



Industrial Internet Innovation Center (Shanghai) Co.,Ltd.

SRD TEST REPORT

| | |
|--------------------|---|
| PRODUCT | 5G CPE |
| BRAND | ATEL |
| MODEL | PW550+, PW550, PW550 Plus, PW550 Pro, JW515, PW550-NA |
| APPLICANT | Asiatelco Technologies Co. |
| FCC ID | XYO-PW550NA |
| ISSUE DATE | September 30, 2024 |
| STANDARD(S) | FCC Part15E |

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1. Summary of Test Report

1.1 Test Standard(s)

| No. | Test Standard | Title | Version |
|-----|---------------|---|---------|
| 1 | FCC Part15E | Title 47 of the Code of Federal Regulations; Chapter I Part 15 - Radio frequency devices | -- |

1.2 Reference Documents

| No. | Test Standard | Title | Version |
|-----|--|--|---------|
| 1 | ANSI 63.10 | Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz | 2013 |
| 2 | KDB 789033 D02 General UNII Test Procedures New Rules v02r01 | Information Infrastructure (U-NII) Devices - Part 15, Subpart E | -- |

Note: The standard of KDB 789033 D02 General UNII Test Procedures New Rules v02r01 has not been accredited by A2LA.

1.3 Summary of Test Results

| No. | Measurement Items | FCC Rules | Verdict |
|-----|---|--------------------|-------------|
| 1 | Duty Cycle | 15.407(a) | Pass |
| 2 | Maximum Output Power | 15.407(a) | Pass |
| 3 | Power Spectral Density | 15.407(a) | Pass |
| 4 | 99% Occupied Bandwidth | N/A | Pass |
| 5 | -26dB Occupied Bandwidth | 15. 407(a) | Pass |
| 6 | Band edge compliance | 15.407(b) | Pass |
| 7 | Transmitter spurious emissions radiated | 15.209 & 15.407(b) | Pass |
| 8 | Frequency Stability | 15.407(g) | Pass |
| 9 | Transmit Power Control | 15.407(h) | N/A |
| 10 | AC Powerline Conducted Emission | 15.207 | Pass |
| 11 | Antenna requirement | 15.203 | Pass Note 2 |

Note 1:

The PW550,PW550Plus,PW550 Pro,JW515, PW550-NA,PW550+ manufactured by Asiatelco Technologies Co. is a new product for testing.

Industrial Internet Innovation Center (Shanghai) Co., Ltd. only performed test cases which identified with Pass/Fail/Inc result in section 1.3.

Industrial Internet Innovation Center (Shanghai) Co., Ltd. has verified that the compliance of the tested device specified in section 4 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 1 of this test report.

Note2:

5G RLAN used a internal antenna with max Gain 6.05/5.28 dBi that complied with 15.203 Requirements.

1.4 Data Provided by Applicant

| No. | Item(s) | Data |
|-----|---------------------|----------------------------------|
| 1 | Antenna gain of EUT | ANT1: 6.05 dBi ANT2: 5.28 dBi |

Note: The data of antenna gain is provided by the Antenna specification may affect the validity of the test results in this report, and the impact and consequences of this shall be undertaken by the customer.

Cyclic Delay Diversity(CDD)System:

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

If all antennas have the same gain, G_{ANT} , Directional gain = $G_{ANT} + \text{Array Gain}$, where Array Gain is as follows.

For power spectral density (PSD) measurements on all devices,

$$\text{Array Gain} = 10 \log(N_{ANT}/NSS) \text{ dB.}$$

For power measurements on IEEE 802.11 devices, 1,2

$\text{Array Gain} = 0 \text{ dB}$ (i.e., no array gain) for $N_{ANT} \leq 4$;

$\text{Array Gain} = 0 \text{ dB}$ (i.e., no array gain) for channel widths $\geq 40 \text{ MHz}$ for any N_{ANT} ;

$\text{Array Gain} = 5 \log(N_{ANT}/NSS) \text{ dB}$ or 3 dB , whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

For power measurements on all other devices:

$\text{Array Gain} = 10 \log(N_{ANT}/NSS) \text{ dB.}$ The FCC may permit a lower array gain value based on analysis involving the specific cyclic delays, signal bandwidths, channelization, and antenna configurations used by the device. Contact the FCC through the Knowledge

Unequal antenna gains, with equal transmit powers. For antenna gains given by $G_1, G_2, \dots, G_N \text{ dBi}$

(i) If transmit signals are *correlated*, then

Directional gain = $10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}] \text{ dBi}$ [Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

(ii) If all transmit signals are *completely uncorrelated*, then

Directional gain = $10 \log[(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N_{ANT}] \text{ dBi}$

The Power and PSD limit should be modified if the directional gain of eut is over 6dbi.

The EUT supports CDD System Unequal antenna gain:

| Operation Frequency | ANT Gain1 (dBi) | ANT Gain2 (dBi) | Directional gainFor Power (dBi) | Directional gainFor PSD(dBi) | Power Limit Reduction (dBm) | PSD Limit Reduction (dBm) |
|---------------------|-----------------|-----------------|---------------------------------|------------------------------|-----------------------------|---------------------------|
| 5150MHz -5250MHz | 6.05 | 5.28 | 8.68 | 8.68 | 2.68 | 2.68 |
| 5725MHz -5850MHz | 4.85 | 3.50 | 7.21 | 7.21 | 1.21 | 1.21 |

5150MHz to 5250MHz:Power Limit Reduction = Directional gain- 6dB, (Directional gain >6dB) = 8.68-6=2.68

PSD Limit Reduction= Directional gain -6dB, (Directional gain> 6dB)=8.68-6=2.68

5725MHz to 5850MHz:Power Limit Reduction = Directional gain- 6dB, (Directional gain> 6dB) =7.21-6=1.21

PSD Limit Reduction= Directional gain -6dB, (Directional gain > 6dB)=7.21-6= 1.21

2. General Information of The Laboratory

2.1 Testing Laboratory

| | |
|----------------------|--|
| Lab Name | Industrial Internet Innovation Center (Shanghai) Co.,Ltd. |
| Address | Building 4, No. 766, Jingang Road, Pudong, Shanghai, China |
| Telephone | 021-68866880 |
| FCC Registration No. | 708870 |
| FCC Designation No. | CN1364 |

2.2 Laboratory Environmental Requirements

| | |
|----------------------|--------------|
| Temperature | 15°C~35°C |
| Relative Humidity | 25%RH~75%RH |
| Atmospheric Pressure | 86kPa~106kPa |

2.3 Project Information

| | |
|-----------------|---------------------------------------|
| Project Manager | Xu Yuting |
| Test Date | August 26, 2024 to September 25, 2024 |

3. General Information of The Customer

3.1 Applicant

| | |
|-----------|--|
| Company | Asiatelco Technologies Co. |
| Address | #68 HuaTuo Road, Building-8, Zhangjiang Hi-Tech Park, Pudong, Shanghai 201204, China |
| Telephone | N/A |

3.2 Manufacturer

| | |
|-----------|--|
| Company | Asiatelco Technologies Co. |
| Address | #68 HuaTuo Road, Building-8, Zhangjiang Hi-Tech Park, Pudong, Shanghai 201204, China |
| Telephone | N/A |

4. General Information of The Product

4.1 Product Description for Equipment under Test (EUT)

| | |
|---|--|
| Product Name | 5G CPE |
| Model name | PW550, PW550 Plus, PW550 Pro, JW515, PW550-NA, PW550+ |
| Date of Receipt | S01aa/S04aa:August 26,2024 |
| EUT ID* | S01aa/S04aa |
| SN/IMEI | S01aa:862424050281897 S04aa:NA |
| Supported Radio Technology and Bands | WCDMA Band II/IV/V LTE Band 2/4/5/7/12/13/14/17/25/26/30/41/48/66/71 LTE Band CA_41C NR n2/n5/n7/n12/n14/n25/n30/n41/n66/n71/n77/n78 WLAN 802.11b/g/n/ax WLAN 802.11a/ac/ax BT 5.0 BLE |
| Hardware Version | PW55-P1 |
| Software Version | CPE5_PW550_N0_00_v1.0.2 |
| FCC ID | XYO-PW550NA |
| NOTE1: EUT ID is the internal identification code of the laboratory. | |
| NOTE2: Samples in the test report are provided by the customer. The test results are only applicable to the samples received by the laboratory. | |

4.2 Internal Identification of AE used during the test

| AE ID* | Description | Model | SN/Remark |
|--------|-------------|-------|-----------|
| AE1 | RF cable | N/A | N/A |

NOTE: *AE ID is the internal identification code of the laboratory.

4.3 Additional Information

| | |
|----------------------------|--|
| WLAN Frequency | UNII 1: 5150MHz-5240MHz |
| Occupied Channel Bandwidth | 20 MHz: 802.11 a/ac/ax 40 MHz: 802.11 ac/ax 80 MHz: 802.11 ac/ax |
| WLAN type of modulation | OFDM |

Test frequency list:

UNII-1:

| | | | | | | | |
|--------|-------------|------|------|------|------|--|--|
| BW_20M | Channel | 36 | 40 | 44 | 48 | | |
| | Freq. (MHz) | 5180 | 5200 | 5220 | 5240 | | |
| BW_40M | Channel | 38 | | 46 | | | |
| | Freq. (MHz) | 5190 | | 5230 | | | |
| BW_80M | Channel | 42 | | | | | |
| | Freq. (MHz) | 5210 | | | | | |

Note: This report is for WLAN UNII-1, UNII-2A and UNII-2C only.

4.4 Emissions Information WIFI 5G

| TestMode | TestBand | Frequency Min(MHz) | Frequency Max(MHz) | Max OutPut Power EIRP(dBm) | Max OutPut Power EIRP(W) | OBW (KHz) | Necessary Bandwidth & Emission Classification |
|----------|----------|--------------------|--------------------|----------------------------|--------------------------|-----------|---|
| 11A | UNII-1 | 5180 | 5240 | 26.58 | 0.455 | 17160 | 17M2D1D |
| 11AC20 | UNII-1 | 5180 | 5240 | 26.45 | 0.4416 | 18040 | 18M0D1D |
| 11AC40 | UNII-1 | 5190 | 5230 | 28.69 | 0.7396 | 36400 | 36M4D1D |
| 11AC80 | UNII-1 | 5210 | 5210 | 19.3 | 0.0851 | 75200 | 75M2D1D |
| 11AX20 | UNII-1 | 5180 | 5240 | 26.23 | 0.4198 | 19600 | 19M6D1D |
| 11AX40 | UNII-1 | 5190 | 5230 | 29.23 | 0.8375 | 37680 | 37M7D1D |
| 11AX80 | UNII-1 | 5210 | 5210 | 19.47 | 0.0885 | 77120 | 77M1D1D |

5. Test Configuration Information

5.1 Laboratory Environmental Conditions

5.1.1 Permanent Facilities

| | | | |
|------------------------|--------------------------|---------|---------|
| Relative Humidity | Min. = 45 %, Max. = 55 % | | |
| Atmospheric Pressure | 101kPa | | |
| Temperature | Normal | Minimum | Maximum |
| | 25°C | -20°C | 60°C |
| Working Voltage of EUT | Normal | Minimum | Maximum |
| | 24V | 22.8V | 25.2V |

5.2 Test Equipments Utilized

5.2.1 Conducted Test System

| No. | Name | Model | S/N | SW Version | HW Version | Manufacturer | Cal. Date | Cal. Interval |
|-----|---|---------------|-------------------|--------------------|------------|--------------|------------|---------------|
| 1 | Test Software | TS1120 | 10671 | V3.2.22 | N/A | Tonscend | N/A | N/A |
| 2 | Automatic control unit | JS0806-2 | 2218060621 | N/A | N/A | Tonscend | 2024-03-25 | 1 Year |
| 3 | Wireless communication comprehensive tester | CMW270 | 100919 | V3.5.137 | N/A | R&S | 2024-07-25 | 1 Year |
| 4 | Spectrum Analyzer | FSQ40 | 200063 | V4.75 | N/A | R&S | 2023-10-16 | 1 Year |
| 5 | Vector Signal Generator | SMU200A | 104684 | V03.20.286.21 | N/A | R&S | 2024-07-25 | 1 Year |
| 6 | Vector Signal Generator | SMBV100A | 257904 | V4.15.125.49 | N/A | R&S | 2023-12-19 | 1 Year |
| 7 | Programmable Power Supply | Keithley 2303 | 4039070 | N/A | N/A | Keithley | 2024-06-07 | 1 Year |
| 8 | Temperature box | B-TF-107C | BTf107C-201804107 | N/A | N/A | Boyi | 2024-06-07 | 1 Year |
| 9 | Network test unit AP | GT-AXE11000 | N2IG0X401637KWF | V3.0.0.4.386_45940 | N/A | ASUS | N/A | N/A |
| 10 | Vector Signal Generator | SMBV100A | 257904 | V4.15.125.49 | N/A | R&S | 2023-10-16 | 1 Year |

5.2.2 Radiated Emission Test System

| No. | Name | Model | S/N | SW Version | HW Version | Manufacturer | Cal. Date | Cal. Interval |
|-----|--------------------------------------|-----------------|----------|------------|---------------|---------------|------------|---------------|
| 1 | Universal Radio Communication Tester | CMU200 | 123126 | V5.2.1 | B12 | R&S | 2023-10-16 | 1 Year |
| 2 | Universal Radio Communication Tester | CMW500 | 104178 | V3.7.20 | 1206.06 00.00 | R&S | 2023-10-16 | 1 Year |
| 3 | EMI Test Receiver | ESU40 | 100307 | V5.1-24-3 | 01 | R&S | 2023-12-19 | 1 Year |
| 4 | TRILOG Broadband Antenna | VULB9163 | 01345 | N/A | N/A | Schwarzbeck | 2024-03-29 | 1 Year |
| 5 | Double- ridged Waveguide Antenna | ETS-3117 | 00135890 | N/A | N/A | ETS | 2024-03-16 | 1 Years |
| 6 | EMI Test Software | EMC32 V10.35.02 | N/A | V10.35.02 | N/A | R&S | N/A | N/A |
| 7 | Horn Antenna | 3160-09 | LM6321 | N/A | N/A | R&S | 2024-08-03 | 1 Year |
| 8 | Horn Antenna | 3160-10 | LM5942 | N/A | N/A | R&S | 2024-08-03 | 1 Year |
| 9 | Preamplifier | SCU08F1 | 8320024 | N/A | N/A | R&S | 2023-10-16 | 1 Year |
| 10 | Preamplifier | SCU18 | 10155 | N/A | N/A | R&S | 2023-10-16 | 1 Year |
| 11 | Preamplifier | SCU26 | 10025 | N/A | N/A | R&S | 2023-10-16 | 1 Year |
| 12 | Preamplifier | SCU40 | 10020 | N/A | N/A | R&S | 2023-10-16 | 1 Year |
| 13 | 2-Line V-Network | ENV216 | 101380 | N/A | N/A | R&S | 2023-12-19 | 1 Year |
| 14 | EMI Test Software | EMC32 V10.35.02 | N/A | N/A | N/A | R&S | N/A | N/A |
| 15 | Test Receiver | ESCI | 101235 | V5.1-24-3 | 0 | R&S | 2023-12-19 | 1 Year |
| 16 | Antenna Tower | TPMDC-LF | N/A | N/A | N/A | Top Precision | N/A | N/A |
| 17 | Antenna Tower | TPMDC-HF | N/A | N/A | N/A | Top Precision | N/A | N/A |

5.2.3 Test Environment

Shielding Room1 (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits along the conducted RF performance testing:

| | |
|--------------------------|----------------------------|
| Temperature | Min. = 15 °C, Max. = 35 °C |
| Relative humidity | Min. = 20 %, Max. = 75 % |
| Shielding effectiveness | > 100 dB |
| Ground system resistance | < 0.5 Ω |
| Temperature | Min. = 15 °C, Max. = 35 °C |

Control room did not exceed following limits along the EMC testing:

| | |
|--------------------------|----------------------------|
| Temperature | Min. = 15 °C, Max. = 35 °C |
| Relative humidity | Min. = 30 %, Max. = 60 % |
| Shielding effectiveness | > 100 dB |
| Electrical insulation | > 10 kΩ |
| Ground system resistance | < 0.5 Ω |

Fully-anechoic chamber1 (9.8 meters×6.7 meters×6.7 meters) did not exceed following limits along the EMC testing:

| | |
|----------------------------|--|
| Temperature | Min. = 15 °C, Max. = 35 °C |
| Relative humidity | Min. = 25 %, Max. = 75 % |
| Shielding effectiveness | > 100 dB |
| Electrical insulation | > 10 kΩ |
| Ground system resistance | < 0.5 Ω |
| VSWR | Between 0 and 6 dB, from 1GHz to 18GHz |
| Site Attenuation Deviation | Between -4 and 4 dB, 30MHz to 1GHz |

5.3 Measurement Uncertainty

Measurement Uncertainty of Conduction test

| Measurement Items | Range | Confidence Level | Calculated Uncertainty |
|--------------------------------|--------------|------------------|--|
| Emission Bandwidth | 5150-5850MHz | 95% | ±1.9% |
| Maximum Conduct Output Power | 5150-5850MHz | 95% | ± 1.18 dB |
| Power Spectral Density | 5150-5850MHz | 95% | ±0.98 dB |
| Band Edge Measurements | 5150-5850MHz | 95% | ±1.21dB |
| Unwanted Emissions Measurement | 9kHz-40GHz | 95% | 9kHz-7GHz:±1.21dB 7GHz-40GHz: ±3.31dB |

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| | | | |
|---------------------|--------------|-----|-------|
| Frequency Stability | 5150-5850MHz | 95% | ±1.9% |
|---------------------|--------------|-----|-------|

Measurement Uncertainty of Radiation test

| Measurement Items | Uncertainty(dB) |
|-------------------------------------|-----------------|
| Radiated Emission 30MHz-1000MHz | ±5.10 |
| Radiated Emission 1000MHz-18000MHz | ±5.66 |
| Radiated Emission 18000MHz-40000MHz | ±5.22 |
| AC Powerline Conducted Emission | ±4.38 |

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.

6. Measurement Results

6.1. Duty Cycle

6.1.1. Measurement Limit and Method

| Standard | Limit (dBm) |
|---------------------------|-------------|
| FCC 47 CFR Part 15.407(a) | N/A |

6.1.2. Test Procedure

The measurement method is made according to KDB 789033 B

Measurements of duty cycle and transmission duration shall be performed using one of the following techniques:

- a) A diode detector and an oscilloscope that together have sufficiently short response time to permit accurate measurements of the on and off times of the transmitted signal.
- b) The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission, Set RBW > EBW if possible; otherwise, set RBW to the largest available value. Set VBW > RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T < 16.7 microseconds.)

6.1.3. Measurement Results

| TestMode | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|----------------|----------------------------|--------------------------|----------------|
| 11A | Ant1 | 5180 | 1.39 | 1.45 | 95.86 |
| 11A | Ant2 | 5180 | 1.39 | 1.45 | 95.86 |
| 11A | Ant1 | 5200 | 1.39 | 1.45 | 95.86 |
| 11A | Ant2 | 5200 | 1.40 | 1.46 | 95.89 |
| 11A | Ant1 | 5240 | 1.39 | 1.45 | 95.86 |
| 11A | Ant2 | 5240 | 1.39 | 1.45 | 95.86 |
| 11A-CDD | Ant1 | 5180 | 1.39 | 1.45 | 95.86 |
| 11A-CDD | Ant2 | 5180 | 1.39 | 1.45 | 95.86 |
| 11A-CDD | Ant1 | 5200 | 1.39 | 1.45 | 95.86 |
| 11A-CDD | Ant2 | 5200 | 1.40 | 1.46 | 95.89 |
| 11A-CDD | Ant1 | 5240 | 1.40 | 1.46 | 95.89 |
| 11A-CDD | Ant2 | 5240 | 1.39 | 1.45 | 95.86 |
| 11AC20SISO | Ant1 | 5180 | 1.31 | 1.37 | 95.62 |

| | | | | | |
|------------|------|------|------|------|-------|
| 11AC20SISO | Ant2 | 5180 | 1.31 | 1.37 | 95.62 |
| 11AC20SISO | Ant1 | 5200 | 1.32 | 1.37 | 96.35 |
| 11AC20SISO | Ant2 | 5200 | 1.31 | 1.37 | 95.62 |
| 11AC20SISO | Ant1 | 5240 | 1.32 | 1.38 | 95.65 |
| 11AC20SISO | Ant2 | 5240 | 1.32 | 1.37 | 96.35 |
| 11AC20MIMO | Ant1 | 5180 | 0.68 | 0.74 | 91.89 |
| 11AC20MIMO | Ant2 | 5180 | 0.68 | 0.74 | 91.89 |
| 11AC20MIMO | Ant1 | 5200 | 0.68 | 0.74 | 91.89 |
| 11AC20MIMO | Ant2 | 5200 | 0.69 | 0.74 | 93.24 |
| 11AC20MIMO | Ant1 | 5240 | 0.69 | 0.75 | 92.00 |
| 11AC20MIMO | Ant2 | 5240 | 0.68 | 0.74 | 91.89 |
| 11AC40SISO | Ant1 | 5190 | 0.66 | 0.71 | 92.96 |
| 11AC40SISO | Ant2 | 5190 | 0.66 | 0.72 | 91.67 |
| 11AC40SISO | Ant1 | 5230 | 0.66 | 0.72 | 91.67 |
| 11AC40SISO | Ant2 | 5230 | 0.65 | 0.71 | 91.55 |
| 11AC40MIMO | Ant1 | 5190 | 0.36 | 0.41 | 87.80 |
| 11AC40MIMO | Ant2 | 5190 | 0.36 | 0.41 | 87.80 |
| 11AC40MIMO | Ant1 | 5230 | 0.35 | 0.41 | 85.37 |
| 11AC40MIMO | Ant2 | 5230 | 0.35 | 0.41 | 85.37 |
| 11AC80SISO | Ant1 | 5210 | 0.32 | 0.38 | 84.21 |
| 11AC80SISO | Ant2 | 5210 | 0.32 | 0.38 | 84.21 |
| 11AC80MIMO | Ant1 | 5210 | 0.19 | 0.25 | 76.00 |
| 11AC80MIMO | Ant2 | 5210 | 0.19 | 0.24 | 79.17 |
| 11AX20SISO | Ant1 | 5180 | 1.03 | 1.09 | 94.50 |
| 11AX20SISO | Ant2 | 5180 | 1.03 | 1.09 | 94.50 |
| 11AX20SISO | Ant1 | 5200 | 1.03 | 1.09 | 94.50 |
| 11AX20SISO | Ant2 | 5200 | 1.03 | 1.08 | 95.37 |
| 11AX20SISO | Ant1 | 5240 | 1.03 | 1.08 | 95.37 |
| 11AX20SISO | Ant2 | 5240 | 1.03 | 1.09 | 94.50 |
| 11AX20MIMO | Ant1 | 5180 | 0.21 | 0.27 | 77.78 |
| 11AX20MIMO | Ant2 | 5180 | 0.20 | 0.26 | 76.92 |
| 11AX20MIMO | Ant1 | 5200 | 0.21 | 0.26 | 80.77 |
| 11AX20MIMO | Ant2 | 5200 | 0.20 | 0.26 | 76.92 |
| 11AX20MIMO | Ant1 | 5240 | 0.20 | 0.26 | 76.92 |
| 11AX20MIMO | Ant2 | 5240 | 0.21 | 0.26 | 80.77 |
| 11AX40SISO | Ant1 | 5190 | 0.54 | 0.60 | 90.00 |
| 11AX40SISO | Ant2 | 5190 | 0.55 | 0.61 | 90.16 |
| 11AX40SISO | Ant1 | 5230 | 0.55 | 0.60 | 91.67 |
| 11AX40SISO | Ant2 | 5230 | 0.55 | 0.61 | 90.16 |
| 11AX40MIMO | Ant1 | 5190 | 0.21 | 0.26 | 80.77 |
| 11AX40MIMO | Ant2 | 5190 | 0.20 | 0.26 | 76.92 |
| 11AX40MIMO | Ant1 | 5230 | 0.20 | 0.26 | 76.92 |

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| | | | | | |
|------------|------|------|------|------|-------|
| 11AX40MIMO | Ant2 | 5230 | 0.20 | 0.26 | 76.92 |
| 11AX80ISO | Ant1 | 5210 | 0.29 | 0.35 | 82.86 |
| 11AX80ISO | Ant2 | 5210 | 0.30 | 0.36 | 83.33 |
| 11AX80MIMO | Ant1 | 5210 | 0.20 | 0.26 | 76.92 |
| 11AX80MIMO | Ant2 | 5210 | 0.20 | 0.26 | 76.92 |

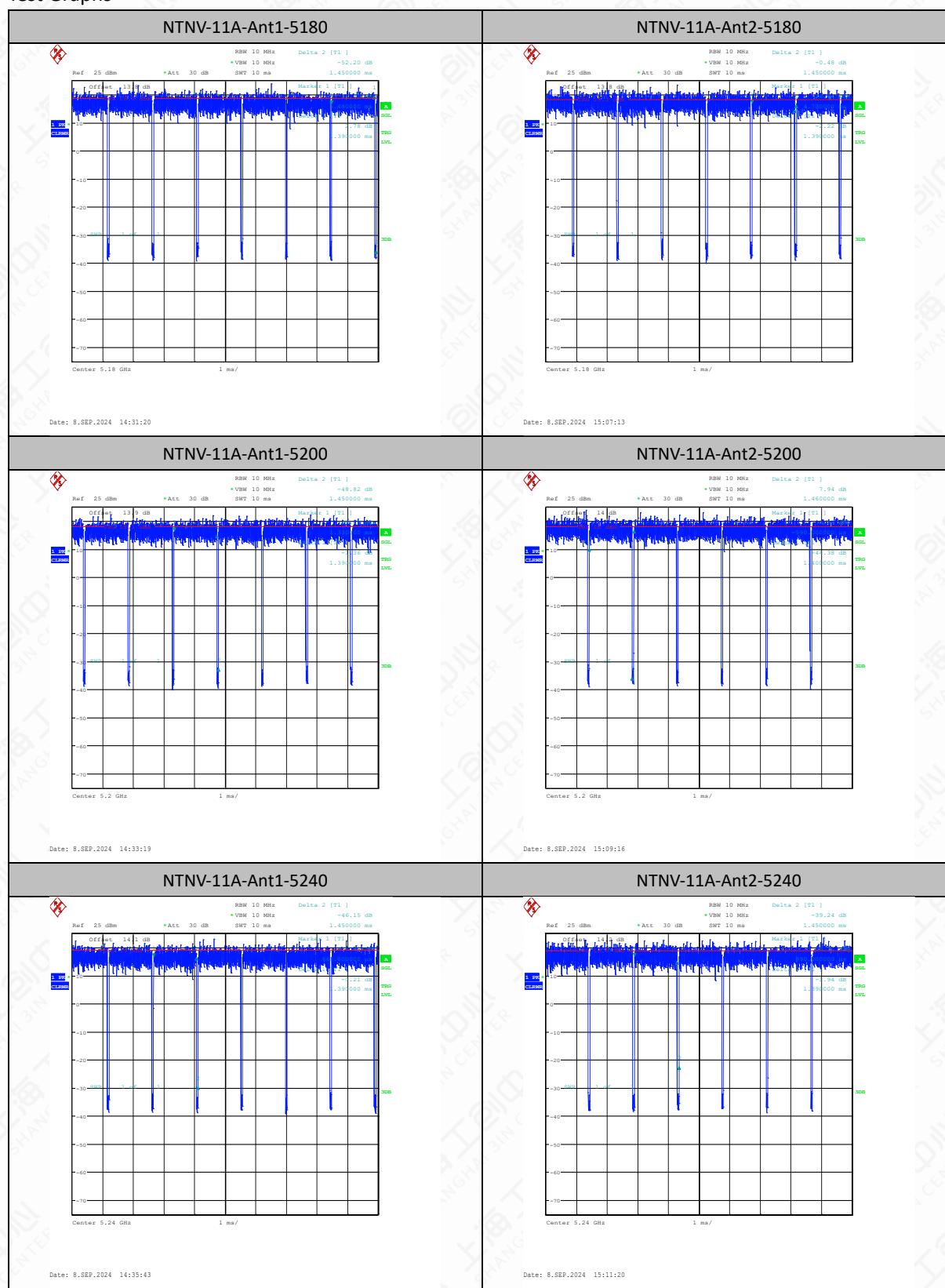
AX Part RU_Multi-User

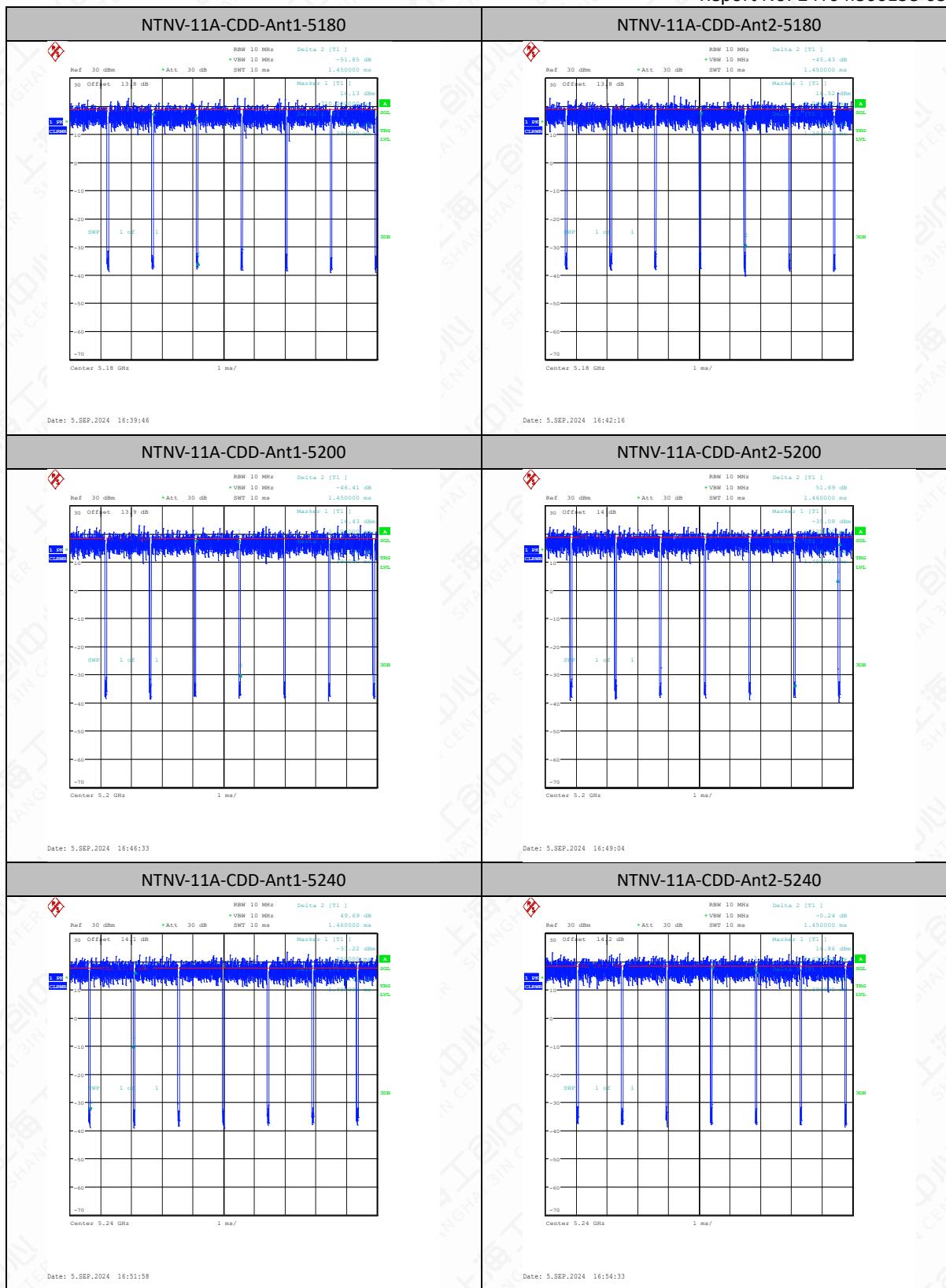
| TestMode | Antenna | Frequency [MHz] | RuSize | RuIndex | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] |
|------------|---------|-----------------|---------|---------|----------------------------|--------------------------|----------------|
| 11AX20ISO | Ant1 | 5180 | 26Tone | RU0 | 0.01 | 0.07 | 14.29 |
| 11AX20ISO | Ant2 | 5180 | 26Tone | RU0 | 0.49 | 0.55 | 89.09 |
| 11AX20ISO | Ant1 | 5180 | 52Tone | RU37 | 0.54 | 0.60 | 90.00 |
| 11AX20ISO | Ant2 | 5180 | 52Tone | RU37 | 0.55 | 0.61 | 90.16 |
| 11AX20ISO | Ant1 | 5180 | 106Tone | RU53 | 0.40 | 0.46 | 86.96 |
| 11AX20ISO | Ant2 | 5180 | 106Tone | RU53 | 0.39 | 0.45 | 86.67 |
| 11AX20ISO | Ant1 | 5200 | 26Tone | RU0 | 0.07 | 0.13 | 53.85 |
| 11AX20ISO | Ant2 | 5200 | 26Tone | RU0 | 0.82 | 0.87 | 94.25 |
| 11AX20ISO | Ant1 | 5200 | 52Tone | RU37 | 0.55 | 0.61 | 90.16 |
| 11AX20ISO | Ant2 | 5200 | 52Tone | RU37 | 0.54 | 0.60 | 90.00 |
| 11AX20ISO | Ant1 | 5200 | 106Tone | RU53 | 0.40 | 0.45 | 88.89 |
| 11AX20ISO | Ant2 | 5200 | 106Tone | RU53 | 0.40 | 0.46 | 86.96 |
| 11AX20ISO | Ant1 | 5240 | 26Tone | RU0 | 0.04 | 0.09 | 44.44 |
| 11AX20ISO | Ant2 | 5240 | 26Tone | RU0 | 0.82 | 0.88 | 93.18 |
| 11AX20ISO | Ant1 | 5240 | 52Tone | RU37 | 0.54 | 0.60 | 90.00 |
| 11AX20ISO | Ant2 | 5240 | 52Tone | RU37 | 0.55 | 0.60 | 91.67 |
| 11AX20ISO | Ant1 | 5240 | 106Tone | RU53 | 0.40 | 0.46 | 86.96 |
| 11AX20ISO | Ant2 | 5240 | 106Tone | RU53 | 0.40 | 0.45 | 88.89 |
| 11AX20MIMO | Ant1 | 5180 | 26Tone | RU0 | 0.46 | 0.51 | 90.20 |
| 11AX20MIMO | Ant2 | 5180 | 26Tone | RU0 | 0.13 | 0.19 | 68.42 |
| 11AX20MIMO | Ant1 | 5180 | 52Tone | RU37 | 0.54 | 0.60 | 90.00 |
| 11AX20MIMO | Ant2 | 5180 | 52Tone | RU37 | 0.26 | 0.32 | 81.25 |
| 11AX20MIMO | Ant1 | 5180 | 106Tone | RU53 | 0.40 | 0.45 | 88.89 |
| 11AX20MIMO | Ant2 | 5180 | 106Tone | RU53 | 0.39 | 0.45 | 86.67 |
| 11AX20MIMO | Ant1 | 5200 | 26Tone | RU0 | 0.57 | 0.63 | 90.48 |
| 11AX20MIMO | Ant2 | 5200 | 26Tone | RU0 | 3.25 | 3.49 | 93.12 |
| 11AX20MIMO | Ant1 | 5200 | 52Tone | RU37 | 0.54 | 0.60 | 90.00 |
| 11AX20MIMO | Ant2 | 5200 | 52Tone | RU37 | 0.54 | 0.60 | 90.00 |
| 11AX20MIMO | Ant1 | 5200 | 106Tone | RU53 | 0.39 | 0.45 | 86.67 |
| 11AX20MIMO | Ant2 | 5200 | 106Tone | RU53 | 0.40 | 0.46 | 86.96 |
| 11AX20MIMO | Ant1 | 5240 | 26Tone | RU0 | 0.14 | 0.20 | 70.00 |
| 11AX20MIMO | Ant2 | 5240 | 26Tone | RU0 | 0.21 | 0.27 | 77.78 |
| 11AX20MIMO | Ant1 | 5240 | 52Tone | RU37 | 0.54 | 0.60 | 90.00 |
| 11AX20MIMO | Ant2 | 5240 | 52Tone | RU37 | 0.54 | 0.59 | 91.53 |

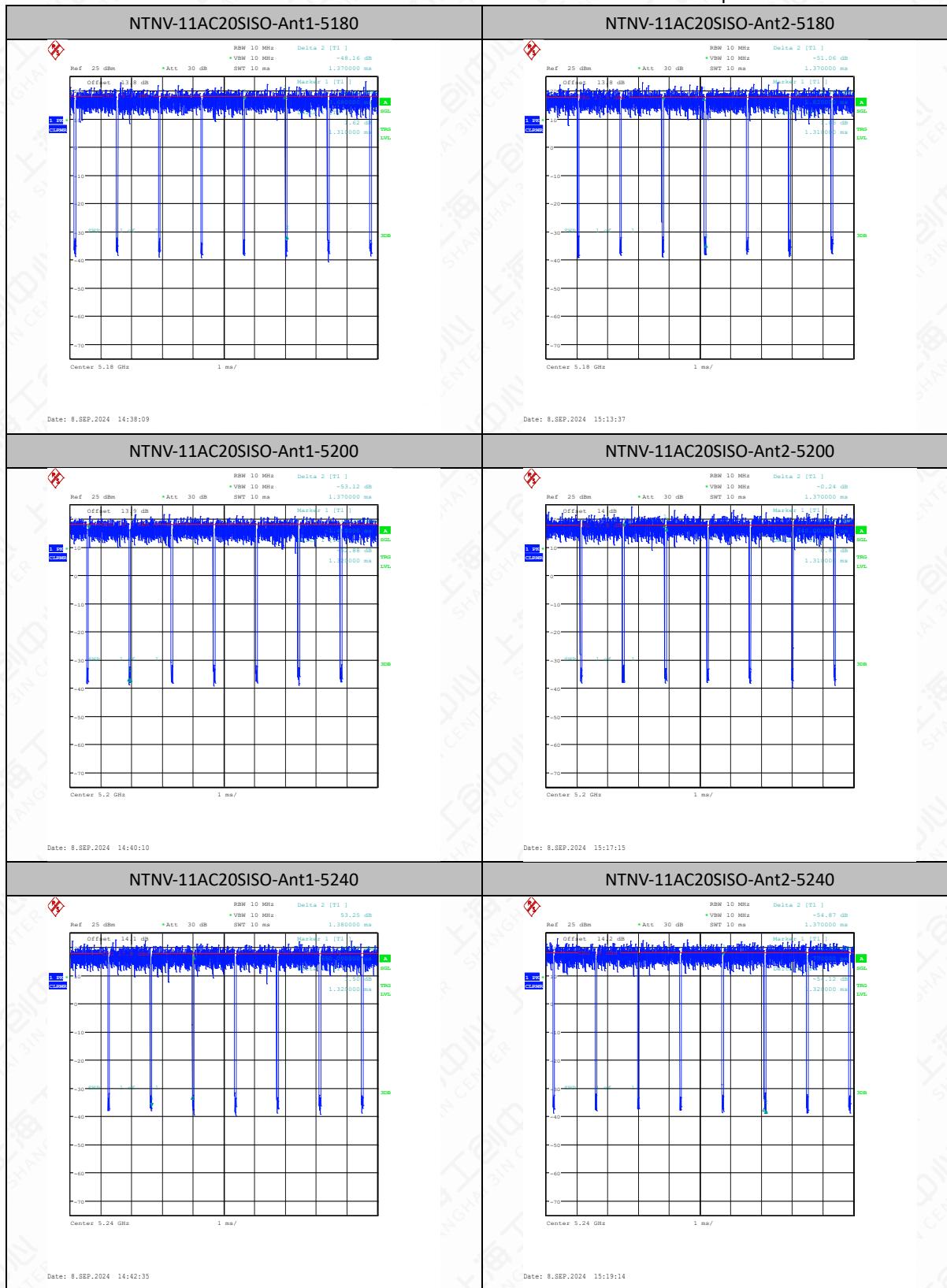
Report No: 24T04I300138-035

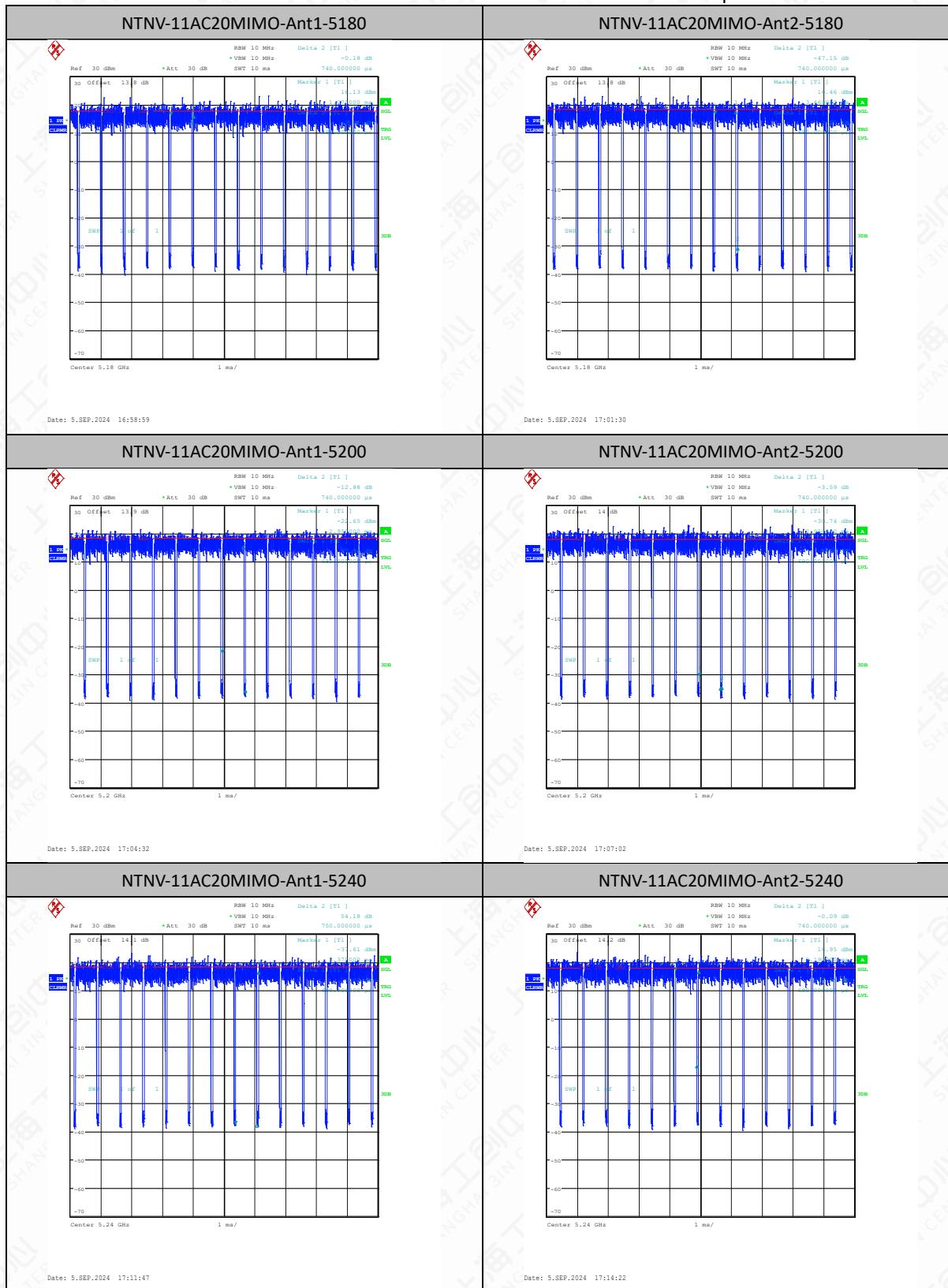
| | | | | | | | |
|-------------|------|------|---------|------|------|------|-------|
| 11AX20MIMO | Ant1 | 5240 | 106Tone | RU53 | 0.39 | 0.45 | 86.67 |
| 11AX20MIMO | Ant2 | 5240 | 106Tone | RU53 | 0.40 | 0.46 | 86.96 |
| 11AX40SISO | Ant1 | 5190 | 242Tone | RU61 | 0.31 | 0.37 | 83.78 |
| 11AX40SISO | Ant2 | 5190 | 242Tone | RU61 | 0.31 | 0.37 | 83.78 |
| 11AX40SISO | Ant1 | 5190 | 242Tone | RU62 | 0.31 | 0.37 | 83.78 |
| 11AX40SISO | Ant2 | 5190 | 242Tone | RU62 | 0.31 | 0.37 | 83.78 |
| 11AX40SISO | Ant1 | 5230 | 242Tone | RU61 | 0.31 | 0.37 | 83.78 |
| 11AX40SISO | Ant2 | 5230 | 242Tone | RU61 | 0.31 | 0.37 | 83.78 |
| 11AX40SISO | Ant1 | 5230 | 242Tone | RU62 | 0.31 | 0.37 | 83.78 |
| 11AX40SISO | Ant2 | 5230 | 242Tone | RU62 | 0.31 | 0.37 | 83.78 |
| 11AX40MIMO | Ant1 | 5190 | 242Tone | RU61 | 0.31 | 0.37 | 83.78 |
| 11AX40MIMO | Ant2 | 5190 | 242Tone | RU61 | 0.31 | 0.36 | 86.11 |
| 11AX40MIIMO | Ant1 | 5190 | 242Tone | RU62 | 0.31 | 0.37 | 83.78 |
| 11AX40MIIMO | Ant2 | 5190 | 242Tone | RU62 | 0.31 | 0.36 | 86.11 |
| 11AX40MIIMO | Ant1 | 5230 | 242Tone | RU61 | 0.31 | 0.37 | 83.78 |
| 11AX40MIIMO | Ant2 | 5230 | 242Tone | RU61 | 0.31 | 0.37 | 83.78 |
| 11AX40MIIMO | Ant1 | 5230 | 242Tone | RU62 | 0.31 | 0.37 | 83.78 |
| 11AX40MIIMO | Ant2 | 5230 | 242Tone | RU62 | 0.31 | 0.37 | 83.78 |
| 11AX80SISO | Ant1 | 5210 | 484Tone | RU65 | 0.29 | 0.35 | 82.86 |
| 11AX80SISO | Ant2 | 5210 | 484Tone | RU65 | 0.30 | 0.36 | 83.33 |
| 11AX80MIMO | Ant1 | 5210 | 484Tone | RU65 | 0.00 | 0.06 | 100 |
| 11AX80MIMO | Ant2 | 5210 | 484Tone | RU65 | 0.29 | 0.35 | 82.86 |

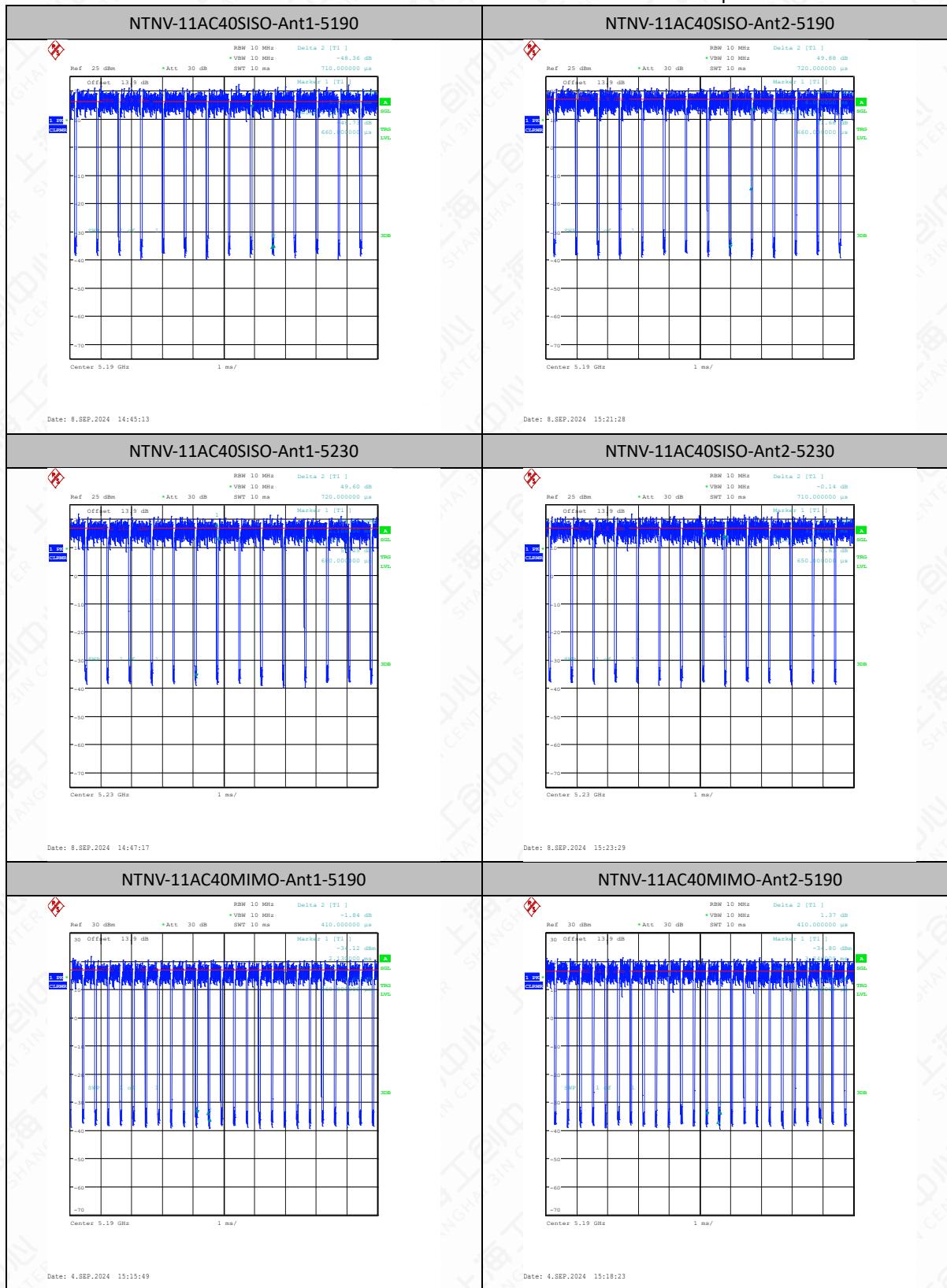
Test Graphs

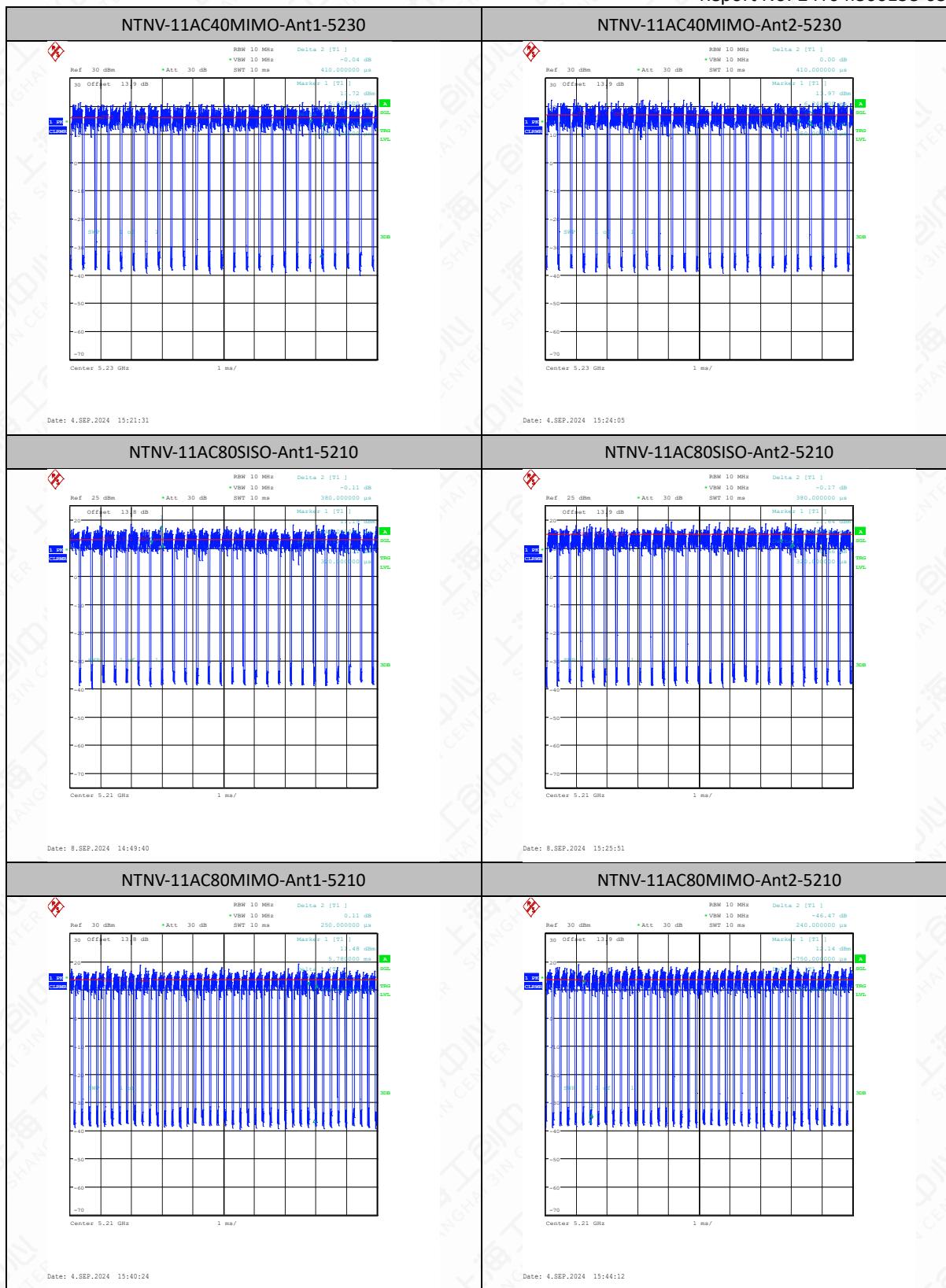


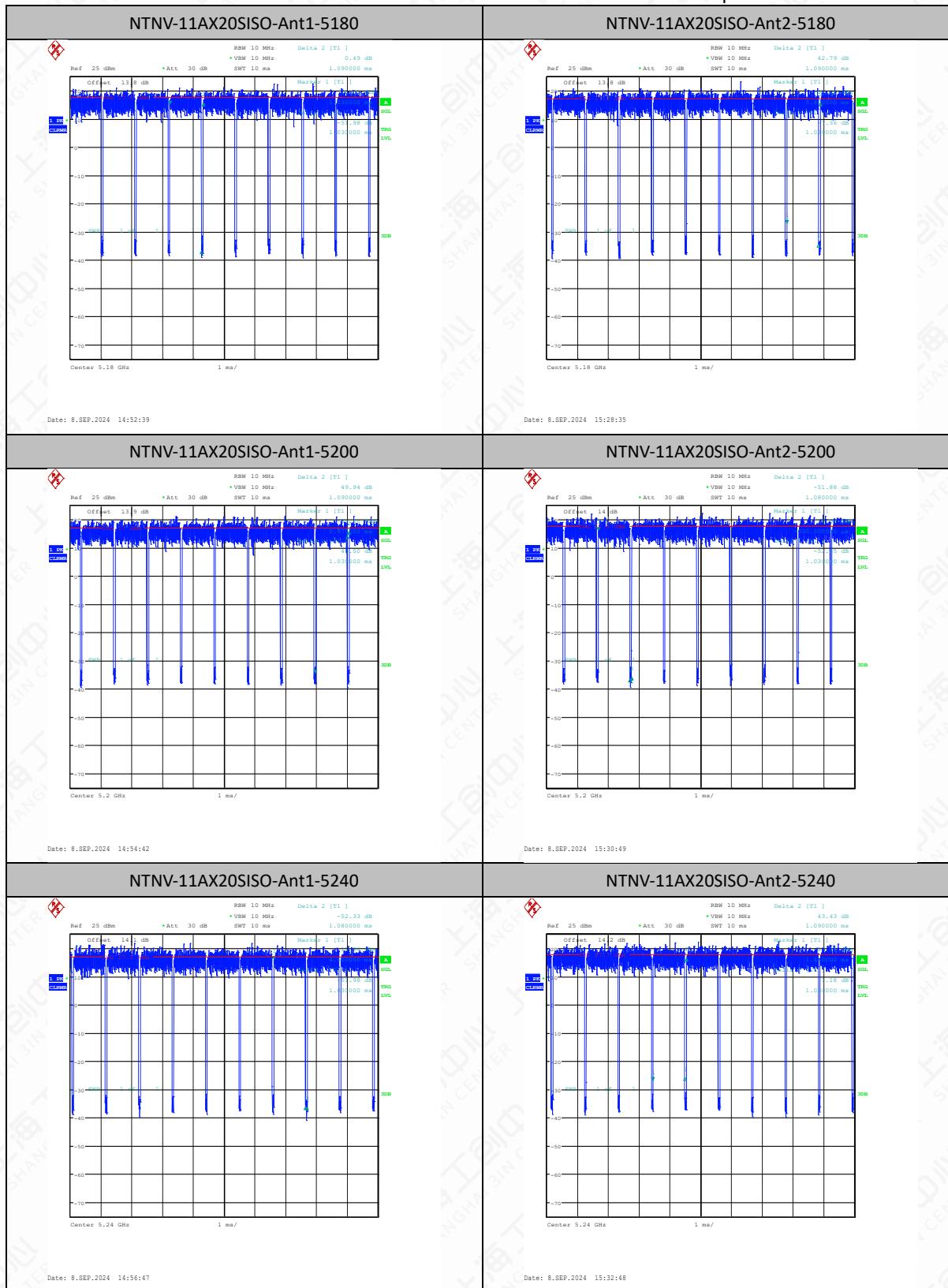




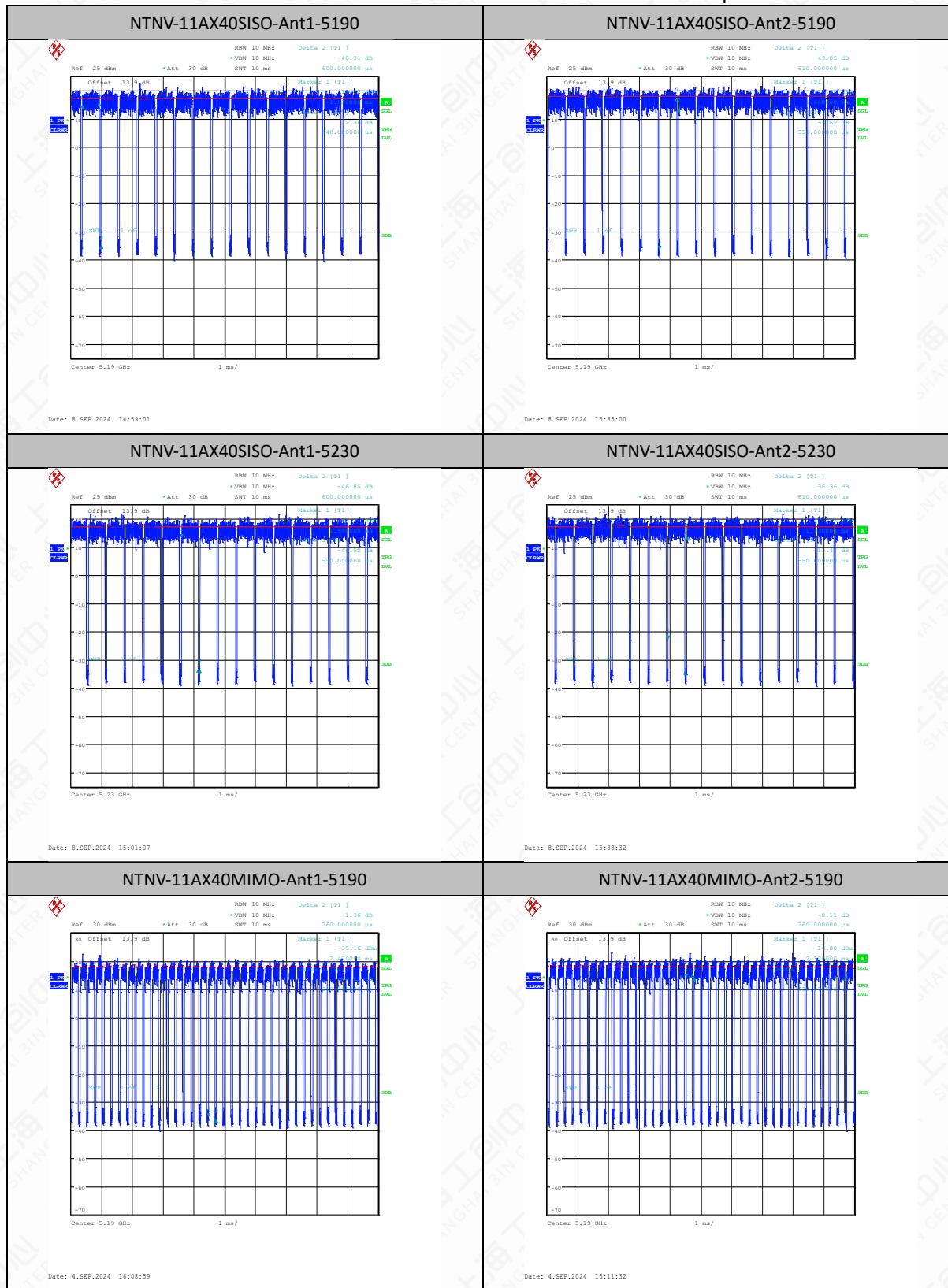


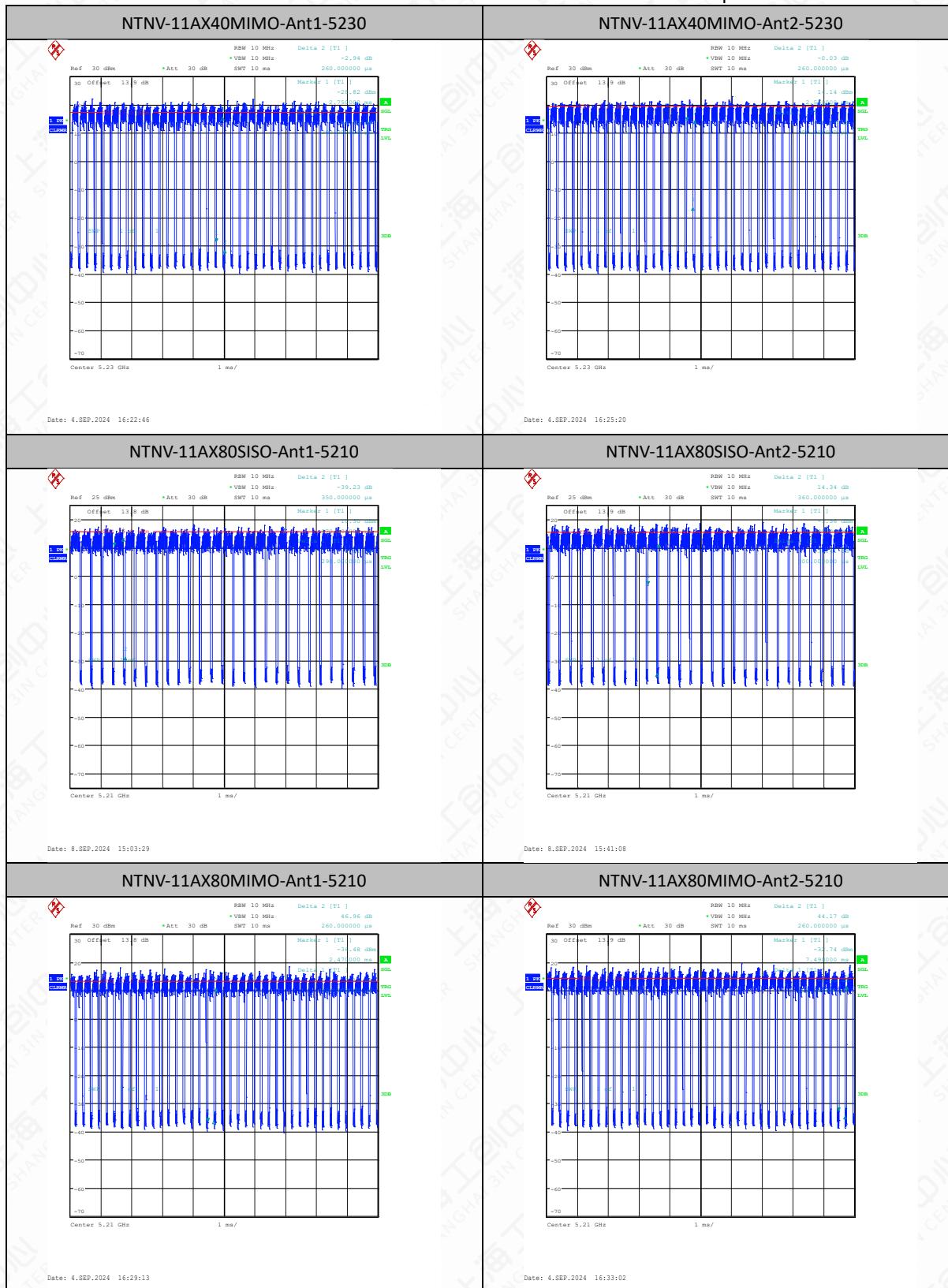




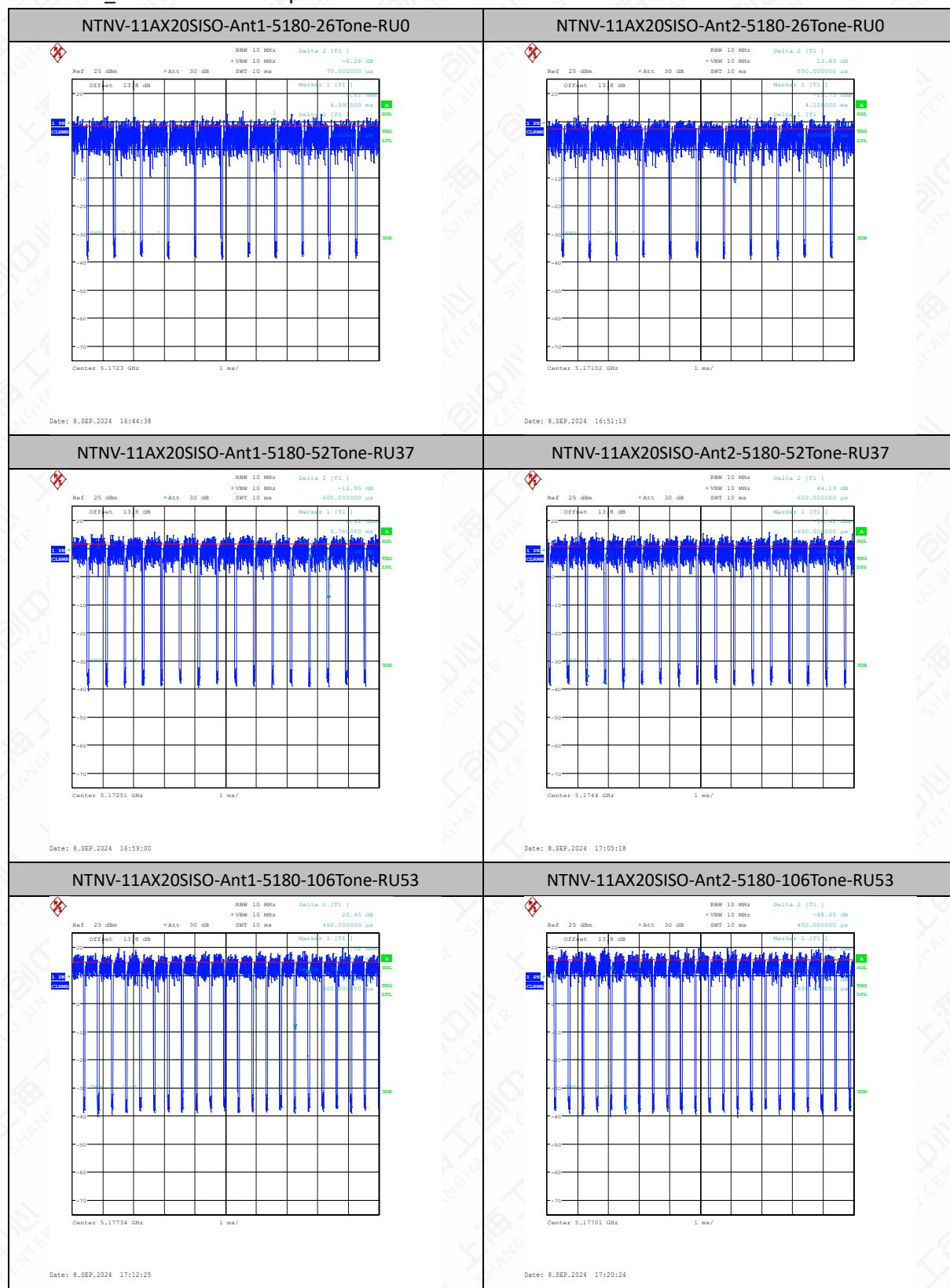


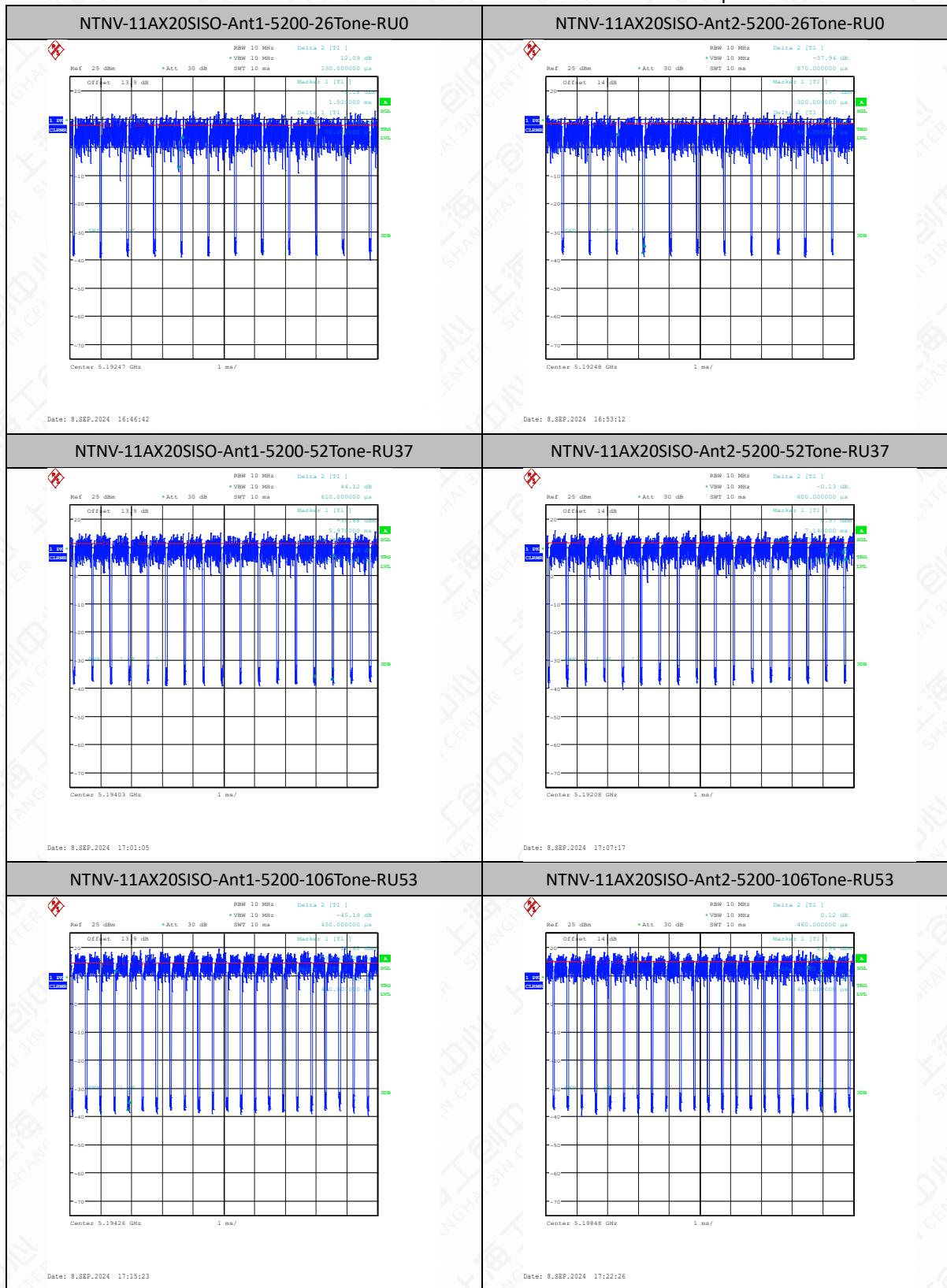


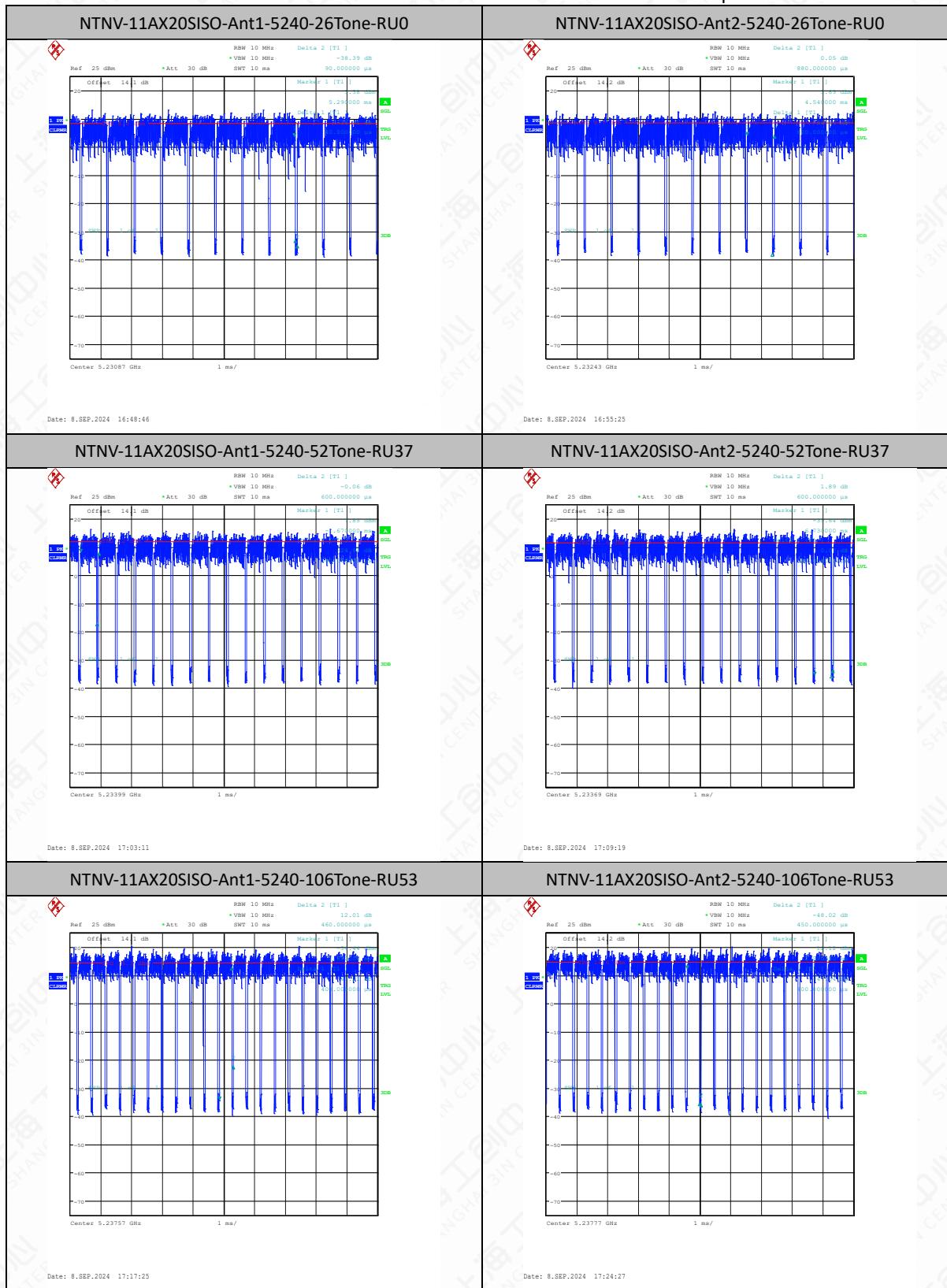


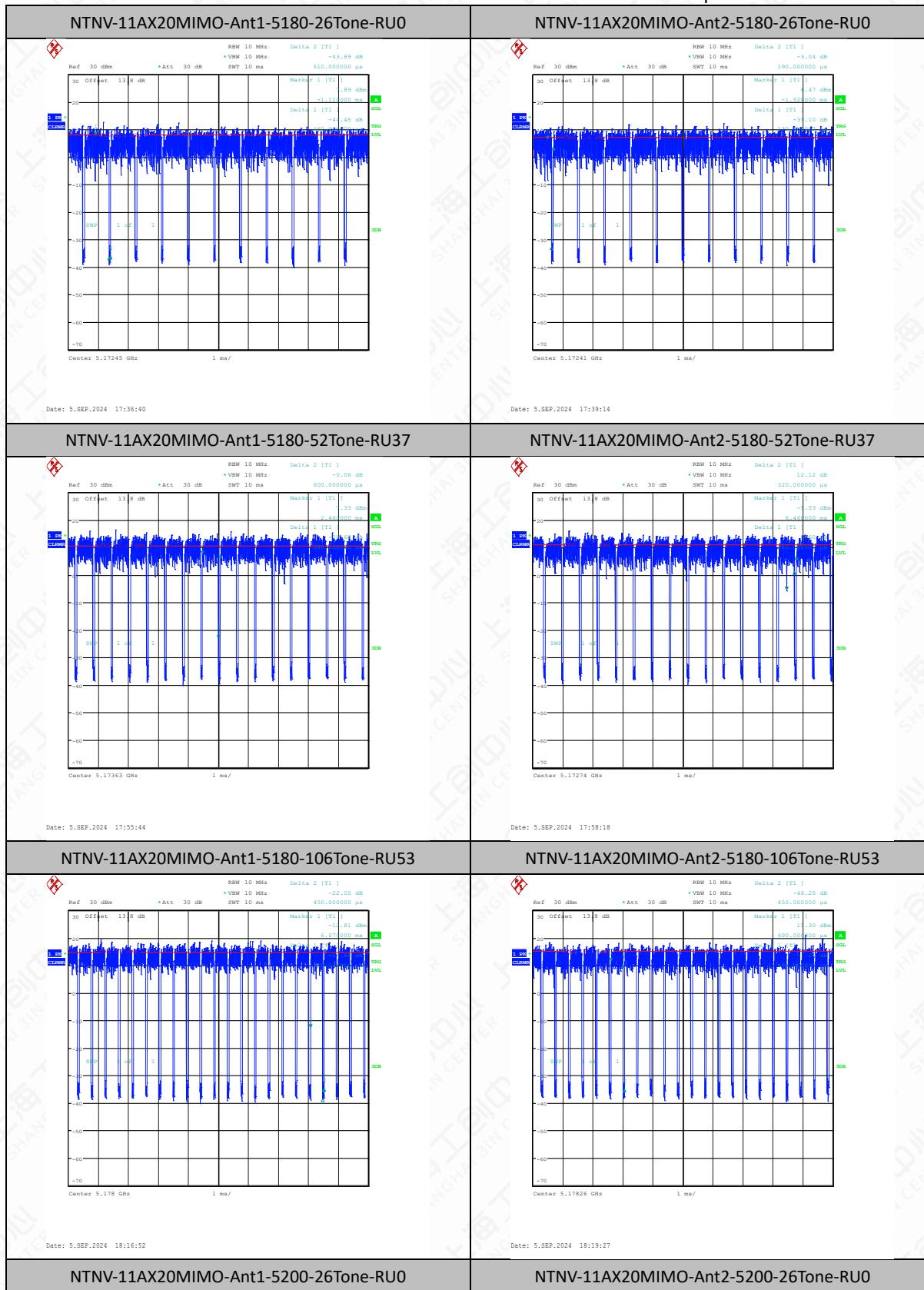


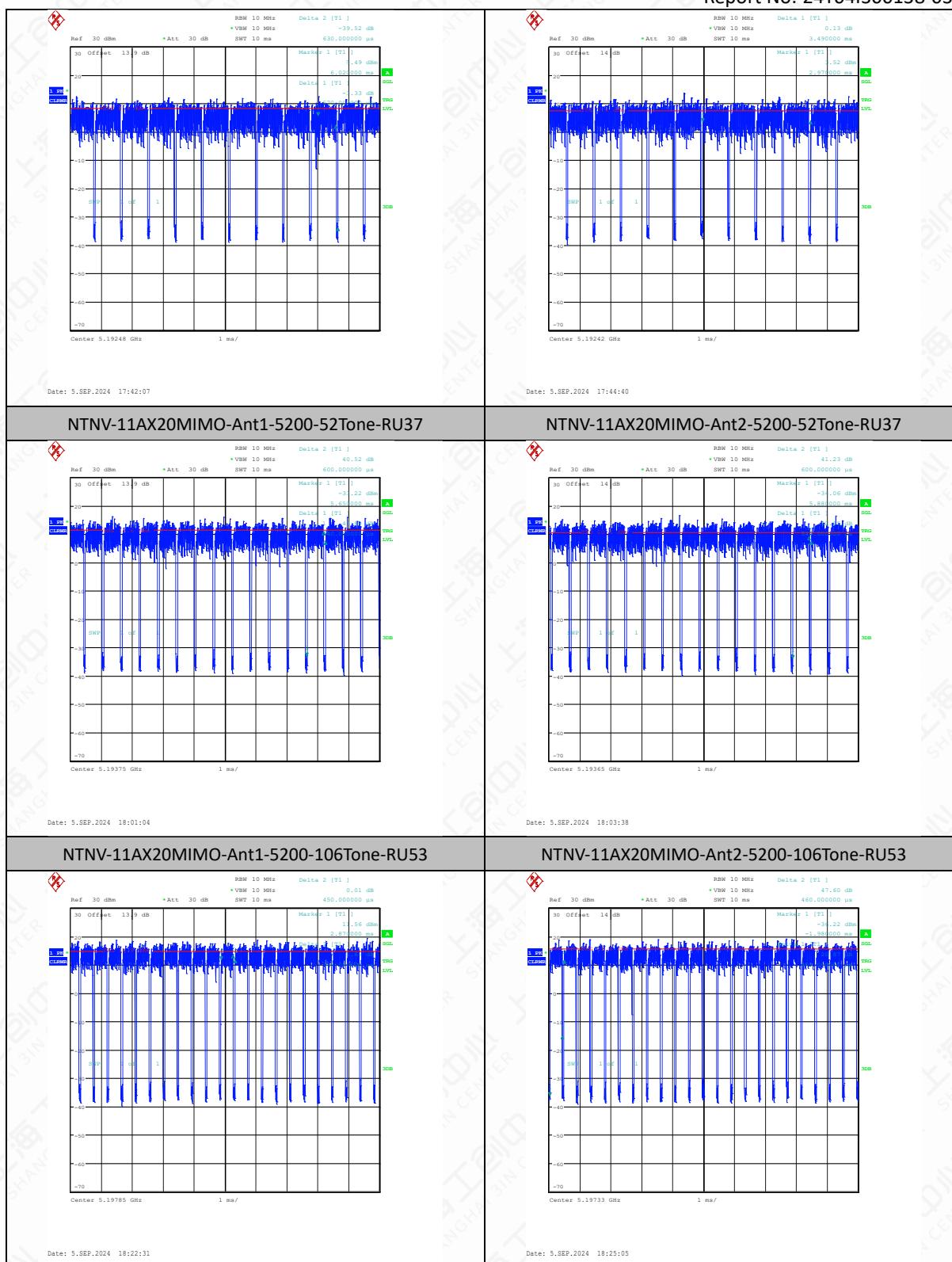
AX Part RU_Multi-User Test Graph

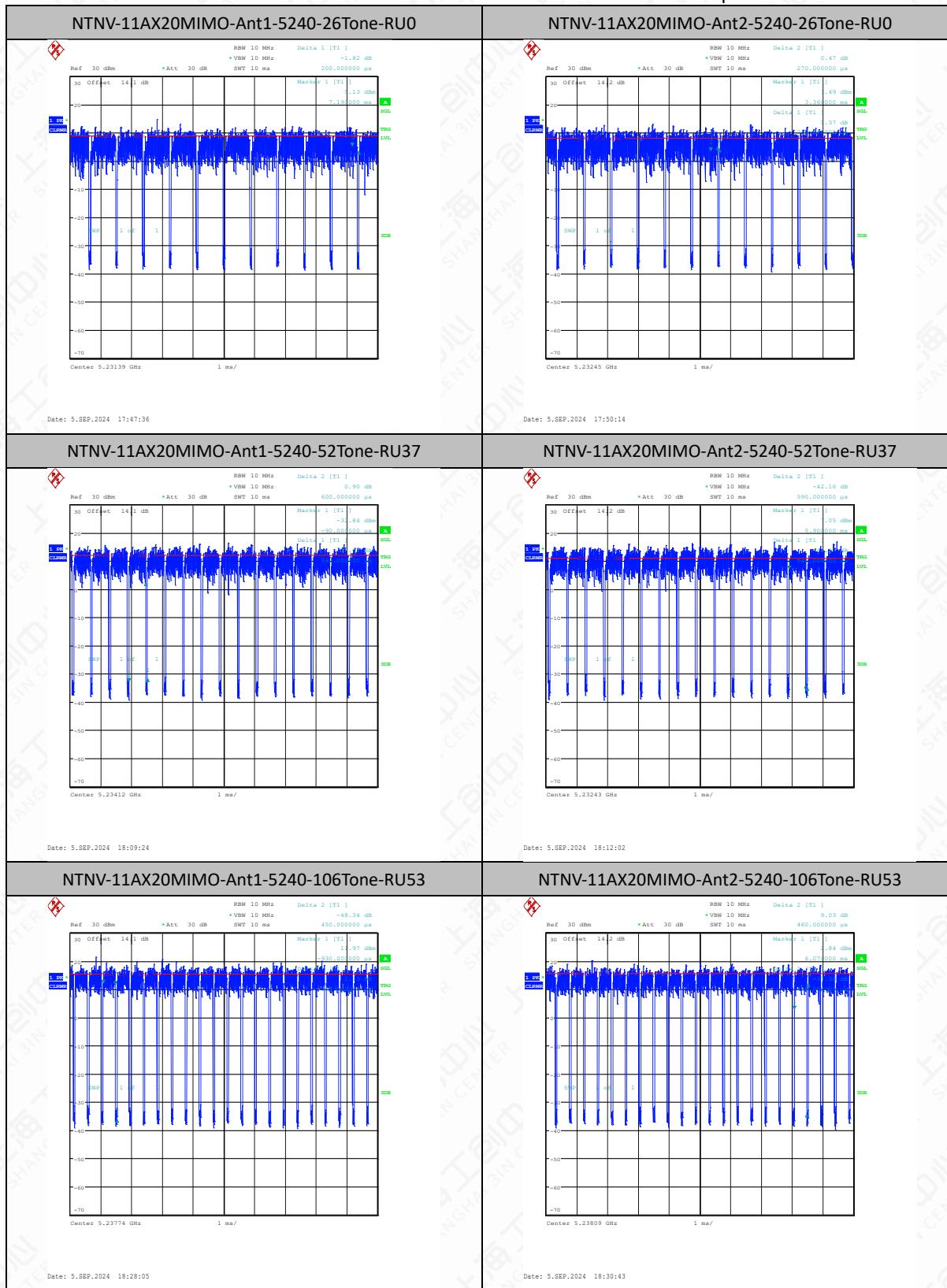


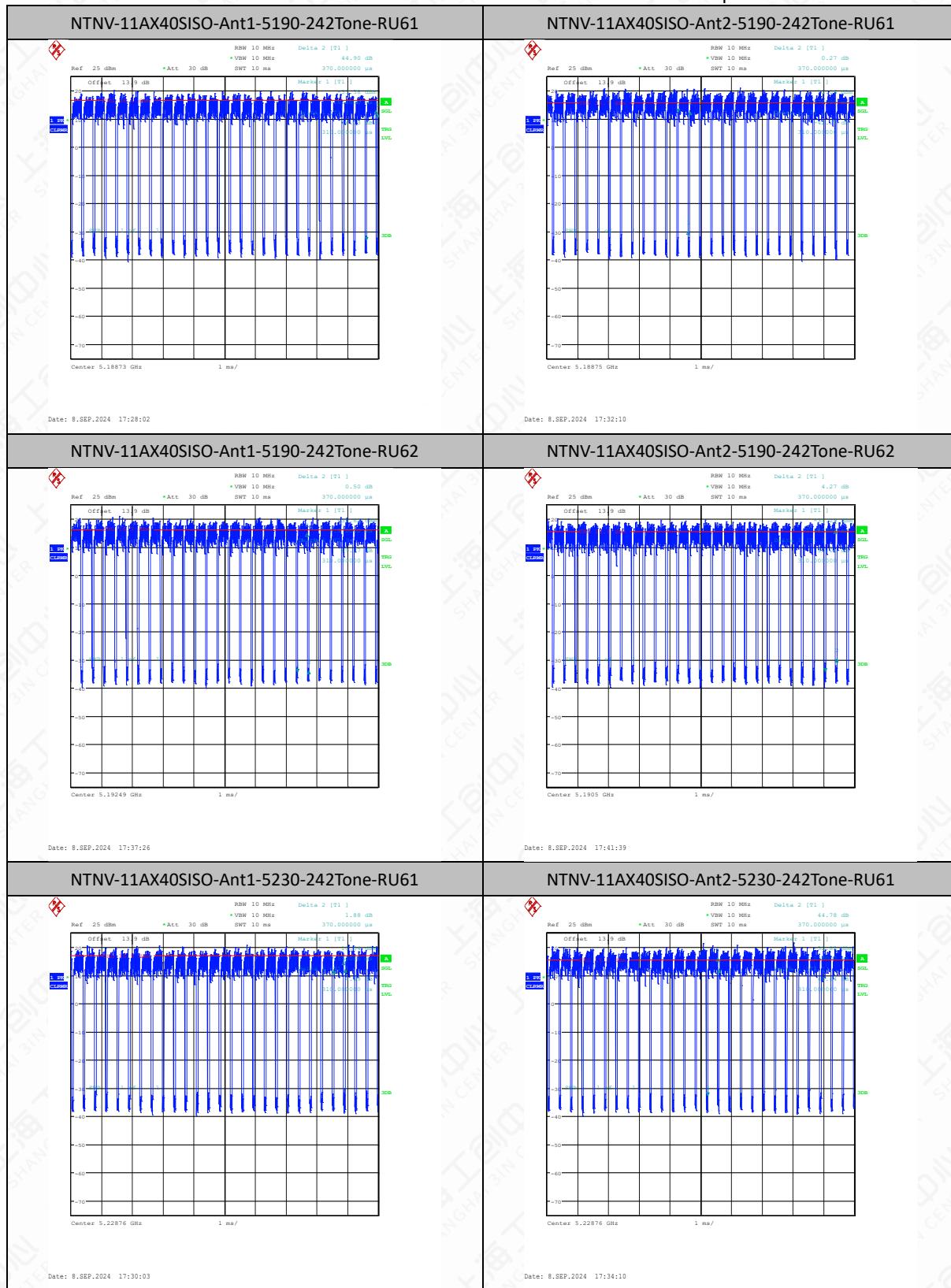


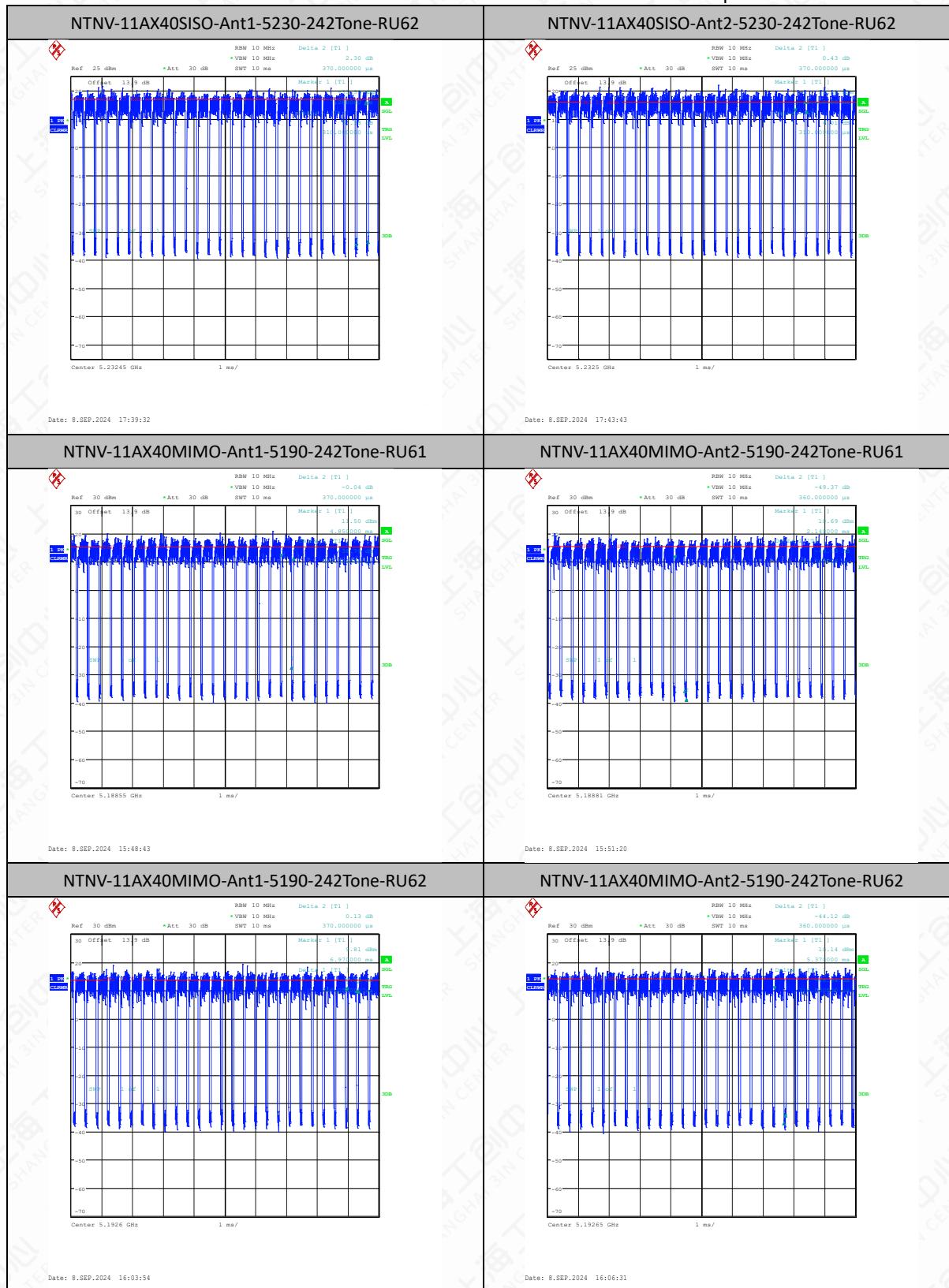


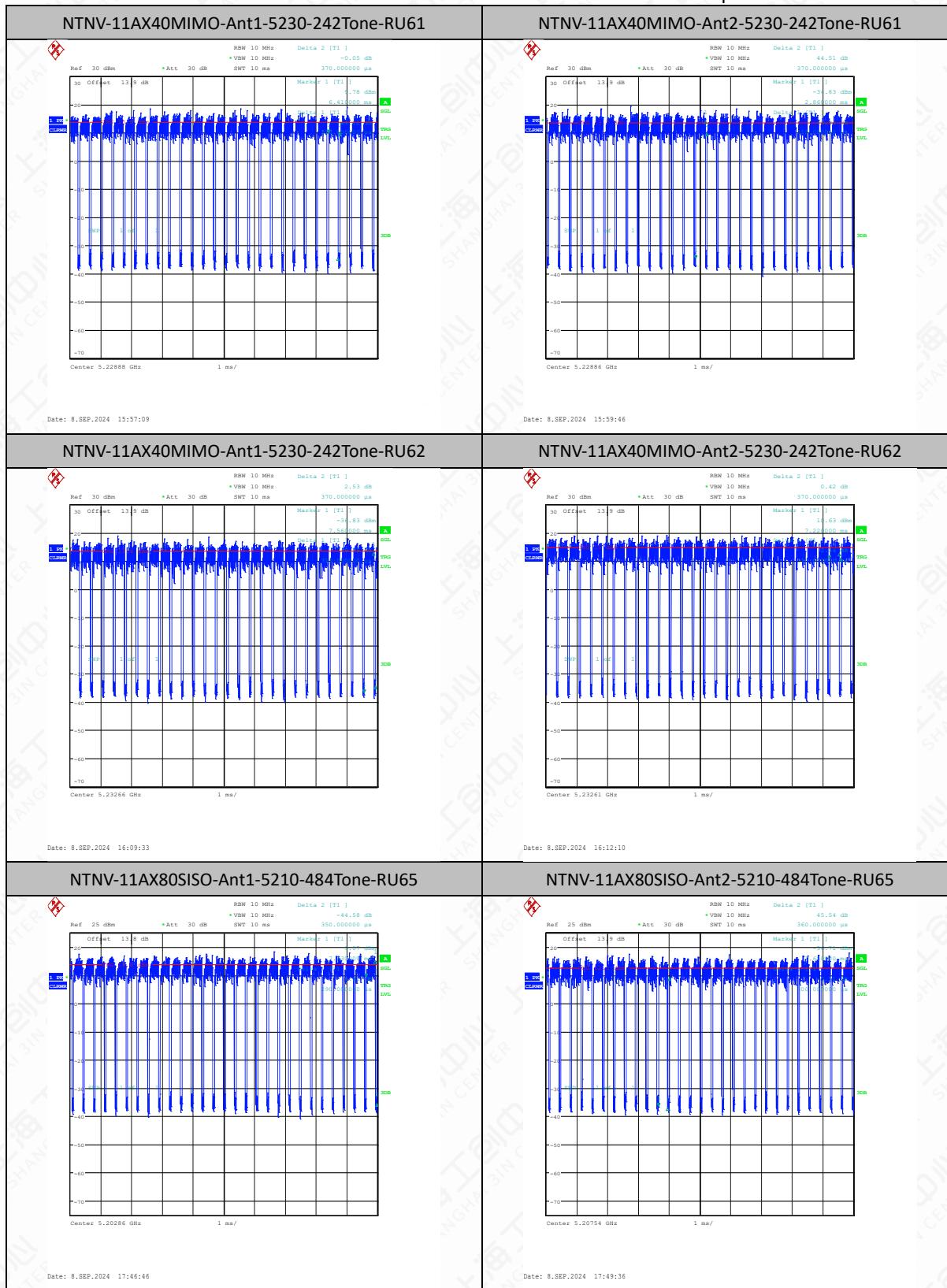




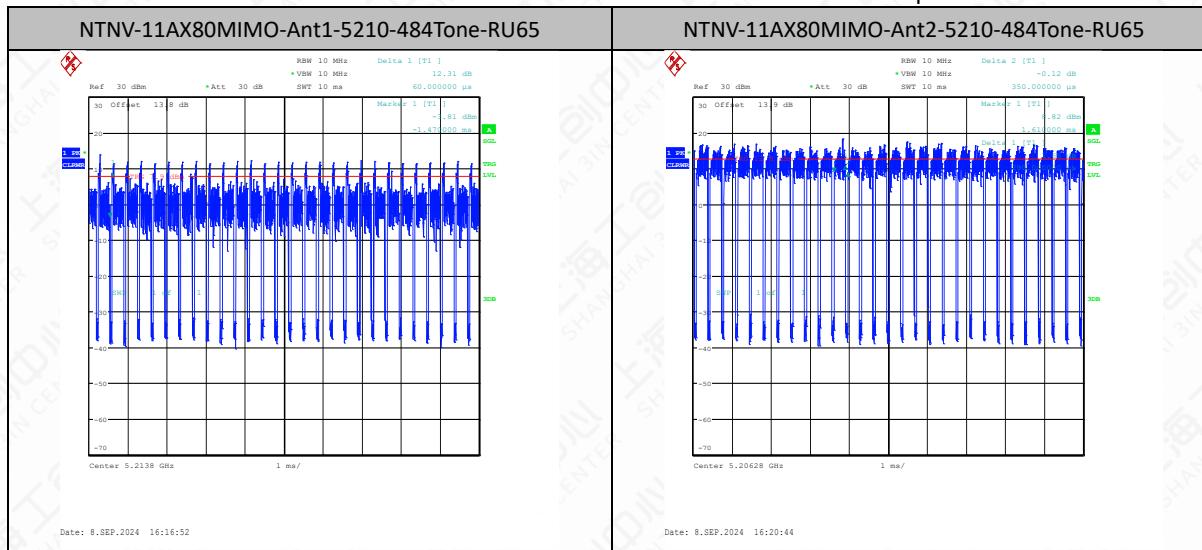








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6.2. Maximum Output Power-Conducted

6.2.1. Measurement Limit and Method

| Standard | Limit (dBm) |
|----------------------------------|--|
| FCC 47 CFR Part 15.407(a)(1)(iv) | 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 250 mW provided the maximum antenna gain does not exceed 6 dBi. |

6.2.2. Test Procedure

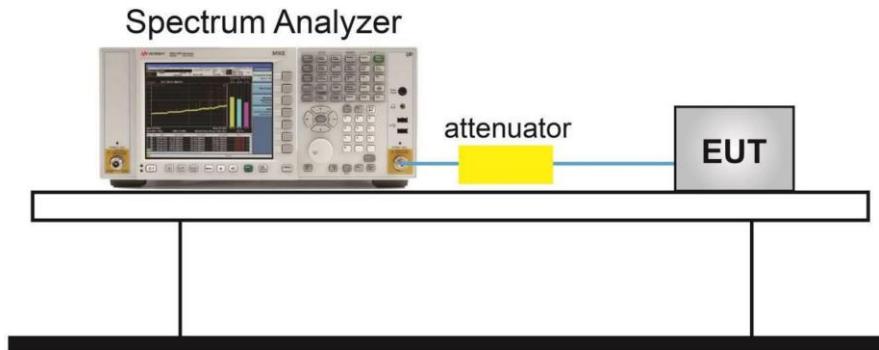
The measurement method SA-2 is made according to KDB 789033 E

Method SA-2 (trace averaging across on and off times of the EUT transmissions, followed by duty cycle correction).

1. Measure the duty cycle, x , of the transmitter output signal as described in II.B.
2. Set span to encompass the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.
3. Set RBW = 1 MHz. (iv) Set VBW \geq 3 MHz.
4. Number of points in sweep $\geq 2 \times$ span / RBW. (This ensures that bin-to-bin spacing is \leq RBW/2, so that narrowband signals are not lost between frequency bins.)
5. Sweep time = auto.
6. Detector = power averaging (rms), if available. Otherwise, use sample detector mode.
7. Do not use sweep triggering. Allow the sweep to “free run.”
8. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed to ensure that the average accurately represents the true average over the on and off periods of the transmitter.
9. Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument’s band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum levels (in power units) at 1 MHz intervals extending across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal.

Add $10 \log (1/x)$, where x is the duty cycle, to the measured power to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission). For example, add $10 \log (1/0.25) = 6$ dB if the duty cycle is 25%

6.2.3. Test setup



6.2.4. Measurement Result

| Test Mode | Antenna | Frequency [MHz] | Set Power | Channel Power [dBm] | Duty Cycle [%] | DC Factor [dBm] | Result [dBm] | Limit [dBm] | Gain [dBi] | Verdict |
|------------|---------|-----------------|-----------|---------------------|----------------|-----------------|--------------|-------------|------------|---------|
| 11A | Ant1 | 5180 | --- | 14.47 | 95.86 | 0.18 | 14.65 | ≤23.93 | 6.05 | PASS |
| 11A | Ant2 | 5180 | --- | 14.48 | 95.86 | 0.18 | 14.66 | ≤23.98 | 5.28 | PASS |
| 11A | Ant1 | 5200 | --- | 14.53 | 95.86 | 0.18 | 14.71 | ≤23.93 | 6.05 | PASS |
| 11A | Ant2 | 5200 | --- | 14.59 | 95.89 | 0.18 | 14.77 | ≤23.98 | 5.28 | PASS |
| 11A | Ant1 | 5240 | --- | 14.72 | 95.86 | 0.18 | 14.90 | ≤23.93 | 6.05 | PASS |
| 11A | Ant2 | 5240 | --- | 14.95 | 95.86 | 0.18 | 15.13 | ≤23.98 | 5.28 | PASS |
| 11A-CDD | Ant1 | 5180 | --- | 14.30 | 95.86 | 0.18 | 14.48 | ≤23.93 | 6.05 | PASS |
| 11A-CDD | Ant2 | 5180 | --- | 14.58 | 95.86 | 0.18 | 14.76 | ≤23.98 | 5.28 | PASS |
| 11A-CDD | total | 5180 | --- | --- | --- | --- | 17.63 | ≤21.30 | 8.68 | PASS |
| 11A-CDD | Ant1 | 5200 | --- | 14.38 | 95.86 | 0.18 | 14.56 | ≤23.93 | 6.05 | PASS |
| 11A-CDD | Ant2 | 5200 | --- | 14.79 | 95.89 | 0.18 | 14.97 | ≤23.98 | 5.28 | PASS |
| 11A-CDD | total | 5200 | --- | --- | --- | --- | 17.78 | ≤21.30 | 8.68 | PASS |
| 11A-CDD | Ant1 | 5240 | --- | 14.45 | 95.89 | 0.18 | 14.63 | ≤23.93 | 6.05 | PASS |
| 11A-CDD | Ant2 | 5240 | --- | 14.95 | 95.86 | 0.18 | 15.13 | ≤23.98 | 5.28 | PASS |
| 11A-CDD | total | 5240 | --- | --- | --- | --- | 17.90 | ≤21.30 | 8.68 | PASS |
| 11AC20SISO | Ant1 | 5180 | --- | 14.13 | 95.62 | 0.19 | 14.32 | ≤23.93 | 6.05 | PASS |
| 11AC20SISO | Ant2 | 5180 | --- | 14.32 | 95.62 | 0.19 | 14.51 | ≤23.98 | 5.28 | PASS |
| 11AC20SISO | Ant1 | 5200 | --- | 14.06 | 96.35 | 0.16 | 14.22 | ≤23.93 | 6.05 | PASS |
| 11AC20SISO | Ant2 | 5200 | --- | 14.66 | 95.62 | 0.19 | 14.85 | ≤23.98 | 5.28 | PASS |
| 11AC20SISO | Ant1 | 5240 | --- | 14.23 | 95.65 | 0.19 | 14.42 | ≤23.93 | 6.05 | PASS |
| 11AC20SISO | Ant2 | 5240 | --- | 14.78 | 96.35 | 0.16 | 14.94 | ≤23.98 | 5.28 | PASS |
| 11AC20MIMO | Ant1 | 5180 | --- | 14.11 | 91.89 | 0.37 | 14.48 | ≤23.93 | 6.05 | PASS |
| 11AC20MIMO | Ant2 | 5180 | --- | 14.41 | 91.89 | 0.37 | 14.78 | ≤23.98 | 5.28 | PASS |
| 11AC20MIMO | total | 5180 | --- | --- | --- | --- | 17.64 | ≤21.30 | 8.68 | PASS |
| 11AC20MIMO | Ant1 | 5200 | --- | 14.03 | 91.89 | 0.37 | 14.40 | ≤23.93 | 6.05 | PASS |

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| | | | | | | | | | | |
|------------|-------|------|-----|-------|-------|------|-------|--------------|------|------|
| 11AC20MIMO | Ant2 | 5200 | --- | 14.49 | 93.24 | 0.30 | 14.79 | ≤ 23.98 | 5.28 | PASS |
| 11AC20MIMO | total | 5200 | --- | --- | --- | --- | 17.61 | ≤ 21.30 | 8.68 | PASS |
| 11AC20MIMO | Ant1 | 5240 | --- | 14.21 | 92.00 | 0.36 | 14.57 | ≤ 23.93 | 6.05 | PASS |
| 11AC20MIMO | Ant2 | 5240 | --- | 14.58 | 91.89 | 0.37 | 14.95 | ≤ 23.98 | 5.28 | PASS |
| 11AC20MIMO | total | 5240 | --- | --- | --- | --- | 17.77 | ≤ 21.30 | 8.68 | PASS |
| 11AC40SISO | Ant1 | 5190 | --- | 7.48 | 92.96 | 0.32 | 7.80 | ≤ 23.93 | 6.05 | PASS |
| 11AC40SISO | Ant2 | 5190 | --- | 8.76 | 91.67 | 0.38 | 9.14 | ≤ 23.98 | 5.28 | PASS |
| 11AC40SISO | Ant1 | 5230 | --- | 16.03 | 91.67 | 0.38 | 16.41 | ≤ 23.93 | 6.05 | PASS |
| 11AC40SISO | Ant2 | 5230 | --- | 17.02 | 91.55 | 0.38 | 17.40 | ≤ 23.98 | 5.28 | PASS |
| 11AC40MIMO | Ant1 | 5190 | --- | 8.94 | 87.80 | 0.57 | 9.51 | ≤ 23.93 | 6.05 | PASS |
| 11AC40MIMO | Ant2 | 5190 | --- | 8.83 | 87.80 | 0.57 | 9.40 | ≤ 23.98 | 5.28 | PASS |
| 11AC40MIMO | total | 5190 | --- | --- | --- | --- | 12.47 | ≤ 21.30 | 8.68 | PASS |
| 11AC40MIMO | Ant1 | 5230 | --- | 16.04 | 85.37 | 0.69 | 16.73 | ≤ 23.93 | 6.05 | PASS |
| 11AC40MIMO | Ant2 | 5230 | --- | 16.56 | 85.37 | 0.69 | 17.25 | ≤ 23.98 | 5.28 | PASS |
| 11AC40MIMO | total | 5230 | --- | --- | --- | --- | 20.01 | ≤ 21.30 | 8.68 | PASS |
| 11AC80SISO | Ant1 | 5210 | --- | 5.67 | 84.21 | 0.75 | 6.42 | ≤ 23.93 | 6.05 | PASS |
| 11AC80SISO | Ant2 | 5210 | --- | 7.20 | 84.21 | 0.75 | 7.95 | ≤ 23.98 | 5.28 | PASS |
| 11AC80MIMO | Ant1 | 5210 | --- | 6.36 | 76.00 | 1.19 | 7.55 | ≤ 23.93 | 6.05 | PASS |
| 11AC80MIMO | Ant2 | 5210 | --- | 6.65 | 79.17 | 1.01 | 7.66 | ≤ 23.98 | 5.28 | PASS |
| 11AC80MIMO | total | 5210 | --- | --- | --- | --- | 10.62 | ≤ 21.30 | 8.68 | PASS |
| 11AX20SISO | Ant1 | 5180 | --- | 13.66 | 94.50 | 0.25 | 13.91 | ≤ 23.93 | 6.05 | PASS |
| 11AX20SISO | Ant2 | 5180 | --- | 13.70 | 94.50 | 0.25 | 13.95 | ≤ 23.98 | 5.28 | PASS |
| 11AX20SISO | Ant1 | 5200 | --- | 13.62 | 94.50 | 0.25 | 13.87 | ≤ 23.93 | 6.05 | PASS |
| 11AX20SISO | Ant2 | 5200 | --- | 14.14 | 95.37 | 0.21 | 14.35 | ≤ 23.98 | 5.28 | PASS |
| 11AX20SISO | Ant1 | 5240 | --- | 13.78 | 95.37 | 0.21 | 13.99 | ≤ 23.93 | 6.05 | PASS |
| 11AX20SISO | Ant2 | 5240 | --- | 14.39 | 94.50 | 0.25 | 14.64 | ≤ 23.98 | 5.28 | PASS |
| 11AX20MIMO | Ant1 | 5180 | --- | 12.91 | 77.78 | 1.09 | 14.00 | ≤ 23.93 | 6.05 | PASS |
| 11AX20MIMO | Ant2 | 5180 | --- | 13.23 | 76.92 | 1.14 | 14.37 | ≤ 23.98 | 5.28 | PASS |
| 11AX20MIMO | total | 5180 | --- | --- | --- | --- | 17.20 | ≤ 21.30 | 8.68 | PASS |
| 11AX20MIMO | Ant1 | 5200 | --- | 13.03 | 80.77 | 0.93 | 13.96 | ≤ 23.93 | 6.05 | PASS |
| 11AX20MIMO | Ant2 | 5200 | --- | 13.39 | 76.92 | 1.14 | 14.53 | ≤ 23.98 | 5.28 | PASS |
| 11AX20MIMO | total | 5200 | --- | --- | --- | --- | 17.26 | ≤ 21.30 | 8.68 | PASS |
| 11AX20MIMO | Ant1 | 5240 | --- | 13.33 | 76.92 | 1.14 | 14.47 | ≤ 23.93 | 6.05 | PASS |
| 11AX20MIMO | Ant2 | 5240 | --- | 13.68 | 80.77 | 0.93 | 14.61 | ≤ 23.98 | 5.28 | PASS |
| 11AX20MIMO | total | 5240 | --- | --- | --- | --- | 17.55 | ≤ 21.30 | 8.68 | PASS |
| 11AX40SISO | Ant1 | 5190 | --- | 7.89 | 90.00 | 0.46 | 8.35 | ≤ 23.93 | 6.05 | PASS |
| 11AX40SISO | Ant2 | 5190 | --- | 7.98 | 90.16 | 0.45 | 8.43 | ≤ 23.98 | 5.28 | PASS |
| 11AX40SISO | Ant1 | 5230 | --- | 16.18 | 91.67 | 0.38 | 16.56 | ≤ 23.93 | 6.05 | PASS |
| 11AX40SISO | Ant2 | 5230 | --- | 17.20 | 90.16 | 0.45 | 17.65 | ≤ 23.98 | 5.28 | PASS |
| 11AX40MIMO | Ant1 | 5190 | --- | 8.12 | 80.77 | 0.93 | 9.05 | ≤ 23.93 | 6.05 | PASS |
| 11AX40MIMO | Ant2 | 5190 | --- | 7.98 | 76.92 | 1.14 | 9.12 | ≤ 23.98 | 5.28 | PASS |
| 11AX40MIMO | total | 5190 | --- | --- | --- | --- | 12.10 | ≤ 21.30 | 8.68 | PASS |

| | | | | | | | | | | |
|------------|-------|------|-----|-------|-------|------|-------|--------------|------|------|
| 11AX40MIMO | Ant1 | 5230 | --- | 16.13 | 76.92 | 1.14 | 17.27 | ≤ 23.93 | 6.05 | PASS |
| 11AX40MIMO | Ant2 | 5230 | --- | 16.66 | 76.92 | 1.14 | 17.80 | ≤ 23.98 | 5.28 | PASS |
| 11AX40MIMO | total | 5230 | --- | --- | --- | --- | 20.55 | ≤ 21.30 | 8.68 | PASS |
| 11AX80SISO | Ant1 | 5210 | --- | 6.81 | 82.86 | 0.82 | 7.63 | ≤ 23.93 | 6.05 | PASS |
| 11AX80SISO | Ant2 | 5210 | --- | 6.88 | 83.33 | 0.79 | 7.67 | ≤ 23.98 | 5.28 | PASS |
| 11AX80MIMO | Ant1 | 5210 | --- | 6.47 | 76.92 | 1.14 | 7.61 | ≤ 23.93 | 6.05 | PASS |
| 11AX80MIMO | Ant2 | 5210 | --- | 6.81 | 76.92 | 1.14 | 7.95 | ≤ 23.98 | 5.28 | PASS |
| 11AX80MIMO | total | 5210 | --- | --- | --- | --- | 10.79 | ≤ 21.30 | 8.68 | PASS |

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| TestMode | Antenna | Frequency [MHz] | RuSize | RuIndex | Result [dBm] | Limit[dBm] | Verdict |
|------------|---------|-----------------|---------|---------|--------------|--------------|---------|
| 11AX20SISO | Ant1 | 5180 | 26Tone | RU0 | 11.06 | ≤ 23.93 | PASS |
| 11AX20SISO | Ant2 | 5180 | 26Tone | RU0 | 3.01 | ≤ 23.98 | PASS |
| 11AX20SISO | Ant1 | 5180 | 52Tone | RU37 | 6.19 | ≤ 23.93 | PASS |
| 11AX20SISO | Ant2 | 5180 | 52Tone | RU37 | 6.28 | ≤ 23.98 | PASS |
| 11AX20SISO | Ant1 | 5180 | 106Tone | RU53 | 10.27 | ≤ 23.93 | PASS |
| 11AX20SISO | Ant2 | 5180 | 106Tone | RU53 | 10.84 | ≤ 23.98 | PASS |
| 11AX20SISO | Ant1 | 5200 | 26Tone | RU0 | 5.57 | ≤ 23.93 | PASS |
| 11AX20SISO | Ant2 | 5200 | 26Tone | RU0 | 3.00 | ≤ 23.98 | PASS |
| 11AX20SISO | Ant1 | 5200 | 52Tone | RU37 | 6.68 | ≤ 23.93 | PASS |
| 11AX20SISO | Ant2 | 5200 | 52Tone | RU37 | 6.40 | ≤ 23.98 | PASS |
| 11AX20SISO | Ant1 | 5200 | 106Tone | RU53 | 10.26 | ≤ 23.93 | PASS |
| 11AX20SISO | Ant2 | 5200 | 106Tone | RU53 | 10.75 | ≤ 23.98 | PASS |
| 11AX20SISO | Ant1 | 5240 | 26Tone | RU0 | 6.83 | ≤ 23.93 | PASS |
| 11AX20SISO | Ant2 | 5240 | 26Tone | RU0 | 3.50 | ≤ 23.98 | PASS |
| 11AX20SISO | Ant1 | 5240 | 52Tone | RU37 | 6.99 | ≤ 23.93 | PASS |
| 11AX20SISO | Ant2 | 5240 | 52Tone | RU37 | 6.57 | ≤ 23.98 | PASS |
| 11AX20SISO | Ant1 | 5240 | 106Tone | RU53 | 10.78 | ≤ 23.93 | PASS |
| 11AX20SISO | Ant2 | 5240 | 106Tone | RU53 | 10.87 | ≤ 23.98 | PASS |
| 11AX20MIMO | Ant1 | 5180 | 26Tone | RU0 | 3.02 | ≤ 23.93 | PASS |
| 11AX20MIMO | Ant2 | 5180 | 26Tone | RU0 | 4.15 | ≤ 23.98 | PASS |
| 11AX20MIMO | total | 5180 | 26Tone | RU0 | 6.63 | ≤ 21.30 | PASS |
| 11AX20MIMO | Ant1 | 5180 | 52Tone | RU37 | 6.41 | ≤ 23.93 | PASS |
| 11AX20MIMO | Ant2 | 5180 | 52Tone | RU37 | 6.76 | ≤ 23.98 | PASS |
| 11AX20MIMO | total | 5180 | 52Tone | RU37 | 9.60 | ≤ 21.30 | PASS |
| 11AX20MIMO | Ant1 | 5180 | 106Tone | RU53 | 10.43 | ≤ 23.93 | PASS |
| 11AX20MIMO | Ant2 | 5180 | 106Tone | RU53 | 10.33 | ≤ 23.98 | PASS |
| 11AX20MIMO | total | 5180 | 106Tone | RU53 | 13.39 | ≤ 21.30 | PASS |
| 11AX20MIMO | Ant1 | 5200 | 26Tone | RU0 | 3.26 | ≤ 23.93 | PASS |
| 11AX20MIMO | Ant2 | 5200 | 26Tone | RU0 | 3.10 | ≤ 23.98 | PASS |
| 11AX20MIMO | total | 5200 | 26Tone | RU0 | 6.19 | ≤ 21.30 | PASS |
| 11AX20MIMO | Ant1 | 5200 | 52Tone | RU37 | 6.54 | ≤ 23.93 | PASS |
| 11AX20MIMO | Ant2 | 5200 | 52Tone | RU37 | 6.44 | ≤ 23.98 | PASS |