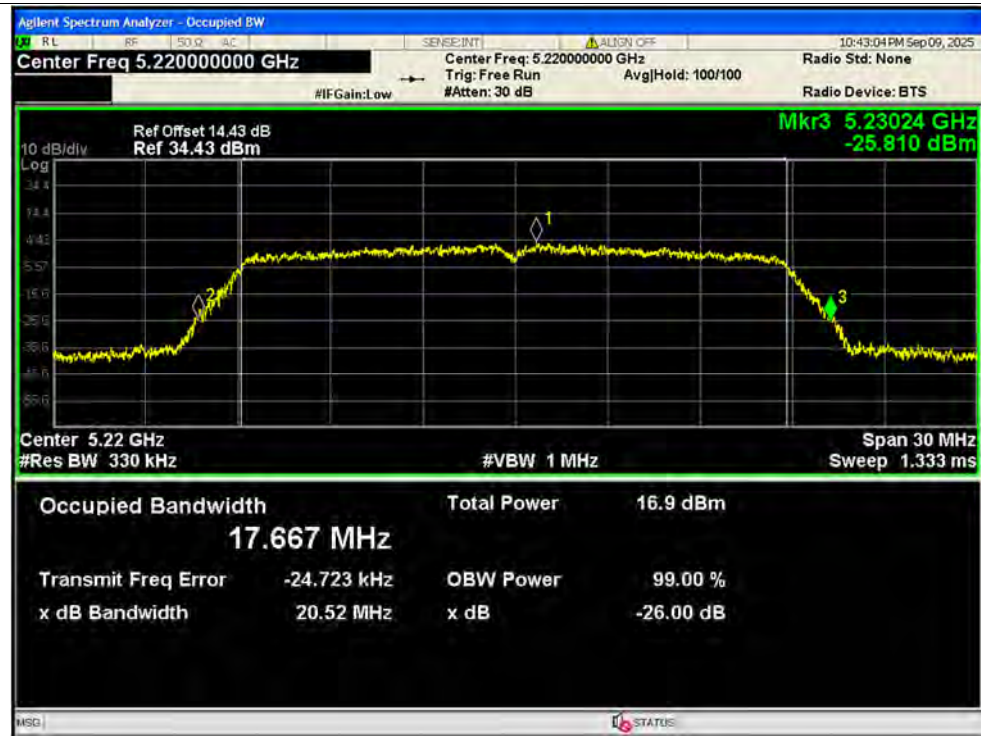
-26dB Bandwidth NVNT ac20 5720MHz Ant1 SISO



-26dB Bandwidth NVNT ac20 5180MHz Ant2 SISO



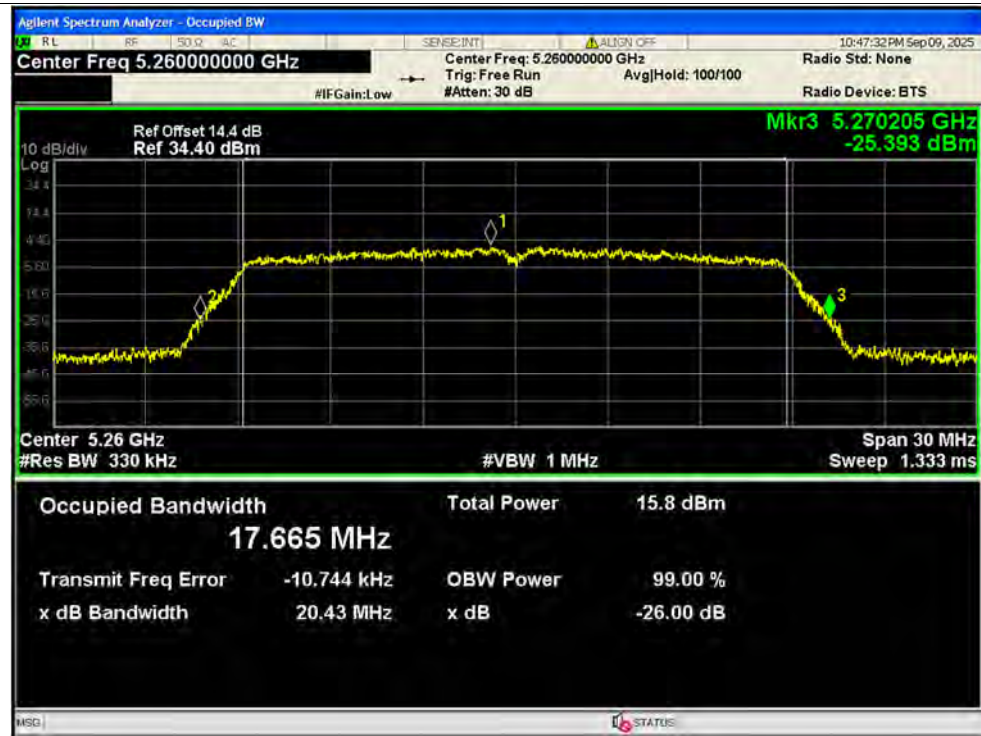
-26dB Bandwidth NVNT ac20 5220MHz Ant2 SISO



-26dB Bandwidth NVNT ac20 5240MHz Ant2 SISO



-26dB Bandwidth NVNT ac20 5260MHz Ant2 SISO



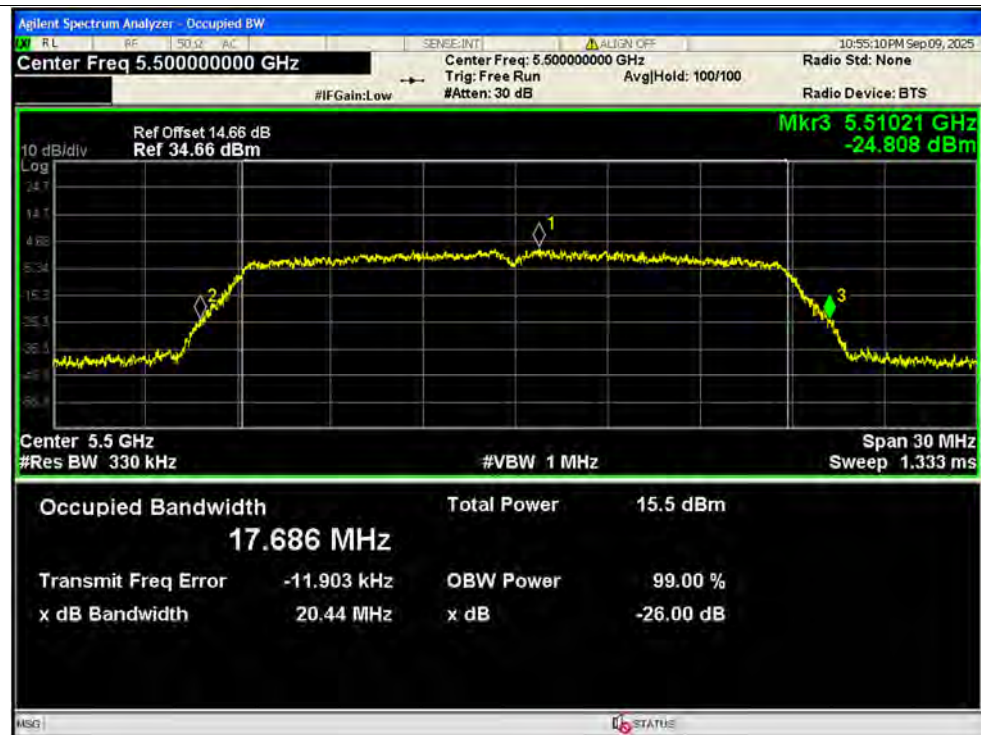
-26dB Bandwidth NVNT ac20 5300MHz Ant2 SISO



-26dB Bandwidth NVNT ac20 5320MHz Ant2 SISO



-26dB Bandwidth NVNT ac20 5500MHz Ant2 SISO



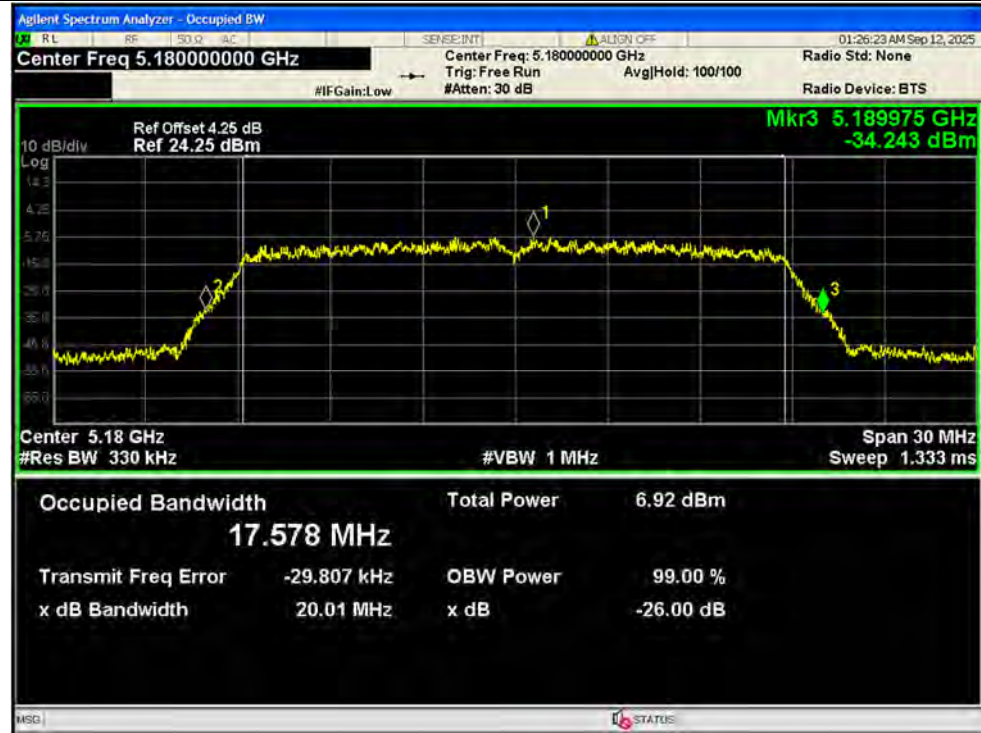
-26dB Bandwidth NVNT ac20 5580MHz Ant2 SISO



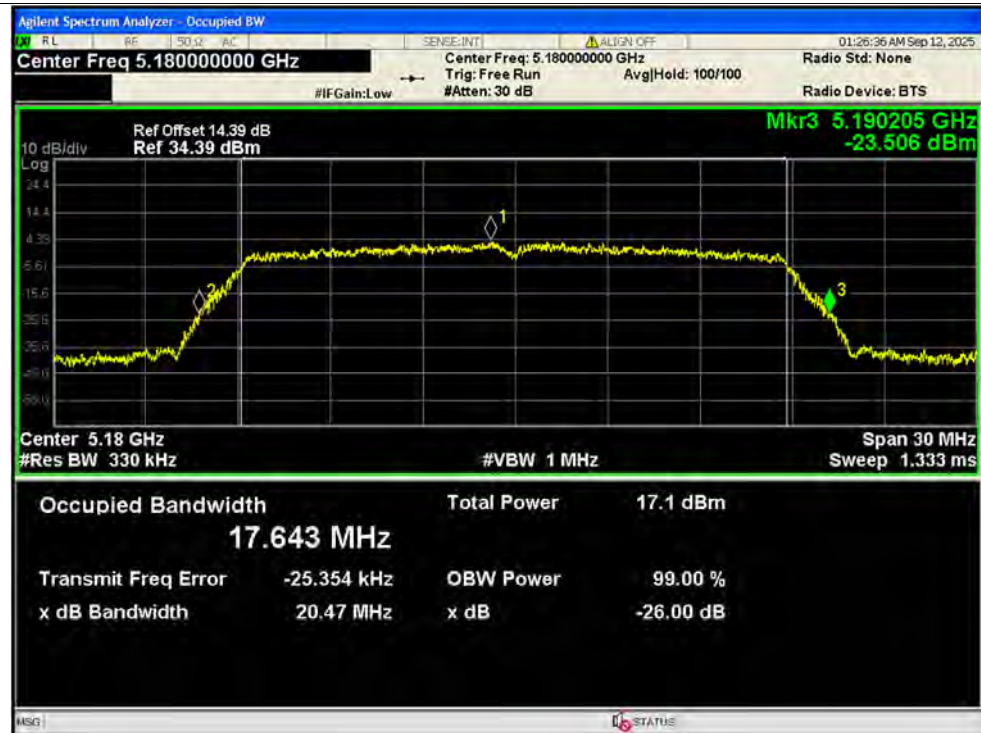
-26dB Bandwidth NVNT ac20 5720MHz Ant2 SISO



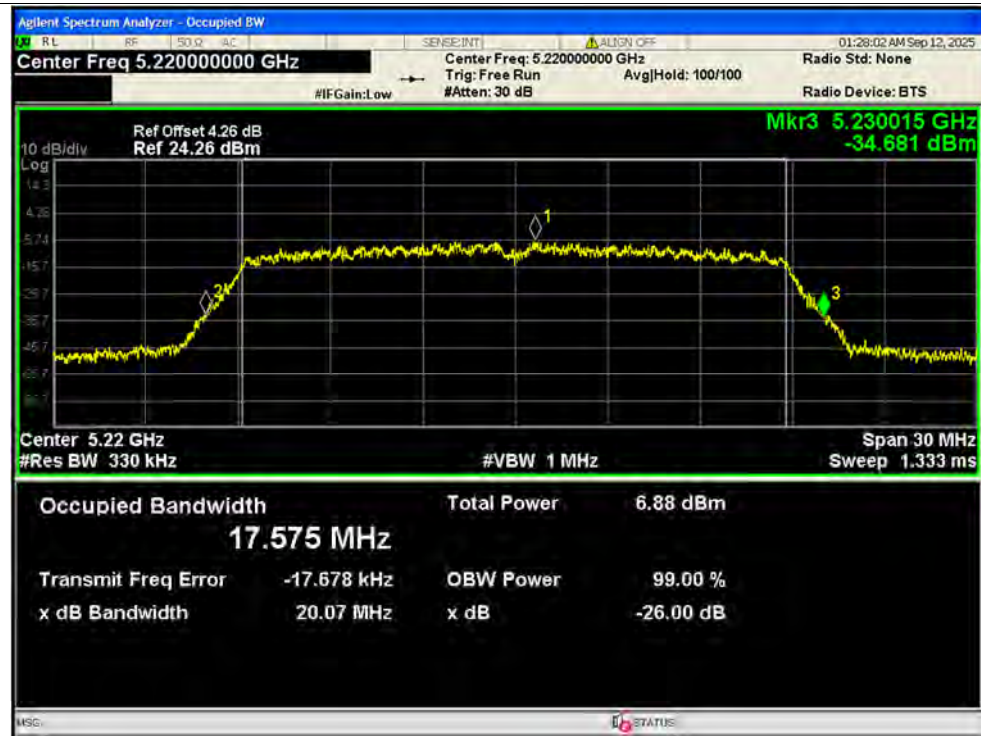
-26dB Bandwidth NVNT ac20 5180MHz Ant1 MIMO



-26dB Bandwidth NVNT ac20 5180MHz Ant2 MIMO



-26dB Bandwidth NVNT ac20 5220MHz Ant1 MIMO



-26dB Bandwidth NVNT ac20 5220MHz Ant2 MIMO





-26dB Bandwidth NVNT ac20 5240MHz Ant1 MIMO



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-26dB Bandwidth NVNT ac20 5260MHz Ant1 MIMO



-26dB Bandwidth NVNT ac20 5260MHz Ant2 MIMO



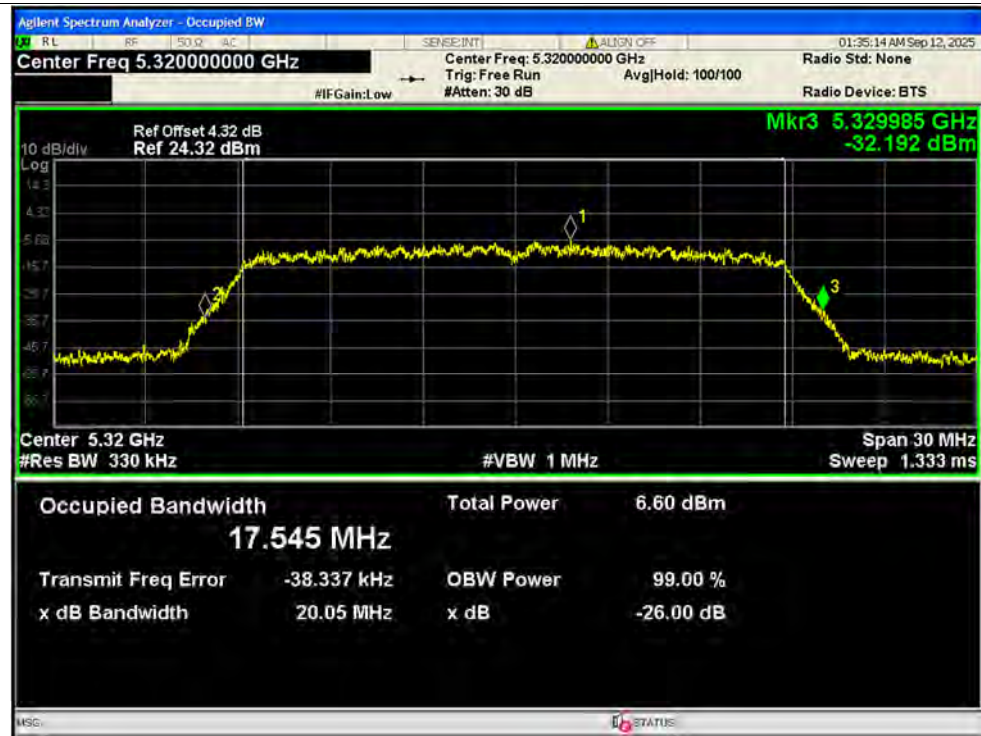
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-26dB Bandwidth NVNT ac20 5300MHz Ant2 MIMO



-26dB Bandwidth NVNT ac20 5320MHz Ant1 MIMO



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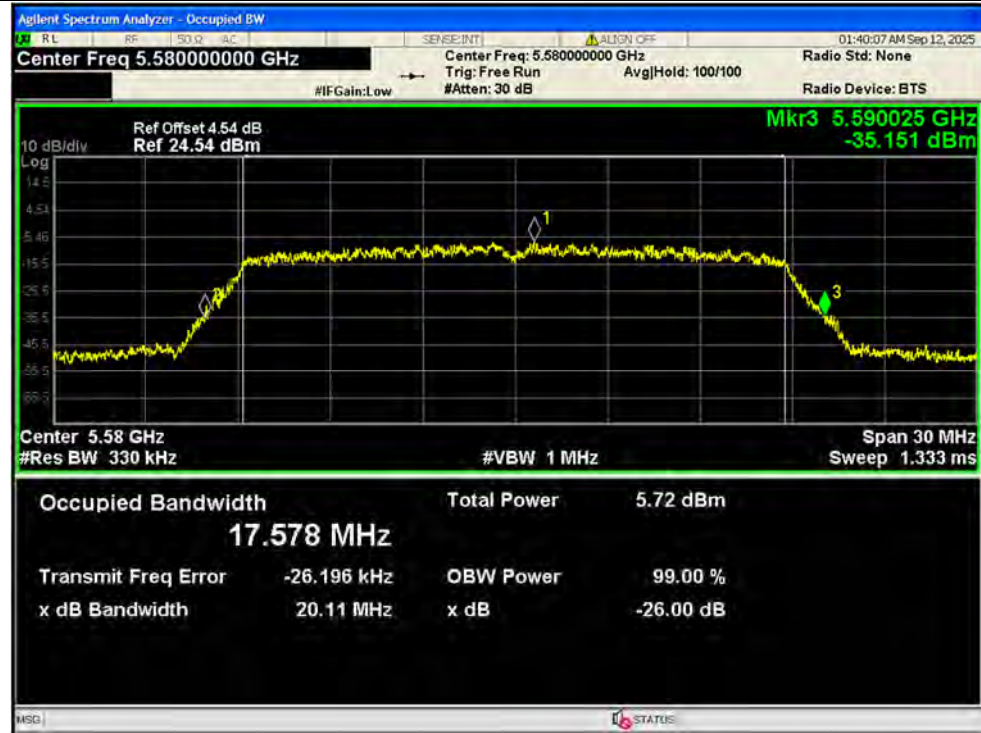
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-26dB Bandwidth NVNT ac20 5500MHz Ant2 MIMO



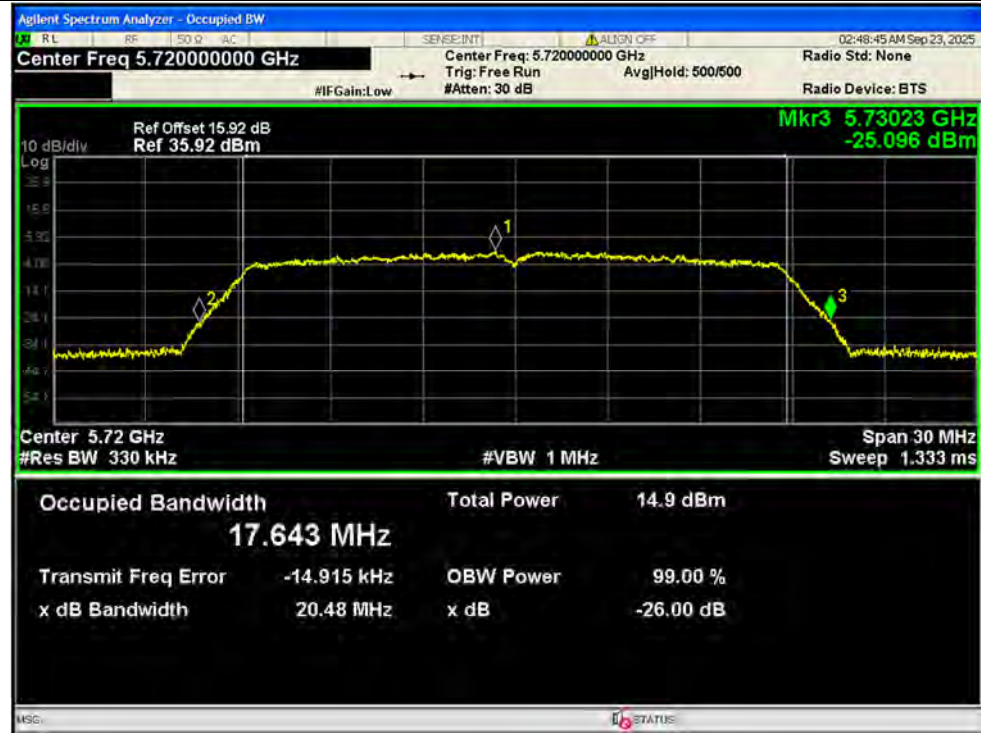
-26dB Bandwidth NVNT ac20 5580MHz Ant1 MIMO



-26dB Bandwidth NVNT ac20 5580MHz Ant2 MIMO



-26dB Bandwidth NVNT ac20 5720MHz Ant1 MIMO



-26dB Bandwidth NVNT ac20 5720MHz Ant2 MIMO



-26dB Bandwidth NVNT ac40 5190MHz Ant1 SISO



-26dB Bandwidth NVNT ac40 5230MHz Ant1 SISO





-26dB Bandwidth NVNT ac40 5270MHz Ant1 SISO



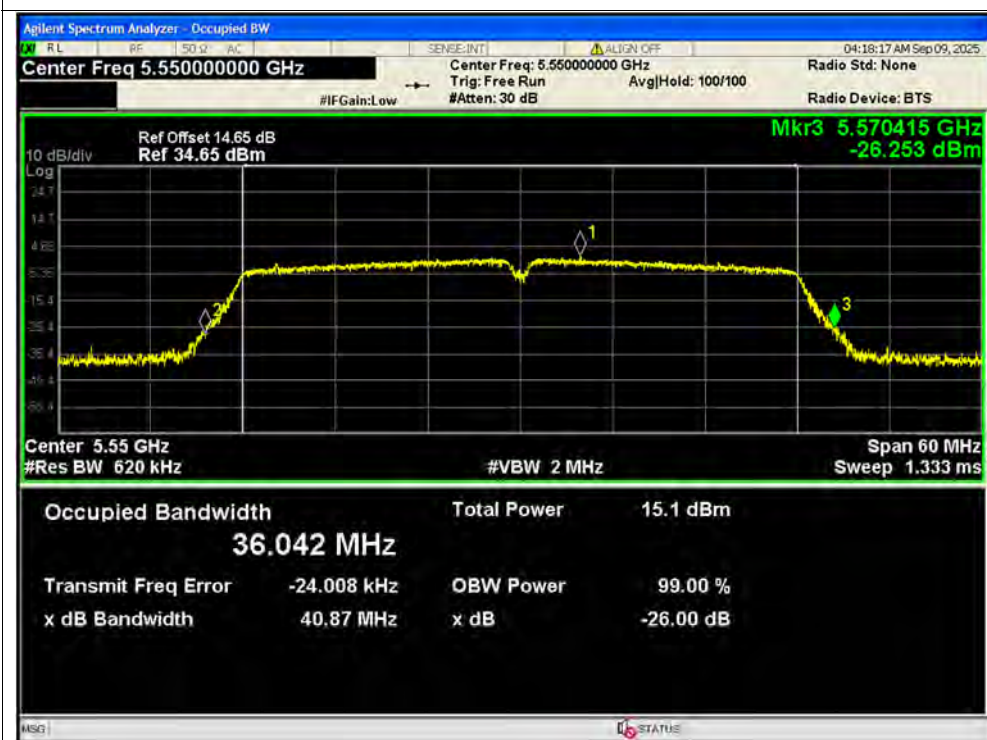
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-26dB Bandwidth NVNT ac40 5510MHz Ant1 SISO



-26dB Bandwidth NVNT ac40 5550MHz Ant1 SISO



-26dB Bandwidth NVNT ac40 5670MHz Ant1 SISO



-26dB Bandwidth NVNT ac40 5190MHz Ant2 SISO



-26dB Bandwidth NVNT ac40 5230MHz Ant2 SISO

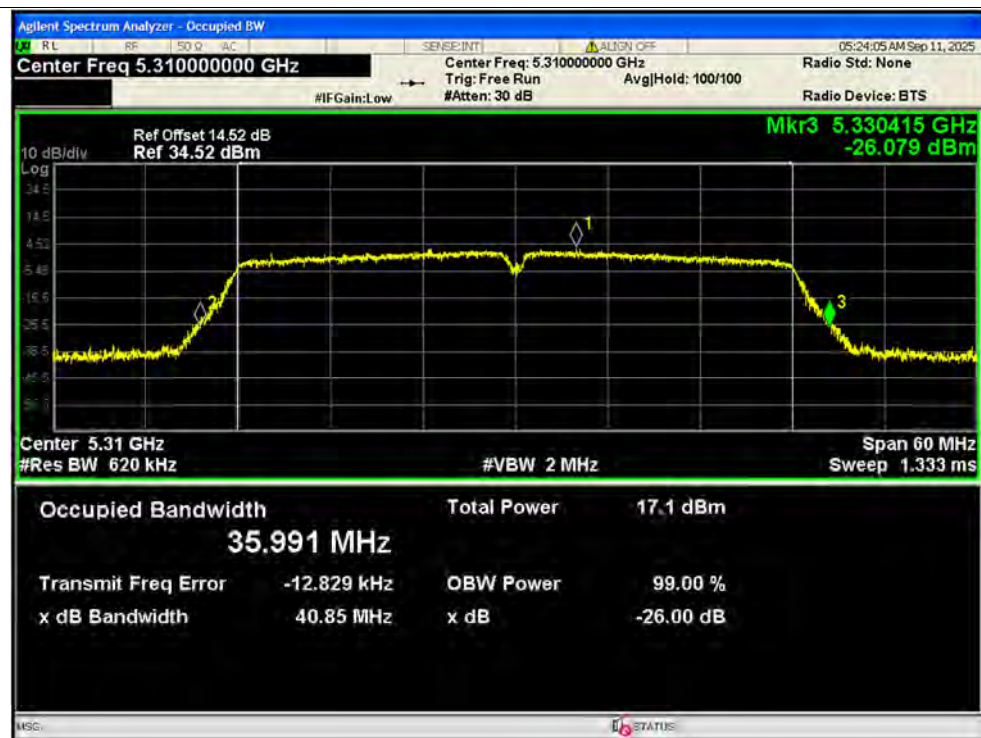


-26dB Bandwidth NVNT ac40 5270MHz Ant2 SISO





-26dB Bandwidth NVNT ac40 5310MHz Ant2 SISO



-26dB Bandwidth NVNT ac40 5510MHz Ant2 SISO



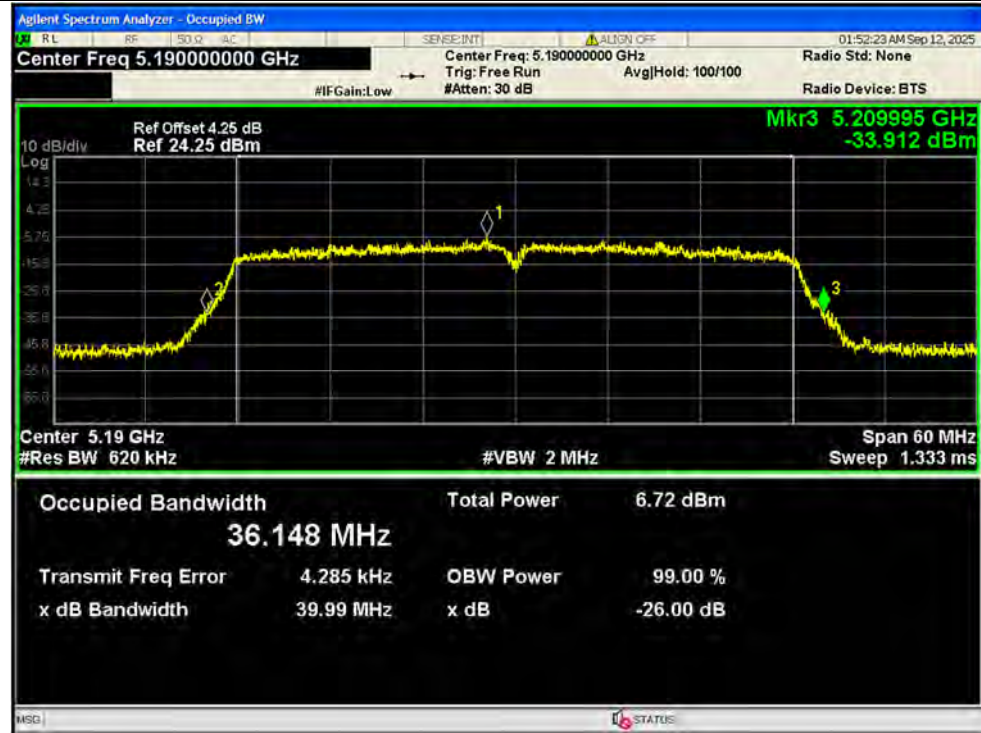
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-26dB Bandwidth NVNT ac40 5670MHz Ant2 SISO



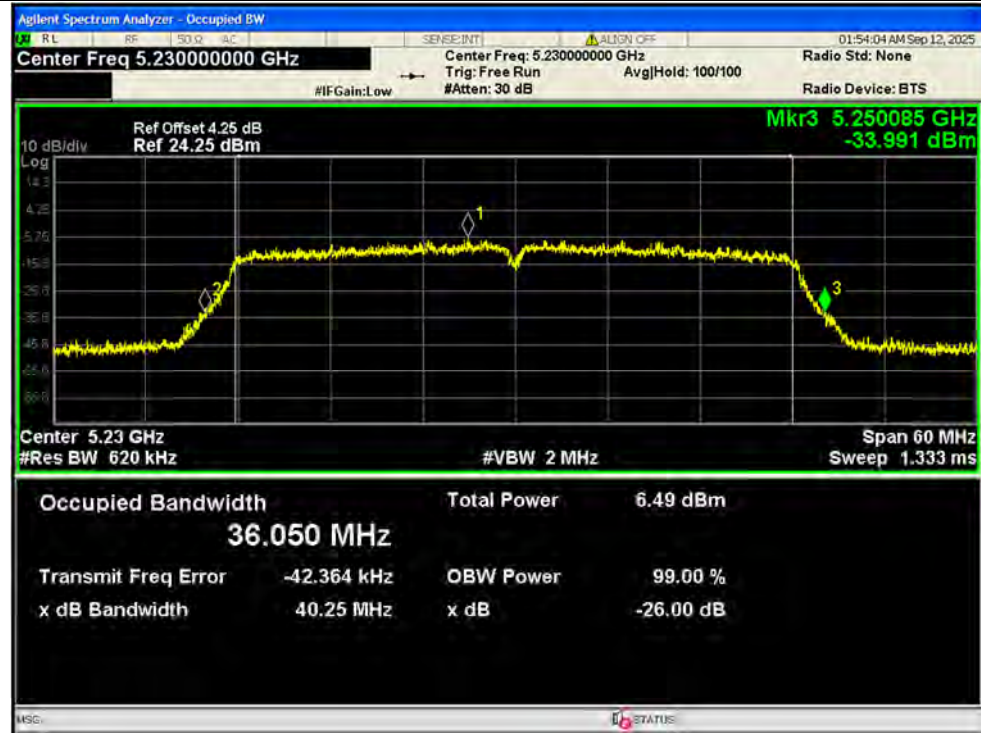
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-26dB Bandwidth NVNT ac40 5190MHz Ant2 MIMO



-26dB Bandwidth NVNT ac40 5230MHz Ant1 MIMO



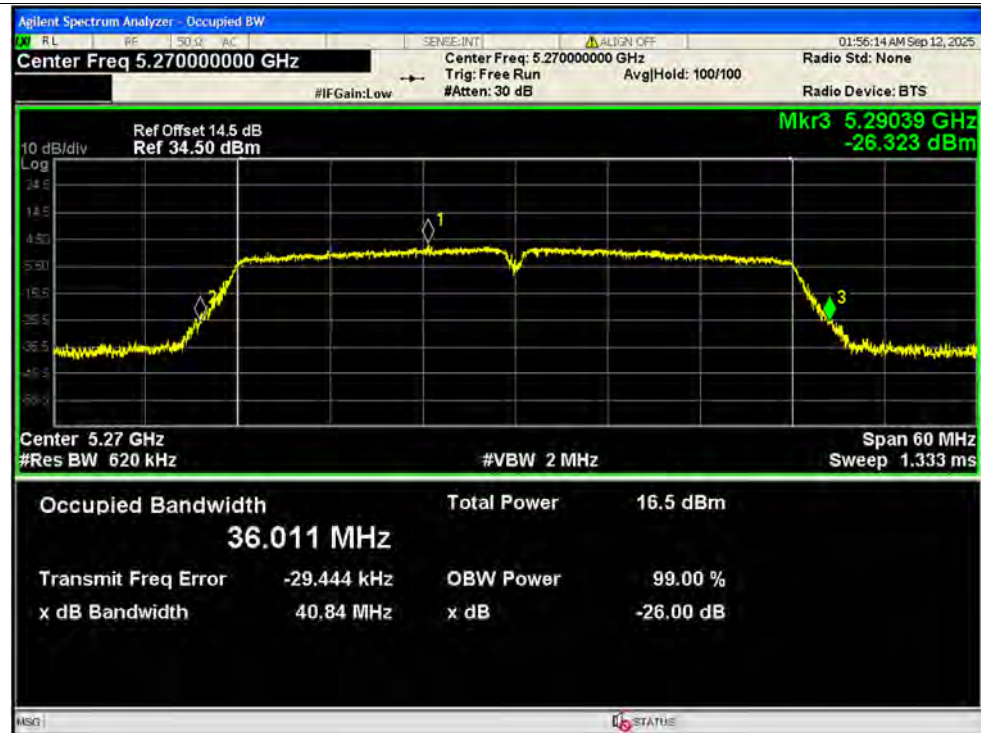
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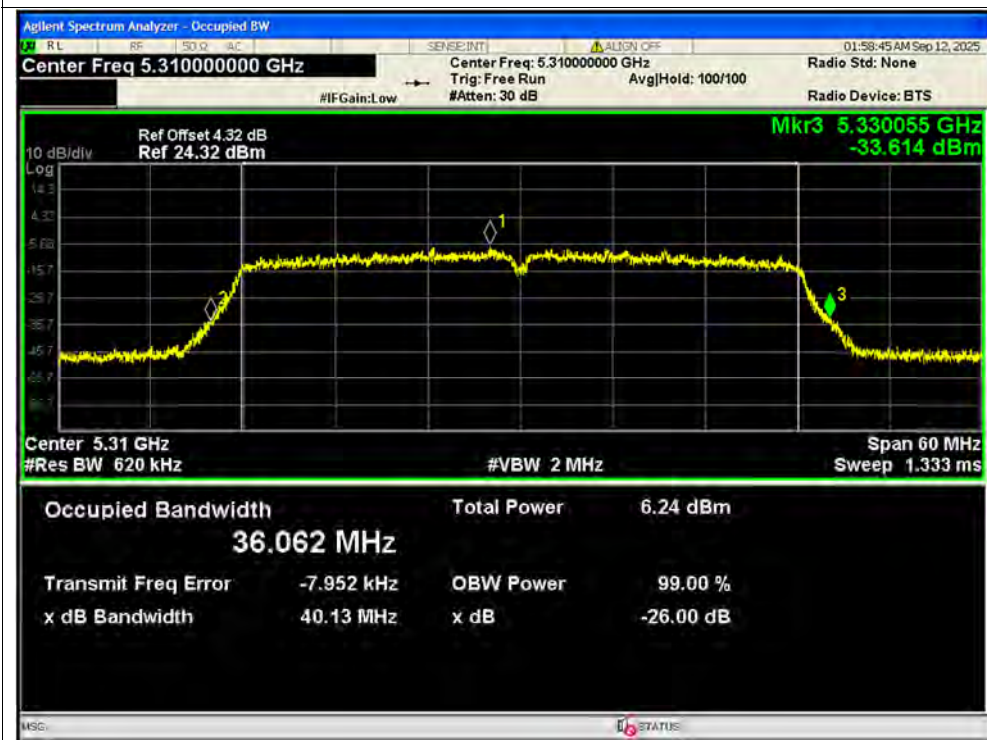
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-26dB Bandwidth NVNT ac40 5270MHz Ant2 MIMO



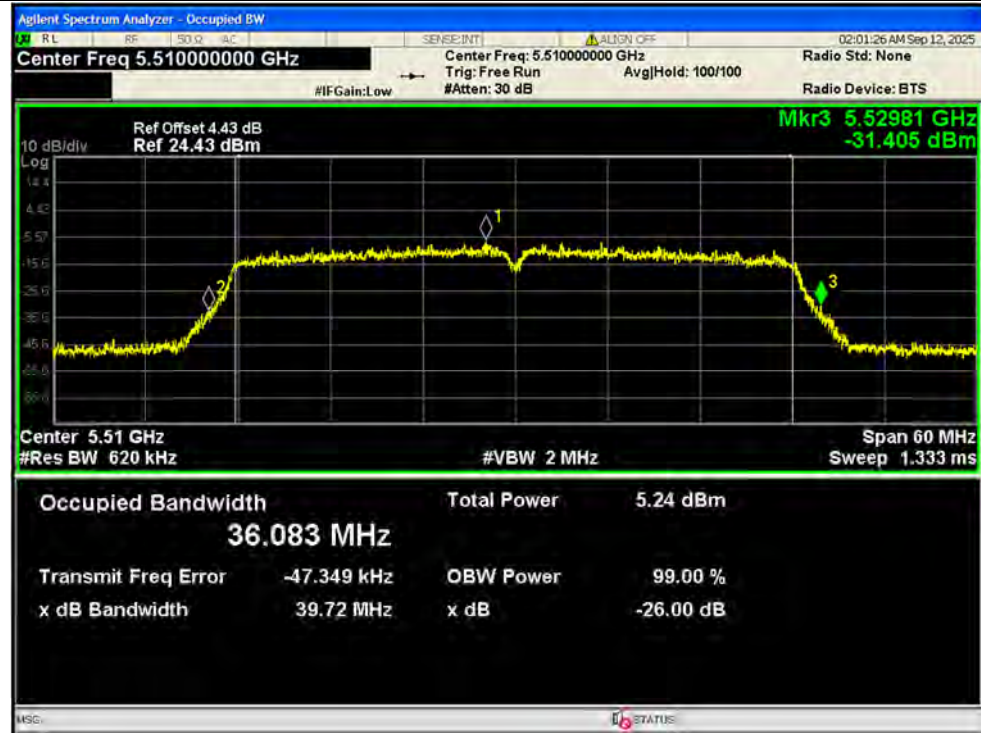
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-26dB Bandwidth NVNT ac40 5310MHz Ant2 MIMO



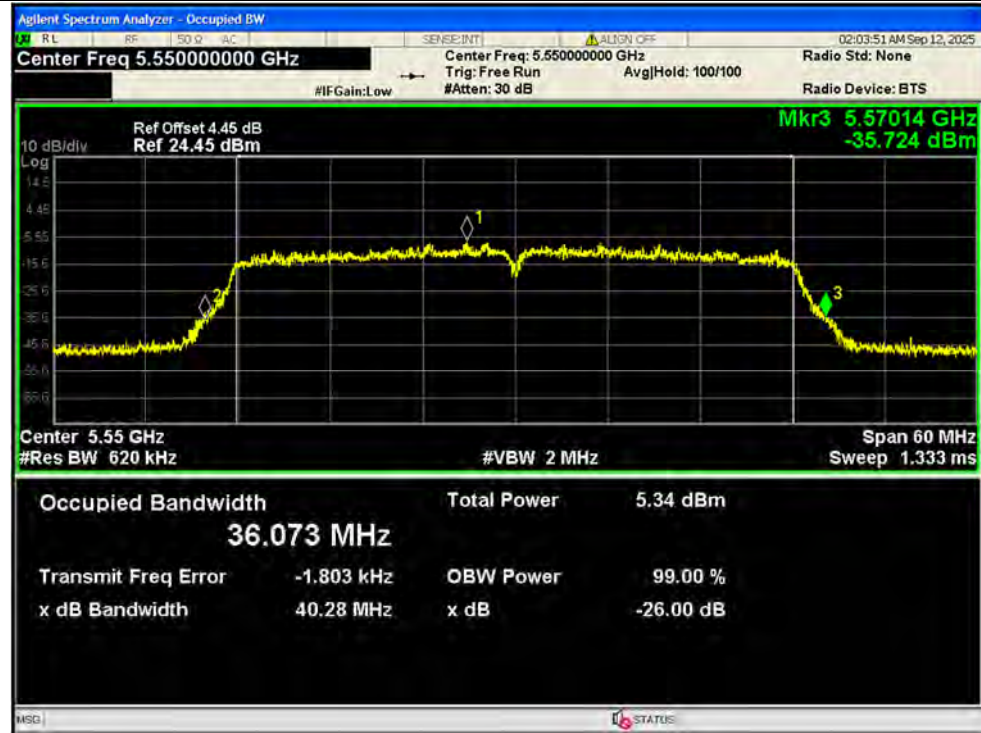
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-26dB Bandwidth NVNT ac40 5510MHz Ant2 MIMO



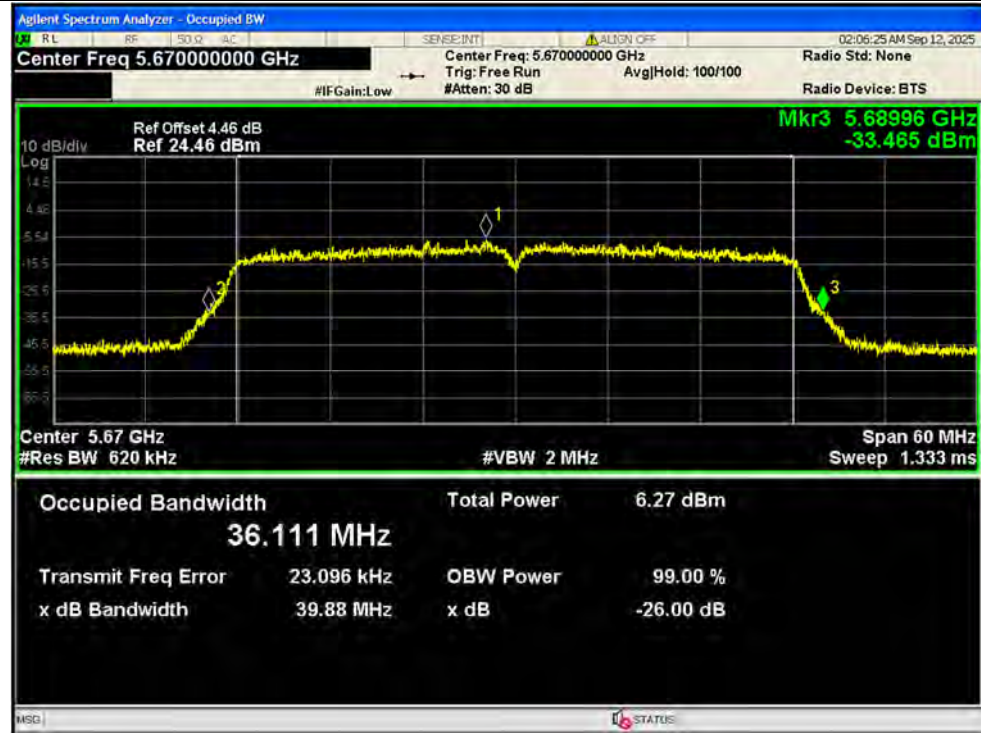
-26dB Bandwidth NVNT ac40 5550MHz Ant1 MIMO



-26dB Bandwidth NVNT ac40 5550MHz Ant2 MIMO



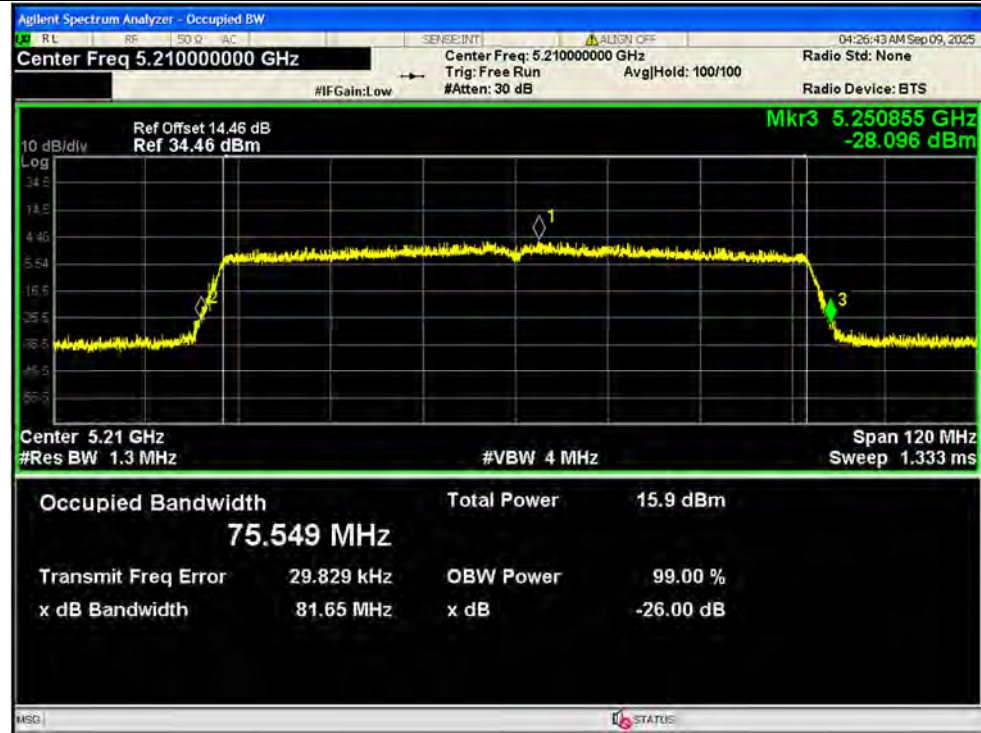
-26dB Bandwidth NVNT ac40 5670MHz Ant1 MIMO



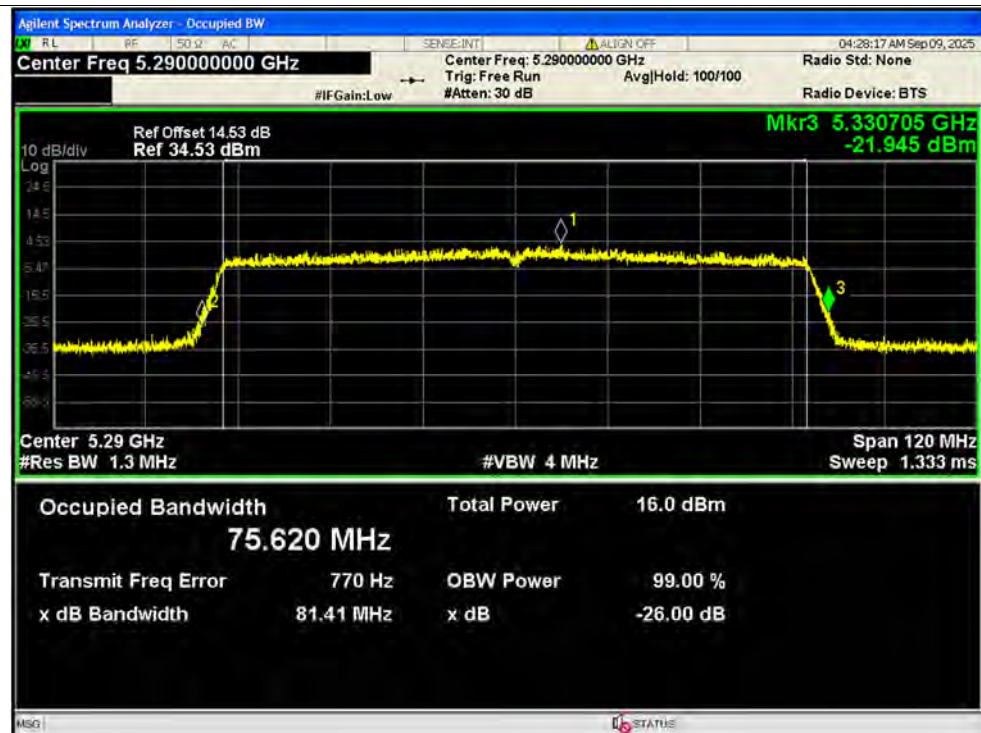
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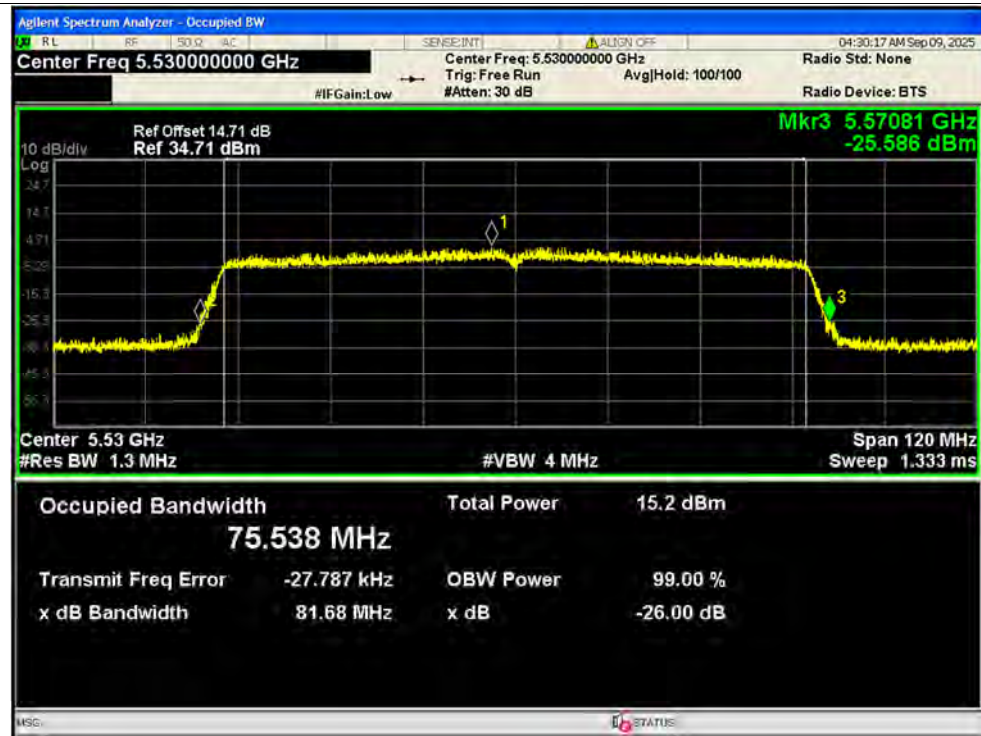
-26dB Bandwidth NVNT ac80 5210MHz Ant1 SISO



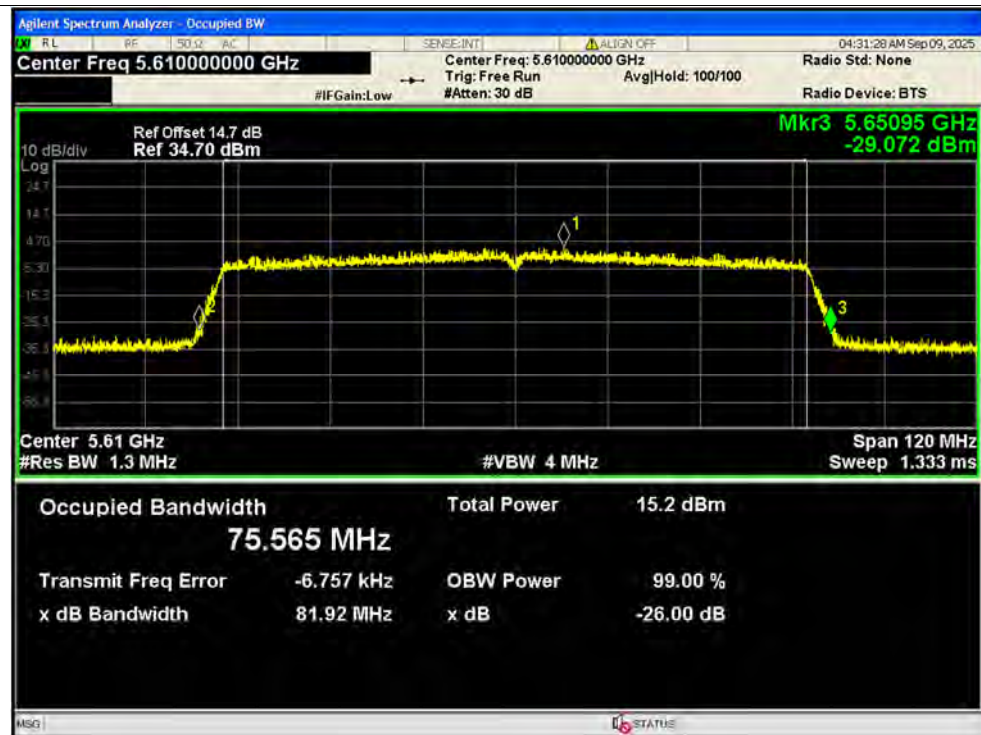
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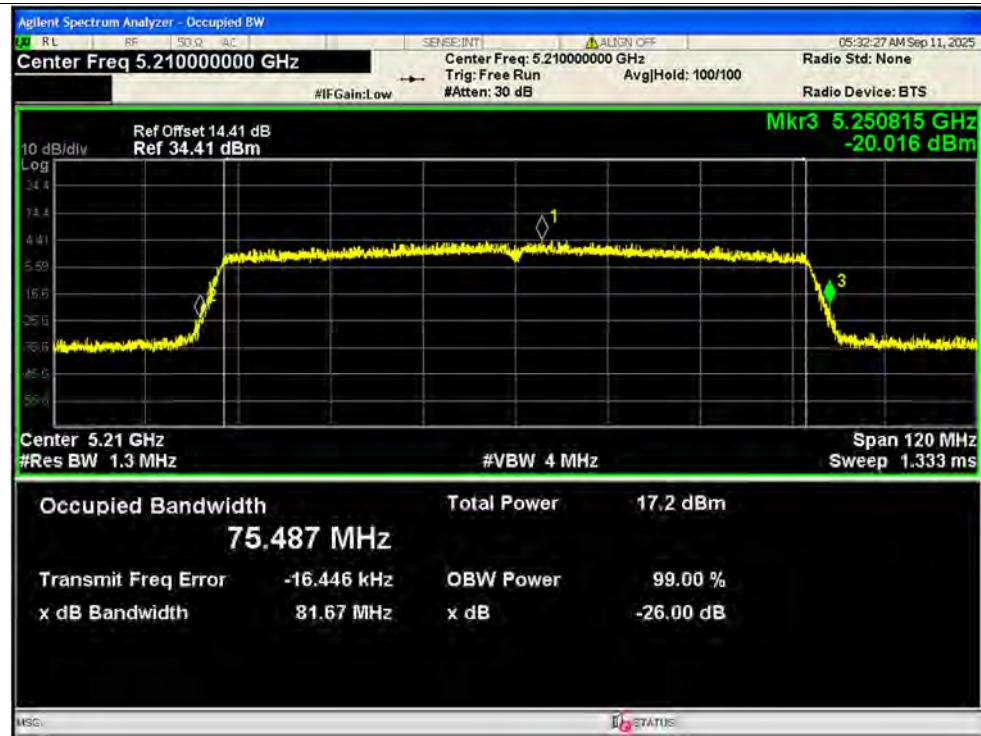
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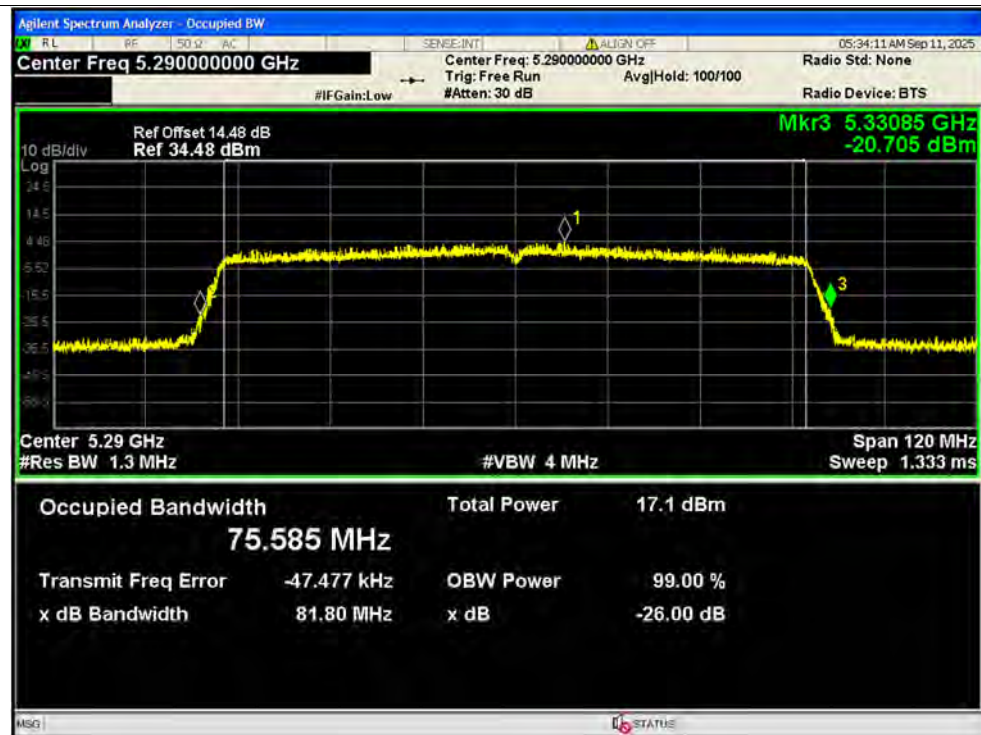
-26dB Bandwidth NVNT ac80 5610MHz Ant1 SISO



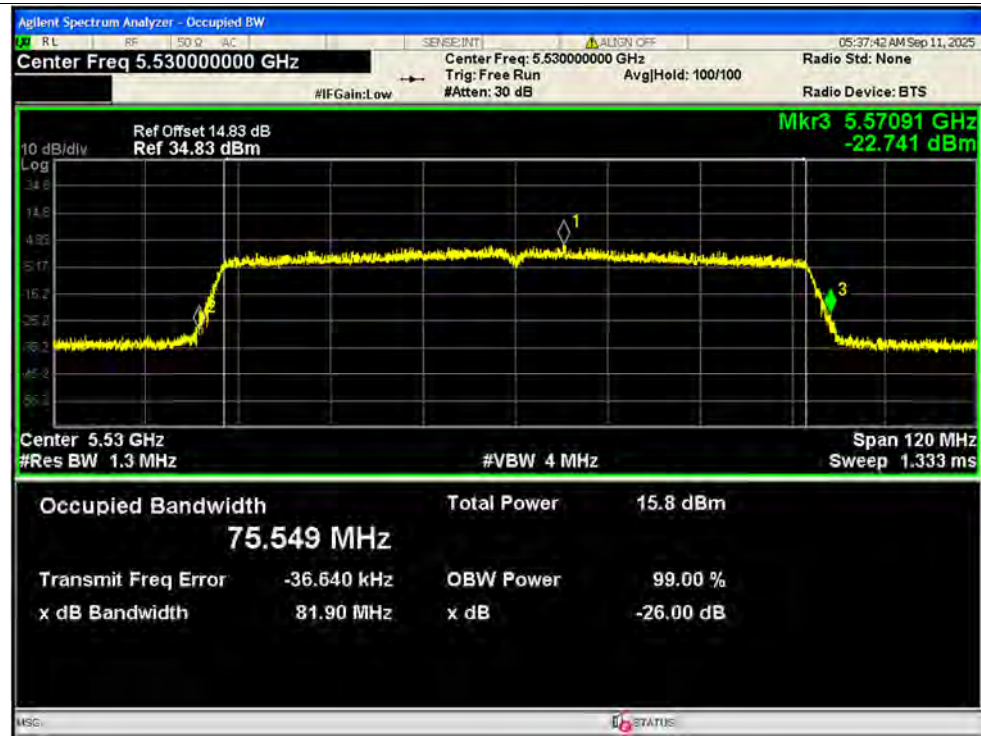
-26dB Bandwidth NVNT ac80 5210MHz Ant2 SISO



-26dB Bandwidth NVNT ac80 5290MHz Ant2 SISO



-26dB Bandwidth NVNT ac80 5530MHz Ant2 SISO



-26dB Bandwidth NVNT ac80 5610MHz Ant2 SISO

