

| | |
|---|--------------------------------|
| Product Name:Smart Phone | Report No: ITEZA2-202400083RF5 |
| Product Model: S punk, S punk Pro, S punk S, S punk E, S punk SE, S punk Plus, S punk Max, S punk Ultra, S cyber, S cyber Pro, S cyber S, S cyber E, S cyber SE, S cyber Plus, S cyber Max, S cyber Ultra | Security Classification: Open |
| Version: V1.0 | Total Page:266 |

TIRT Testing Report

| Prepared By: | Checked By: | Approved By: |  |
|-------------------|-------------------|------------------|---|
| Aaron Long | Stone Tang | Joky Wang | |
| <i>Aaron Long</i> | <i>Stone Tang</i> | <i>Joky Wang</i> | |

FCCRadio Test Report

FCC ID: 2AX4YSPUNK

This report concerns:Original Grant

| | |
|---------------|--|
| Applicant: | Shenzhen DOOGEE Hengtong Technology CO.,LTD |
| Address: | B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No. 22, Longhua New District, Shenzhen, China |
| Manufacturer: | Shenzhen DOOGEE Hengtong Technology CO.,LTD |
| Address: | B, 2/F, Building A4, Silicon Valley Power Digital Industrial Park, No. 22, Longhua New District, Shenzhen, China |
| Sample No: | 1000031136 |
| Product Name: | Smart Phone |
| Brand Name: | DOOGEE |
| Model No.: | S punk, S punk Pro, S punk S, S punk E, S punk SE, S punk Plus, S punk Max, S punk Ultra, S cyber, S cyber Pro, S cyber S, S cyber E, S cyber SE, S cyber Plus, S cyber Max, S cyber Ultra |
| Test No.: | S punk |

| | |
|------------------|-----------------------|
| Date of Receipt: | 2024/04/09 |
| Date of Test: | 2024/04/09~2024/04/24 |
| Issued Date: | 2024/04/30 |
| Testing Lab: | TIRT |

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| Table of Contents | Page |
|---|-------------|
| REPORT ISSUED HISTORY | 5 |
| 1 . SUMMARY OF TEST RESULTS | 6 |
| 1.1 TEST FACILITY | 7 |
| 1.2 MEASUREMENT UNCERTAINTY | 7 |
| 1.3 TEST ENVIRONMENT CONDITIONS | 8 |
| 2 . GENERAL INFORMATION | 9 |
| 2.1 GENERAL DESCRIPTION OF EUT | 9 |
| 2.2 TEST MODES | 12 |
| 2.3 DUTY CYCLE | 14 |
| 2.4 BLOCKDIAGRAMSHOWINGTHECONFIGURATIONOFSYSTEMTESTED | 47 |
| 2.5 SUPPORT UNITS | 47 |
| 3 .AC POWER LINE CONDUCTED EMISSIONS | 48 |
| 3.1 LIMIT | 48 |
| 3.2 TEST PROCEDURE | 48 |
| 3.3 DEVIATIONFROMTESTSTANDARD | 48 |
| 3.4 TESTSETUP | 49 |
| 3.5 EUT OPERATION CONDITIONS | 49 |
| 3.6 TEST RESULTS | 49 |
| 4 . RADIATED EMISSIONS | 50 |
| 4.1 LIMIT | 50 |
| 4.2 TEST PROCEDURE | 50 |
| 4.3 DEVIATIONFROMTESTSTANDARD | 52 |
| 4.4 TESTSETUP | 52 |
| 4.5 EUT OPERATION CONDITIONS | 53 |
| 4.6 TEST RESULTS - 9 KHZTO 30MHZ | 53 |
| 4.7 TEST RESULTS - 30 MHZTO 1000 MHZ | 53 |
| 4.8 TEST RESULTS - ABOVE1000 MHZ | 53 |
| 5 .BANDWIDTH | 54 |
| 5.1 LIMIT | 54 |
| 5.2 TEST PROCEDURE | 54 |
| 5.3 DEVIATION FROM STANDARD | 54 |
| 5.4 TEST SETUP | 55 |
| 5.5 EUT OPERATION CONDITIONS | 55 |
| 5.6 TEST RESULTS | 55 |

| Table of Contents | Page |
|--|-------------|
| 6 .MAXIMUM OUTPUT POWER | 56 |
| 6.1 LIMIT | 56 |
| 6.2 TEST PROCEDURE | 56 |
| 6.3 DEVIATION FROM STANDARD | 56 |
| 6.4 TEST SETUP | 56 |
| 6.5 EUT OPERATION CONDITIONS | 56 |
| 6.6 TEST RESULTS | 56 |
| 7 .POWER SPECTRAL DENSITY | 57 |
| 7.1 LIMIT | 57 |
| 7.2 TEST PROCEDURE | 57 |
| 7.3 DEVIATION FROM STANDARD | 57 |
| 7.4 TEST SETUP | 58 |
| 7.5 EUT OPERATION CONDITIONS | 58 |
| 7.6 TEST RESULTS | 58 |
| 8 .FREQUENCY STABILITY | 59 |
| 8.1 LIMIT | 59 |
| 8.2 TEST PROCEDURE | 59 |
| 8.3 DEVIATION FROM STANDARD | 59 |
| 8.4 TEST SETUP | 59 |
| 8.5 EUT OPERATION CONDITIONS | 59 |
| 8.6 TEST RESULTS | 59 |
| 9 . MEASUREMENT INSTRUMENTS LIST | 60 |
| 10 .EUT TEST PHOTOS | 61 |
| APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS | 63 |
| APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ | 65 |
| APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ | 66 |
| APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ | 68 |
| APPENDIX E -BANDWIDTH | 96 |
| APPENDIX F -MAXIMUM OUTPUT POWER | 167 |
| APPENDIX G - POWER SPECTRAL DENSITY | 201 |
| APPENDIX H - Frequency Stability | 235 |

REPORT ISSUED HISTORY

| Report No. | Version | Description | Issued Date | Note |
|---------------------|---------|-----------------|-------------|-------|
| ITEZA2-202400083RF5 | V1.0 | OriginalReport. | 2024.04.30 | Valid |

1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

| FCC CFR Title 47, Part 15, Subpart E | | | | |
|--------------------------------------|---|--|----------|----------|
| Standard(s) Section | Test Item | Test Result | Judgment | Remark |
| 15.207 15.407(b) | AC Power Line Conducted Emissions | APPENDIX A | PASS | ----- |
| 15.407(b) 15.205(a) 15.209(a) | Radiated Emissions | APPENDIX B APPENDIX C APPENDIX D | PASS | ----- |
| 15.407(a) 15.407(e) | Bandwidth | APPENDIX E | PASS | ----- |
| 15.407(a) | Maximum Output Power | APPENDIX F | PASS | ----- |
| 15.407(a) | Power Spectral Density | APPENDIX G | PASS | ----- |
| 15.407(g) | Frequency Stability | APPENDIX H | PASS | NOTE (5) |
| 15.203 | Antenna Requirements | ----- | PASS | NOTE (2) |
| 15.407(c) | Automatically Discontinue Transmission | ----- | PASS | NOTE (3) |

Note:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.
- (3) During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving.the EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.
- (4) For UNII-1 this device was functioned as a
 - Outdoor access point device
 - Indoor access point device
 - Fixed point-to-point access points device
 - Client device
- (5) The manufacturer states that the frequency sability is in compliance with 15.407(g).

1.1 TEST FACILITY

| | |
|--|---|
| Company: | Beijing TIRT Technology Service Co.,Ltd Shenzhen |
| Address: | 104 Building C, Xinmingsheng Industrial Park No.132, Zhangge Old Village East Zone, Zhangge Community, Fucheng Street, Longhua District, Shenzhen, Guangdong, P. R. China |
| CNAS Registration Number: | CNAS L14158 |
| A2LA Registration Number: | 6049.01 |
| FCC Accredited Lab.Designation Number: | CN1366 |
| FCC Test Firm Registration Number: | 820690 |
| Telephone: | +86-0755-27087573 |

1.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2))

The TIRT measurement uncertainty as below table:

| Uncertainty | |
|---|-------------|
| Parameter | Uncertainty |
| Occupied Channel Bandwidth | ±142.12 KHz |
| RF power conducted | ±0.74 dB |
| RF power radiated | ±3.25dB |
| Spurious emissions, conducted | ±1.78dB |
| Spurious emissions, radiated (30MHz~1GHz) | ±4.6dB |
| Spurious emissions, radiated (1GHz ~ 18GHz) | ±4.9dB |
| Conduction Emissions(150kHz~30MHz) | ±3.1 dB |
| Humidity | ±4.6% |
| Temperature | ±0.7°C |
| Time | ±1.25% |

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

1.3 TEST ENVIRONMENT CONDITIONS

| Test Item | Temperature | Humidity | Test Voltage | Tested By |
|-------------------------------------|-------------|----------|-----------------------|------------|
| AC Power Line Conducted Emissions | 25.1°C | 52% | DC 3.87V from battery | Stone Tang |
| Radiated Emissions-9kHz to 30MHz | 24.5°C | 50% | DC 3.78V from battery | Stone Tang |
| Radiated Emissions-30MHz to 1000MHz | 24.2°C | 53% | DC 3.87V from battery | Stone Tang |
| Radiated Emissions-Above 1000 MHz | 26.0°C | 53% | DC 3.87V from battery | Stone Tang |
| Bandwidth | 25.0°C | 56% | DC 3.87V from battery | Stone Tang |
| Maximum Output Power | 24.9°C | 54% | DC 3.87V from battery | Stone Tang |
| Power Spectral Density | 25.1°C | 62% | DC 3.87V from battery | Stone Tang |

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

| | |
|----------------------------------|--|
| Equipment | Smart Phone |
| Brand Name | DOOGEE |
| Test Model | S punk |
| Series Model | S punk, S punk Pro, S punk S, S punk E, S punk SE, S punk Plus, S punk Max, S punk Ultra, S cyber, S cyber Pro, S cyber S, S cyber E, S cyber SE, S cyber Plus, S cyber Max, S cyber Ultra |
| Model Difference(s) | There is no difference except the name of the model |
| Software Version | DOOGEE-S120-EEA-Android14.0-20240323 |
| Hardware Version | SC6017LU_MB_V1.0.1_20240202 |
| Power Rating | DC 3.87V from battery or DC 11V from adapter |
| Operation FrequencyBand(s) | UNII-1: 5180 MHz~5240 MHz UNII-2A: 5260 MHz ~ 5320 MHz UNII-2C: 5500 MHz ~ 5700 MHz UNII-3: 5745 MHz~5825MHz |
| Modulation Type | IEEE 802.11n: OFDM (64QAM,16QAM,QPSK,BPSK) IEEE 802.11a: OFDM (64QAM,16QAM,QPSK,BPSK) IEEE802.11ac: OFDM (64QAM,16QAM, 256QAM,QPSK,BPSK) |
| Maximum Output Power _UNII-1 | IEEE 802.11n20: 4.79dBm(0.003013 W) |
| Maximum Output Power _UNII-2A | IEEE 802.11a: 5.01dBm(0.003170W) |
| Maximum Output Power _UNII-2C | IEEE 802.11n40: 4.46dBm(0.002793W) |
| Maximum Output Power _UNII-3 | IEEE 802.11a: 3.73dBm(0.002360W) |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

| IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) | | IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) | | IEEE 802.11ac(VHT80) | |
|--|-----------------|--|-----------------|----------------------|-----------------|
| UNII-1 | | UNII-1 | | UNII-1 | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 36 | 5180 | 38 | 5190 | 42 | 5210 |
| 40 | 5200 | 46 | 5230 | | |
| 44 | 5220 | | | | |
| 48 | 5240 | | | | |

| IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) | | IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) | | IEEE 802.11ac(VHT80) | |
|--|-----------------|--|-----------------|----------------------|-----------------|
| UNII-2A | | UNII-2A | | UNII-2A | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 52 | 5260 | 54 | 5270 | 58 | 5290 |
| 56 | 5280 | 62 | 5310 | | |
| 60 | 5300 | | | | |
| 64 | 5320 | | | | |

| IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) | | IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) | | IEEE 802.11ac(VHT80) | |
|--|-----------------|--|-----------------|----------------------|-----------------|
| UNII-2C | | UNII-2C | | UNII-2C | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 100 | 5500 | 102 | 5510 | 106 | 5530 |
| 116 | 5580 | 110 | 5550 | | |
| 136 | 5680 | | | | |
| 140 | 5700 | | | | |

| IEEE 802.11a IEEE 802.11n(HT20) IEEE 802.11ac(VHT20) | | IEEE 802.11n(HT40) IEEE 802.11ac(VHT40) | | IEEE 802.11ac(VHT80) | |
|--|-----------------|--|-----------------|----------------------|-----------------|
| UNII-3 | | UNII-3 | | UNII-3 | |
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 149 | 5745 | 151 | 5755 | 155 | 5775 |
| 153 | 5765 | 159 | 5795 | | |
| 157 | 5785 | | | | |
| 161 | 5805 | | | | |
| 165 | 5825 | | | | |

3. Antenna Specification:

| Ant. | Manufactured | Model Name | Antenna Type | Connector | Gain (dBi) |
|------|--|------------|--------------|-----------|------------|
| 1 | SHENZHEN HENGXIANGTONG ANTENNA TECHNOLOGY CO., LTD. | M22C | LDS | N/A | 4.0 |

Note:

- 1) The antenna gain is provided by the manufacturer.
- 2) The antenna is for testing purposes only.

2.2 TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

| Pretest Mode | Description |
|--------------|---|
| Mode 1 | TX A ModeChannel 36/40/48 (UNII-1) |
| Mode 2 | TX N(HT20) ModeChannel 36/40/48 (UNII-1) |
| Mode 3 | TX N(HT40) Mode Channel 38/46 (UNII-1) |
| Mode 4 | TX AC(VHT20) ModeChannel 36/40/48 (UNII-1) |
| Mode 5 | TX AC(VHT40) ModeChannel 38/46 (UNII-1) |
| Mode 6 | TX AC(VHT80) Mode Channel 42 (UNII-1) |
| Mode 7 | TX A Mode Channel 149/157/165 (UNII-3) |
| Mode 8 | TX N(HT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 9 | TX N(HT40) Mode Channel 151/159 (UNII-3) |
| Mode 10 | TX AC(VHT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 11 | TX AC(VHT40) Mode Channel 151/159 (UNII-3) |
| Mode 12 | TX AC(VHT80) Mode Channel 155 (UNII-3) |
| Mode 13 | TX A Mode Channel 52/60/64 (UNII-2A) |
| Mode 14 | TX N(HT20) Mode Channel 52/60/64 (UNII-2A) |
| Mode 15 | TX N(HT40) Mode Channel 54/62 (UNII-2A) |
| Mode 16 | TX AC(VHT20) Mode Channel 52/60/64 (UNII-2A) |
| Mode 17 | TX AC(VHT40) Mode Channel 54/62 (UNII-2A) |
| Mode 18 | TX AC(VHT80) Mode Channel 58 (UNII-2A) |
| Mode 19 | TX A Mode Channel 100/116/140 (UNII-2C) |
| Mode 20 | TX N(HT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 21 | TX N(HT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 22 | TX AC(VHT20) Mode Channel 100/116/140 (UNII-2C) |
| Mode 23 | TX AC(VHT40) Mode Channel 102/110/134 (UNII-2C) |
| Mode 24 | TX AC(VHT80) Mode Channel 106/122 (UNII-2C) |

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

| AC power line conducted emissions test | |
|--|--|
| Final Test Mode | Description |
| Mode 24 | TX AC(VHT80) Mode Channel 155 (UNII-3) |

| Radiated Emissions Test - Below 1GHz | |
|--------------------------------------|--|
| Final Test Mode | Description |
| Mode 24 | TX AC(VHT80) Mode Channel 155 (UNII-3) |

| Radiated Emissions Test - Above 1GHz | |
|--------------------------------------|--|
| Final Test Mode | Description |
| Mode 1 | TX A ModeChannel 36/40/48 (UNII-1) |
| Mode 2 | TX N(HT20) Mode Channel 36/40/48 (UNII-1) |
| Mode 3 | TX N(HT40) Mode Channel 38/46 (UNII-1) |
| Mode 6 | TX AC(VHT80) Mode Channel 42 (UNII-1) |
| Mode 7 | TX A Mode Channel 149/157/165 (UNII-3) |
| Mode 8 | TX N(HT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 9 | TX N(HT40) Mode Channel 151/159 (UNII-3) |
| Mode 10 | TX AC(VHT80) Mode Channel 155 (UNII-3) |

| Conducted Test | |
|-----------------|--|
| Final Test Mode | Description |
| Mode 1 | TX A ModeChannel 36/40/48 (UNII-1) |
| Mode 2 | TX N(HT20) Mode Channel 36/40/48 (UNII-1) |
| Mode 3 | TX N(HT40) Mode Channel 38/46 (UNII-1) |
| Mode 4 | TX AC(VHT20) Mode Channel 36/40/48 (UNII-1) |
| Mode 5 | TX AC(VHT40) Mode Channel 38/46 (UNII-1) |
| Mode 6 | TX AC(VHT80) Mode Channel 42 (UNII-1) |
| Mode 7 | TX A Mode Channel 149/157/165 (UNII-3) |
| Mode 8 | TX N(HT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 9 | TX N(HT40) Mode Channel 151/159 (UNII-3) |
| Mode 10 | TX AC(VHT20) Mode Channel 149/157/165 (UNII-3) |
| Mode 11 | TX AC(VHT40) Mode Channel 151/159 (UNII-3) |
| Mode 12 | TX AC(VHT80) Mode Channel 155 (UNII-3) |

Note:

- (1) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX N(HT40) Mode Channel 36 (UNII-1) is found to be the worst case and recorded.
- (2) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz and 26.5GHz~40GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (3) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (4) The measurements for Output Power are tested, the worst case are IEEE 802.11a mode, IEEE 802.11n(HT20) mode, IEEE 802.11n(HT40) mode, IEEE 802.11ac(VHT80) mode, only the worst cases are documented for other test items.

2.3DUTY CYCLE

If duty cycle is $\geq 98\%$, duty factor is not required.

If duty cycle is $< 98\%$, duty factor shall be considered.

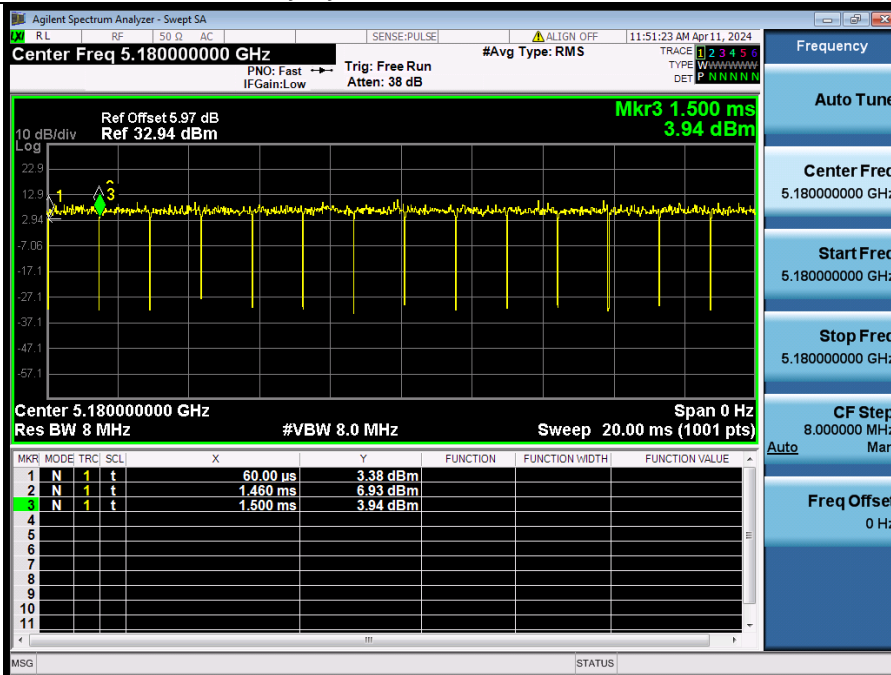
The output power = measured power + duty factor.

The power spectral density = measured power spectral density + duty factor.

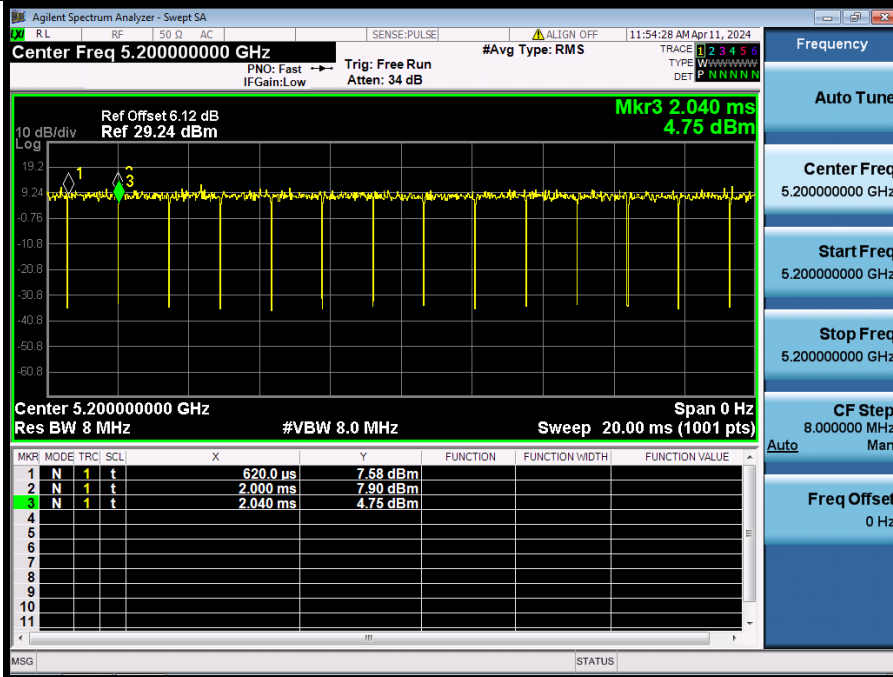
UNII-1

| Condition | Antenna | Modulation | Frequency (MHz) | Duty cycle(%) | Duty_factor |
|-----------|---------|-----------------|-----------------|---------------|-------------|
| HVNT | ANT1 | 802.11a | 5180.00 | 97.22 | 0.12 |
| HVNT | ANT1 | 802.11a | 5200.00 | 97.18 | 0.12 |
| HVNT | ANT1 | 802.11a | 5240.00 | 97.22 | 0.12 |
| HVNT | ANT1 | 802.11n(HT20) | 5180.00 | 97.01 | 0.13 |
| HVNT | ANT1 | 802.11n(HT20) | 5200.00 | 97.01 | 0.13 |
| HVNT | ANT1 | 802.11n(HT20) | 5240.00 | 95.59 | 0.20 |
| HVNT | ANT1 | 802.11ac(VHT20) | 5180.00 | 95.59 | 0.20 |
| HVNT | ANT1 | 802.11ac(VHT20) | 5200.00 | 97.01 | 0.13 |
| HVNT | ANT1 | 802.11ac(VHT20) | 5240.00 | 97.01 | 0.13 |
| HVNT | ANT1 | 802.11n(HT40) | 5190.00 | 94.29 | 0.26 |
| HVNT | ANT1 | 802.11n(HT40) | 5230.00 | 94.29 | 0.26 |
| HVNT | ANT1 | 802.11ac(VHT40) | 5190.00 | 94.29 | 0.26 |
| HVNT | ANT1 | 802.11ac(VHT40) | 5230.00 | 91.43 | 0.39 |
| HVNT | ANT1 | 802.11ac(VHT80) | 5210.00 | 98.17 | 0.00 |

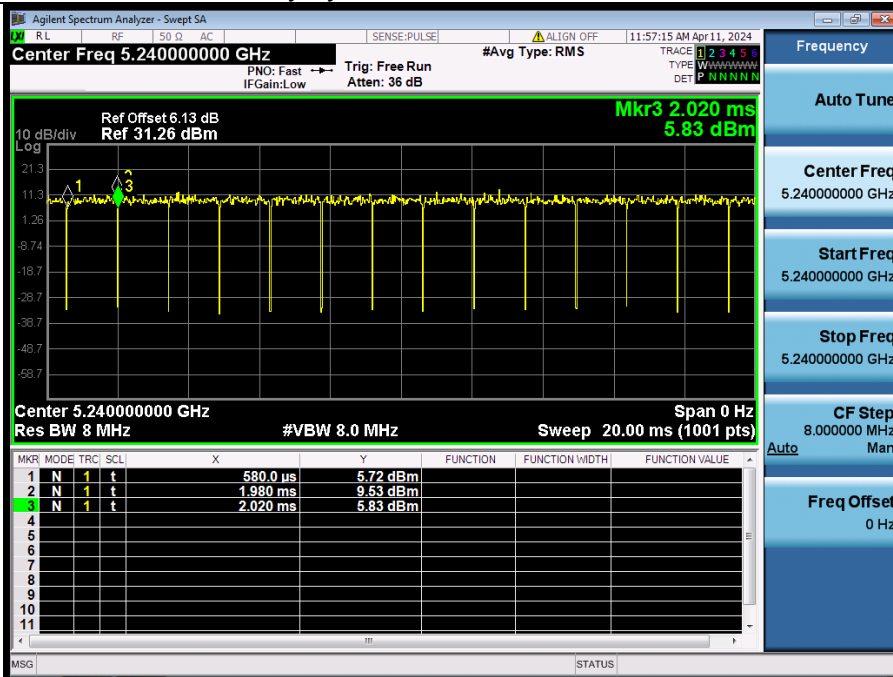
Duty_Cycle_HVNT_ANT1_802_11a_5180



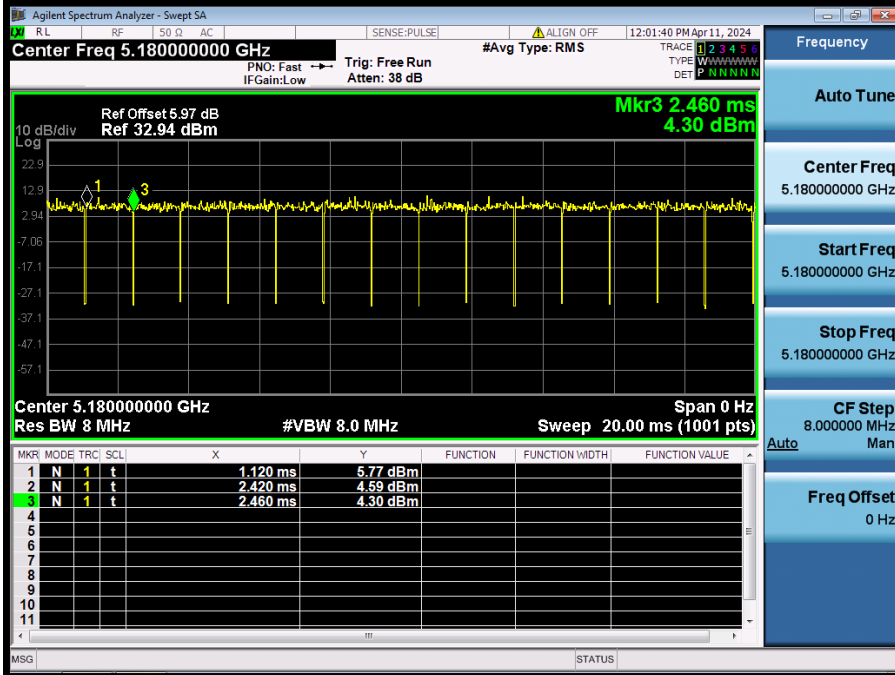
Duty Cycle HVNT_ANT1_802_11a_5200



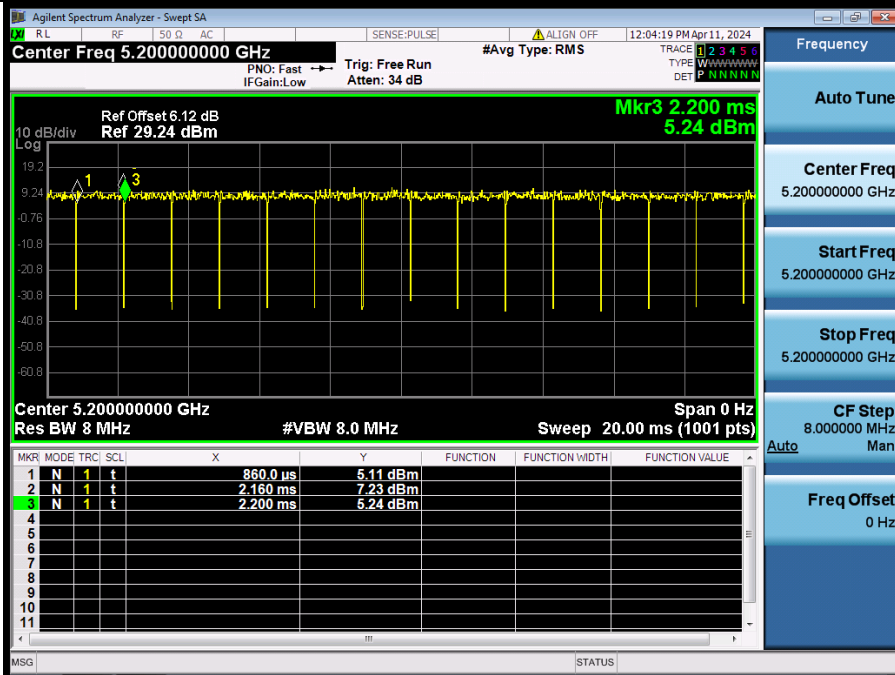
Duty Cycle HVNT_ANT1_802_11a_5240



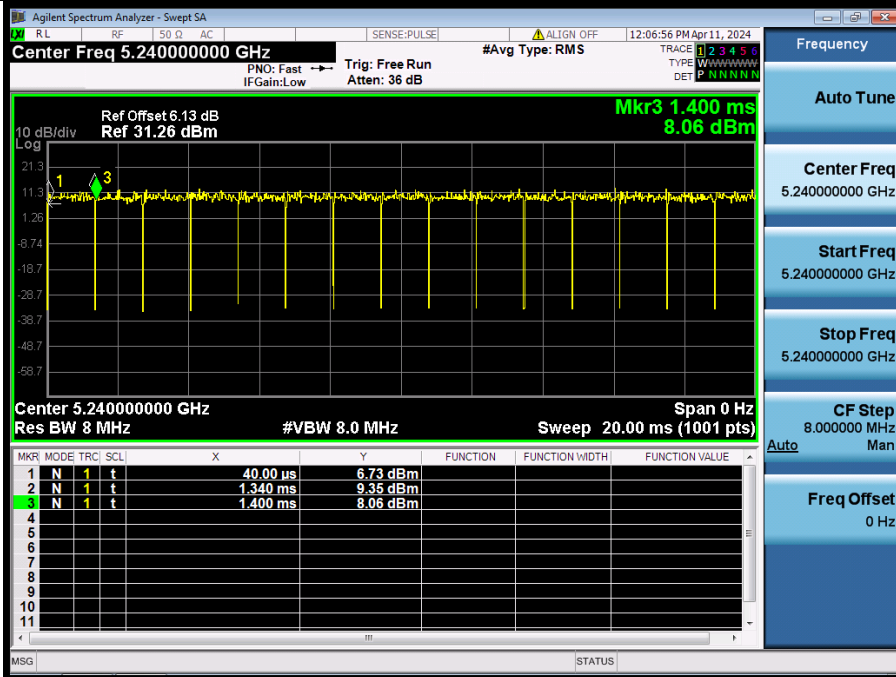
Duty Cycle HVNT_ANT1_802_11n(HT20)_5180



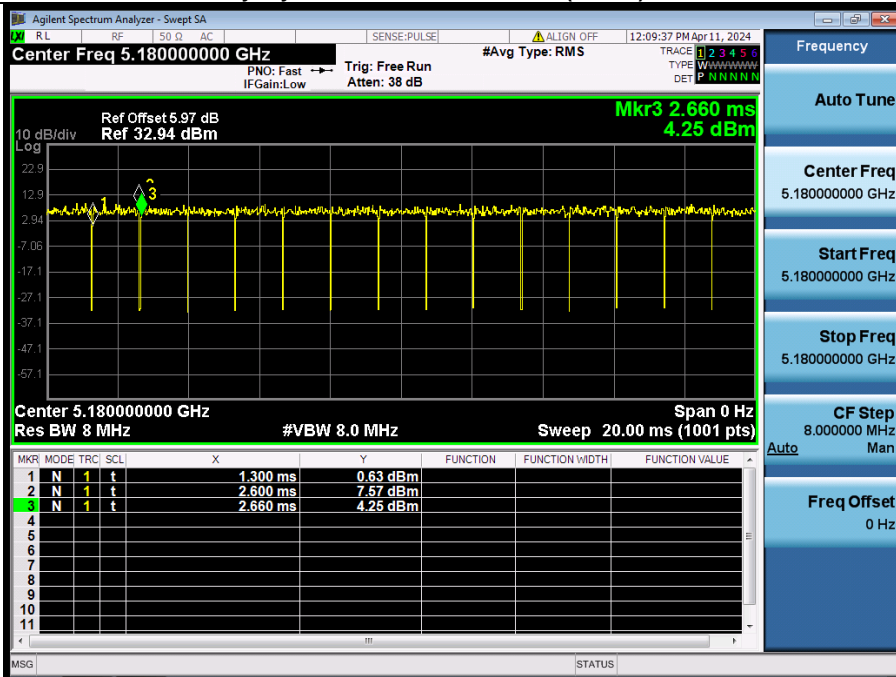
Duty Cycle HVNT_ANT1_802_11n(HT20)_5200



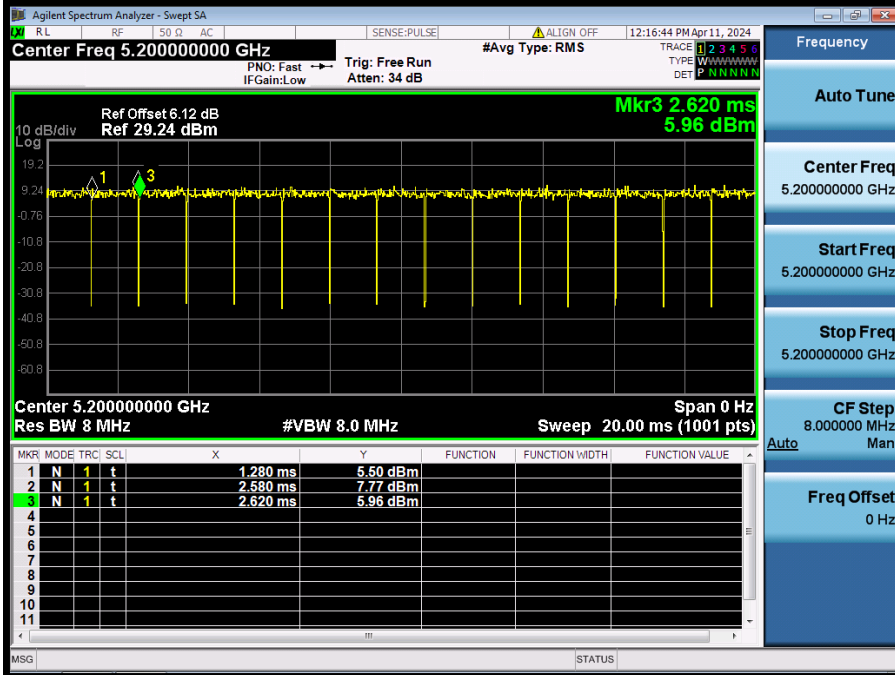
Duty Cycle HVNT_ANT1_802_11n(HT20)_5240



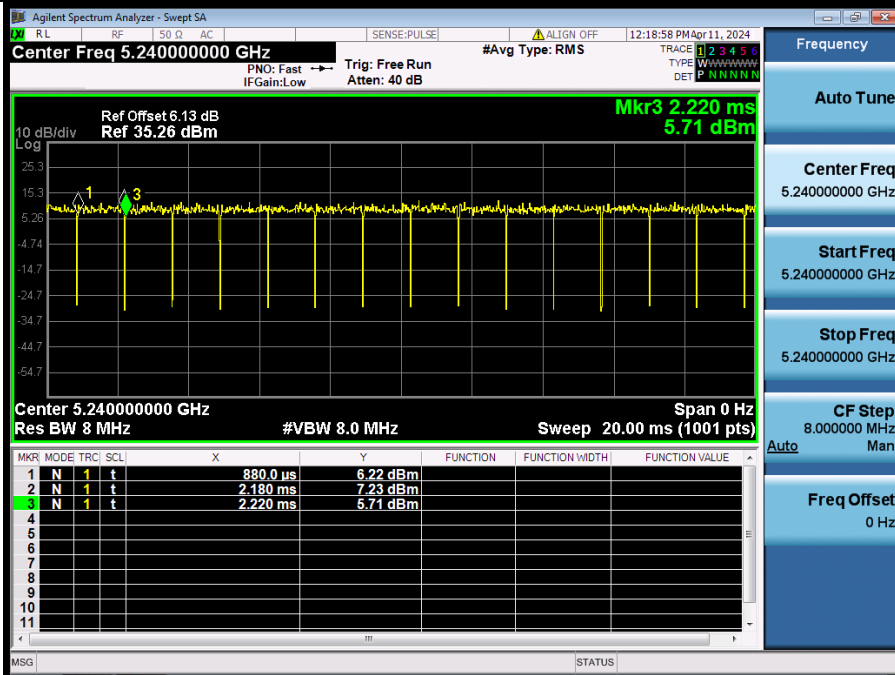
Duty Cycle HVNT_ANT1_802_11ac(VHT20)_5180



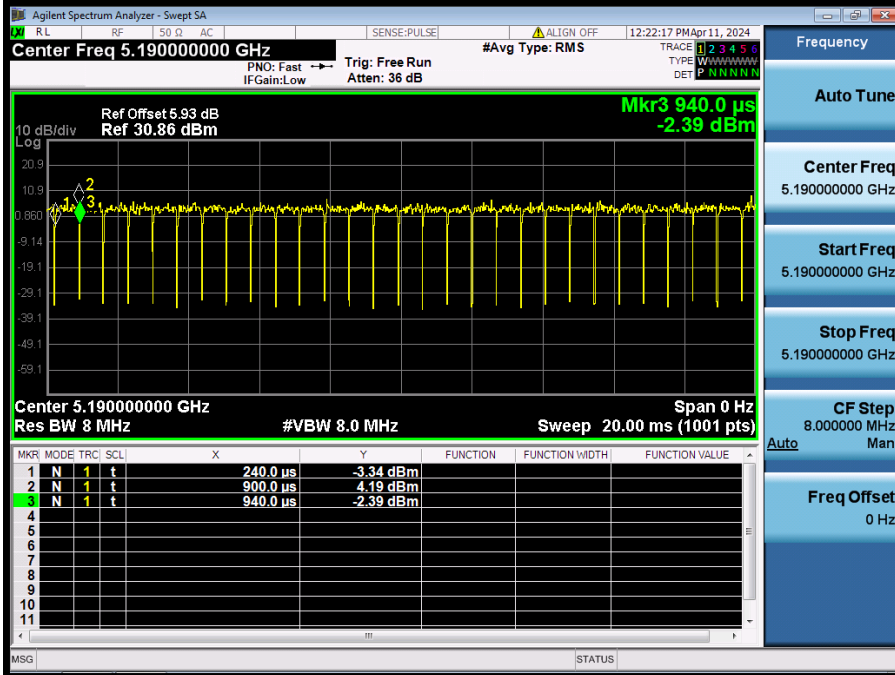
Duty Cycle_HVNT_ANT1_802_11ac(VHT20)_5200



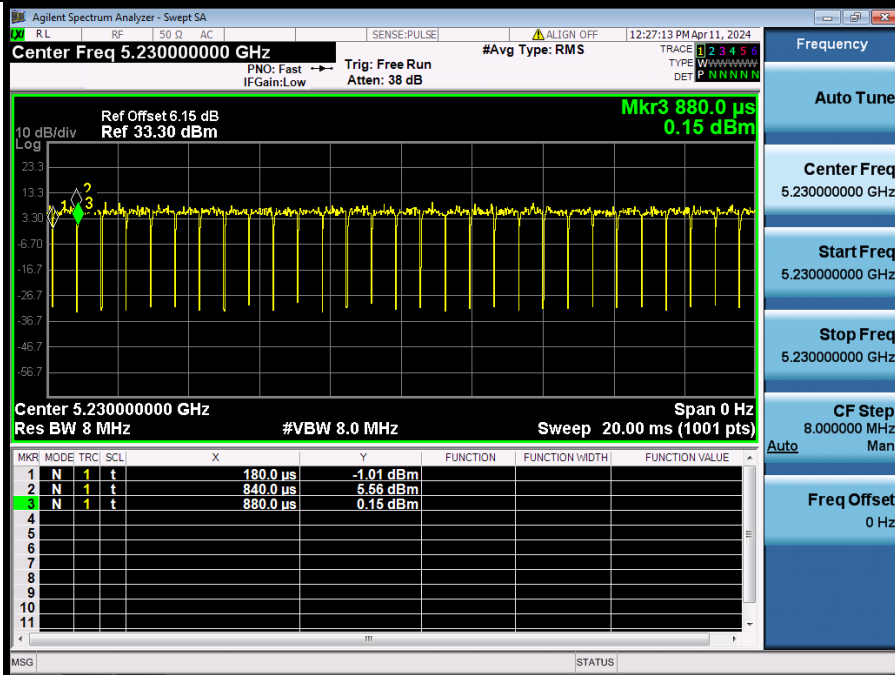
Duty Cycle_HVNT_ANT1_802_11ac(VHT20)_5240

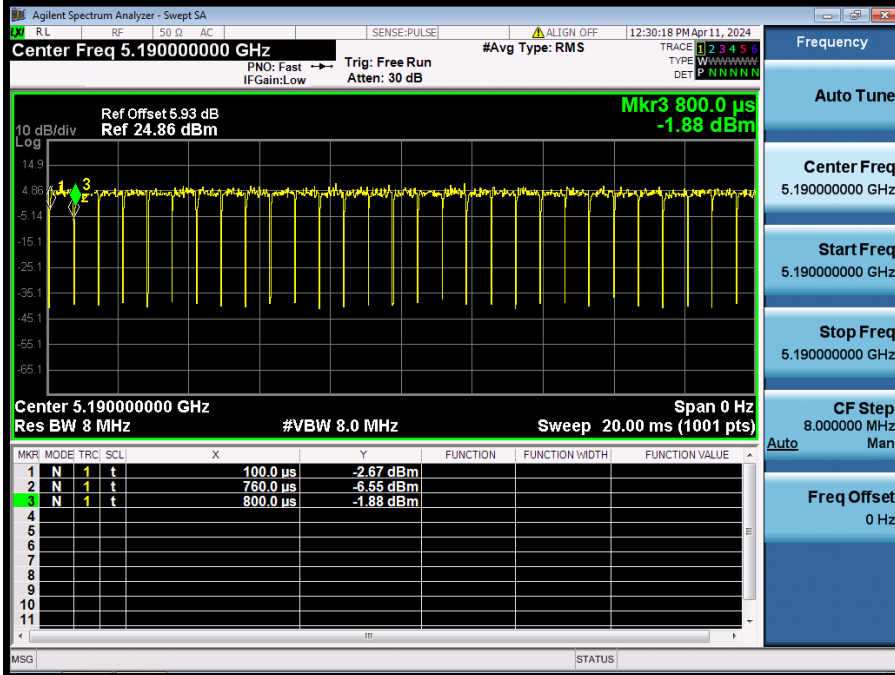
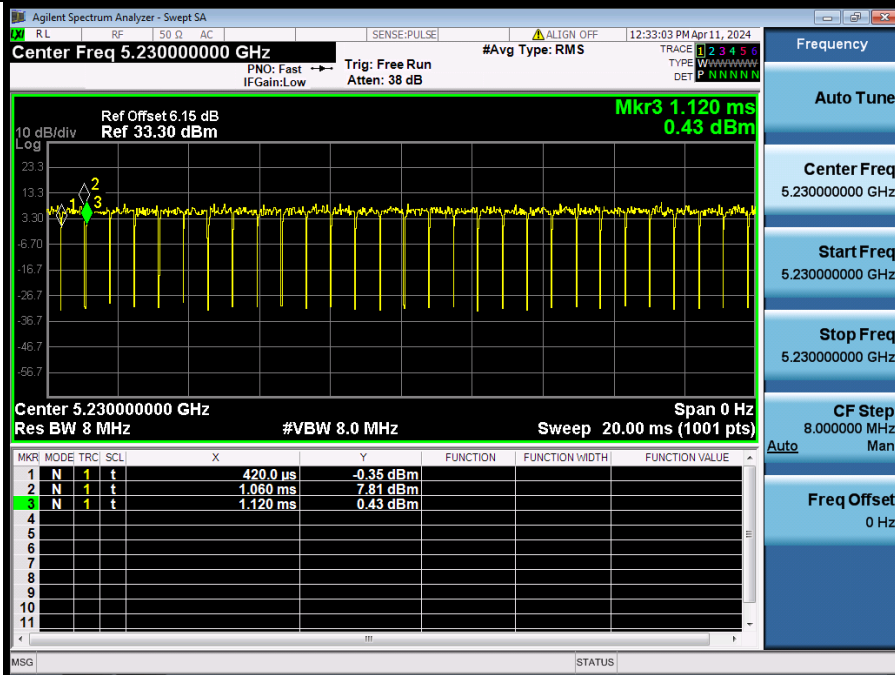


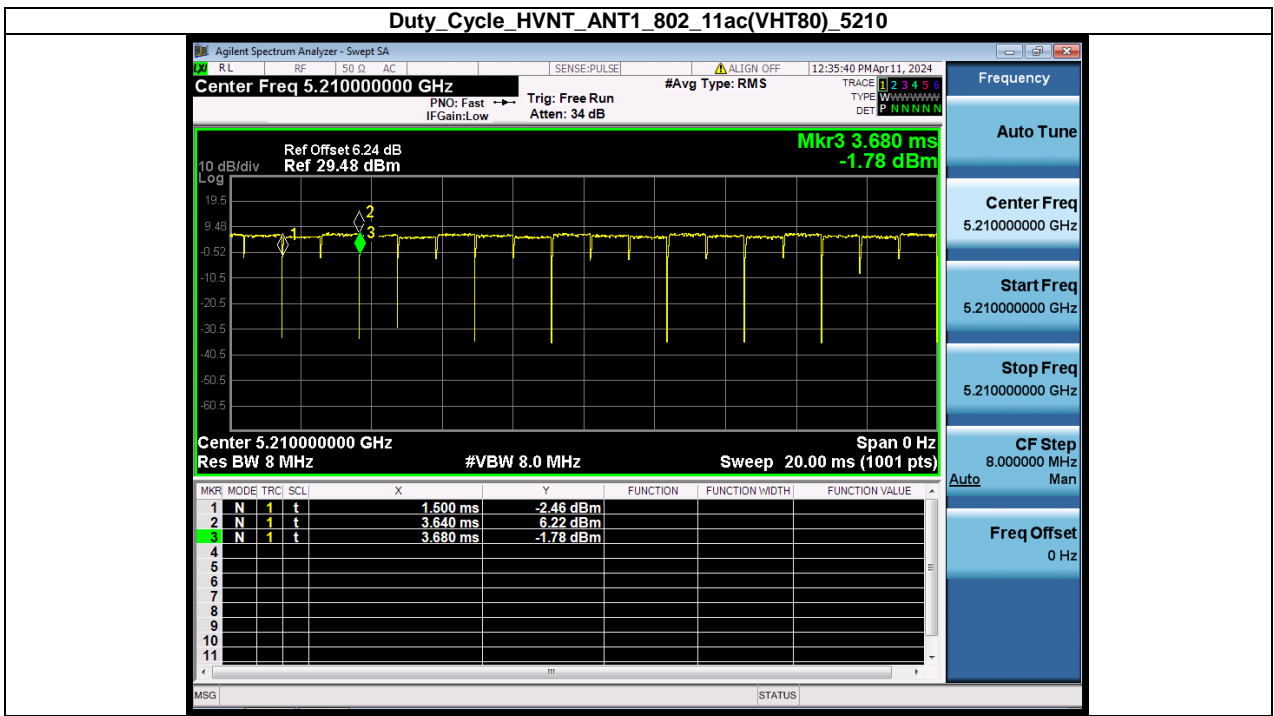
Duty Cycle HVNT_ANT1_802_11n(HT40)_5190



Duty Cycle HVNT_ANT1_802_11n(HT40)_5230



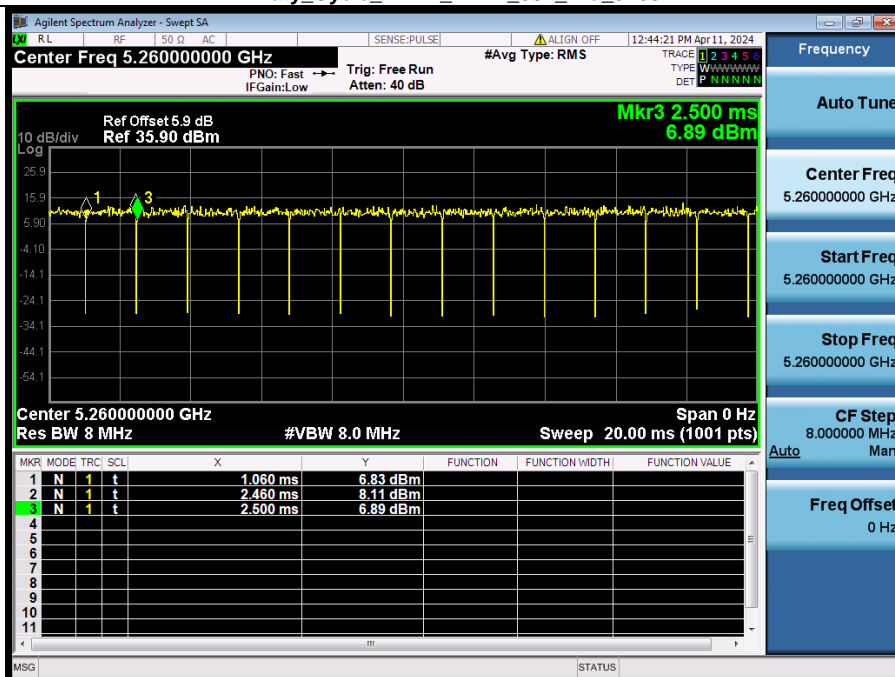
Duty Cycle_HVNT_ANT1_802_11ac(VHT40)_5190

Duty Cycle_HVNT_ANT1_802_11ac(VHT40)_5230




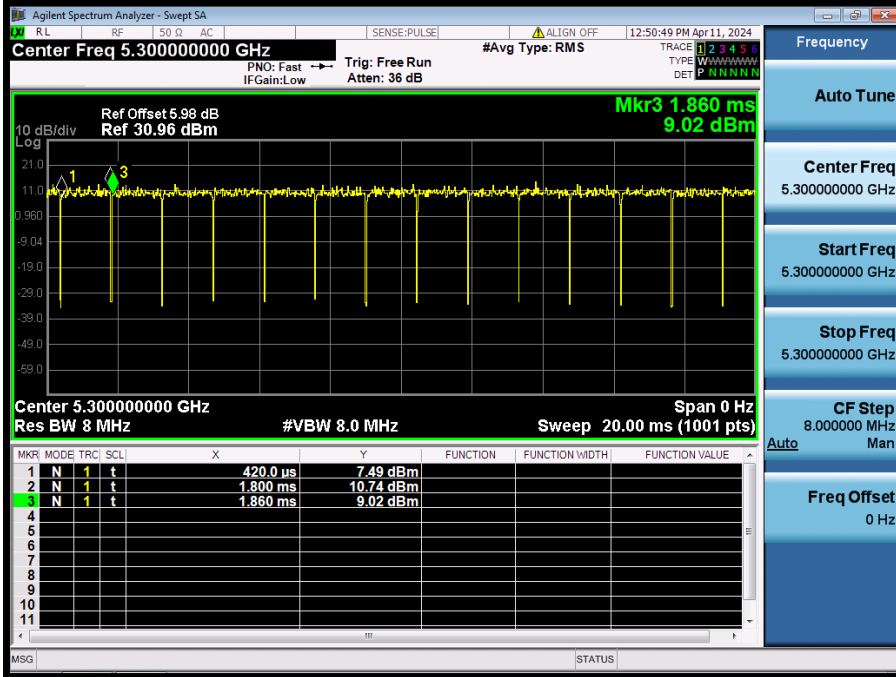
UNII-2A

| Condition | Antenna | Modulation | Frequency(MHz) | Duty cycle(%) | Duty_factor |
|-----------|---------|-----------------|----------------|---------------|-------------|
| NVNT | ANT1 | 802.11a | 5260.00 | 97.22 | 0.12 |
| NVNT | ANT1 | 802.11a | 5300.00 | 95.83 | 0.18 |
| NVNT | ANT1 | 802.11a | 5320.00 | 97.18 | 0.12 |
| NVNT | ANT1 | 802.11n(HT20) | 5260.00 | 95.59 | 0.20 |
| NVNT | ANT1 | 802.11n(HT20) | 5300.00 | 95.59 | 0.20 |
| NVNT | ANT1 | 802.11n(HT20) | 5320.00 | 97.01 | 0.13 |
| NVNT | ANT1 | 802.11ac(VHT20) | 5260.00 | 97.01 | 0.13 |
| NVNT | ANT1 | 802.11ac(VHT20) | 5300.00 | 97.01 | 0.13 |
| NVNT | ANT1 | 802.11ac(VHT20) | 5320.00 | 97.01 | 0.13 |
| NVNT | ANT1 | 802.11n(HT40) | 5270.00 | 94.29 | 0.26 |
| NVNT | ANT1 | 802.11n(HT40) | 5310.00 | 91.43 | 0.39 |
| NVNT | ANT1 | 802.11ac(VHT40) | 5270.00 | 91.43 | 0.39 |
| NVNT | ANT1 | 802.11ac(VHT40) | 5310.00 | 94.12 | 0.26 |
| NVNT | ANT1 | 802.11ac(VHT80) | 5290.00 | 98.17 | 0.00 |

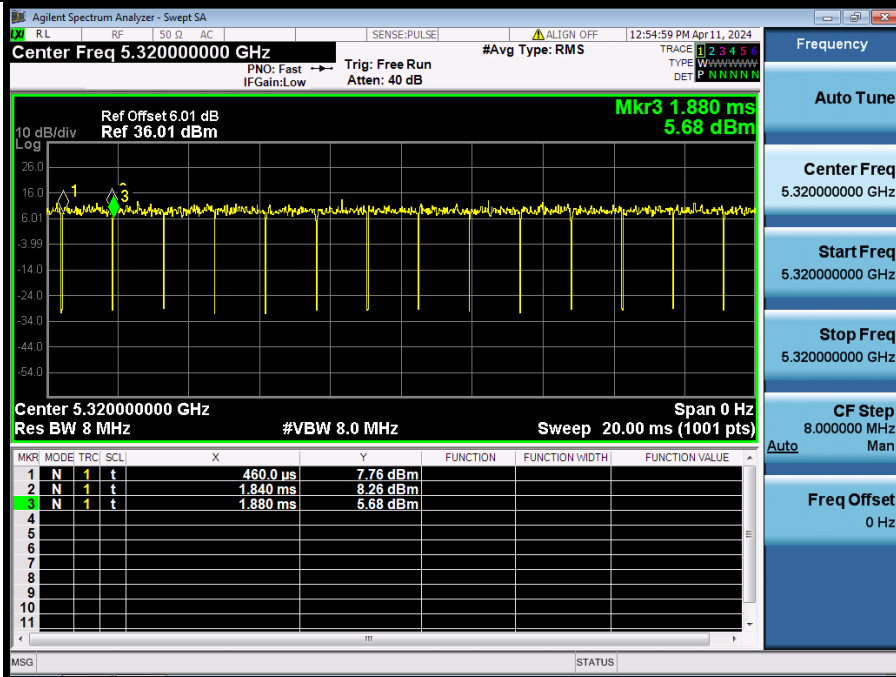
Duty_Cycle_NVNT_ANT1_802_11a_5260

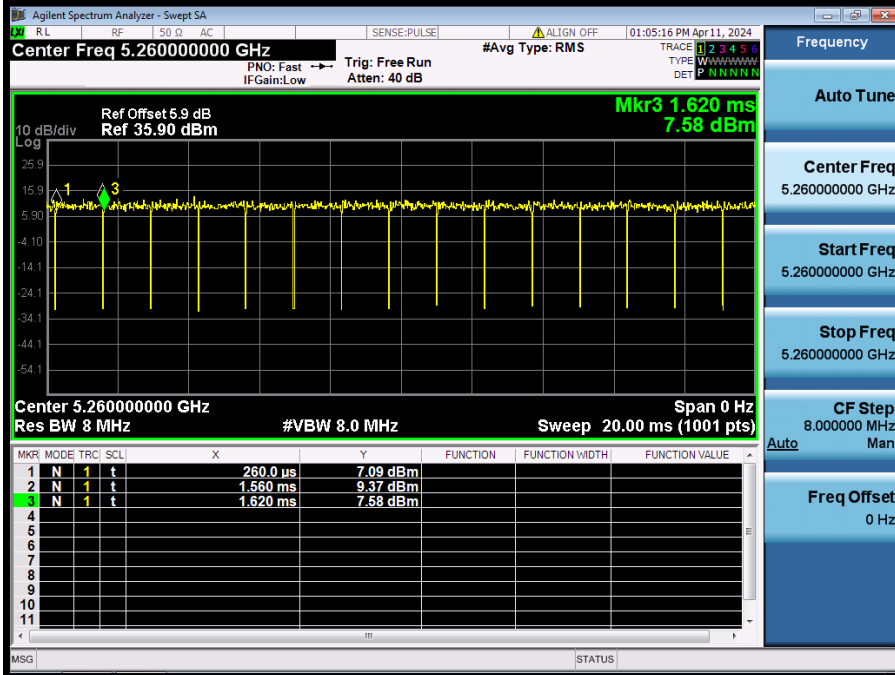
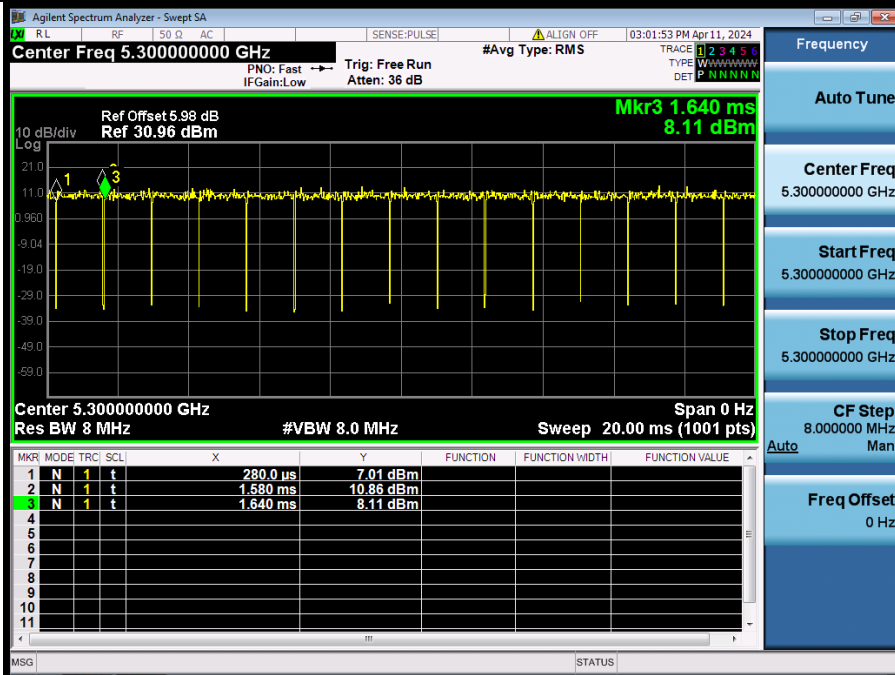


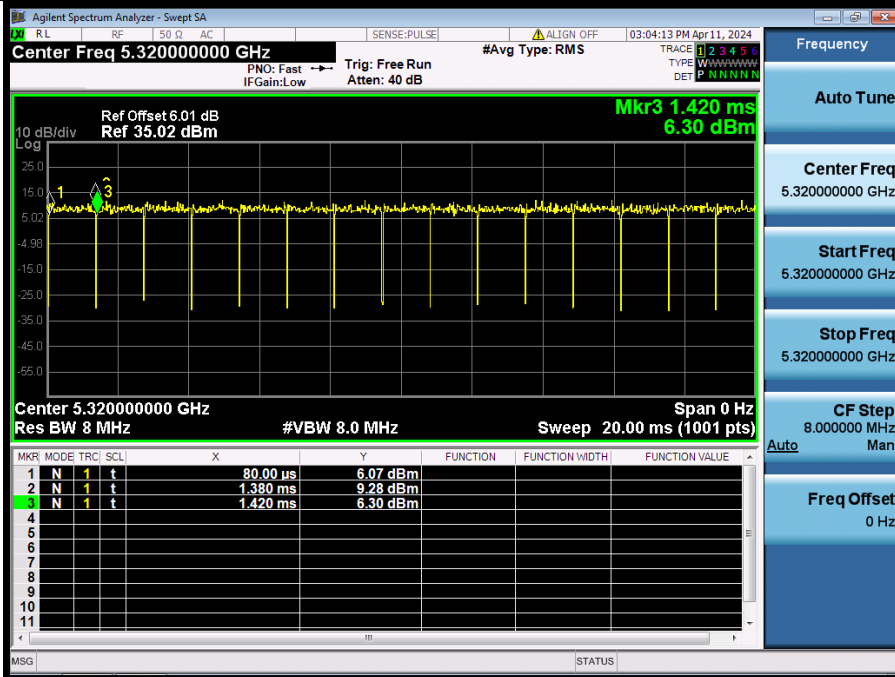
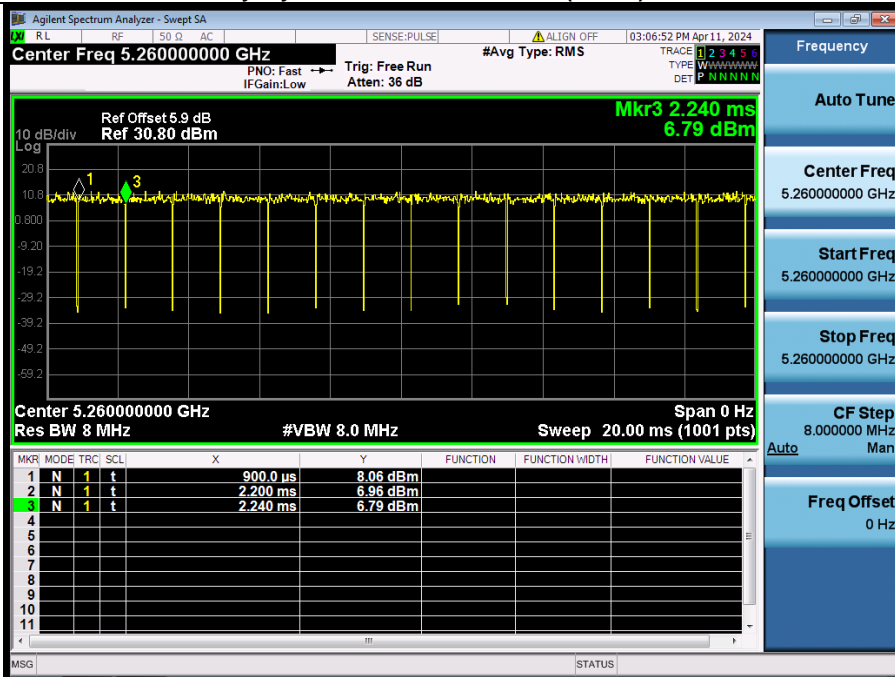
Duty Cycle NVNT_ANT1_802_11a_5300



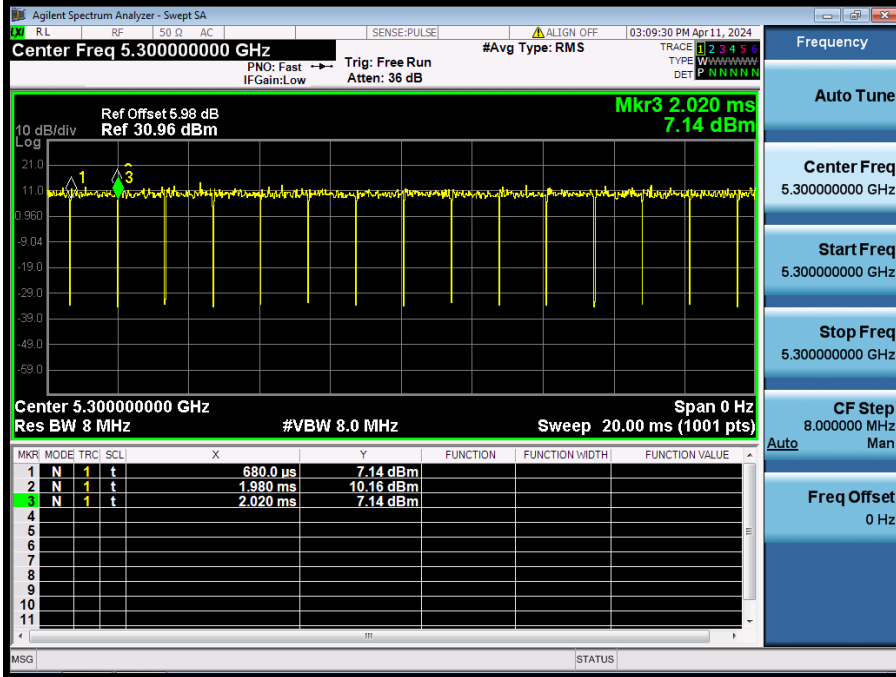
Duty Cycle NVNT_ANT1_802_11a_5320



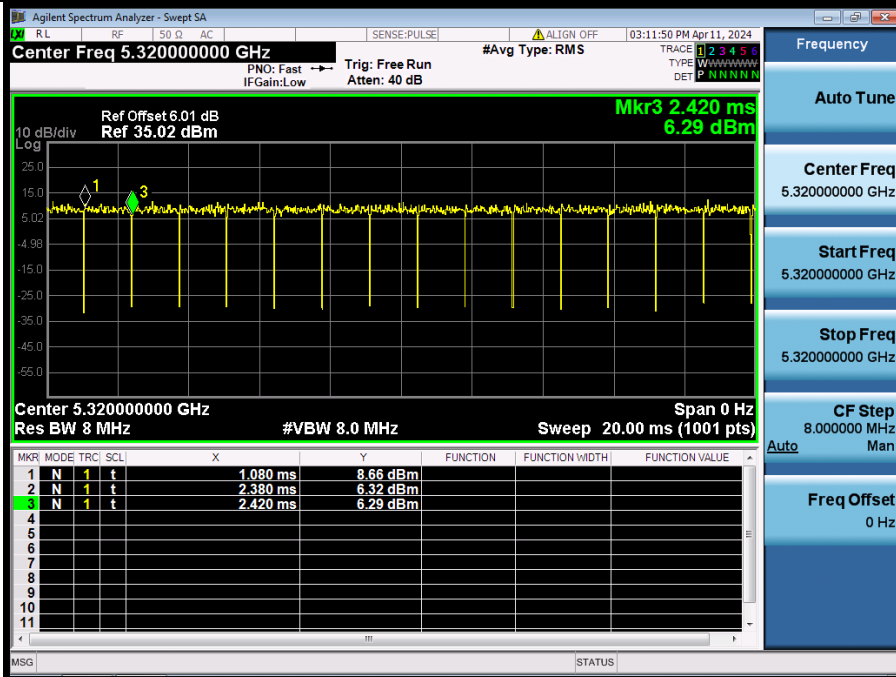
Duty Cycle NVNT_ANT1_802_11n(HT20)_5260

Duty Cycle NVNT_ANT1_802_11n(HT20)_5300


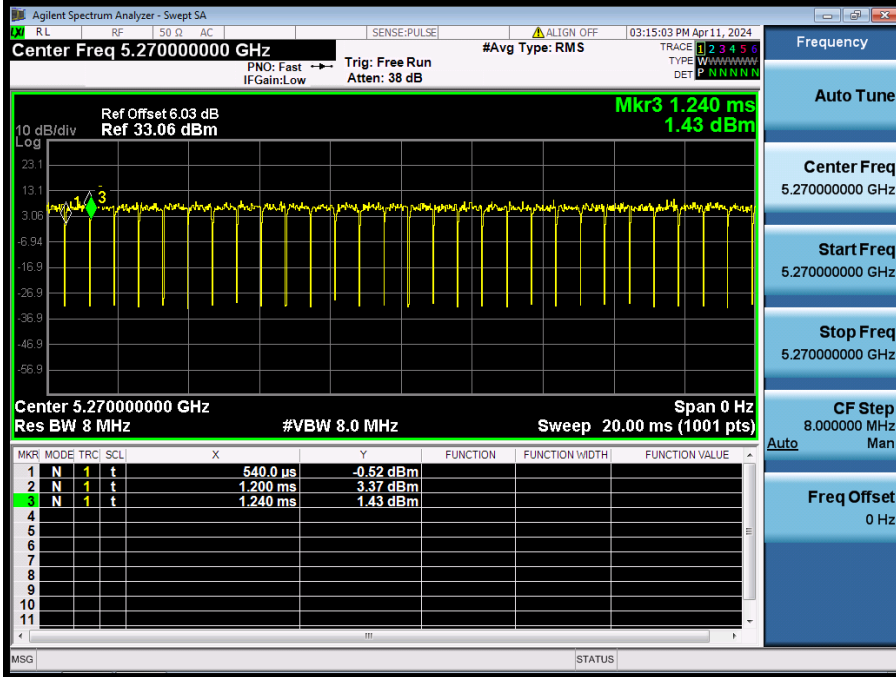
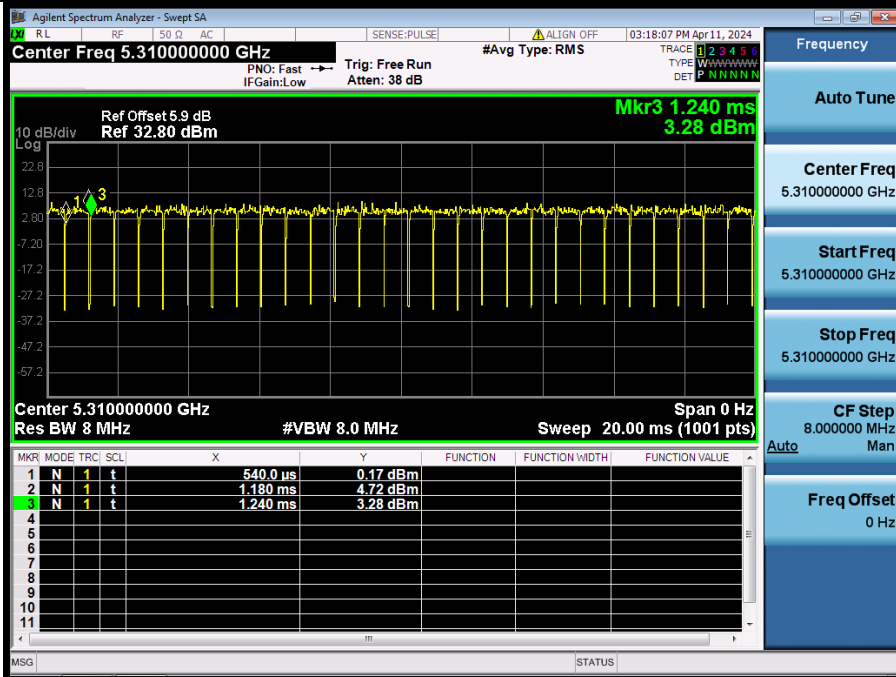
Duty Cycle NVNT_ANT1_802_11n(HT20)_5320

Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5260


Duty Cycle_NVNT_ANT1_802_11ac(VHT20)_5300

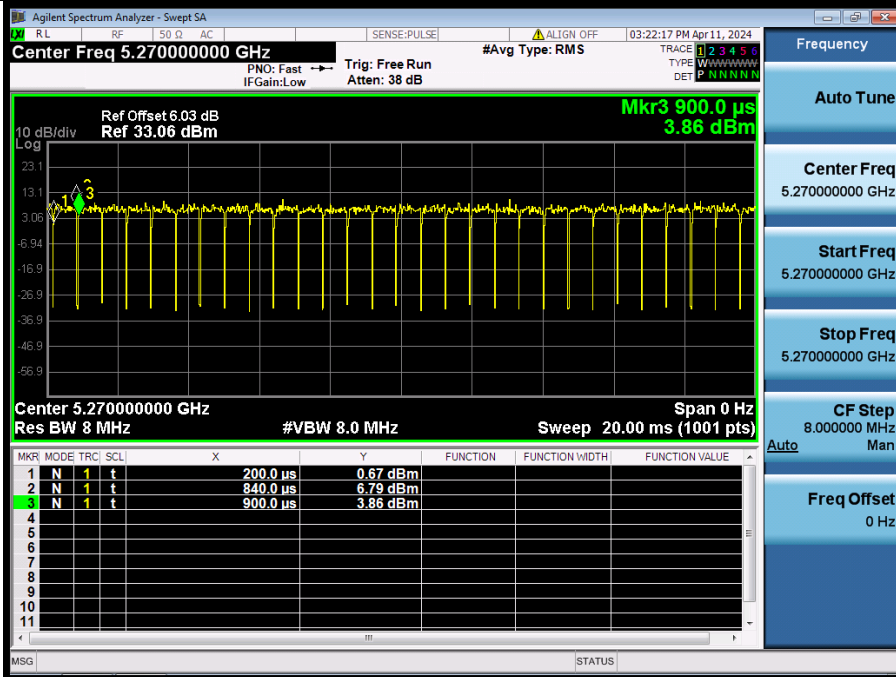


Duty Cycle_NVNT_ANT1_802_11ac(VHT20)_5320

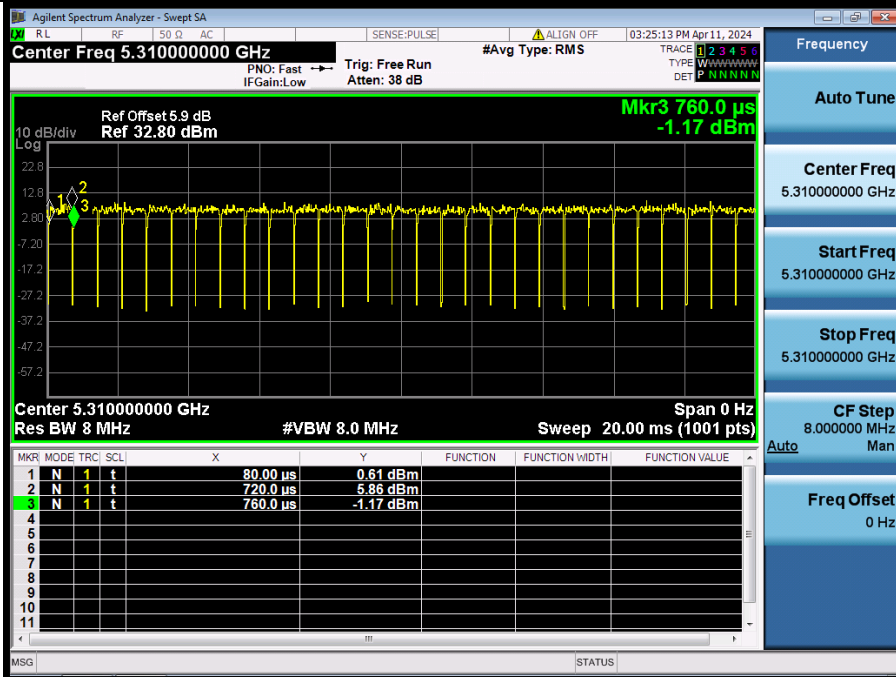


Duty Cycle NVNT_ANT1_802_11n(HT40)_5270

Duty Cycle NVNT_ANT1_802_11n(HT40)_5310


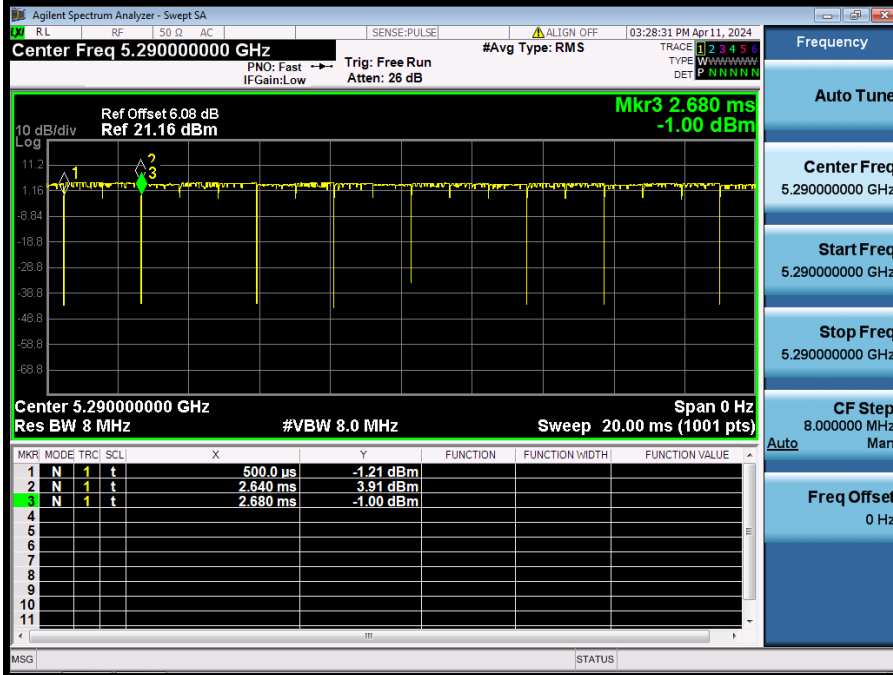
Duty Cycle_NVNT_ANT1_802_11ac(VHT40)_5270



Duty Cycle_NVNT_ANT1_802_11ac(VHT40)_5310



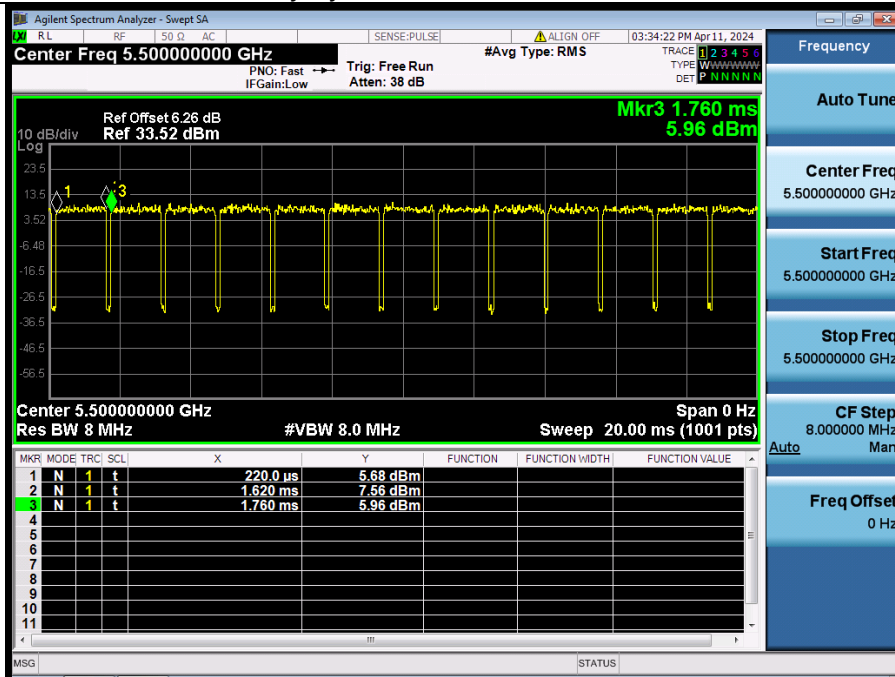
Duty Cycle_NVNT_ANT1_802_11ac(VHT80)_5290



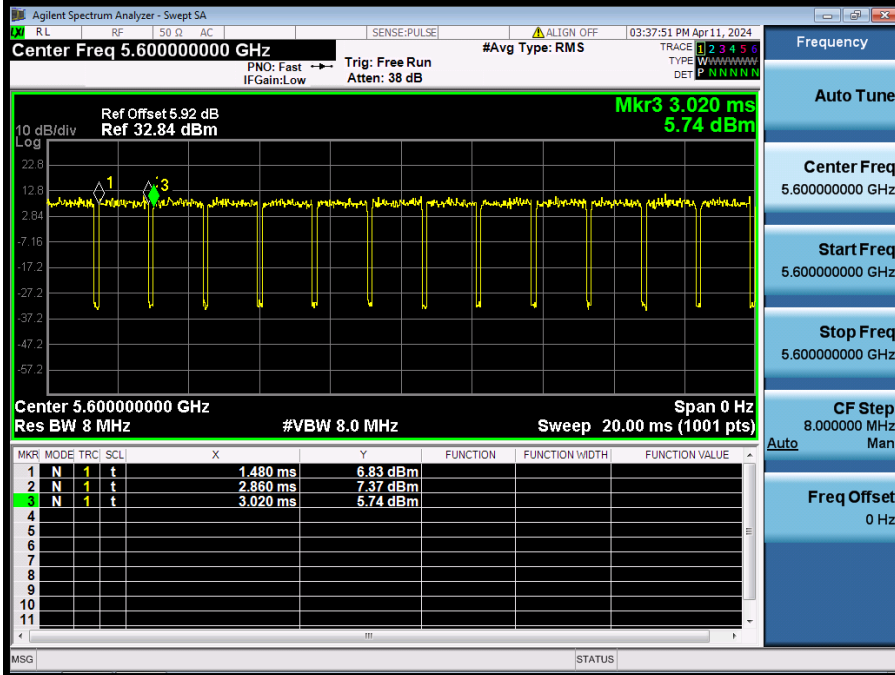
UNII-2C

| Condition | Antenna | Modulation | Frequency (MHz) | Duty cycle(%) | Duty_factor |
|-----------|---------|-----------------|-----------------|---------------|-------------|
| NVNT | ANT1 | 802.11a | 5500 | 90.91 | 0.41 |
| NVNT | ANT1 | 802.11a | 5600 | 89.61 | 0.48 |
| NVNT | ANT1 | 802.11a | 5700.00 | 89.74 | 0.47 |
| NVNT | ANT1 | 802.11n(HT20) | 5500 | 88.06 | 0.55 |
| NVNT | ANT1 | 802.11n(HT20) | 5600 | 89.39 | 0.49 |
| NVNT | ANT1 | 802.11n(HT20) | 5700.00 | 88.06 | 0.55 |
| NVNT | ANT1 | 802.11ac(VHT20) | 5500 | 89.39 | 0.49 |
| NVNT | ANT1 | 802.11ac(VHT20) | 5600 | 88.06 | 0.55 |
| NVNT | ANT1 | 802.11ac(VHT20) | 5700.00 | 88.06 | 0.55 |
| NVNT | ANT1 | 802.11n(HT40) | 5510 | 78.95 | 1.03 |
| NVNT | ANT1 | 802.11n(HT40) | 5590 | 78.38 | 1.06 |
| NVNT | ANT1 | 802.11n(HT40) | 5670 | 81.08 | 0.91 |
| NVNT | ANT1 | 802.11ac(VHT40) | 5510 | 78.95 | 1.03 |
| NVNT | ANT1 | 802.11ac(VHT40) | 5590 | 81.08 | 0.91 |
| NVNT | ANT1 | 802.11ac(VHT40) | 5670 | 78.38 | 1.06 |
| NVNT | ANT1 | 802.11ac(VHT80) | 5530 | 65.22 | 1.86 |
| NVNT | ANT1 | 802.11ac(VHT80) | 5610 | 68.18 | 1.66 |

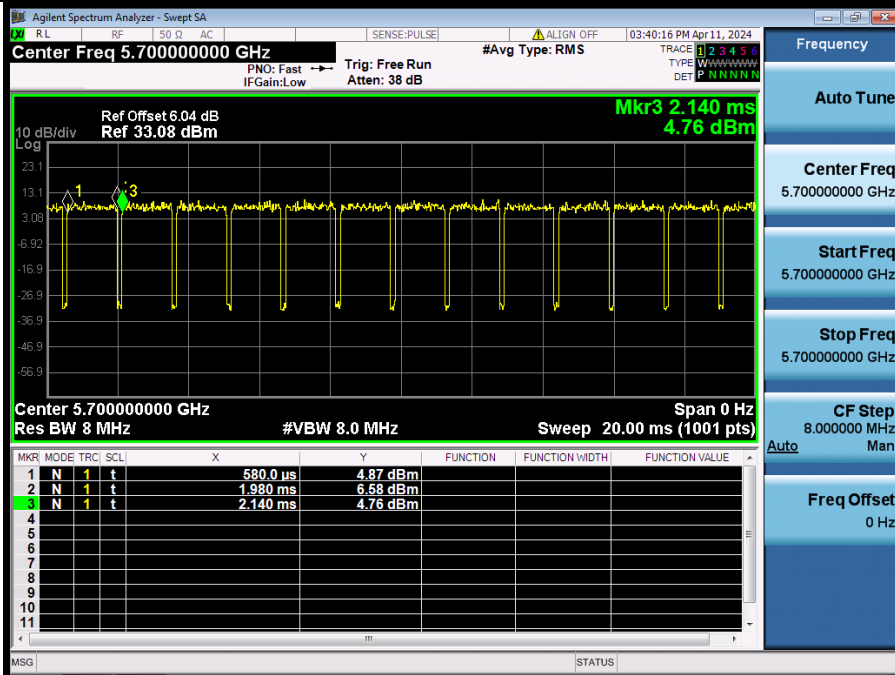
Duty_Cycle_NVNT_ANT1_802_11a_5500



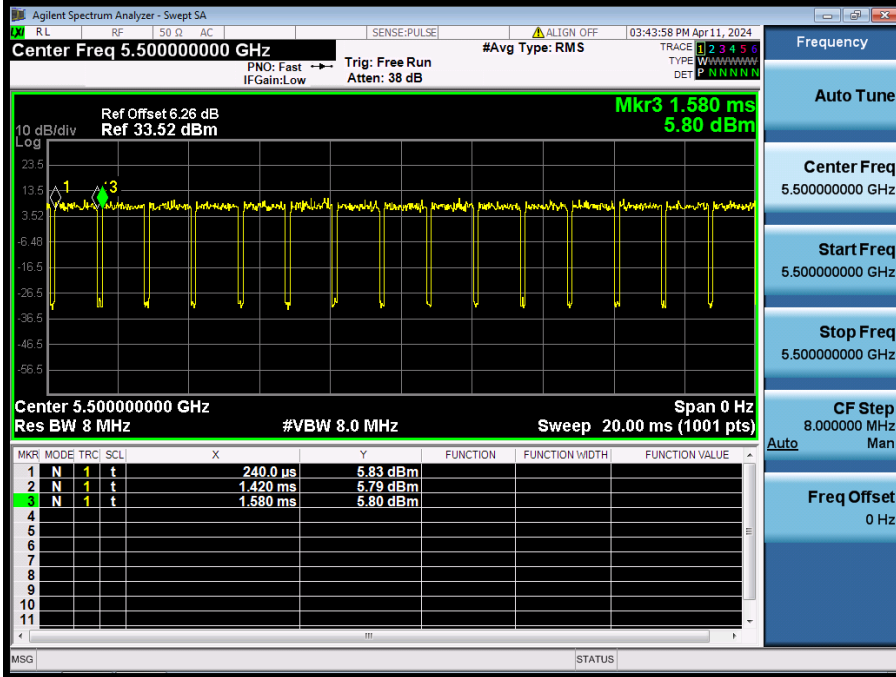
Duty Cycle NVNT_ANT1_802_11a_5600



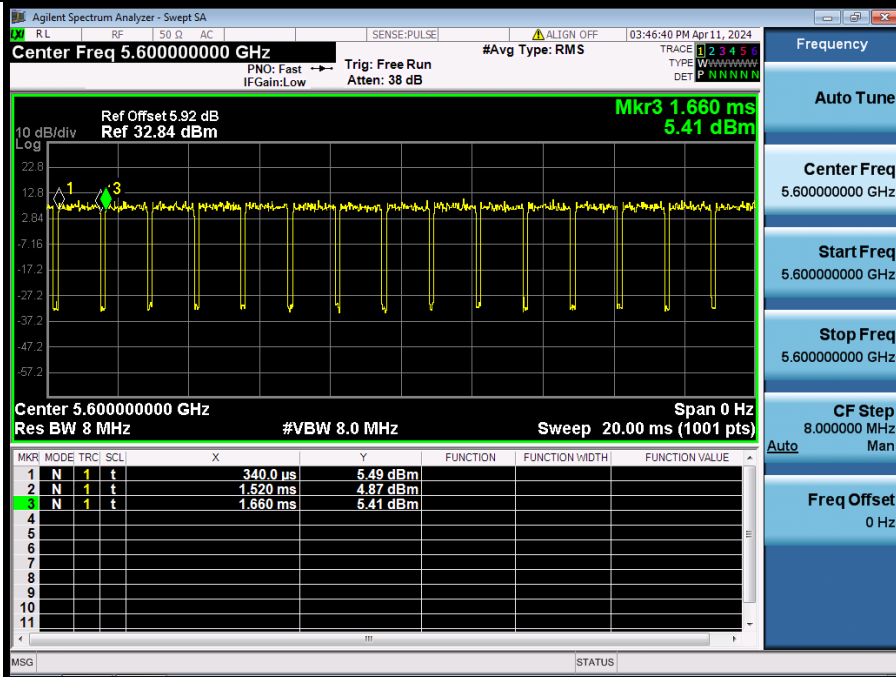
Duty Cycle NVNT_ANT1_802_11a_5700



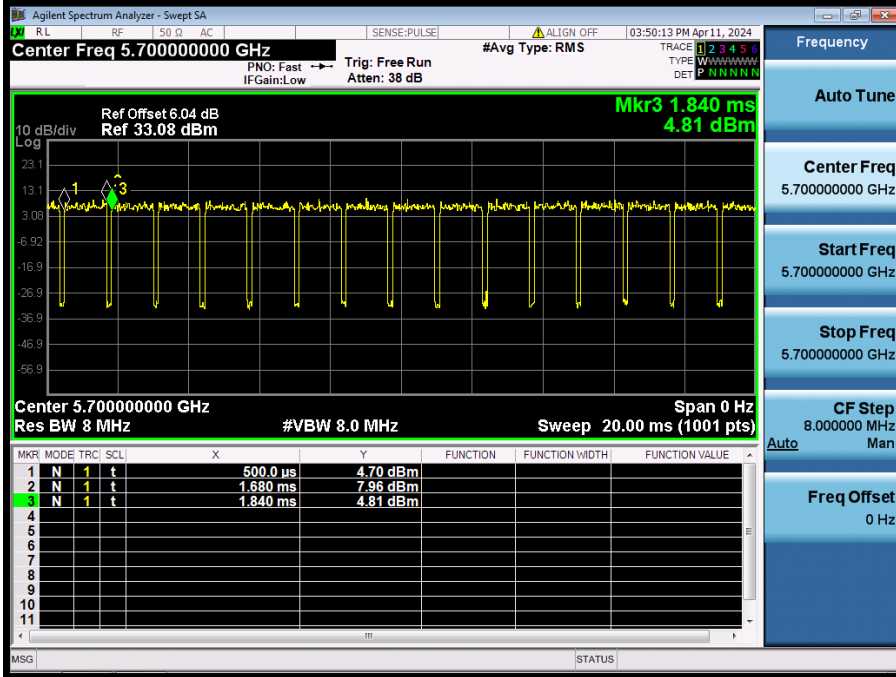
Duty Cycle NVNT_ANT1_802_11n(HT20)_5500



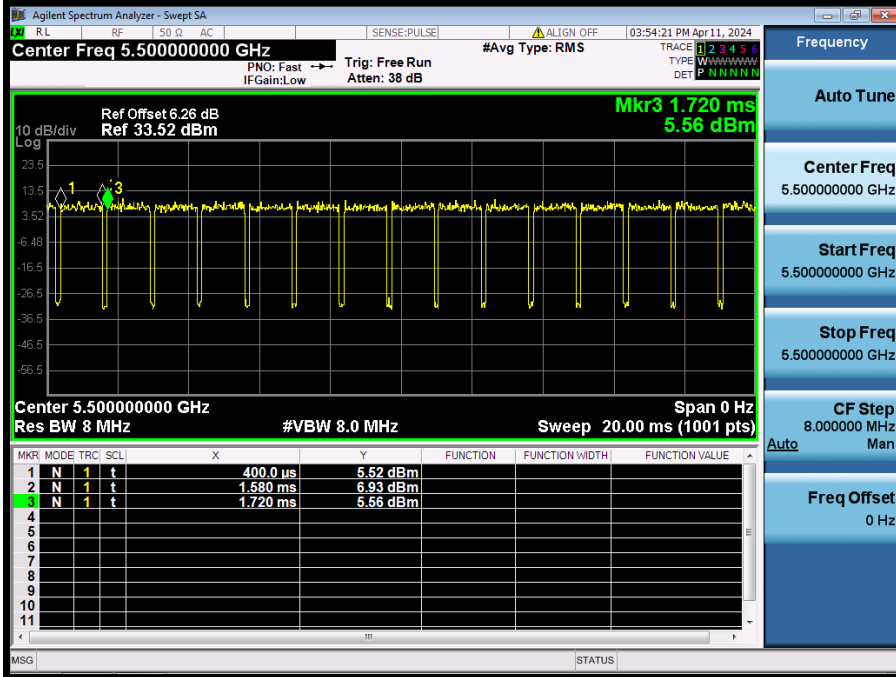
Duty Cycle NVNT_ANT1_802_11n(HT20)_5600

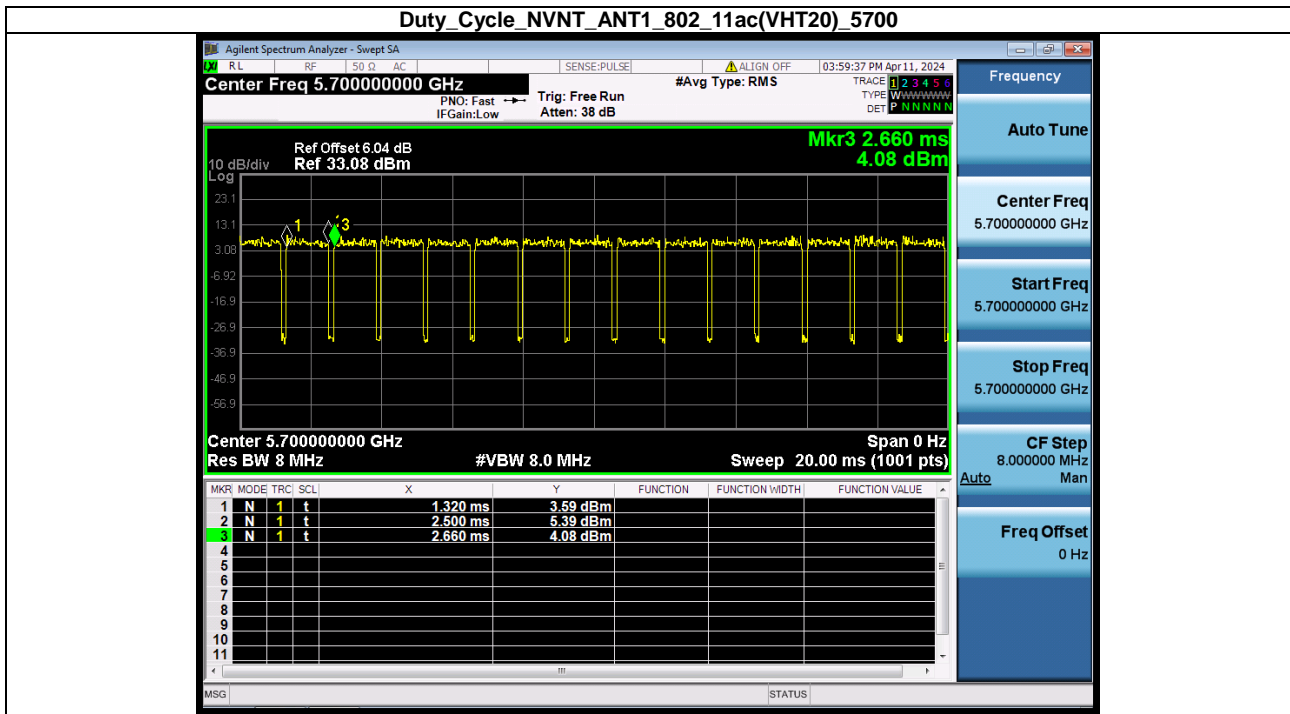
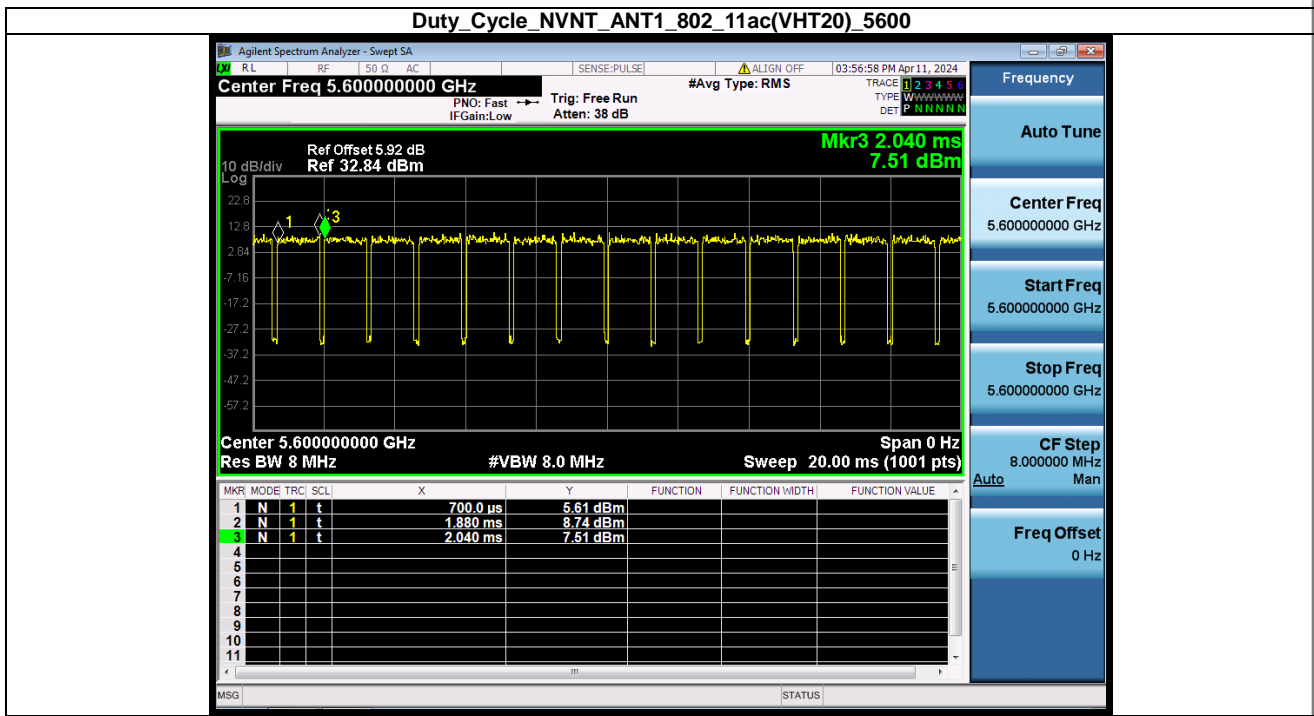


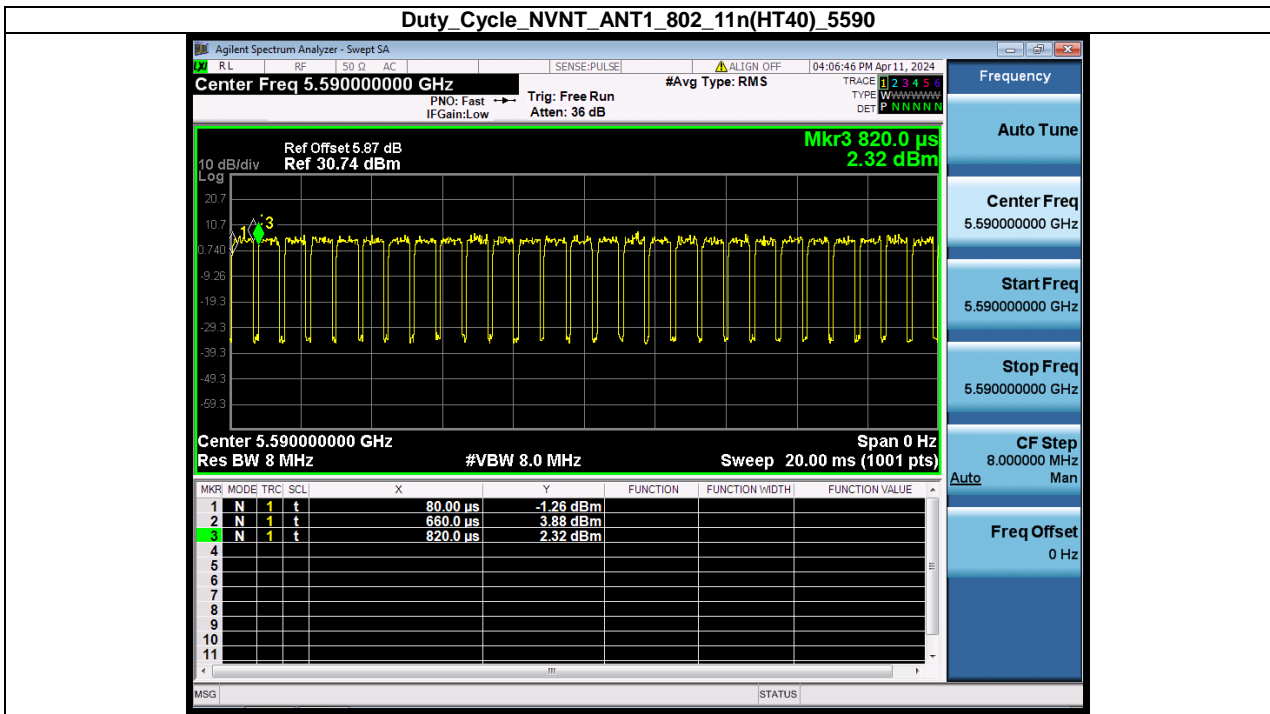
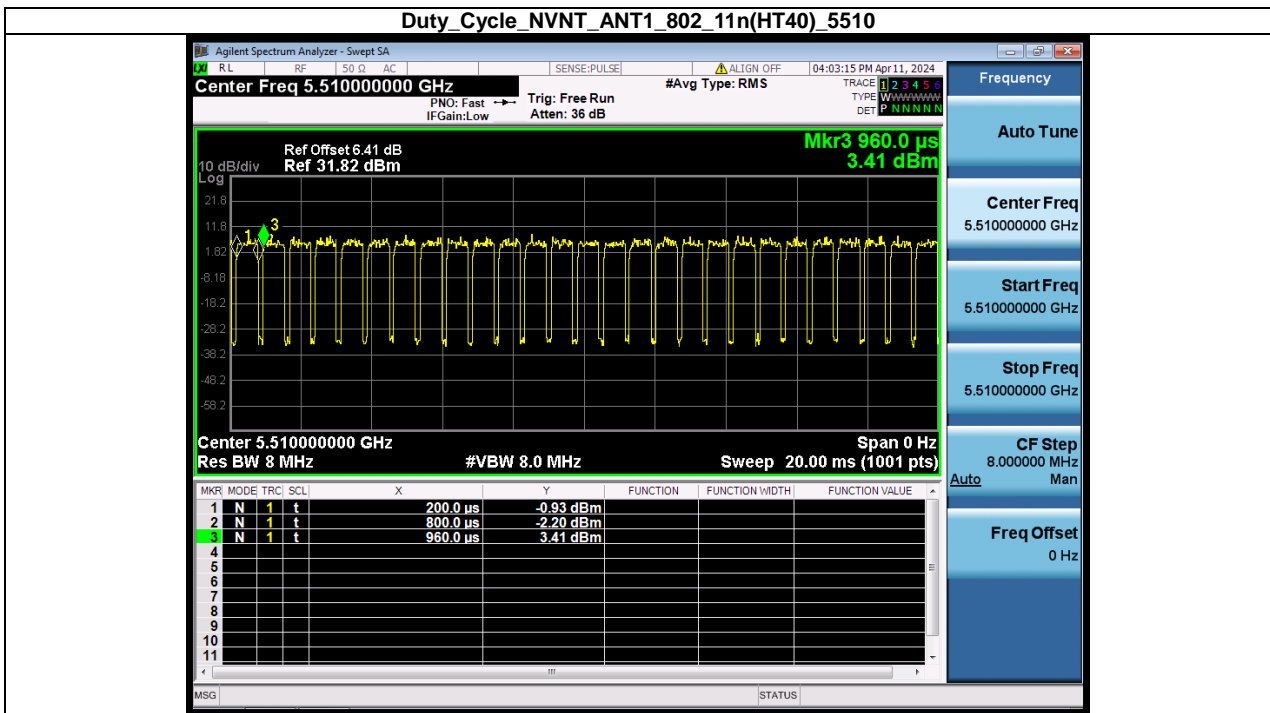
Duty Cycle NVNT_ANT1_802_11n(HT20)_5700



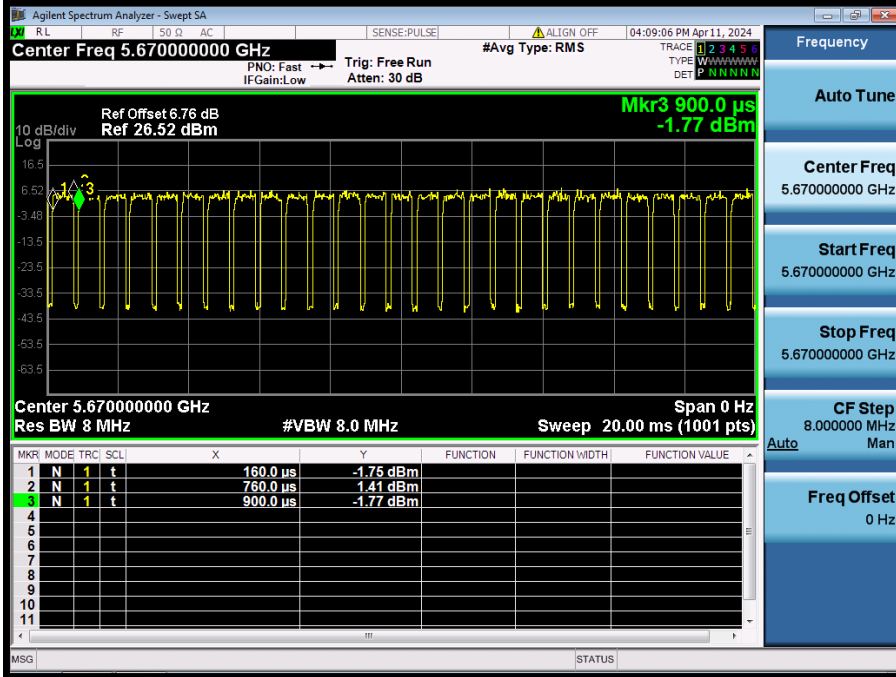
Duty Cycle NVNT_ANT1_802_11ac(VHT20)_5500



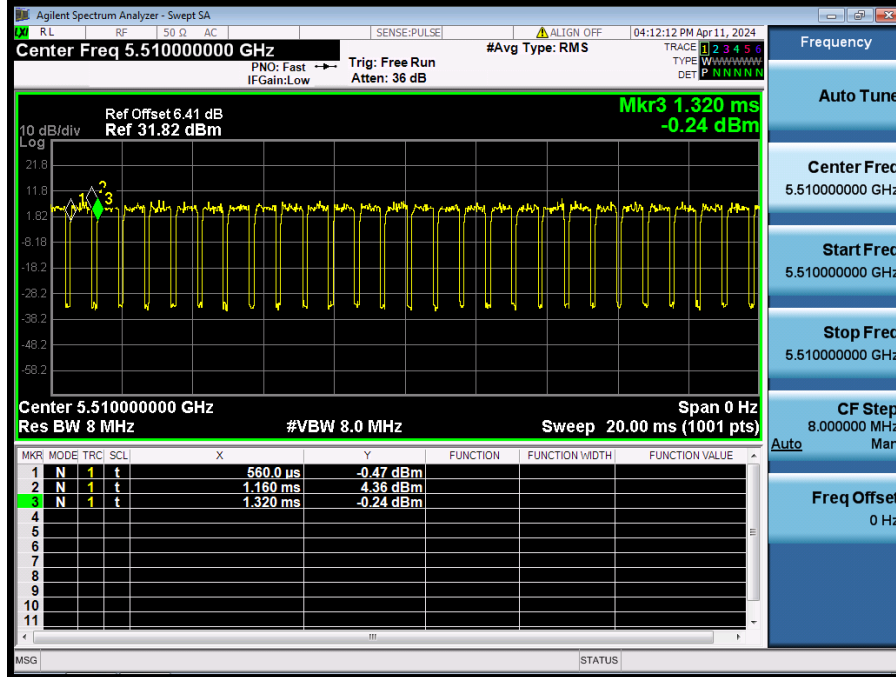


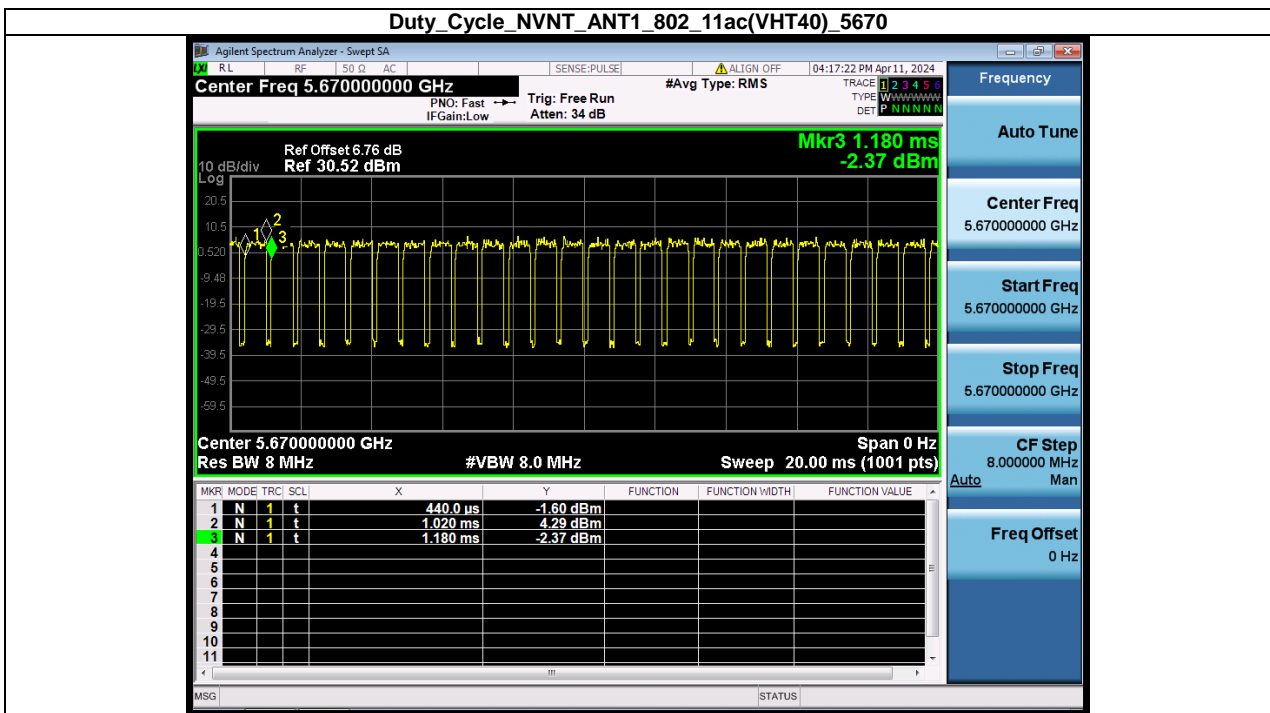
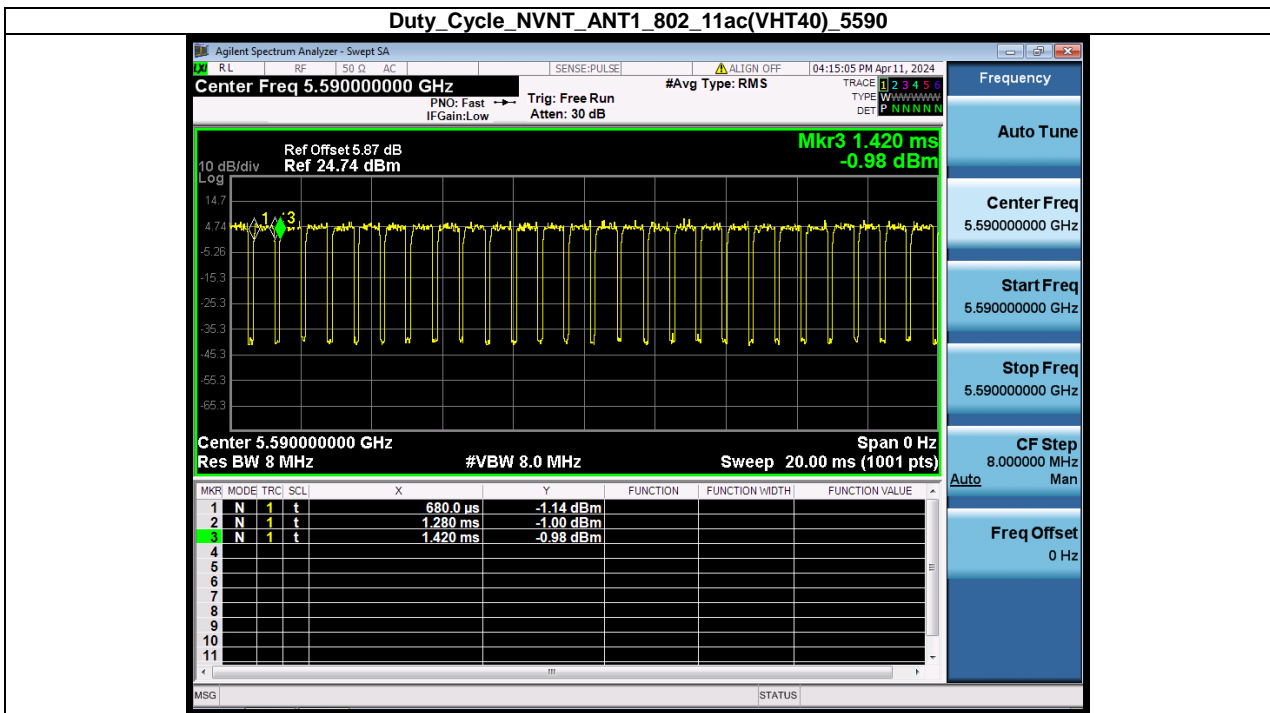


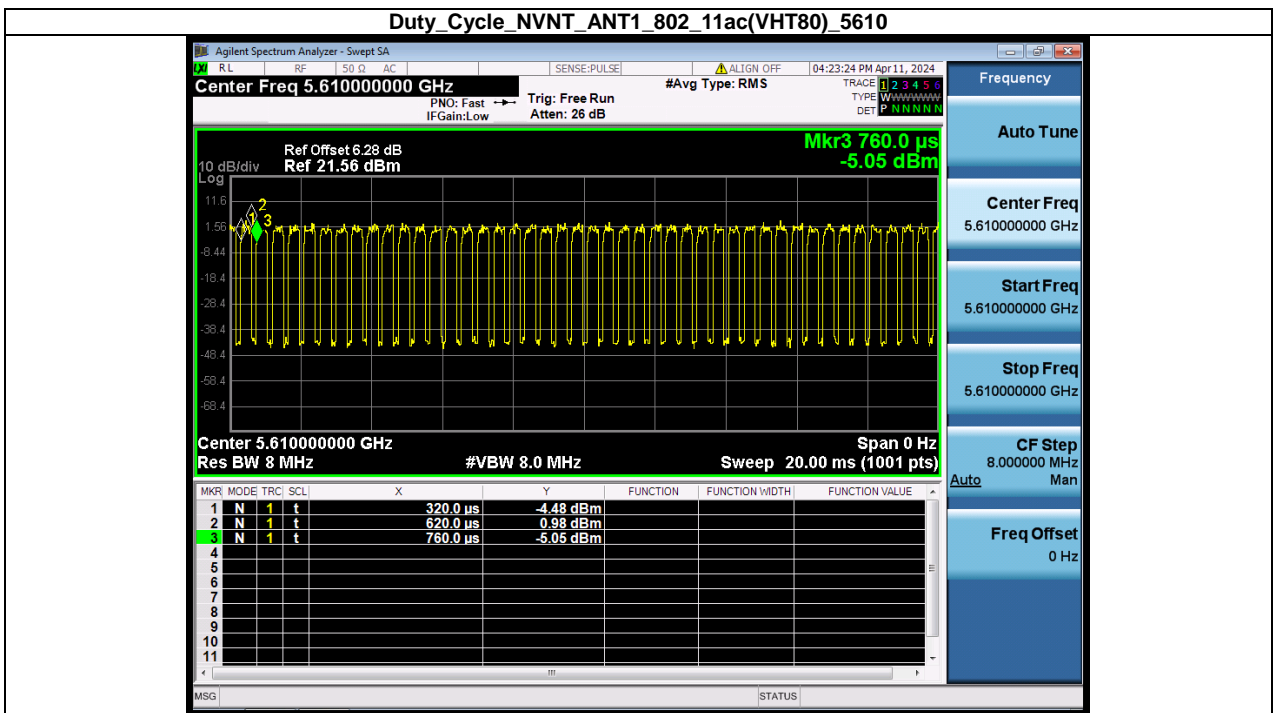
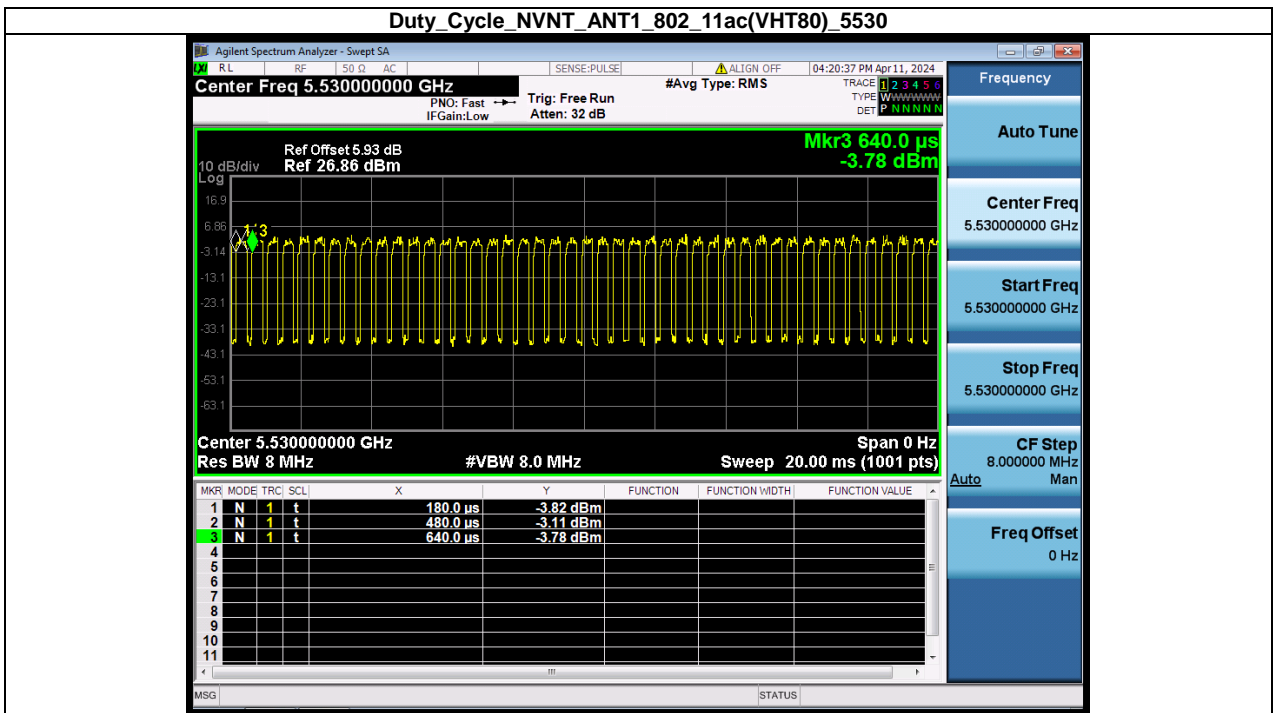
Duty Cycle NVNT_ANT1_802_11n(HT40)_5670



Duty Cycle NVNT_ANT1_802_11ac(VHT40)_5510



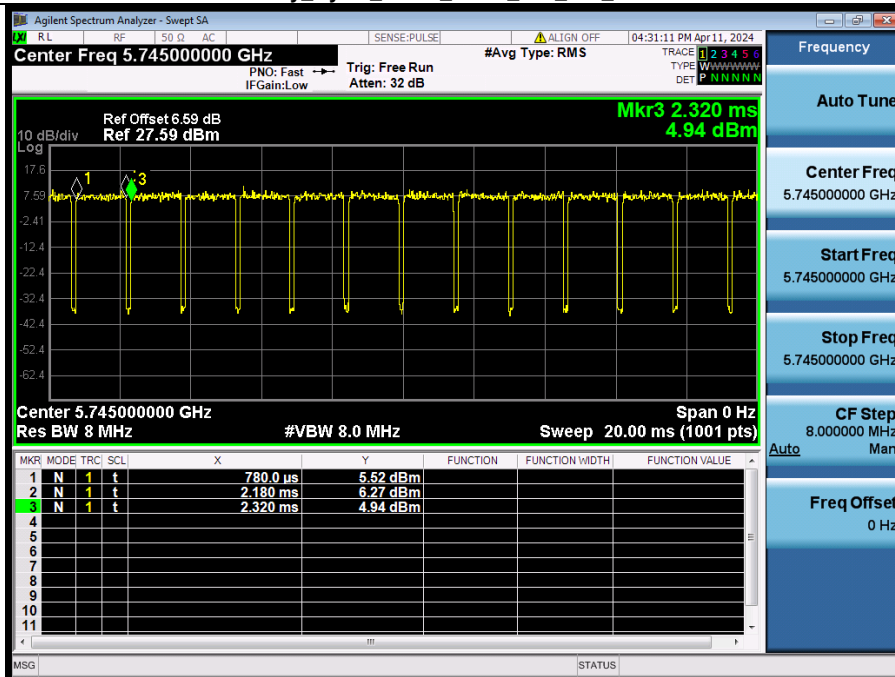




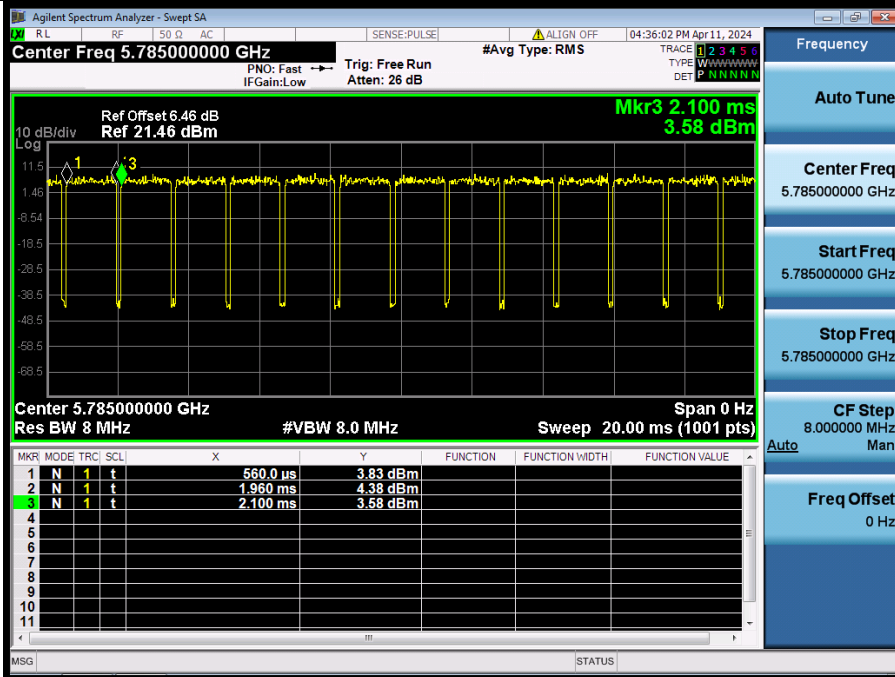
UNII-3

| Condition | Antenna | Modulation | Frequency (MHz) | Duty cycle(%) | Duty_factor |
|-----------|---------|-----------------|-----------------|---------------|-------------|
| NVNT | ANT1 | 802.11a | 5745.00 | 90.91 | 0.41 |
| NVNT | ANT1 | 802.11a | 5785.00 | 90.91 | 0.41 |
| NVNT | ANT1 | 802.11a | 5825.00 | 89.61 | 0.48 |
| NVNT | ANT1 | 802.11n(HT20) | 5745.00 | 89.39 | 0.49 |
| NVNT | ANT1 | 802.11n(HT20) | 5785.00 | 89.39 | 0.49 |
| NVNT | ANT1 | 802.11n(HT20) | 5825.00 | 87.88 | 0.56 |
| NVNT | ANT1 | 802.11ac(VHT20) | 5745.00 | 89.39 | 0.49 |
| NVNT | ANT1 | 802.11ac(VHT20) | 5785.00 | 88.06 | 0.55 |
| NVNT | ANT1 | 802.11ac(VHT20) | 5825.00 | 89.55 | 0.48 |
| NVNT | ANT1 | 802.11n(HT40) | 5755.00 | 81.08 | 0.91 |
| NVNT | ANT1 | 802.11n(HT40) | 5795.00 | 81.08 | 0.91 |
| NVNT | ANT1 | 802.11ac(VHT40) | 5755.00 | 81.08 | 0.91 |
| NVNT | ANT1 | 802.11ac(VHT40) | 5795.00 | 78.95 | 1.03 |
| NVNT | ANT1 | 802.11ac(VHT80) | 5775.00 | 68.18 | 1.66 |

Duty_Cycle_NVNT_ANT1_802_11a_5745



Duty_Cycle_NVNT_ANT1_802_11a_5785



Duty_Cycle_NVNT_ANT1_802_11a_5825

