



Report No: TW2412082-04E

Applicant: JOY MORE TRADE LIMITED

Product: STV player

Model No: STV S2 PRO, STV S3 PRO, STV S3 Ultra

Trademark:



Test Standards: FCC Part 15 Subpart E, Paragraph 15.407

Test result: It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10, FCC Part 15 Subpart C, Paragraph 15.247 regulations for the evaluation of electromagnetic compatibility

Approved By

Terry Tang

Manager

Dated: December 12, 2024

Results appearing herein relate only to the sample tested

The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



Special Statement:

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

CAB identifier: CN0033

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Test Report Conclusion

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1.0 General Details

1.1 Test Lab Details

Name : SHENZHEN TIMEWAY TESTING LABORATORIES.
Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China
Telephone: (755) 83448688
Fax: (755) 83442996

Site Listed with Federal Communications commission (FCC)

Registration Number: 744189

For 3m Anechoic Chamber

Site Listed with Industry Canada of Ottawa, Canada

Registration Number: IC: 5205A

For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: JOY MORE TRADE LIMITED
Address: ROOM 602, 6/F, KAI YUE COMMERCIAL BUILDING, NO.2C, ARGYLE STREET, MONGKOK KOWLOON, HONG KONG

1.3 Description of EUT

Product: STV player
Manufacturer: JOY MORE TRADE LIMITED
Address: ROOM 602, 6/F, KAI YUE COMMERCIAL BUILDING, NO.2C, ARGYLE STREET, MONGKOK KOWLOON, HONG KONG
Trademark:



Additional Trademark: N/A
Model Number: STV S2 PRO
Additional Model Number: STV S3 PRO, STV S3 Ultra
Hardware Version: V2.0
Software Version: V2.0
Rating: Input: DC5.0V, 2A
Power Supply: Model: OL010-0502000U
Input: 100-240V~, 50/60Hz, 0.45A; Output: DC5V, 2A
Type of Modulation IEEE 802.11a/n (HT20/HT40): OFDM (64QAM, 16QAM, QPSK, BPSK);
IEEE 802.11ac: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM)
IEEE 802.11ax: OFDM (BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM, 1024-QAM)
Frequency Band 1: 5180MHz-5240MHz;
Band 4: 5745MHz-5825MHz
Air Data Rate IEEE 802.11a: 54, 48, 36, 24, 18, 12, 9, 6 Mbps

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IEEE 802.11n/HT20: mcs0-mcs7
IEEE 802.11n/HT40: mcs0-mcs7
IEEE 802.11ac (VHT20, VHT40): NSS1 mcs0-mcs9
IEEE 802.11ax (HEW20, HEW40): mcs0-mcs11

Antenna: FPC antenna used. The gain of the antennas is 2.49dBi maximum. (Get from the antenna specification provided the applicant)

Test Mode: During testing, EUT was set to 100% duty cycle. 6Mbps air data rate was the worst case for 802.11a mode; mcs0 air data rate was the worst case for 802.11n mode; mcs0 air data rate was the worst case for 802.11ac and 802.11ax mode;

Frequency Selection By software

Each Channel Operation Frequency

| Band 1 | | | |
|---|-----------|---|-----------|
| 802.11a / 11n HT20 /802.11ac VHT20/ 802.11ac HEW20 | | 802.11n HT40 /802.11ac VHT40/ 802.11ax HEW40 | |
| Channel | Frequency | Channel | Frequency |
| 36 | 5180 MHz | 38 | 5190 MHz |
| 40 | 5200 MHz | 46 | 5230 MHz |
| 44 | 5220 MHz | | |
| 48 | 5240 MHz | | |
| Band 4 | | | |
| 802.11a / 11n HT20 /802.11ac VHT20/ 802.11ac HEW20 | | 802.11n HT40 /802.11ac VHT40/ 802.11ax HEW40 | |
| Channel | Frequency | Channel | Frequency |
| 149 | 5745 MHz | 151 | 5755 MHz |
| 153 | 5765 MHz | 159 | 5795 MHz |
| 157 | 5785 MHz | | |
| 161 | 5825 MHz | | |

The selected test channels as follows:

| Band 1 | | | |
|--------------------|-----------|--------------|-----------|
| 802.11a / 11n HT20 | | 802.11n HT40 | |
| Channel | Frequency | Channel | Frequency |
| 36 | 5180MHz | 38 | 5190 MHz |
| 40 | 5200 MHz | 46 | 5230 MHz |
| 48 | 5240 MHz | | |
| Band 4 | | | |
| 802.11a / 11n HT20 | | 802.11n HT40 | |

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| Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|
| 149 | 5745 MHz | 151 | 5755 MHz |
| 153 | 5765 MHz | 159 | 5795 MHz |
| 161 | 5825 MHz | | |

Note: 802.11ac VHT20/VHT40 and 802.11ax HEW20/HEW40 is similar with 802.11n HT20/HT40.

1.4 Submitted Sample:2 Samples

1.5 Test Duration

2024-12-02 to 2024-12-12

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty =6.0dB

Occupied Channel Bandwidth Uncertainty =5%

Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

Print Name: Andy Xing

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2.0 Test Equipment

| Instrument Type | Manufacturer | Model | Serial No. | Date of Cal. | Due Date |
|--------------------|--------------|------------------|--------------|--------------|------------|
| ESPI Test Receiver | R&S | ESPI 3 | 100379 | 2024-07-12 | 2025-07-11 |
| LISN | R&S | EZH3-Z5 | 100294 | 2024-07-12 | 2025-07-11 |
| LISN | R&S | EZH3-Z5 | 100253 | 2024-07-12 | 2025-07-11 |
| Impuls-Begrenzer | R&S | ESH3-Z2 | 100281 | 2024-07-12 | 2025-07-11 |
| Loop Antenna | EMCO | 6507 | 00078608 | 2022-07-18 | 2025-07-17 |
| Spectrum | R&S | FSIQ26 | 100292 | 2024-07-12 | 2025-07-11 |
| Horn Antenna | A-INFO | LB-180400-KF | J211060660 | 2022-07-18 | 2025-07-17 |
| Horn Antenna | R&S | BBHA 9120D | 9120D-631 | 2022-07-18 | 2025-07-17 |
| Power meter | Anritsu | ML2487A | 6K00003613 | 2024-07-12 | 2025-07-11 |
| Power sensor | Anritsu | MA2491A | 32263 | 2024-07-12 | 2025-07-11 |
| Bilog Antenna | Schwarebeck | VULB9163 | 9163/340 | 2022-07-18 | 2025-07-17 |
| 9*6*6 Anechoic | -- | -- | N/A | 2022-07-26 | 2025-07-25 |
| EMI Test Receiver | RS | ESVB | 826156/011 | 2024-07-12 | 2025-07-11 |
| EMI Test Receiver | RS | ESCS 30 | 834115/006 | 2024-07-12 | 2025-07-11 |
| Spectrum | HP/Agilent | E4407B | MY50441392 | 2024-07-12 | 2025-07-11 |
| Spectrum | RS | FSP | 1164.4391.38 | 2024-07-12 | 2025-07-11 |
| RF Cable | Zhengdi | ZT26-NJ-NJ-8M/FA | -- | 2024-07-12 | 2025-07-11 |
| RF Cable | Zhengdi | 7m | -- | 2024-07-12 | 2025-07-11 |
| Pre-Amplifier | Schwarebeck | BBV9743 | #218 | 2024-07-12 | 2025-07-11 |
| Pre-Amplifier | HP/Agilent | 8449B | 3008A00160 | 2024-07-12 | 2025-07-11 |
| LISN | SCHAFFNER | NNB42 | 00012 | 2024-07-12 | 2025-07-11 |
| ESPI Test Receiver | R&S | ESPI 3 | 100379 | 2024-07-12 | 2025-07-11 |
| LISN | R&S | EZH3-Z5 | 100294 | 2024-07-12 | 2025-07-11 |

2.2 Automation Test Software

For Conducted Emission Test

| Name | Version |
|--------|-------------------|
| EZ-EMC | Ver.EMC-CON 3A1.1 |

For Radiated Emissions

| Name | Version |
|---|---------|
| EMI Test Software BL410-EV18.91 | V18.905 |
| EMI Test Software BL410-EV18.806 High Frequency | V18.06 |

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3.0 Technical Details

3.1 Summary of test results

| The EUT has been tested according to the following specifications: | | | |
|---|---|---------------|-----------------|
| Standard | Test Type | Result | Notes |
| FCC Part 15, Paragraph 15.407 | Conducted Emission Test | Pass | Complies |
| FCC Part 15 Subpart E Paragraph 15.407 (b1/4/5/6/7), Part 15.205 and Part 15.209 | Undesirable Emission and Restrict band | Pass | Complies |
| FCC Part 15, Paragraph 15.407 (a1/2/3) | Peak Transmit Power | Pass | Complies |
| FCC Part 15, Paragraph 15.407 (a)(6) | Peak Power Excursion | Pass | Complies |
| FCC Part 15, Paragraph 15.407 (a1/2/3) | Peak Power Spectral Density | Pass | Complies |
| FCC Part 15, Paragraph 15.407(g) | Frequency Stability | Pass | Complies |

3.2 Test Standards

**FCC Part 15 Subpart & Subpart C, Paragraph 15.247, ANSI C63.10 :2013 and ANSI C63.4 :2014
789033 D02 General UNII Test Procedures New Rules v01r04**

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

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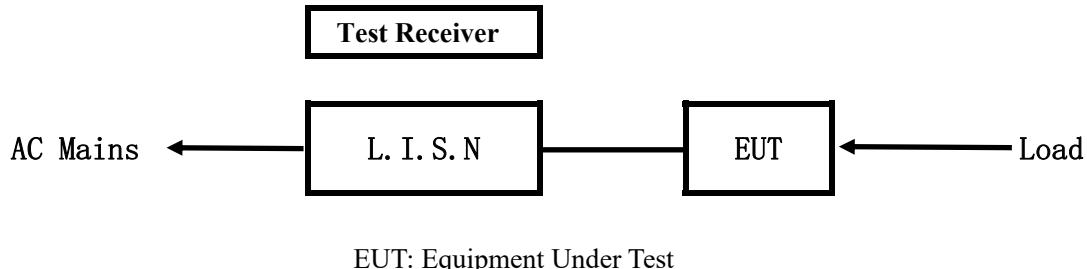
This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for advertising. The client to whom the report is issued may, however, show or send it, or a certified copy thereof prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES, to his customer, supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

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5. Power Line Conducted Emission Test

5.1 Schematics of the test

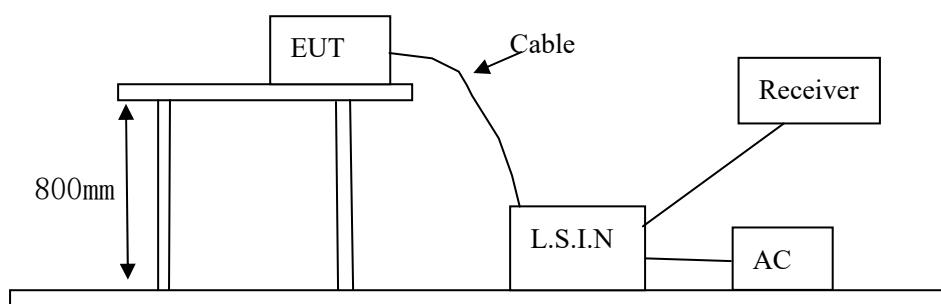


5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2009. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2013.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

| Device | Manufacturer | Model | FCC ID |
|------------|------------------------|--------------------------------------|-----------|
| STV player | JOY MORE TRADE LIMITED | STV S2 PRO, STV S3 PRO, STV S3 Ultra | 2BMHL2PRO |

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B. Internal Device

| Device | Manufacturer | Model | Rating |
|--------|--------------|-------|--------|
| | | | |

C. Peripherals

| Device | Manufacturer | Model | Rating |
|--------|--------------|-------|--------|
| -- | -- | -- | -- |

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10 -2013.

A Setup the EUT and simulators as shown on follow
B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

| Frequency (MHz) | Limits (dB μ V) | |
|--------------------|---------------------|---------------|
| | Quasi-peak Level | Average Level |
| 0.15 ~ 0.50 | 66.0~56.0* | 56.0~46.0* |
| 0.50 ~ 5.00 | 56.0 | 46.0 |
| 5.00 ~ 30.00 | 60.0 | 50.0 |

Notes: 1. *Decreasing linearly with logarithm of frequency.
2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

Note: Only the worst case was recorded in the test report.

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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

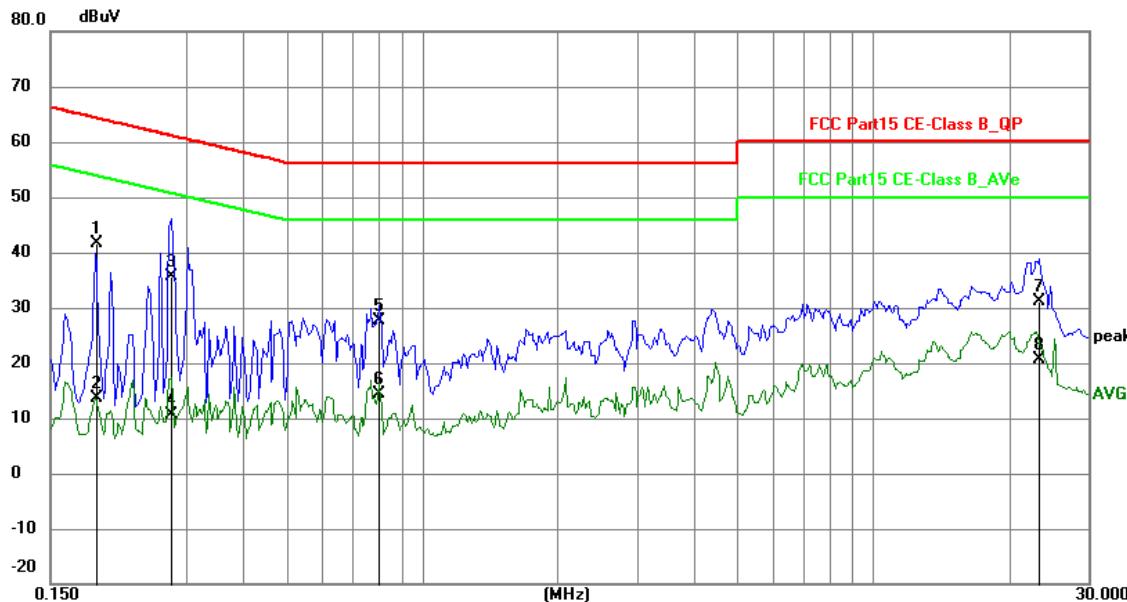
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keeping WIFI Transmitting

Results: Pass

Please refer to following diagram for individual



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|
| 1 | 0.1890 | 31.25 | 10.32 | 41.57 | 64.08 | -22.51 | QP | P |
| 2 | 0.1890 | 3.34 | 10.32 | 13.66 | 54.08 | -40.42 | AVG | P |
| 3 | 0.2787 | 25.35 | 10.34 | 35.69 | 60.85 | -25.16 | QP | P |
| 4 | 0.2787 | 0.30 | 10.34 | 10.64 | 50.85 | -40.21 | AVG | P |
| 5 | 0.8013 | 17.05 | 10.47 | 27.52 | 56.00 | -28.48 | QP | P |
| 6 | 0.8013 | 4.01 | 10.47 | 14.48 | 46.00 | -31.52 | AVG | P |
| 7 | 23.3541 | 15.42 | 15.71 | 31.13 | 60.00 | -28.87 | QP | P |
| 8 | 23.3541 | 4.90 | 15.71 | 20.61 | 50.00 | -29.39 | AVG | P |

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

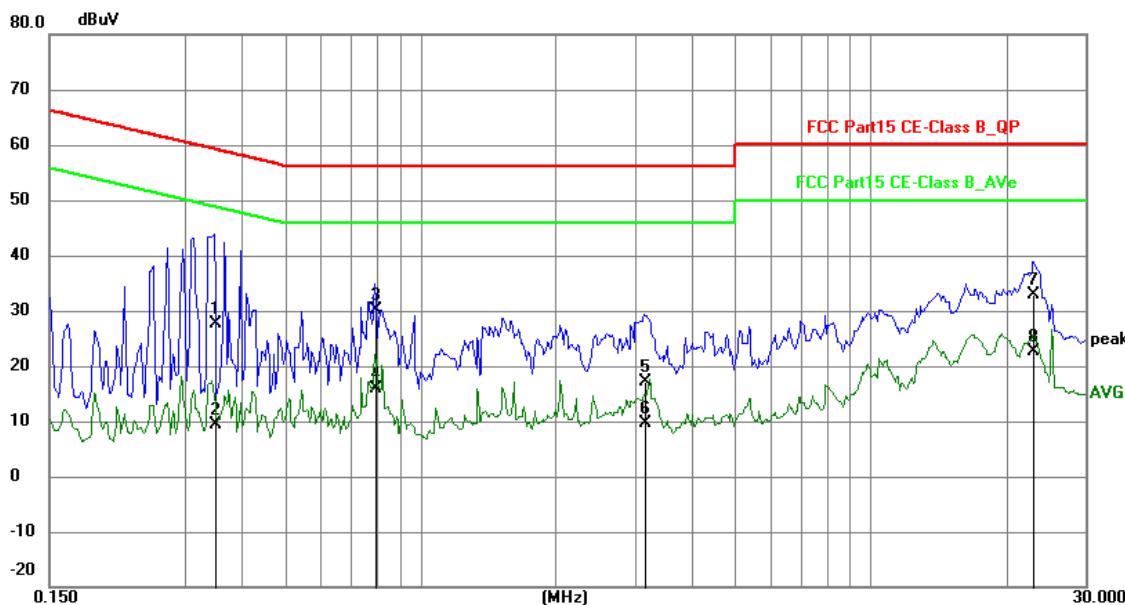
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keeping WIFI Transmitting

Results: Pass

Please refer to following diagram for individual



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F |
|-----|-----------------|----------------|-------------|--------------|--------------|-------------|----------|-----|
| 1 | 0.3489 | 17.27 | 10.36 | 27.63 | 58.99 | -31.36 | QP | P |
| 2 | 0.3489 | -0.87 | 10.36 | 9.49 | 48.99 | -39.50 | AVG | P |
| 3 | 0.7935 | 19.75 | 10.47 | 30.22 | 56.00 | -25.78 | QP | P |
| 4 | 0.7935 | 5.34 | 10.47 | 15.81 | 46.00 | -30.19 | AVG | P |
| 5 | 3.1443 | 5.37 | 11.73 | 17.10 | 56.00 | -38.90 | QP | P |
| 6 | 3.1443 | -2.21 | 11.73 | 9.52 | 46.00 | -36.48 | AVG | P |
| 7 | 23.0109 | 17.22 | 15.78 | 33.00 | 60.00 | -27.00 | QP | P |
| 8 | 23.0109 | 6.78 | 15.78 | 22.56 | 50.00 | -27.44 | AVG | P |

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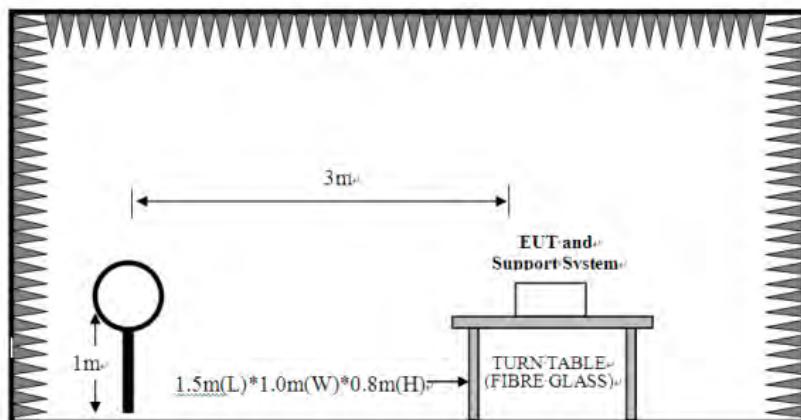
6 Undesirable Emission and Restrict band

6.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway Laboratory. This site is on file with the FCC laboratory division, Registration No.744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 40 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=1MHz, VBW=3MHz and PK detector. Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a “QP” in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



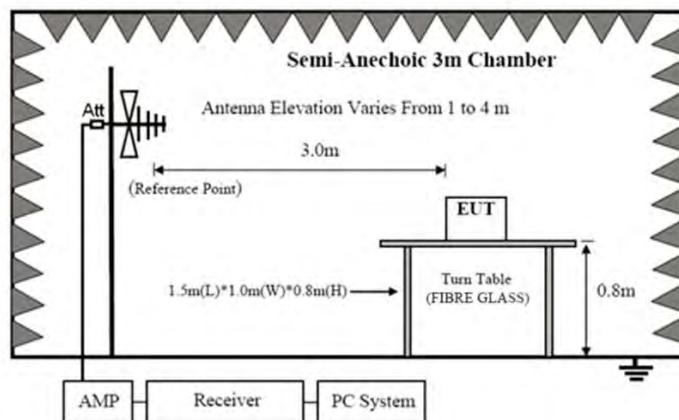
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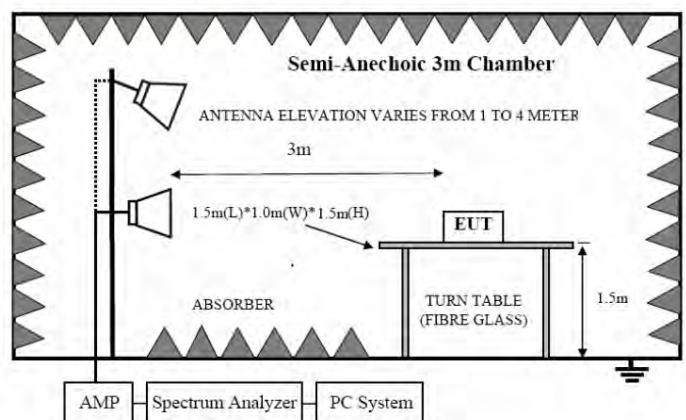
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For radiated emissions from 30MHz to 1GHz



For radiated emissions above 1GHz



6.2 Configuration of The EUT

Same as section 5.3 of this report

6.3 EUT Operating Condition

Same as section 5.4 of this report.

6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

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Frequencies in restricted band are complied to limit on Paragraph 15.209

| Frequency Range (MHz) | Distance (m) | Field strength (dB μ V/m) |
|-----------------------|--------------|-------------------------------|
| 30-88 | 3 | 40.0 |
| 88-216 | 3 | 43.5 |
| 216-960 | 3 | 46.0 |
| Above 960 | 3 | 54.0 |

- (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 5.725-5.825 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 EIRP of -17dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27dBm/MHz.

Note:

1. RF Voltage (dBuV) = $20 \log_{10}$ RF Voltage (uV)
2. In the Above Table, the higher limit applies at the band edges.
3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

Note: Only the worst case was recorded in the test report.

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Test result

General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keeping WIFI Transmitting

Results: **Pass**

The report refers only to the sample tested and does not apply to the bulk.

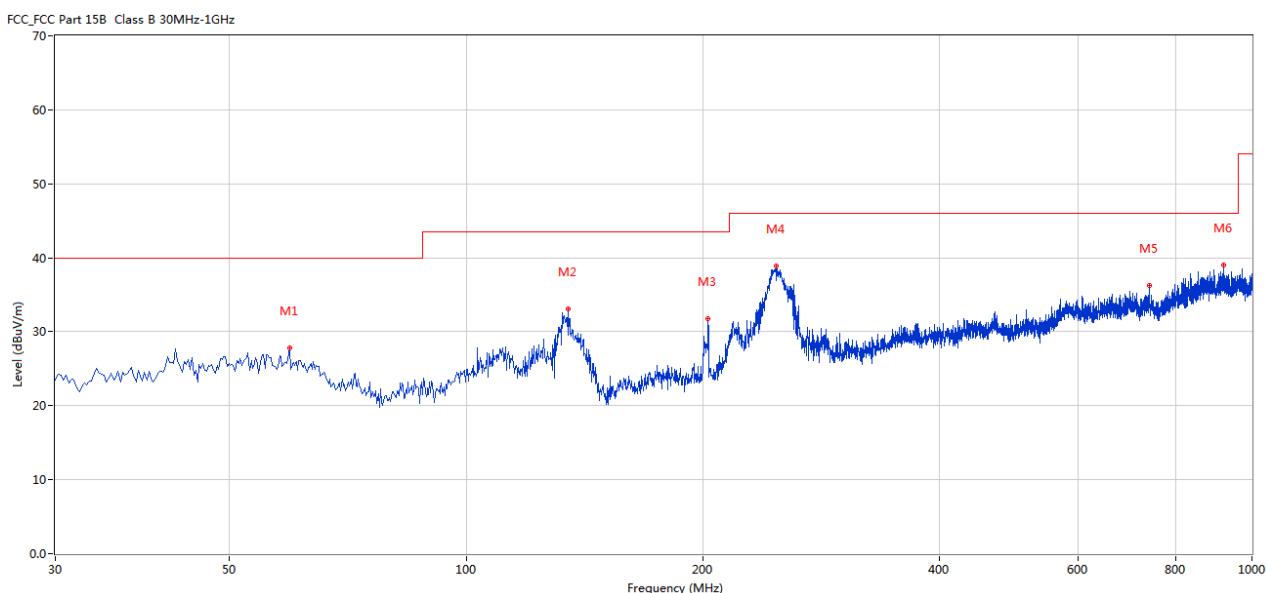
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Test Figure:

H



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1 | 59.578 | 27.80 | -5.37 | 40.0 | 12.20 | Peak | 79.00 | 100 | Horizontal | Pass |
| 2 | 134.734 | 33.13 | -9.55 | 43.5 | 10.37 | Peak | 290.00 | 100 | Horizontal | Pass |
| 3 | 203.102 | 31.80 | -7.17 | 43.5 | 11.70 | Peak | 48.00 | 100 | Horizontal | Pass |
| 4 | 247.953 | 38.94 | -5.23 | 46.0 | 7.06 | Peak | 64.00 | 100 | Horizontal | Pass |
| 5 | 739.863 | 36.22 | 2.54 | 46.0 | 9.78 | Peak | 236.00 | 100 | Horizontal | Pass |
| 6 | 921.207 | 39.03 | 5.57 | 46.0 | 6.97 | Peak | 149.00 | 100 | Horizontal | Pass |

The report refers only to the sample tested and does not apply to the bulk.

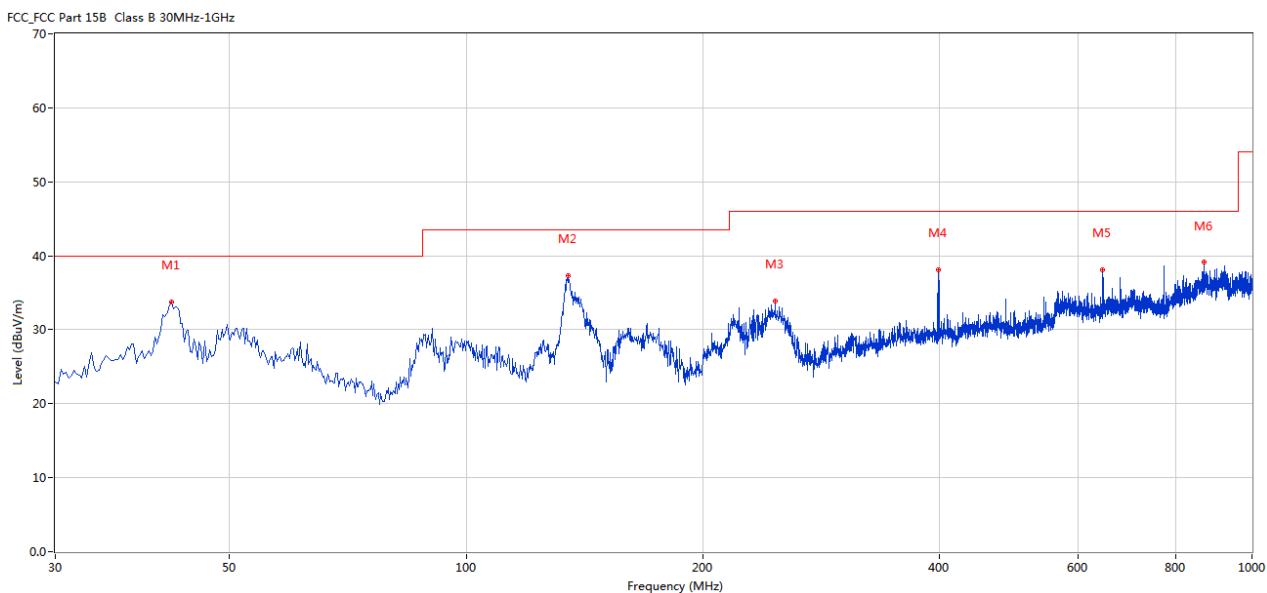
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Test Figure:

V



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1 | 42.122 | 33.76 | -5.39 | 40.0 | 6.24 | Peak | 128.00 | 100 | Vertical | Pass |
| 2 | 134.734 | 37.30 | -9.55 | 43.5 | 6.20 | Peak | 287.00 | 100 | Vertical | Pass |
| 3 | 247.468 | 33.86 | -5.22 | 46.0 | 12.14 | Peak | 221.00 | 100 | Vertical | Pass |
| 4 | 398.508 | 38.08 | -1.72 | 46.0 | 7.92 | Peak | 5.00 | 100 | Vertical | Pass |
| 5 | 645.554 | 38.09 | 1.59 | 46.0 | 7.91 | Peak | 7.00 | 100 | Vertical | Pass |
| 6 | 869.325 | 39.09 | 5.11 | 46.0 | 6.91 | Peak | 1.00 | 100 | Vertical | Pass |

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Operation Mode: Keeping Transmitting under CH36 for 11a at 6Mbps

| Frequency (MHz) | Level@3m (dB μ V/m) | Antenna Polarity | Limit@3m (dB μ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5180.00 | 102.68 (PK) | H | Fundamental Frequency |
| 5180.00 | 95.08 (PK) | V | |
| 10360 | -- | V | 74(Peak)/ 54(AV) |
| 10360 | -- | H | 74(Peak)/ 54(AV) |
| 15540 | -- | H/V | 74(Peak)/ 54(AV) |
| 20720 | -- | H/V | 74(Peak)/ 54(AV) |
| 25900 | -- | H/V | 74(Peak)/ 54(AV) |
| 31080 | -- | H/V | 74(Peak)/ 54(AV) |
| 36260 | -- | H/V | 74(Peak)/ 54(AV) |

Note: 1. Level = Reading + AF + Cable - Pre-amplifier
2. Remark “---” means that the emissions level is too low to be measured

Operation Mode: Keeping Transmitting under CH40 for 11a at 6Mbps

| Frequency (MHz) | Level@3m (dB μ V/m) | Antenna Polarity | Limit@3m (dB μ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5200.00 | 100.67 (PK) | H | Fundamental Frequency |
| 5200.00 | 92.15 (PK) | V | |
| 10400 | -- | V | 74(Peak)/ 54(AV) |
| 10400 | -- | H | 74(Peak)/ 54(AV) |
| 15600 | -- | V | 74(Peak)/ 54(AV) |
| 20800 | -- | H/V | 74(Peak)/ 54(AV) |
| 26000 | -- | H/V | 74(Peak)/ 54(AV) |
| 31200 | -- | H/V | 74(Peak)/ 54(AV) |
| 36400 | -- | H/V | 74(Peak)/ 54(AV) |

Note: 1. Level = Reading + AF + Cable - Pre-amplifier
2. Remark “---” means that the emissions level is too low to be measured



Operation Mode: Keeping Transmitting under CH48 for 11a at 6Mbps

| Frequency (MHz) | Level@3m (dB μ V/m) | Antenna Polarity | Limit@3m (dB μ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5240.00 | 102.33 (PK) | H | Fundamental Frequency |
| 5240.00 | 92.70 (PK) | V | |
| 10480 | -- | V | 74(Peak)/ 54(AV) |
| 10480 | -- | H | 74(Peak)/ 54(AV) |
| 15720 | -- | H/V | 74(Peak)/ 54(AV) |
| 20960 | -- | H/V | 74(Peak)/ 54(AV) |
| 26200 | -- | H/V | 74(Peak)/ 54(AV) |
| 31440 | -- | H/V | 74(Peak)/ 54(AV) |
| 36680 | -- | H/V | 74(Peak)/ 54(AV) |

Note: 1. Level = Reading + AF + Cable – Pre-amplifier
2. Remark “---” means that the emissions level is too low to be measured

Operation Mode: Keeping Transmitting under CH149 for 11a at 6Mbps

| Frequency (MHz) | Level@3m (dB μ V/m) | Antenna Polarity | Limit@3m (dB μ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5745.00 | 98.31 (PK) | H | Fundamental Frequency |
| 5745.00 | 84.07 (PK) | V | |
| 11490 | -- | V | 74(Peak)/ 54(AV) |
| 11490 | -- | H | 74(Peak)/ 54(AV) |
| 17235 | -- | H/V | 74(Peak)/ 54(AV) |
| 22980 | -- | H/V | 74(Peak)/ 54(AV) |
| 28725 | -- | H/V | 74(Peak)/ 54(AV) |
| 34470 | -- | H/V | 74(Peak)/ 54(AV) |

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit
2. Remark “---” means that the emissions level is too low to be measured

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Operation Mode: Keeping Transmitting under CH157 for 11a at 6Mbps

| Frequency (MHz) | Level@3m (dB μ V/m) | Antenna Polarity | Limit@3m (dB μ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5785.00 | 100.03 (PK) | H | Fundamental Frequency |
| 5785.00 | 86.25 (PK) | V | |
| 11570 | -- | V | 74(Peak)/ 54(AV) |
| 11570 | -- | H | 74(Peak)/ 54(AV) |
| 17355 | -- | H/V | 74(Peak)/ 54(AV) |
| 23140 | -- | H/V | 74(Peak)/ 54(AV) |
| 28925 | -- | H/V | 74(Peak)/ 54(AV) |
| 34710 | -- | H/V | 74(Peak)/ 54(AV) |

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “--” means that the emissions level is too low to be measured

Operation Mode: Keeping Transmitting under CH161 for 11a at 6Mbps

| Frequency (MHz) | Level@3m (dB μ V/m) | Antenna Polarity | Limit@3m (dB μ V/m) |
|-----------------|-------------------------|------------------|-------------------------|
| 5825.00 | 97.12 (PK) | H | Fundamental Frequency |
| 5825.00 | 83.53 (PK) | V | |
| 11650 | -- | V | 74(Peak)/ 54(AV) |
| 11650 | -- | H | 74(Peak)/ 54(AV) |
| 17475 | -- | H/V | 74(Peak)/ 54(AV) |
| 23300 | -- | H/V | 74(Peak)/ 54(AV) |
| 29125 | -- | H/V | 74(Peak)/ 54(AV) |
| 34950 | -- | H/V | 74(Peak)/ 54(AV) |

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark “--” means that the emissions level is too low to be measured

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------|
| EUT | STV player | Test Mode: | Channel 36 (5180MHz)-11a |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 48.9 | Limit |
| | EIRP (dBm) | -46.3 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 48.9 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.9 - 95.2 = -46.3 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------|
| EUT | STV player | Test Mode: | Channel 36 (5180MHz)-11a |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 40.4 (PK) | Limit |
| | EIRP (dBm) | -54.8 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 40.4 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 40.4 - 95.2 = -54.8 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|-----------|---------------|
| EUT | STV player | | Test Mode: |
| Mode | Keeping Transmitting | | Input Voltage |
| Temperature | 24 deg. C, | | Humidity |
| Test Result: | Pass | | Detector |
| 5250 | PK (dB μ V/m) | 47.7 (PK) | Limit |
| | EIRP (dBm) | -47.5 | |
| Polarity | Horizontal | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 47.7dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 47.7 - 95.2 = -47.5 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|-----------|---------------|
| EUT | STV player | | Test Mode: |
| Mode | Keeping Transmitting | | Input Voltage |
| Temperature | 24 deg. C, | | Humidity |
| Test Result: | Pass | | Detector |
| 5250 | PK (dB μ V/m) | 42.8 (PK) | Limit |
| | EIRP (dBm) | -52.4 | |
| Polarity | Vertical | | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 42.8dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 42.8 - 95.2 = -52.4 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|---------------------------|
| EUT | STV player | Test Mode: | Channel 149 (5745MHz)-11a |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 54.0 (PK) | Limit |
| | EIRP (dBm) | -41.2 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 54.0 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 54.0 - 95.2 = -41.2 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|---------------------------|
| EUT | STV player | Test Mode: | Channel 149 (5745MHz)-11a |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 47.4(PK) | Limit |
| | EIRP (dBm) | -47.8 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 47.4 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 47.4 - 95.2 = -47.8 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|---------------------------|
| EUT | STV player | Test Mode: | Channel 161 (5825MHz)-11a |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 56.1(PK) | Limit |
| | EIRP (dBm) | -39.1 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 56.1dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 56.1 - 95.2 = -39.1 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|---------------------------|
| EUT | STV player | Test Mode: | Channel 161 (5825MHz)-11a |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 53.6 (PK) | Limit |
| | EIRP (dBm) | -41.6 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 53.6 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 53.6 - 95.2 = -41.6 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|----------------------------------|
| EUT | STV player | Test Mode: | Channel 36 (5180MHz)-11n/HT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 48.3(PK) | Limit |
| | EIRP (dBm) | -46.9 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 48.3 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.3 - 95.2 = -46.9 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|----------------------------------|
| EUT | STV player | Test Mode: | Channel 36 (5180MHz)-11n/HT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 42.4 (PK) | Limit |
| | EIRP (dBm) | -52.8 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 42.4 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 42.4 - 95.2 = -52.8 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------|
| EUT | STV player | Test Mode: | Channel 48 (5240MHz)-11n/HT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 50.9(PK) | Limit |
| | EIRP (dBm) | -44.3 | |
| Polarity | Horizontal | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 50.9dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.9 - 95.2 = -44.3 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------|
| EUT | STV player | Test Mode: | Channel 48 (5240MHz)-11n/HT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 46.5(PK) | Limit |
| | EIRP (dBm) | -48.7 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 46.5dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 46.5 - 95.2 = -48.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------|
| EUT | STV player | Test Mode: | Channel 149 (5745MHz)-11n/HT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 50.0 (PK) | Limit |
| | EIRP (dBm) | -45.2 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 50.0dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.0 - 95.2 = -45.2 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------|
| EUT | STV player | Test Mode: | Channel 149 (5745MHz)-11n/HT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 45.8(PK) | Limit |
| | EIRP (dBm) | -49.4 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 45.8dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 45.8 - 95.2 = -49.4 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------|
| EUT | STV player | Test Mode: | Channel 161 (5825MHz)-11n/HT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 51.3 (PK) | Limit |
| | EIRP (dBm) | -43.9 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 51.3dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 51.3 - 95.2 = -43.9 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------|
| EUT | STV player | Test Mode: | Channel 161 (5825MHz)-11n/HT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 46.3 (PK) | Limit |
| | EIRP (dBm) | -48.9 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 46.3dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 46.3 - 95.2 = -48.9 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|----------------------------------|
| EUT | STV player | Test Mode: | Channel 38 (5190MHz)-11n/HT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 49.2(PK) | Limit |
| | EIRP (dBm) | -46.0 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 49.2dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 49.2 - 95.2 = -46.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|----------------------------------|
| EUT | STV player | Test Mode: | Channel 38 (5190MHz)-11n/HT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 46.1(PK) | Limit |
| | EIRP (dBm) | -49.1 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 46.1dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 46.1 - 95.2 = -49.1 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------|
| EUT | STV player | Test Mode: | Channel 46 (5230MHz)-11n/HT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 51.6(PK) | Limit |
| | EIRP (dBm) | -43.6 | |
| Polarity | Horizontal | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 51.6dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 51.6 - 95.2 = -43.6 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------|
| EUT | STV player | Test Mode: | Channel 46 (5230MHz)-11n/HT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 48.2(PK) | Limit |
| | EIRP (dBm) | -47.0 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 48.2dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.2 - 95.2 = -47.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------|
| EUT | STV player | Test Mode: | Channel 151 (5755MHz)-11n/HT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 52.6(PK) | Limit |
| | EIRP (dBm) | -42.6 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 52.6 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 52.6 - 95.2 = -42.6 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------|
| EUT | STV player | Test Mode: | Channel 151 (5755MHz)-11n/HT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 47.2(PK) | Limit |
| | EIRP (dBm) | -48.0 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 47.2dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 47.2 - 95.2 = -48.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------|
| EUT | STV player | Test Mode: | Channel 159 (5795MHz)-11n/HT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 53.5 (PK) | Limit |
| | EIRP (dBm) | -41.7 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 53.5dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 53.5 - 95.2 = -41.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------|
| EUT | STV player | Test Mode: | Channel 159 (5795MHz)-11n/HT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 49.5(PK) | Limit |
| | EIRP (dBm) | -45.7 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 49.5 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 49.5 - 95.2 = -45.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|------------------------------------|
| EUT | STV player | Test Mode: | Channel 36 (5180MHz)-11ac VHT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 48.3(PK) | Limit |
| | EIRP (dBm) | -46.9 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 48.3 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.3 - 95.2 = -46.9 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|------------------------------------|
| EUT | STV player | Test Mode: | Channel 36 (5180MHz)-11ac VHT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 41.2 (PK) | Limit |
| | EIRP (dBm) | -54.0 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 41.2 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 41.2 - 95.2 = -54.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------------|
| EUT | STV player | Test Mode: | Channel 48 (5240MHz)- 11ac VHT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 49.6 (PK) | Limit |
| | EIRP (dBm) | -45.6 | |
| Polarity | Horizontal | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 49.6dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 49.6 - 95.2 = -45.6 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------------|
| EUT | STV player | Test Mode: | Channel 48 (5240MHz)- 11ac VHT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 42.6 (PK) | Limit |
| | EIRP (dBm) | -52.6 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 42.6dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 42.6 - 95.2 = -52.6 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 149 (5745MHz)- 11ac VHT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 54.6 (PK) | Limit |
| | EIRP (dBm) | -40.6 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 54.6 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 54.6 - 95.2 = -40.6 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 149 (5745MHz)- 11ac VHT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 48.0(PK) | Limit |
| | EIRP (dBm) | -47.2 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 48.0 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.0 - 95.2 = -47.2 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 161 (5825MHz)- 11ac VHT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 55.3(PK) | Limit |
| | EIRP (dBm) | -39.9 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 55.3dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 55.3 - 95.2 = -39.9 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 161 (5825MHz)- 11ac VHT20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 52.1(PK) | Limit |
| | EIRP (dBm) | -43.1 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 52.1 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 52.1 - 95.2 = -43.1 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|------------------------------------|
| EUT | STV player | Test Mode: | Channel 38 (5190MHz)-11ac VHT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 48.1(PK) | Limit |
| | EIRP (dBm) | -47.1 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 48.1 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.1 - 95.2 = -47.1 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|------------------------------------|
| EUT | STV player | Test Mode: | Channel 38 (5190MHz)-11ac VHT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 42.0 (PK) | Limit |
| | EIRP (dBm) | -53.2 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 42.0 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 42.0 - 95.2 = -53.2 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------------|
| EUT | STV player | Test Mode: | Channel 46 (5230MHz)- 11ac VHT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 50.5(PK) | Limit |
| | EIRP (dBm) | -44.7 | |
| Polarity | Horizontal | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 50.5dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.5 - 95.2 = -44.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------------|
| EUT | STV player | Test Mode: | Channel 46 (5230MHz)- 11ac VHT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 45.8(PK) | Limit |
| | EIRP (dBm) | -49.4 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 45.8dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 45.8 - 95.2 = -49.4 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 151 (5755MHz)- 11ac VHT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 50.2 (PK) | Limit |
| | EIRP (dBm) | -45.0 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 50.2dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.2 - 95.2 = -45.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 151 (5755MHz)- 11ac VHT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 45.1(PK) | Limit |
| | EIRP (dBm) | -50.1 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 45.1dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 45.1 - 95.2 = -50.1 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 159 (5795MHz)- 11ac VHT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 49.8 (PK) | Limit |
| | EIRP (dBm) | -45.4 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 49.8dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 49.8 - 95.2 = -45.4 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 159 (5795MHz)- 11ac VHT40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 44.9(PK) | Limit |
| | EIRP (dBm) | -50.3 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 44.9dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 44.9 - 95.2 = -50.3 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|------------------------------------|
| EUT | STV player | Test Mode: | Channel 36 (5180MHz)-11ax HEW20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 48.5(PK) | Limit |
| | EIRP (dBm) | -46.7 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 48.5 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.5 - 95.2 = -46.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------------|
| EUT | STV player | Test Mode: | Channel 36 (5180MHz)- 11ax HEW20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 41.6 (PK) | Limit |
| | EIRP (dBm) | -53.6 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 41.6 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 41.6 - 95.2 = -53.6 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------------|
| EUT | STV player | Test Mode: | Channel 48 (5240MHz)- 11ax HEW20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 50.2 (PK) | Limit |
| | EIRP (dBm) | -45.0 | |
| Polarity | Horizontal | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 50.2dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.2 - 95.2 = -45.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------------|
| EUT | STV player | Test Mode: | Channel 48 (5240MHz)- 11ax HEW20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 43.3 (PK) | Limit |
| | EIRP (dBm) | -51.9 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 43.3dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 43.3 - 95.2 = -51.9 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 149 (5745MHz)- 11ax HEW20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 55.2 (PK) | Limit |
| | EIRP (dBm) | -40.0 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 55.2 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 55.2 - 95.2 = -40.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 149 (5745MHz)- 11ax HEW20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 48.9(PK) | Limit |
| | EIRP (dBm) | -46.3 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 48.9 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.9 - 95.2 = -46.3 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

The report refers only to the sample tested and does not apply to the bulk.

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 161 (5825MHz)- 11ax HEW20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 55.7(PK) | Limit |
| | EIRP (dBm) | -39.5 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 55.7dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 55.7 - 95.2 = -39.5 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 161 (5825MHz)- 11ax HEW20 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 52.9(PK) | Limit |
| | EIRP (dBm) | -42.3 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 52.9 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 52.9 - 95.2 = -42.3 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------------|
| EUT | STV player | Test Mode: | Channel 38 (5190MHz)- 11ax HEW40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 48.5(PK) | Limit |
| | EIRP (dBm) | -46.7 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 48.5 dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 48.5 - 95.2 = -46.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------------|
| EUT | STV player | Test Mode: | Channel 38 (5190MHz)- 11ax HEW40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5150 | PK (dB μ V/m) | 43.2 (PK) | Limit |
| | EIRP (dBm) | -52.0 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 43.2dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 43.2 - 95.2 = -52.0 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------------|
| EUT | STV player | Test Mode: | Channel 46 (5230MHz)- 11ax HEW40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 50.9(PK) | Limit |
| | EIRP (dBm) | -44.3 | |
| Polarity | Horizontal | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 50.9dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.9 - 95.2 = -44.3 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|-------------------------------------|
| EUT | STV player | Test Mode: | Channel 46 (5230MHz)- 11ax HEW40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5250 | PK (dB μ V/m) | 44.5(PK) | Limit |
| | EIRP (dBm) | -50.7 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 44.5dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 44.5 - 95.2 = -50.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 151 (5755MHz)- 11ax HEW40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 50.5 (PK) | Limit |
| | EIRP (dBm) | -44.7 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 50.5dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.5 - 95.2 = -44.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 151 (5755MHz)- 11ax HEW40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5725 | PK (dB μ V/m) | 45.8(PK) | Limit |
| | EIRP (dBm) | -49.4 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 45.8dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 45.8 - 95.2 = -49.4 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 159 (5795MHz)- 11ax HEW40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 50.3 (PK) | Limit |
| | EIRP (dBm) | -44.9 | |
| Polarity | Horizontal | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 50.3dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 50.3 - 95.2 = -44.9 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | |
|-----------------------------|----------------------|---------------|--------------------------------------|
| EUT | STV player | Test Mode: | Channel 159 (5795MHz)- 11ax HEW40 |
| Mode | Keeping Transmitting | Input Voltage | 120V~ |
| Temperature | 24 deg. C, | Humidity | 56% RH |
| Test Result: | Pass | Detector | PK |
| 5850 | PK (dB μ V/m) | 44.5(PK) | Limit |
| | EIRP (dBm) | -50.7 | |
| Polarity | Vertical | -- | -- |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2$$

For Example, if E[dB μ V/m]= 44.5dB μ V/m,

$$\text{EIRP[dBm]} = \text{E[dB}\mu\text{V/m]} - 95.2 = 44.5 - 95.2 = -50.7 \text{ dBm}$$

2. RBW=1MHz, VBW=3MHz

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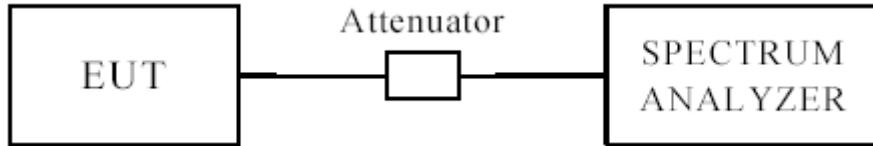
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7.0 Emission Bandwidth

7.1 Test Setup



7.3 Test Procedure for Emission Bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set VBW > RBW
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is 26 dB down from the maximum 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%.

7.4 Test Procedure for Minimum Bandwidth for the Band 5725-5850MHz

1. Set RBW = 100 kHz.
2. Set VBW $\geq 3 \times$ RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. 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.

7.5 Test Procedure for 99% Bandwidth

1. Set center frequency to the nominal EUT channel center frequency
2. Set span = 1.5 times to 5.0 times OBW
3. Set RBW = 1% TO 5% of the OBW
4. Set VBW $\geq 3 \times$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Other, peak detection and max mode (until trace stabilizes) shall be used.
6. Use the 99% power bandwidth function of the instrument

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7.6 Test Result

-26dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -26 dB Bandwidth (MHz) | Limit -26 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|------------------------|------------------------------|---------|
| NVNT | a | 5180 | Ant1 | 25.784 | 0.5 | Pass |
| | | 5200 | | 25.295 | 0.5 | Pass |
| | | 5240 | | 25.252 | 0.5 | Pass |
| | n20 | 5180 | | 26.058 | 0.5 | Pass |
| | | 5200 | | 26.495 | 0.5 | Pass |
| | | 5240 | | 25.681 | 0.5 | Pass |
| | n40 | 5190 | | 52.273 | 0.5 | Pass |
| | | 5230 | | 51.611 | 0.5 | Pass |
| | ac20 | 5180 | | 26.107 | 0.5 | Pass |
| | | 5200 | | 27.683 | 0.5 | Pass |
| | | 5240 | | 26.472 | 0.5 | Pass |
| | ac40 | 5190 | | 49.886 | 0.5 | Pass |
| | | 5230 | | 50.764 | 0.5 | Pass |
| | ax20 | 5180 | | 24.711 | 0.5 | Pass |
| | | 5200 | | 25.103 | 0.5 | Pass |
| | | 5240 | | 24.916 | 0.5 | Pass |
| | ax40 | 5190 | | 47.401 | 0.5 | Pass |
| | | 5230 | | 48.585 | 0.5 | Pass |

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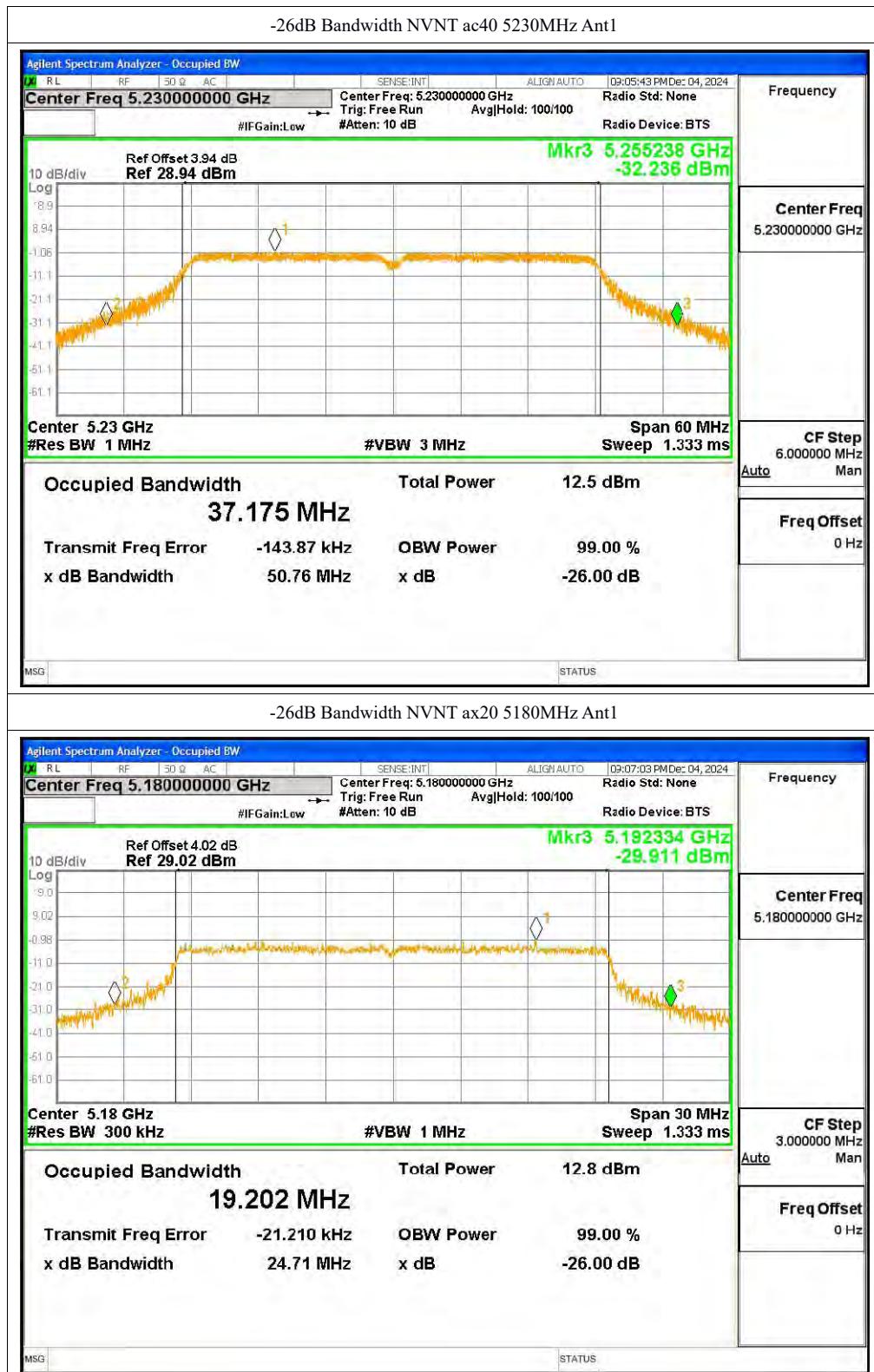
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Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT | a | 5180 | Ant1 | 16.785 |
| | | 5200 | | 16.74 |
| | | 5240 | | 16.78 |
| | n20 | 5180 | | 17.919 |
| | | 5200 | | 17.913 |
| | | 5240 | | 17.96 |
| | n40 | 5190 | | 36.522 |
| | | 5230 | | 36.509 |
| | ac20 | 5180 | | 17.935 |
| | | 5200 | | 17.975 |
| | | 5240 | | 17.952 |
| | ac40 | 5190 | | 36.549 |
| | | 5230 | | 36.499 |
| | ax20 | 5180 | | 19.13 |
| | | 5200 | | 19.113 |
| | | 5240 | | 19.073 |
| | ax40 | 5190 | | 37.948 |
| | | 5230 | | 37.923 |

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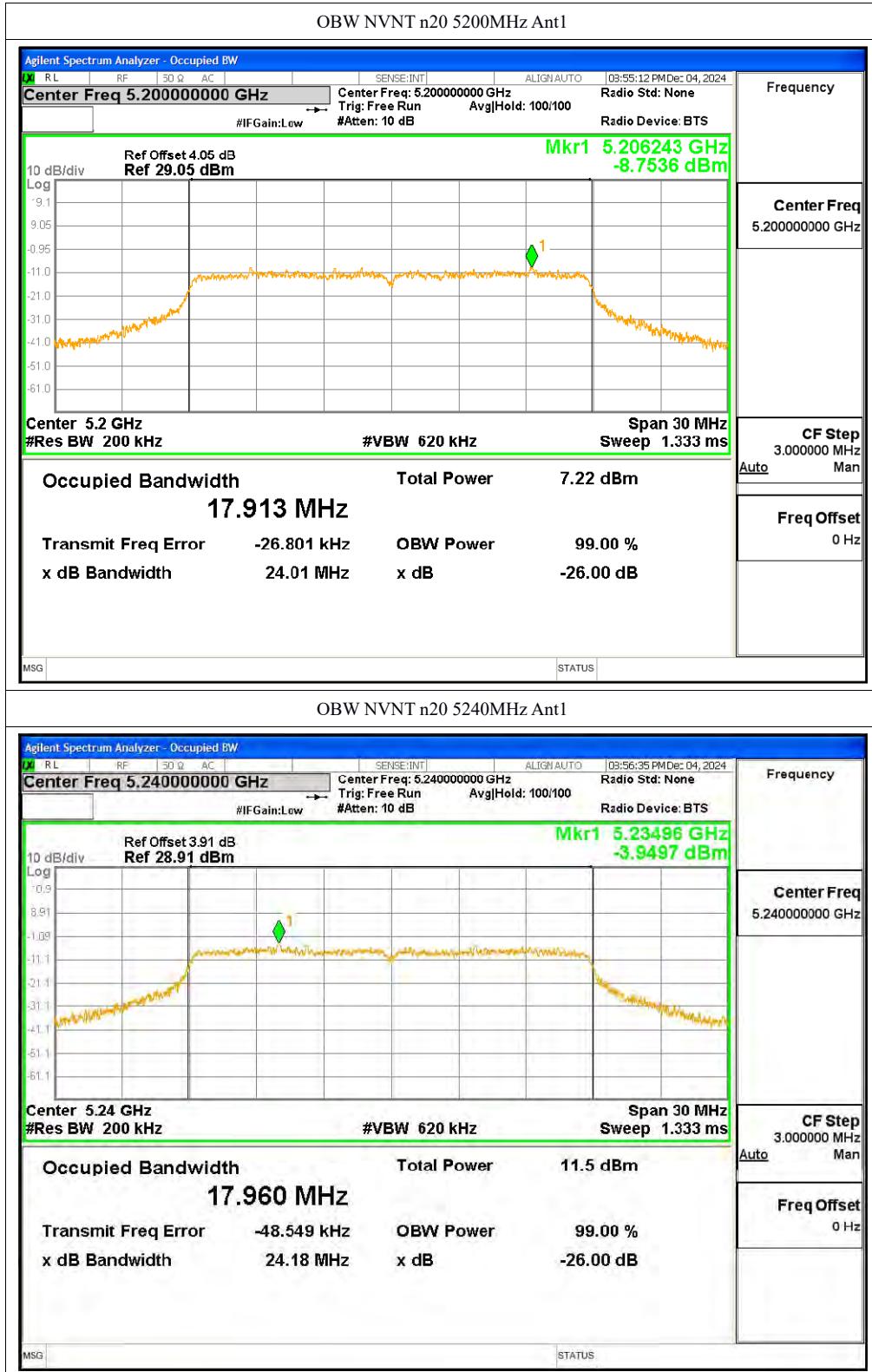
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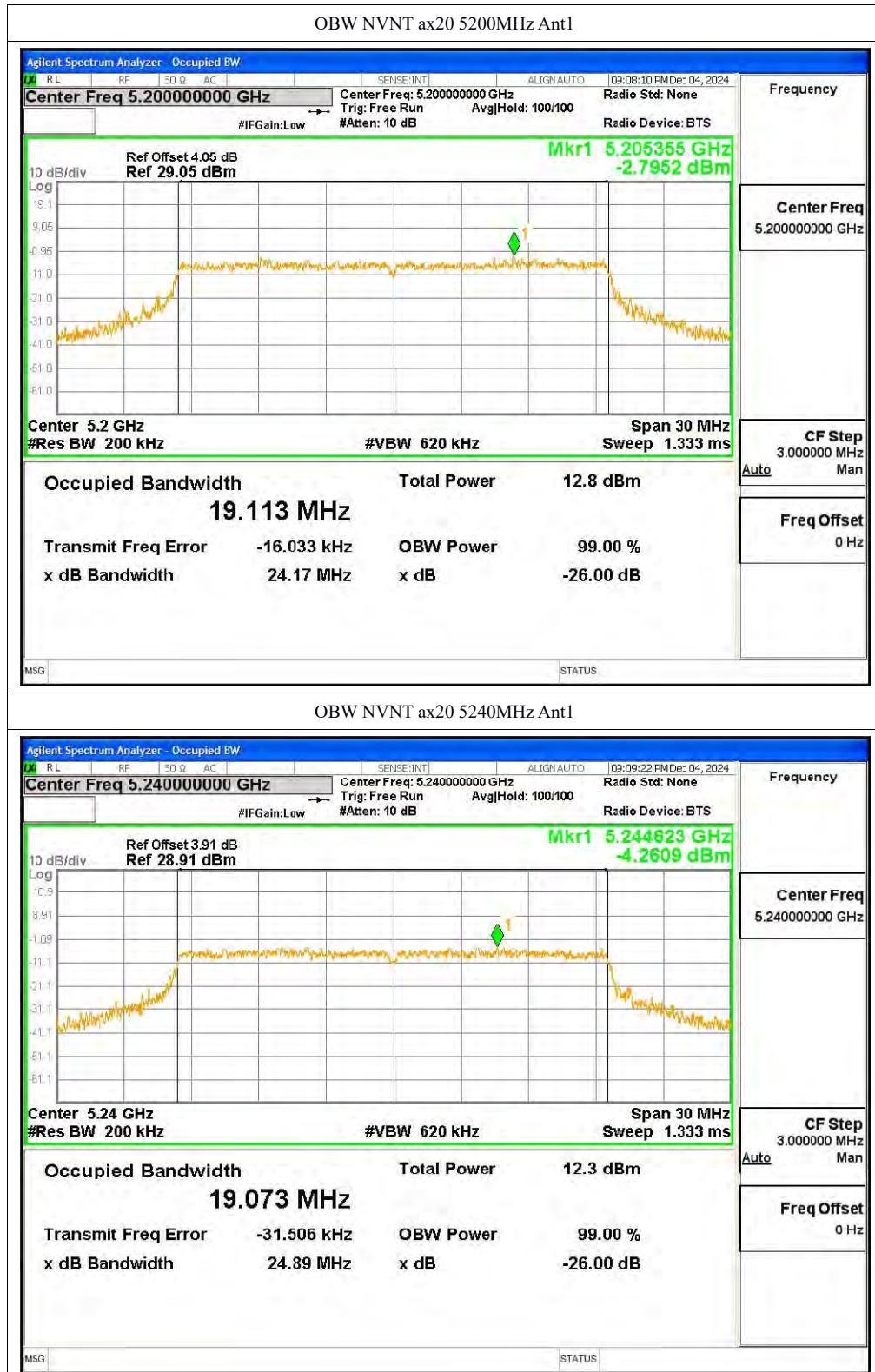
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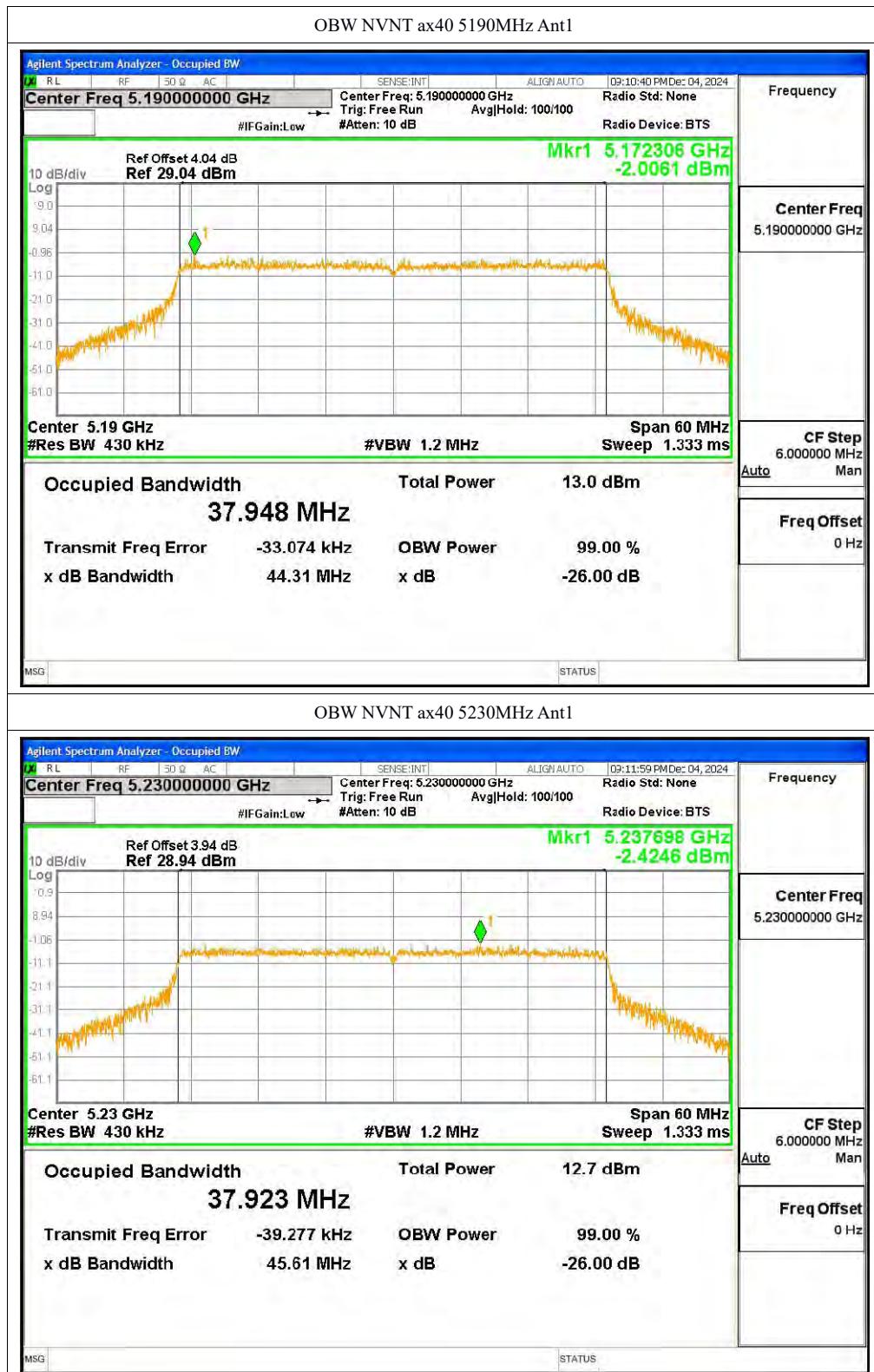
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-6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT | a | 5745 | Ant1 | 16.34 | 0.5 | Pass |
| | | 5785 | | 16.332 | 0.5 | Pass |
| | | 5825 | | 16.32 | 0.5 | Pass |
| | n20 | 5745 | | 17.565 | 0.5 | Pass |
| | | 5785 | | 17.579 | 0.5 | Pass |
| | | 5825 | | 17.591 | 0.5 | Pass |
| | n40 | 5755 | | 36.33 | 0.5 | Pass |
| | | 5795 | | 36.321 | 0.5 | Pass |
| | | 5745 | | 17.574 | 0.5 | Pass |
| | ac20 | 5785 | | 17.61 | 0.5 | Pass |
| | | 5825 | | 17.611 | 0.5 | Pass |
| | | 5755 | | 36.333 | 0.5 | Pass |
| | ac40 | 5795 | | 36.316 | 0.5 | Pass |
| | | 5745 | | 18.849 | 0.5 | Pass |
| | | 5785 | | 18.774 | 0.5 | Pass |
| | ax20 | 5825 | | 18.768 | 0.5 | Pass |
| | | 5755 | | 37.853 | 0.5 | Pass |
| | | 5795 | | 37.821 | 0.5 | Pass |

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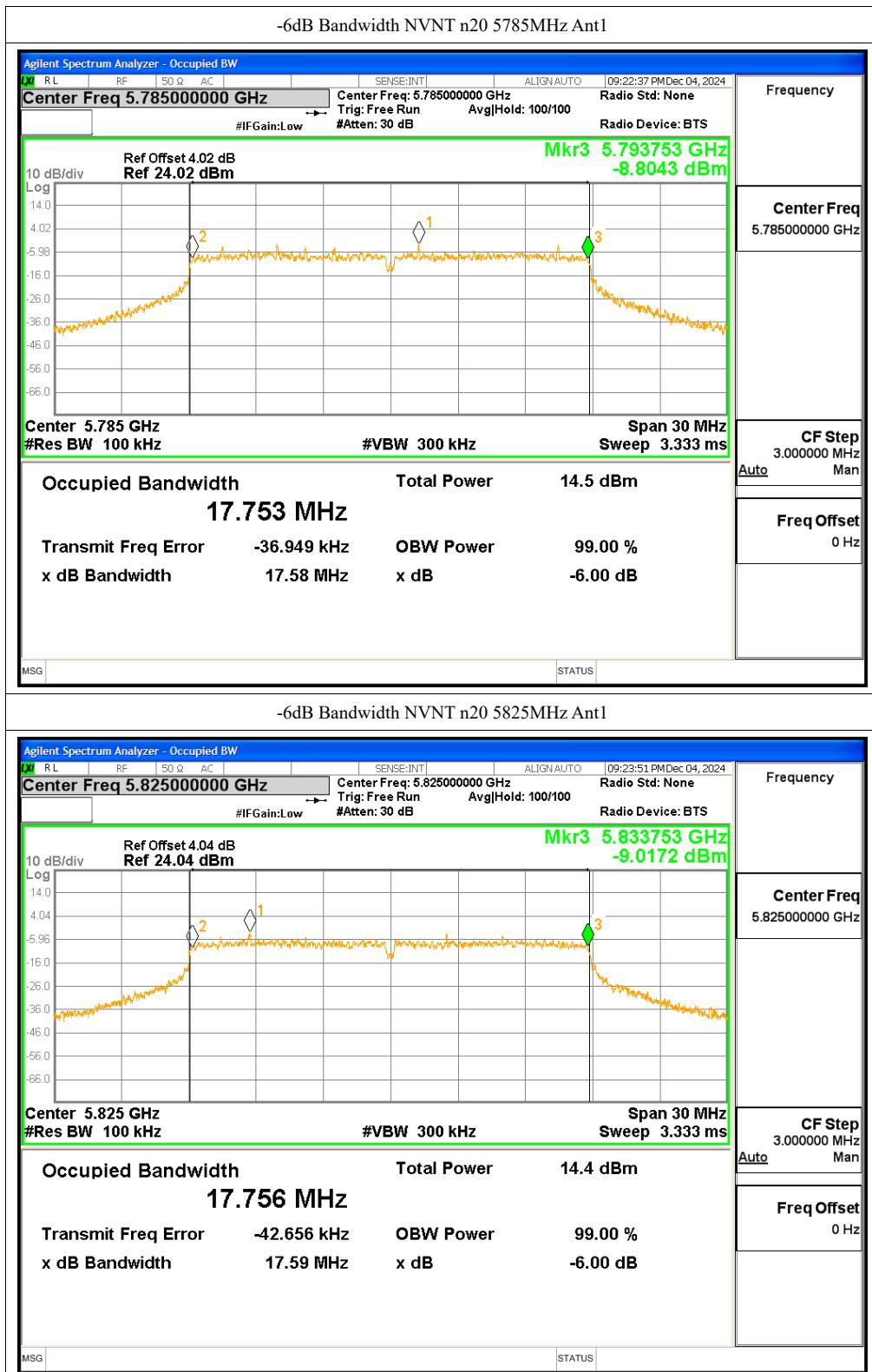
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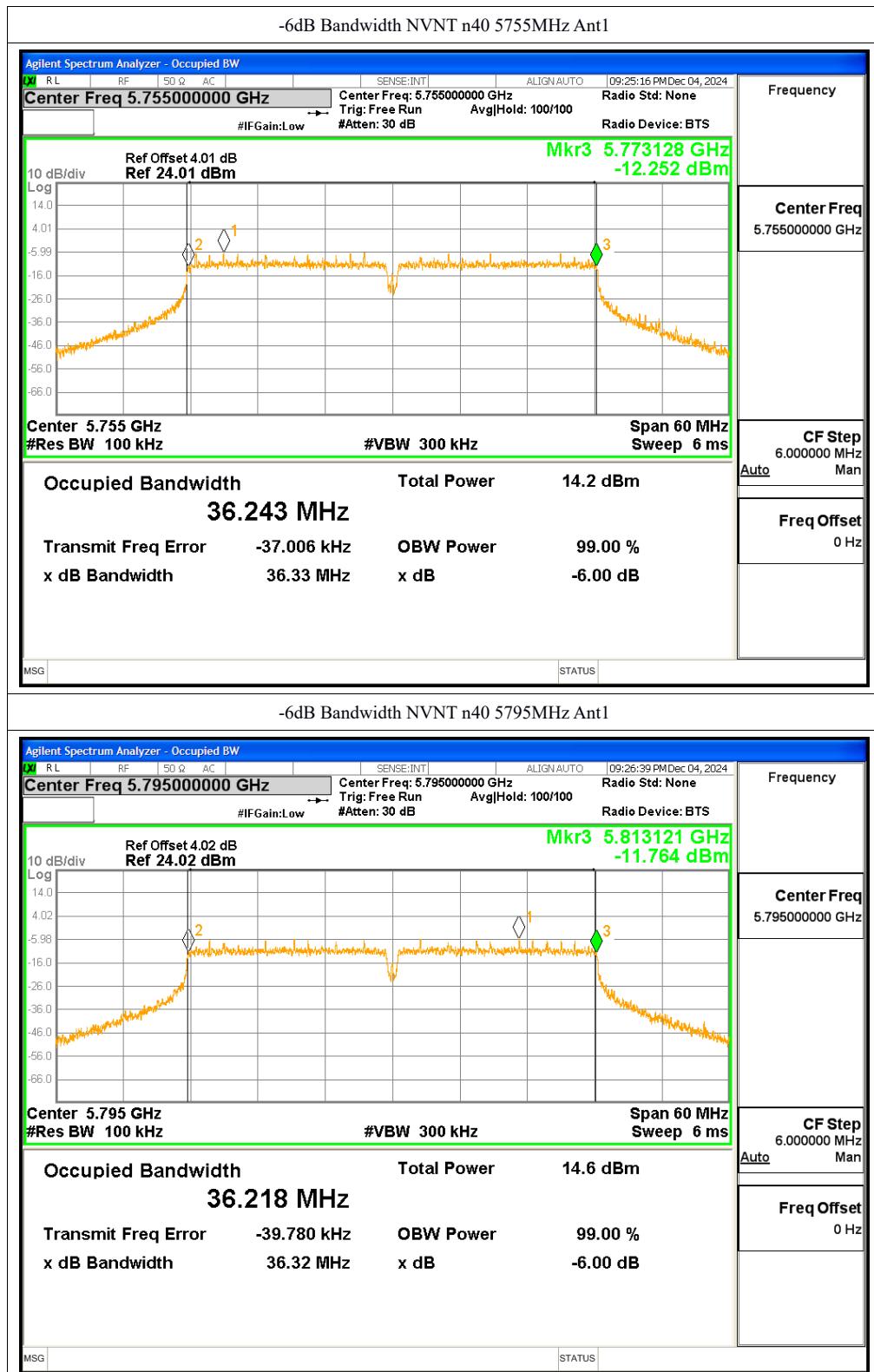
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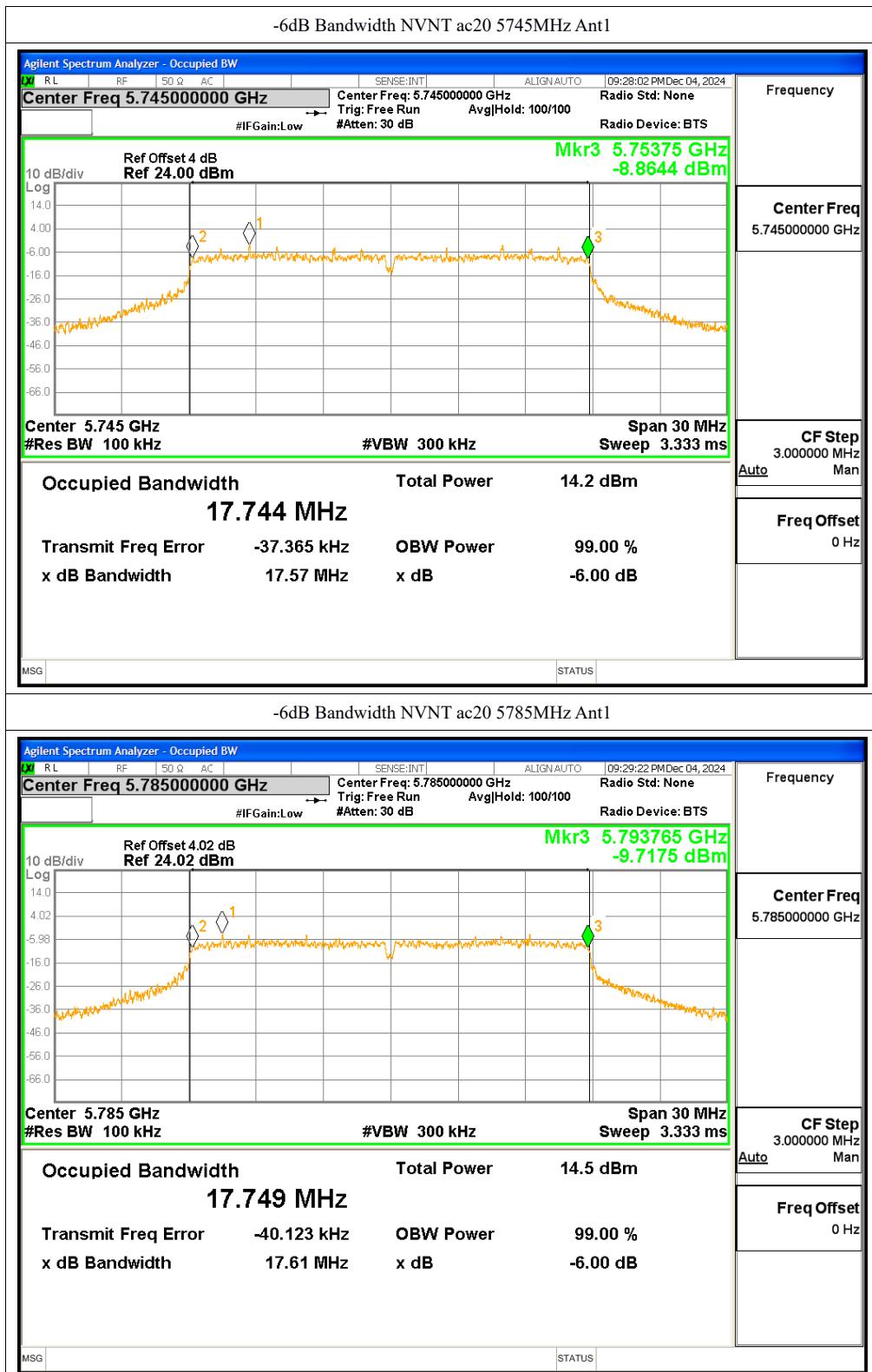
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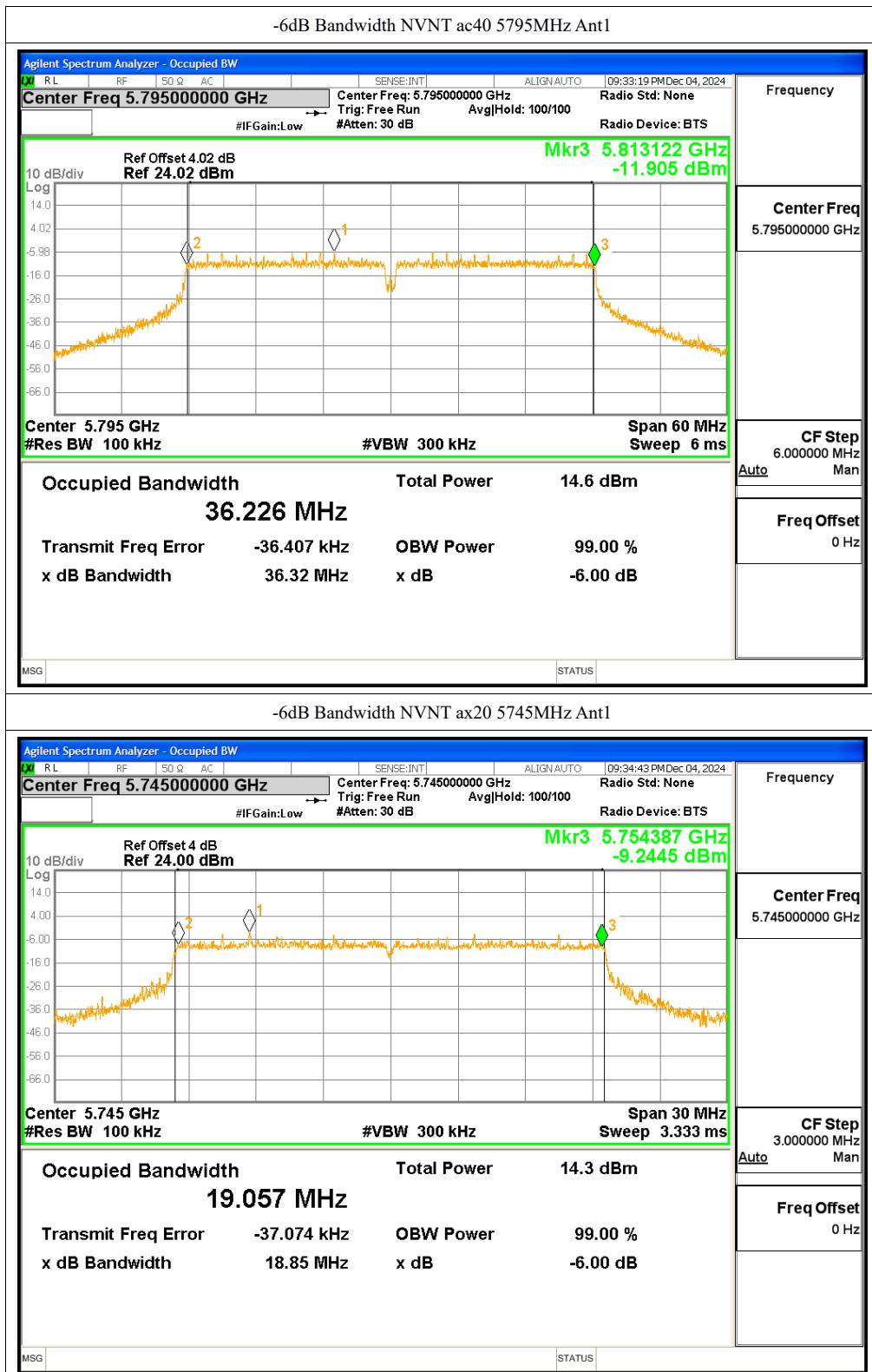
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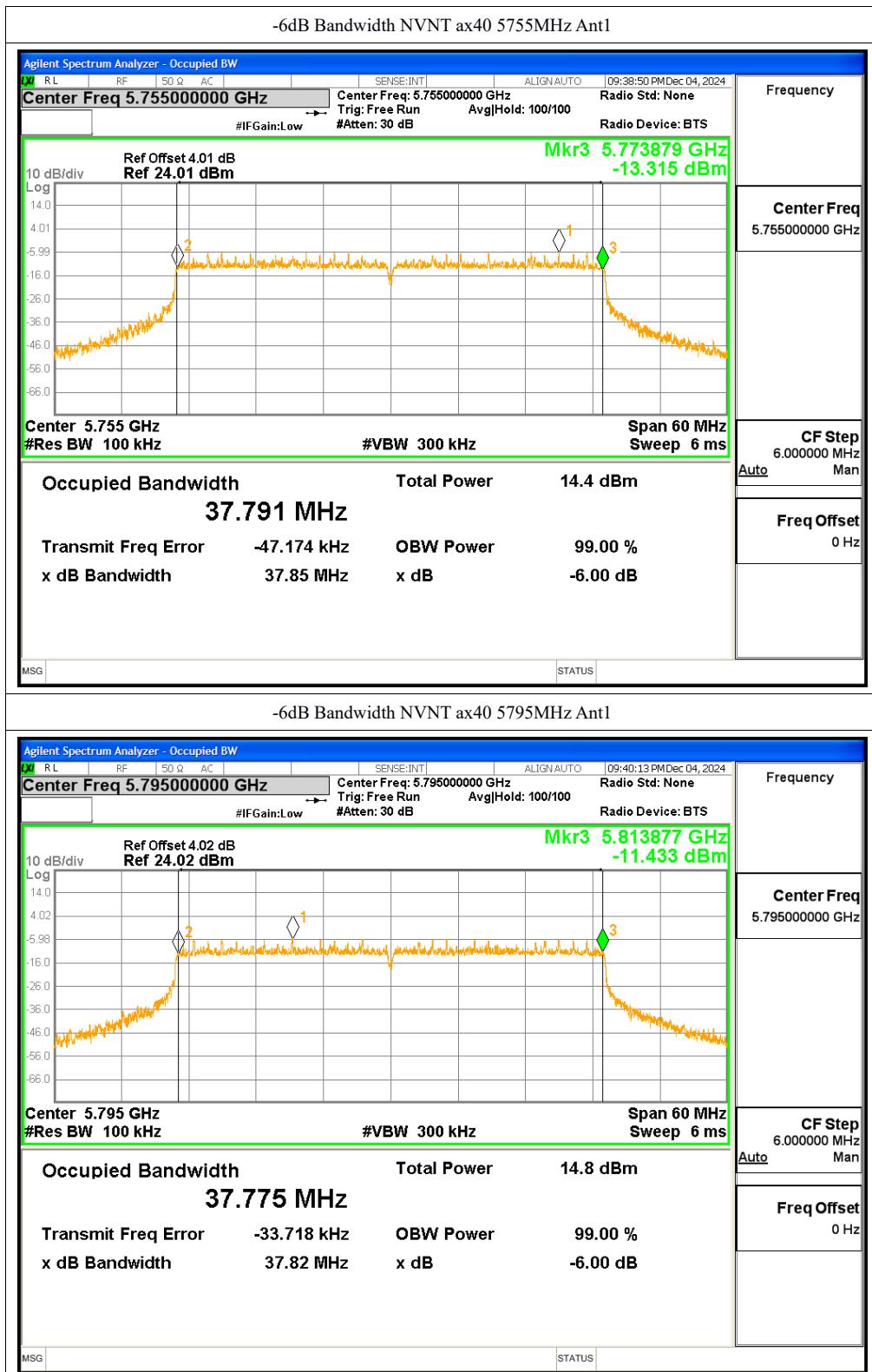
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Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT | a | 5745 | Ant1 | 16.68 |
| | | 5785 | | 16.724 |
| | | 5825 | | 16.714 |
| | n20 | 5745 | | 17.906 |
| | | 5785 | | 17.932 |
| | | 5825 | | 17.943 |
| | n40 | 5755 | | 36.552 |
| | | 5795 | | 36.496 |
| | ac20 | 5745 | | 17.934 |
| | | 5785 | | 17.949 |
| | | 5825 | | 17.915 |
| | ac40 | 5755 | | 36.61 |
| | | 5795 | | 36.556 |
| | ax20 | 5745 | | 19.16 |
| | | 5785 | | 19.098 |
| | | 5825 | | 19.155 |
| | ax40 | 5755 | | 37.887 |
| | | 5795 | | 37.938 |

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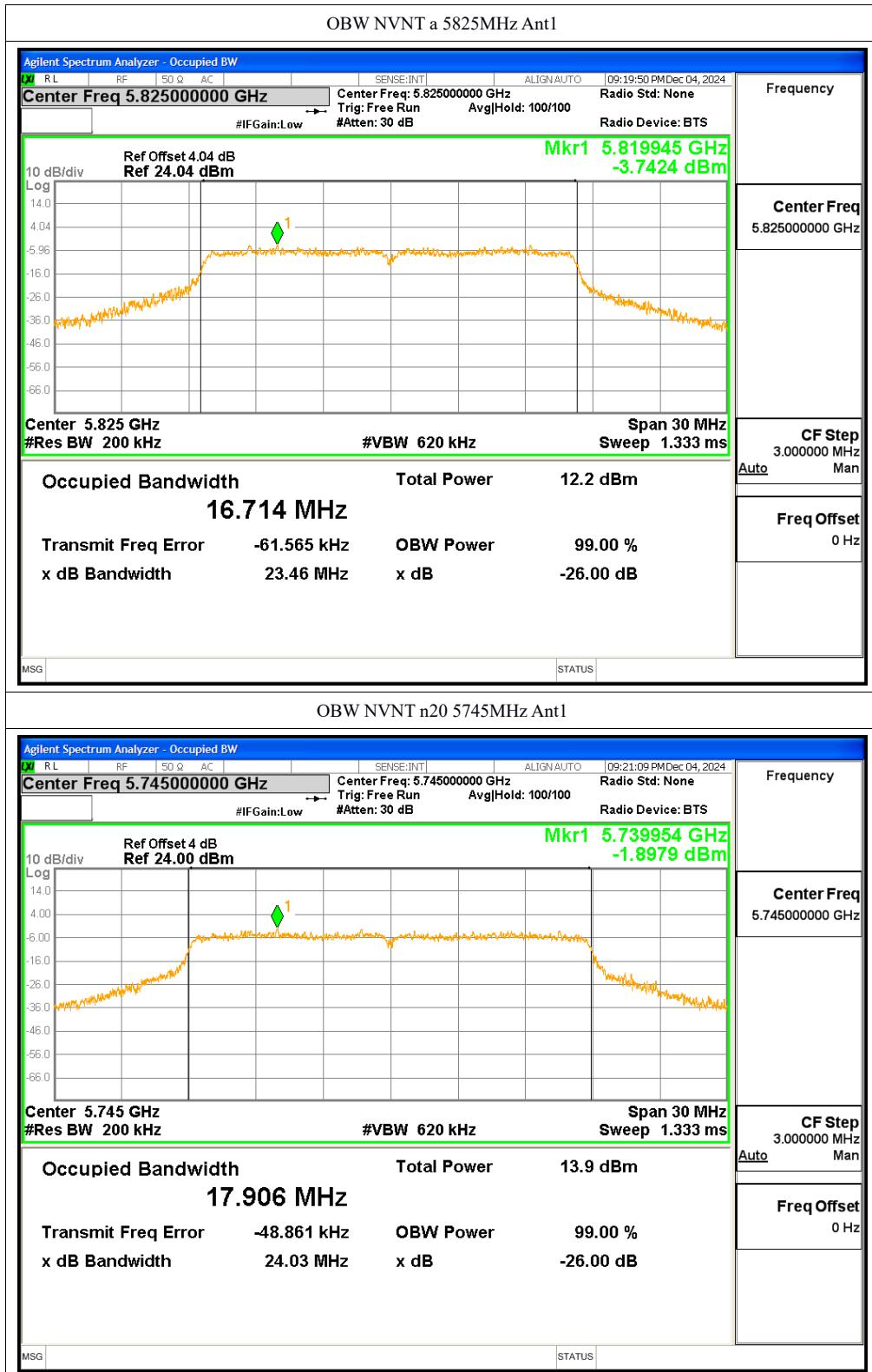
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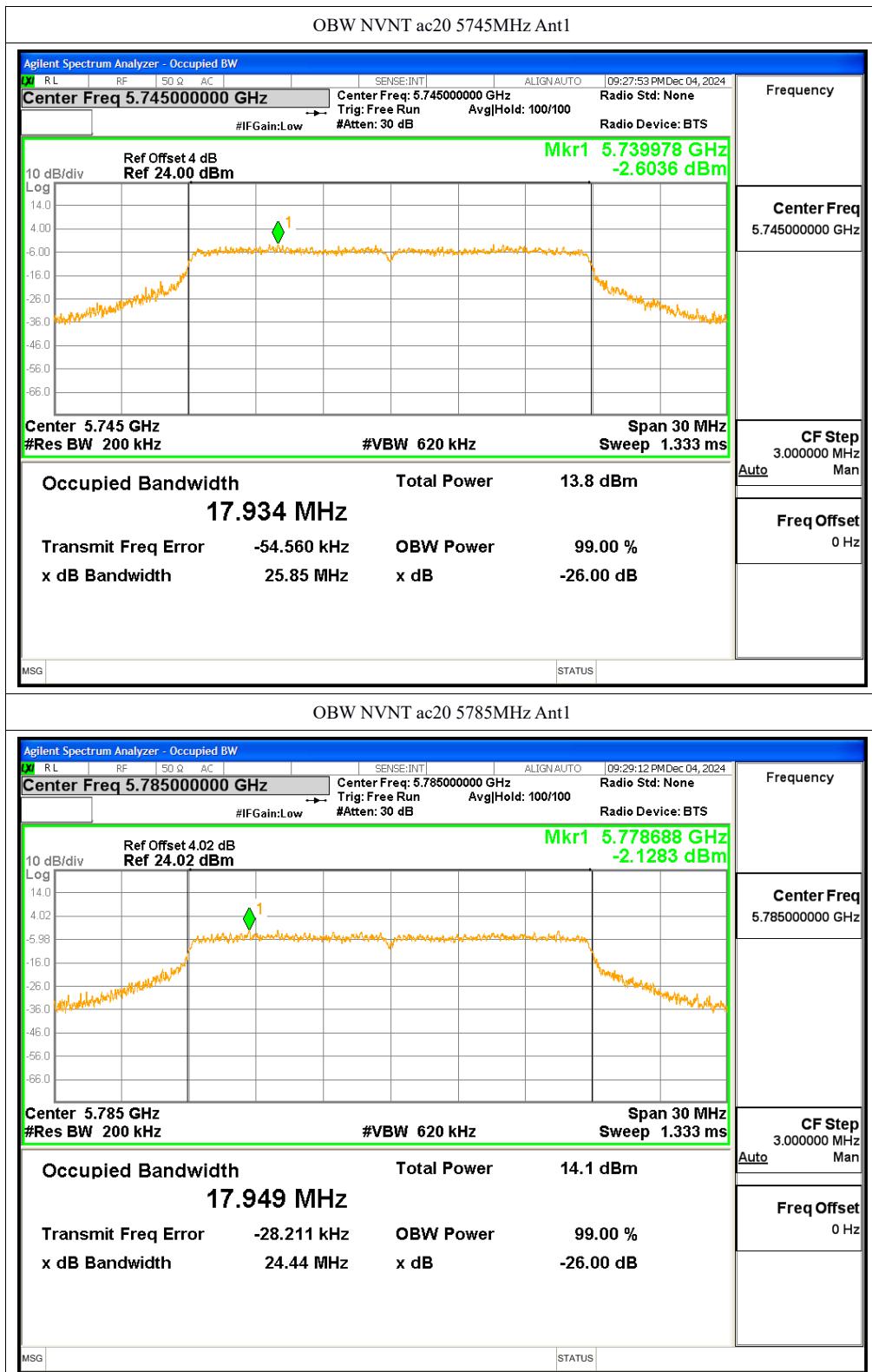
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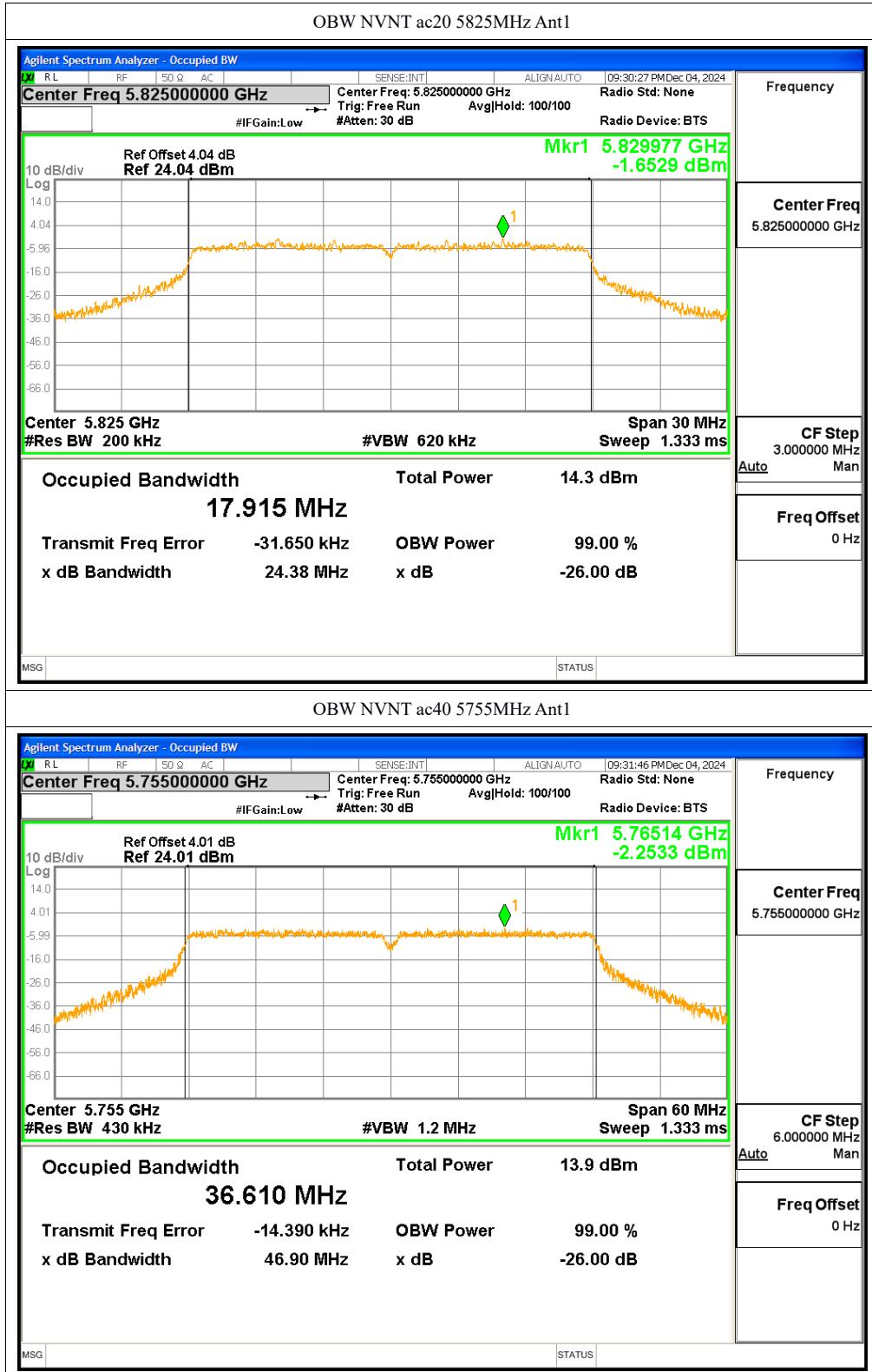
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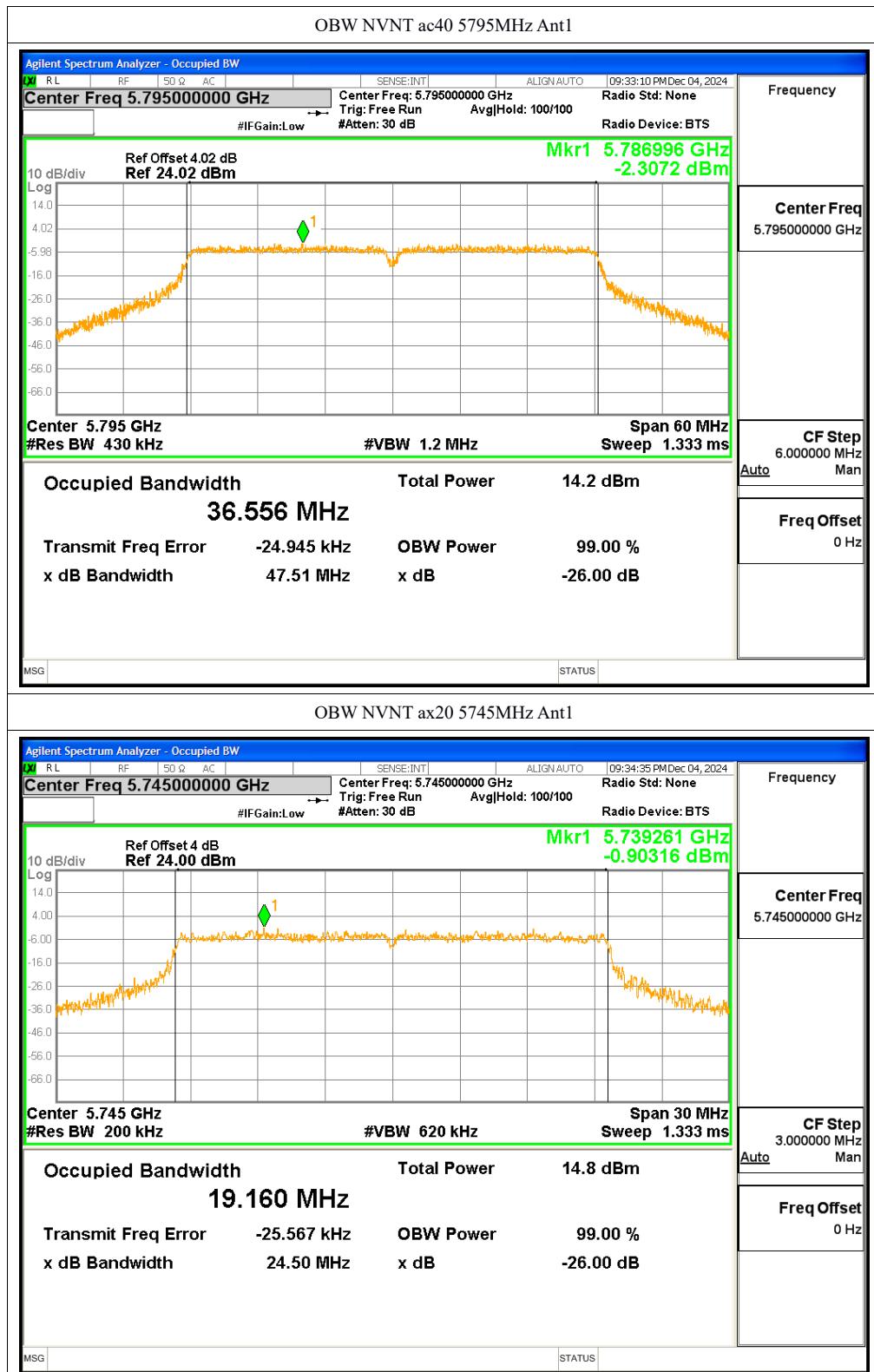
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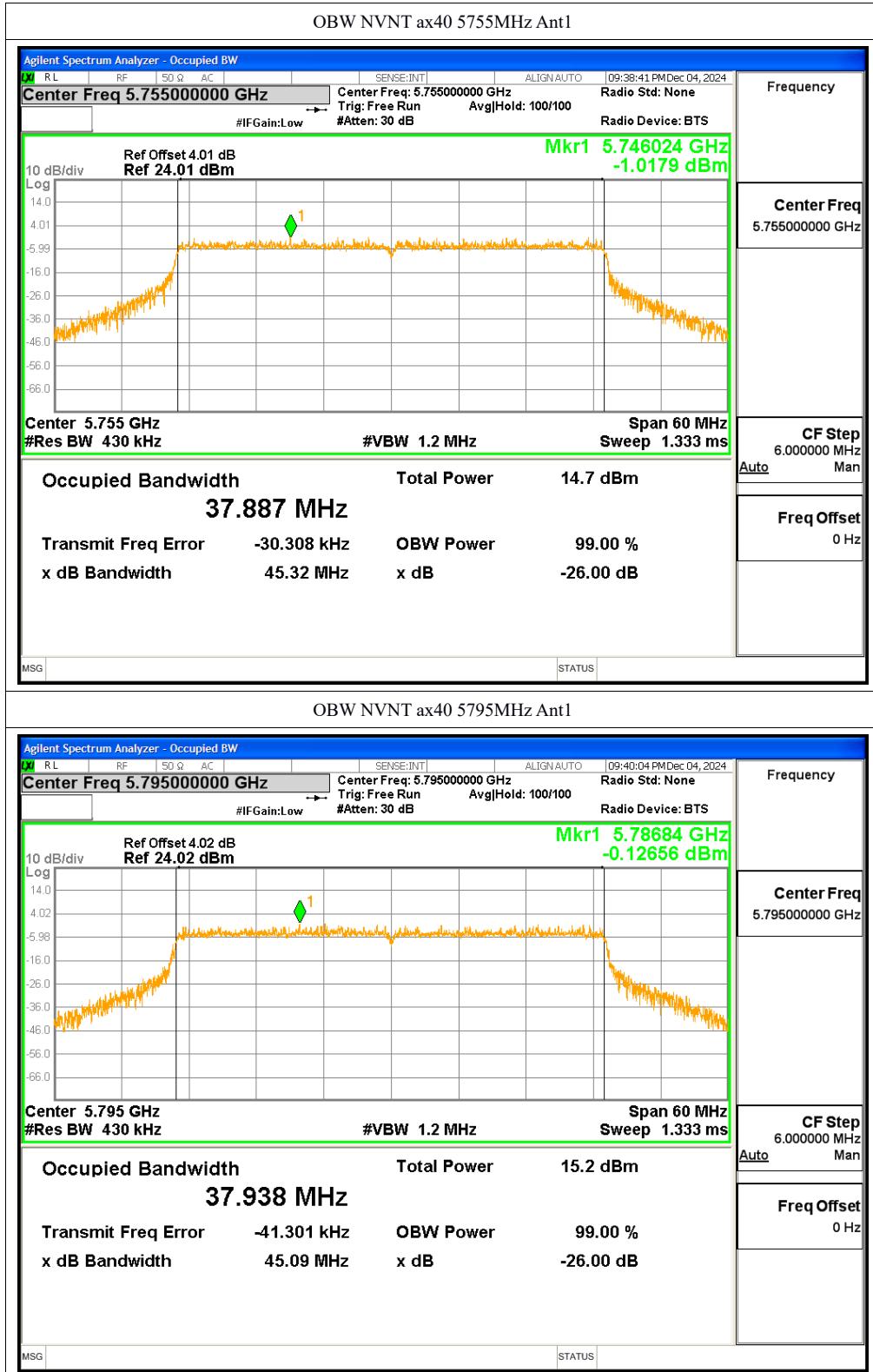
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