



## FCC Test Report

**Report No.:** FVC-ESH-P20112379B-14

**FCC ID:** T2C-A20

**Product:** Video Conferencing Endpoint

**Model:** MeetingBar A20

**Received Date:** Dec.30, 2020

**Test Date:** Jan.02 to Jan.22, 2021

**Issued Date:** Jan.23, 2021

**Applicant:** YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD.

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**Manufacturer:** YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD.

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**Issued By:** BUREAU VERITAS ADT (Shanghai) Corporation

**Lab Address:** No. 829, Xinzhuang Road, Shanghai, P.R.China (201612)



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### Release Control Record

| Issue No.             | Description      | Date Issued  |
|-----------------------|------------------|--------------|
| FVC-ESH-P20112379B-14 | Original release | Jan.23, 2021 |



## 1 Certificate of Conformity

**Product:** Video Conferencing Endpoint

**Brand:** Yealink

**Model:** MeetingBar A20

**Applicant:** YEALINK(XIAMEN) NETWORK TECHNOLOGY CO.,LTD.

**Test Date:** Jan.02 to Jan.22, 2021

**Standards:** 47 CFR Part 15, Subpart E 15.407

The above equipment has been tested by **BUREAU VERITAS ADT (Shanghai) Corporation**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**Prepared by :**

*Yuan Zhang*

, **Date:**

Jan.23, 2021

Yuan ZHANG  
Project Engineer

**Approved by :**



, **Date:**

Jan.23, 2021

Daniel Sun  
EMC Lab Manager



## 2 Summary of Test Results

The EUT has been tested according to the following specifications:

| 47 CFR FCC Part 15, Subpart E (SECTION 15.407) |                                               |        |                                |
|------------------------------------------------|-----------------------------------------------|--------|--------------------------------|
| FCC Clause                                     | Test Item                                     | Result | Remarks                        |
| 15.203                                         | Antenna Requirement                           | PASS   | No antenna connector is used.  |
| 15.207                                         | AC Power Conducted Emission                   | PASS   | Meet the requirement of limit. |
| 15.407(a)                                      | 26dB Emission bandwidth                       | PASS   | Meet the requirement of limit. |
| 15.407(e)                                      | Minimum 6 dB bandwidth (5.725-5.85 GHz band ) | PASS   | Meet the requirement of limit. |
| 15.407(a)                                      | Maximum Conducted output power                | PASS   | Meet the requirement of limit. |
| 15.407(a)                                      | Peak Power spectrum density                   | PASS   | Meet the requirement of limit. |
| 15.205 /<br>15.209 /<br>15.407(b)              | Emissions in restricted frequency bands       | PASS   | Meet the requirement of limit. |
| 15.209 /<br>15.247(d)                          | Radiated Emissions Measurement                | PASS   | Meet the requirement of limit. |



## 2.1 Test Instruments

| Equipment                          | Manufacturer | Model No.       | Serial No. | Last Cal.   | Next Cal.   |
|------------------------------------|--------------|-----------------|------------|-------------|-------------|
| Hybrid Antenna(25MHz-1.5GHz)       | Schwarzbeck  | VULB9168        | E1A1012    | Jul.29, 20  | Jul.28, 22  |
| Horn Antenna(1GHz -18GHz)          | Schwarzbeck  | BBHA9120D       | E1A1017    | Aug.25, 20  | Aug.24, 22  |
| Double Ridge Horn Antenna(18G-40G) | COM-POWER    | AH-840          | E1A1040    | Jul.15, 20  | Jul.14, 22  |
| Pre-Amplifier(100kHz-1.3GHz)       | Agilent      | 8447D           | E1A2001    | Apr.20, 20  | Apr.19, 21  |
| Pre-Amplifier(0.5GHz-18GHz)        | EMCI         | EMC184045SE     | E1A2009    | Jul.06, 20  | Jul.05, 21  |
| Pre-Amplifier(18GHz-40GHz)         | EMCI         | EMC051845SE     | E1A2008    | Jul.06, 20  | Jul.05, 21  |
| EMI test receiver                  | R&S          | ESR7            | E1R1005    | Apr.20, 20  | Apr.19, 21  |
| Spectrum Analyzer                  | Keysight     | N9030B          | E1S1003    | Jul.23, 20  | Jul.22, 21  |
| Spectrum Analyzer                  | Keysight     | N9020A          | E1S1004    | Mar.03, 20  | Mar.02, 21  |
| EMI test receiver                  | R&S          | ESCS30          | E1R1001    | May.12, 20  | May.11, 21  |
| LISN                               | R&S          | ENV216          | E1L1011    | May.12, 20  | May.11, 21  |
| Humidity&Temp Tester               | Baolima      | WS508           | E1H1011    | Apr. 03, 20 | Apr. 02, 21 |
| RF Control Unit                    | Toscend      | JS0806-2        | E1C5003    | N/A         | N/A         |
| Test Software                      | ADT          | ADT_COND_V7.3.1 | N/A        | N/A         | N/A         |
| Test Software                      | Toscend      | JS32-RE         | N/A        | N/A         | N/A         |
| Test Software                      | Toscend      | JS1120          | N/A        | N/A         | N/A         |
| Test Software                      | Toscend      | JS1120-3        | N/A        | N/A         | N/A         |

## 2.2 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT:

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

| Measurement                        | Frequency      | Expanded Uncertainty<br>( $k=2$ ) ( $\pm$ ) |
|------------------------------------|----------------|---------------------------------------------|
| Conducted Emissions at mains ports | 150kHz ~ 30MHz | 1.83 dB                                     |
| Radiated Emissions up to 1 GHz     | 30MHz ~ 1GHz   | 5.36 dB                                     |
| Radiated Emissions above 1 GHz     | 1GHz ~ 6GHz    | 3.47 dB                                     |
|                                    | 6GHz ~ 18GHz   | 3.75 dB                                     |
|                                    | 18GHz ~ 40GHz  | 3.30 dB                                     |

## 2.3 Modification Record

There were no modifications required for compliance.

### 3 General Information

#### 3.1 General Description of EUT

|                       |                                                                                                                                           |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------|
| Product               | Video Conferencing Endpoint                                                                                                               |
| Brand                 | Yealink                                                                                                                                   |
| Test Model            | MeetingBar A20                                                                                                                            |
| Power Rating          | I/P: 48V ===, 0.7A for Video Conferencing Endpoint;<br>I/P: 100-240Vac, 50/60Hz, 1.0A; O/P: 48V ===, 0.7A for AC Adapter.                 |
| Modulation Type       | OFDM                                                                                                                                      |
| Modulation Technology | 802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK)<br>802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)<br>802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) |
| Operating Frequency   | 5150 ~ 5250MHz, 5250 ~ 5350MHz,<br>5470 ~ 5725MHz, 5745 ~ 5850MHz                                                                         |
| Number of Channel     | See clause 3.2                                                                                                                            |
| Output Power          | 17.24dBm                                                                                                                                  |
| Antenna Type          | PCB Antenna                                                                                                                               |
| Antenna Connector     | --                                                                                                                                        |
| Antenna Gain          | Ant1:3dBi<br>Ant2:3dBi<br>MIMO Gain:6.01dBi                                                                                               |

Note: For more details, please refer to the User's manual of the EUT.

**Special comments:** None.

| Modulation Mode    | TX /RX Function |
|--------------------|-----------------|
| 802.11a            | 2TX / 2RX       |
| 802.11n/ac (20MHz) | 2TX / 2RX       |
| 802.11n/ac (40MHz) | 2TX / 2RX       |
| 802.11ac (80MHz)   | 2TX / 2RX       |

### 3.2 Description of Test Modes

#### FOR 5150 ~ 5250MHz

4 channels are provided for 802.11a, 802.11n (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 36      | 5180 MHz  | 44      | 5220 MHz  |
| 40      | 5200 MHz  | 48      | 5240 MHz  |

2 channels are provided for 802.11n (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 38      | 5190 MHz  | 46      | 5230 MHz  |

1 channel is provided for 802.11ac (80MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 42      | 5210 MHz  |         |           |

#### FOR 5250 ~ 5350MHz

4 channels are provided for 802.11a, 802.11n (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 52      | 5260 MHz  | 60      | 5300 MHz  |
| 56      | 5280 MHz  | 64      | 5320 MHz  |

2 channels are provided for 802.11n (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 54      | 5270 MHz  | 62      | 5310 MHz  |

1 channel is provided for 802.11ac (80MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 58      | 5290 MHz  |         |           |

#### FOR 5470 ~ 5725MHz

11 channels are provided for 802.11a, 802.11n (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 100     | 5500 MHz  | 124     | 5620 MHz  |
| 104     | 5520 MHz  | 128     | 5640 MHz  |
| 108     | 5540 MHz  | 132     | 5660 MHz  |
| 112     | 5560 MHz  | 136     | 5680 MHz  |
| 116     | 5580 MHz  | 140     | 5700 MHz  |
| 120     | 5600 MHz  |         |           |

5 channels are provided for 802.11n (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 102     | 5510 MHz  | 126     | 5630 MHz  |
| 110     | 5550 MHz  | 134     | 5670 MHz  |
| 118     | 5590 MHz  |         |           |

2 channel is provided for 802.11ac (80MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 106     | 5530 MHz  | 122     | 5610 MHz  |

#### FOR 5725 ~ 5850MHz

4 channels are provided for 802.11a, 802.11n (20MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 153     | 5765 MHz  | 157     | 5785 MHz  |
| 149     | 5745 MHz  | 161     | 5805 MHz  |

2 channels are provided for 802.11n (40MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 151     | 5755 MHz  | 159     | 5795 MHz  |

1 channel is provided for 802.11ac (80MHz):

| CHANNEL | FREQUENCY | CHANNEL | FREQUENCY |
|---------|-----------|---------|-----------|
| 155     | 5775 MHz  |         |           |



### 3.2.1 Test Mode Applicability:

| EUT Configure Mode | Applicable to |         |     |      | Description |
|--------------------|---------------|---------|-----|------|-------------|
|                    | RE $\geq$ 1G  | RE < 1G | PLC | APCM |             |
| -                  | √             | √       | √   | √    | -           |

Where **RE $\geq$ 1G**: Radiated Emission above 1GHz

**RE $\leq$ 1G**: Radiated Emission below 1GHz

**PLC**: Power Line Conducted Emission

**APCM**: Antenna Port Conducted Measurement

### Radiated Emission Test (Above 1 GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ 802.11n mode EIRP power is greater than 802.11ac, so test 11a mode and 11an mode.
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE             | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|--------------------|------------------|------------------|-------------------|----------------|------------|------------------|
| -                  | 802.11a          | 5150-5250        | 36 to 48          | 36, 44, 48     | OFDM       | 6.0              |
| -                  | 802.11n (20MHz)  |                  | 36 to 48          | 36, 44, 48     | OFDM       | MCS0             |
| -                  | 802.11n (40MHz)  |                  | 38 to 46          | 38, 46         | OFDM       | MCS0             |
| -                  | 802.11ac (80MHz) |                  | 42                | 42             | OFDM       | MCS0             |
| -                  | 802.11a          | 5250-5350        | 52 to 64          | 52, 56, 64     | OFDM       | 6.0              |
| -                  | 802.11n (20MHz)  |                  | 52 to 64          | 52, 56, 64     | OFDM       | MCS0             |
| -                  | 802.11n (40MHz)  |                  | 54 to 62          | 54, 62         | OFDM       | MCS0             |
| -                  | 802.11ac (80MHz) |                  | 58                | 58             | OFDM       | MCS0             |
| -                  | 802.11a          | 5470-5725        | 100 to 144        | 100, 120, 140  | OFDM       | 6.0              |
| -                  | 802.11n (20MHz)  |                  | 100 to 140        | 100, 120, 140  | OFDM       | MCS0             |
| -                  | 802.11n (40MHz)  |                  | 102 to 134        | 102, 118, 134  | OFDM       | MCS0             |
| -                  | 802.11ac (80MHz) |                  | 106               | 106,122        | OFDM       | MCS0             |
| -                  | 802.11a          | 5725-5850        | 149 to 161        | 149, 157, 165  | OFDM       | 6.0              |
| -                  | 802.11n (20MHz)  |                  | 149 to 161        | 149, 157, 165  | OFDM       | MCS0             |
| -                  | 802.11n (40MHz)  |                  | 151 to 159        | 151, 159       | OFDM       | MCS0             |
| -                  | 802.11ac (80MHz) |                  | 155               | 155            | OFDM       | MCS0             |

#### **Radiated Emission Test (Below 1 GHz):**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT<br>CONFIGURE<br>MODE | MODE    | AVAILABLE<br>CHANNEL | TESTED<br>CHANNEL | MODULATION<br>TECHNOLOGY | MODULATION<br>TYPE | DATA RATE<br>(Mbps) |
|--------------------------|---------|----------------------|-------------------|--------------------------|--------------------|---------------------|
| -                        | 802.11a | 36 to 48             | 36                | OFDM                     | DBPSK              | 6.0                 |

#### **Power Line Conducted Emission Test:**

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT<br>CONFIGURE<br>MODE | MODE    | AVAILABLE<br>CHANNEL | TESTED<br>CHANNEL | MODULATION<br>TECHNOLOGY | MODULATION<br>TYPE | DATA RATE<br>(Mbps) |
|--------------------------|---------|----------------------|-------------------|--------------------------|--------------------|---------------------|
| -                        | 802.11a | 36 to 48             | 36                | OFDM                     | DBPSK              | 6.0                 |

### Antenna Port Conducted Measurement

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

| EUT CONFIGURE MODE | MODE               | FREQ. BAND (MHz) | AVAILABLE CHANNEL | TESTED CHANNEL | MODULATION | DATA RATE (Mbps) |
|--------------------|--------------------|------------------|-------------------|----------------|------------|------------------|
| -                  | 802.11a            | 5150-5250        | 36 to 48          | 36, 44, 48     | OFDM       | 6.0              |
| -                  | 802.11n/ac (20MHz) |                  | 36 to 48          | 36, 44, 48     | OFDM       | MCS0             |
| -                  | 802.11n/ac (40MHz) |                  | 38 to 46          | 38, 46         | OFDM       | MCS0             |
| -                  | 802.11ac (80MHz)   |                  | 42                | 42             | OFDM       | MCS0             |
| -                  | 802.11a            | 5250-5350        | 52 to 64          | 52, 56, 64     | OFDM       | 6.0              |
| -                  | 802.11n/ac (20MHz) |                  | 52 to 64          | 52, 56, 64     | OFDM       | MCS0             |
| -                  | 802.11n/ac (40MHz) |                  | 54 to 62          | 54, 62         | OFDM       | MCS0             |
| -                  | 802.11ac (80MHz)   |                  | 58                | 58             | OFDM       | MCS0             |
| -                  | 802.11a            | 5470-5725        | 100 to 144        | 100, 120, 140  | OFDM       | 6.0              |
| -                  | 802.11n/ac (20MHz) |                  | 100 to 140        | 100, 120, 140  | OFDM       | MCS0             |
| -                  | 802.11n/ac (40MHz) |                  | 102 to 134        | 102, 118, 134  | OFDM       | MCS0             |
| -                  | 802.11ac (80MHz)   |                  | 106               | 106,22         | OFDM       | MCS0             |
| -                  | 802.11a            | 5725-5850        | 149 to 161        | 149, 157, 161  | OFDM       | 6.0              |
| -                  | 802.11n/ac (20MHz) |                  | 149 to 161        | 149, 157, 161  | OFDM       | MCS0             |
| -                  | 802.11n/ac (40MHz) |                  | 151 to 159        | 151, 159       | OFDM       | MCS0             |
| -                  | 802.11ac (80MHz)   |                  | 155               | 155            | OFDM       | MCS0             |

### 3.2.2 Test Condition:

| Applicable to | Normal Environmental Conditions | Normal Input Power |
|---------------|---------------------------------|--------------------|
| RE ≥ 1G       | 25deg. C, 60%RH                 | 120Vac, 60Hz       |
| RE < 1G       | 25deg. C, 60%RH                 | 120Vac, 60Hz       |
| PLC           | 25deg. C, 60%RH                 | 120Vac, 60Hz       |
| APCM          | 25deg. C, 60%RH                 | 120Vac, 60Hz       |

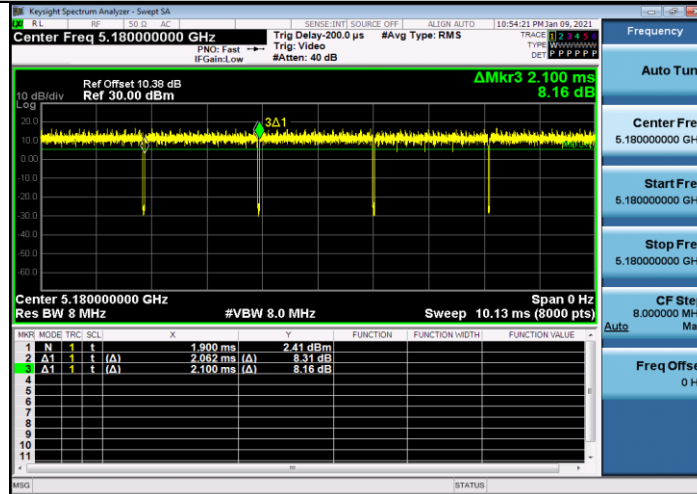
### 3.3 Duty Cycle of Test Signal

| Test Mode | Antenna | Channel [MHz] | Duty Cycle [%] | 10log(1/x) Factor[dB] |
|-----------|---------|---------------|----------------|-----------------------|
| 11A       | Ant1    | 5180          | 98.10          | 0.08                  |
|           | Ant2    | 5180          | 98.10          | 0.08                  |
|           | Ant1    | 5220          | 98.10          | 0.08                  |
|           | Ant2    | 5220          | 98.10          | 0.08                  |
|           | Ant1    | 5240          | 98.10          | 0.08                  |
|           | Ant2    | 5240          | 98.10          | 0.08                  |
|           | Ant1    | 5260          | 98.10          | 0.08                  |
|           | Ant2    | 5260          | 98.10          | 0.08                  |
|           | Ant1    | 5280          | 98.10          | 0.08                  |
|           | Ant2    | 5280          | 98.10          | 0.08                  |
|           | Ant1    | 5320          | 98.10          | 0.08                  |
|           | Ant2    | 5320          | 98.10          | 0.08                  |
|           | Ant1    | 5500          | 98.10          | 0.08                  |
|           | Ant2    | 5500          | 98.10          | 0.08                  |
|           | Ant1    | 5600          | 98.10          | 0.08                  |
|           | Ant2    | 5600          | 98.10          | 0.08                  |
|           | Ant1    | 5700          | 98.10          | 0.08                  |
|           | Ant2    | 5700          | 98.10          | 0.08                  |
|           | Ant1    | 5745          | 98.10          | 0.08                  |
|           | Ant2    | 5745          | 98.10          | 0.08                  |
|           | Ant1    | 5785          | 98.10          | 0.08                  |
|           | Ant2    | 5785          | 98.10          | 0.08                  |
|           | Ant1    | 5825          | 98.10          | 0.08                  |
|           | Ant2    | 5825          | 98.10          | 0.08                  |
| 11N20MIMO | Ant1    | 5180          | 97.96          | 0.09                  |
|           | Ant2    | 5180          | 97.96          | 0.09                  |
|           | Ant1    | 5220          | 97.96          | 0.09                  |
|           | Ant2    | 5220          | 97.96          | 0.09                  |
|           | Ant1    | 5240          | 97.96          | 0.09                  |
|           | Ant2    | 5240          | 97.96          | 0.09                  |
|           | Ant1    | 5260          | 97.96          | 0.09                  |
|           | Ant2    | 5260          | 97.96          | 0.09                  |
|           | Ant1    | 5280          | 97.96          | 0.09                  |
|           | Ant2    | 5280          | 97.96          | 0.09                  |
|           | Ant1    | 5320          | 97.96          | 0.09                  |
|           | Ant2    | 5320          | 97.96          | 0.09                  |
|           | Ant1    | 5500          | 97.96          | 0.09                  |
|           | Ant2    | 5500          | 97.96          | 0.09                  |
|           | Ant1    | 5600          | 97.96          | 0.09                  |
|           | Ant2    | 5600          | 97.96          | 0.09                  |
|           | Ant1    | 5700          | 97.96          | 0.09                  |

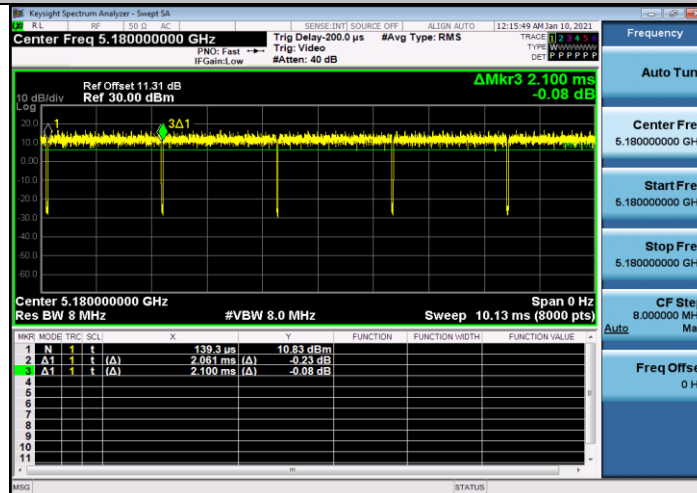
|            |      |      |       |      |
|------------|------|------|-------|------|
|            | Ant2 | 5700 | 97.96 | 0.09 |
|            | Ant1 | 5745 | 97.96 | 0.09 |
|            | Ant2 | 5745 | 97.96 | 0.09 |
|            | Ant1 | 5785 | 97.96 | 0.09 |
|            | Ant2 | 5785 | 97.96 | 0.09 |
|            | Ant1 | 5825 | 97.96 | 0.09 |
|            | Ant2 | 5825 | 97.96 | 0.09 |
| 11N40MIMO  | Ant1 | 5190 | 96.94 | 0.13 |
|            | Ant2 | 5190 | 96.94 | 0.13 |
|            | Ant1 | 5230 | 96.94 | 0.13 |
|            | Ant2 | 5230 | 96.94 | 0.13 |
|            | Ant1 | 5270 | 96.94 | 0.13 |
|            | Ant2 | 5270 | 96.94 | 0.13 |
|            | Ant1 | 5310 | 96.94 | 0.13 |
|            | Ant2 | 5310 | 95.92 | 0.18 |
|            | Ant1 | 5510 | 96.94 | 0.13 |
|            | Ant2 | 5510 | 96.94 | 0.13 |
|            | Ant1 | 5590 | 96.94 | 0.13 |
|            | Ant2 | 5590 | 95.92 | 0.18 |
|            | Ant1 | 5670 | 96.94 | 0.13 |
|            | Ant2 | 5670 | 96.94 | 0.13 |
|            | Ant1 | 5755 | 96.94 | 0.13 |
|            | Ant2 | 5755 | 96.94 | 0.13 |
|            | Ant1 | 5795 | 96.94 | 0.13 |
|            | Ant2 | 5795 | 96.94 | 0.13 |
| 11AC20MIMO | Ant1 | 5180 | 97.97 | 0.09 |
|            | Ant2 | 5180 | 97.97 | 0.09 |
|            | Ant1 | 5220 | 97.97 | 0.09 |
|            | Ant2 | 5220 | 97.97 | 0.09 |
|            | Ant1 | 5240 | 97.97 | 0.09 |
|            | Ant2 | 5240 | 97.97 | 0.09 |
|            | Ant1 | 5260 | 97.97 | 0.09 |
|            | Ant2 | 5260 | 97.97 | 0.09 |
|            | Ant1 | 5280 | 97.97 | 0.09 |
|            | Ant2 | 5280 | 97.97 | 0.09 |
|            | Ant1 | 5320 | 97.97 | 0.09 |
|            | Ant2 | 5320 | 97.97 | 0.09 |
|            | Ant1 | 5500 | 97.97 | 0.09 |
|            | Ant2 | 5500 | 97.97 | 0.09 |
|            | Ant1 | 5600 | 97.97 | 0.09 |
|            | Ant2 | 5600 | 97.97 | 0.09 |
|            | Ant1 | 5700 | 97.97 | 0.09 |
|            | Ant2 | 5700 | 97.97 | 0.09 |
|            | Ant1 | 5745 | 97.97 | 0.09 |
|            | Ant2 | 5745 | 97.97 | 0.09 |

|            |      |      |       |      |
|------------|------|------|-------|------|
|            | Ant1 | 5785 | 97.97 | 0.09 |
|            | Ant2 | 5785 | 97.97 | 0.09 |
|            | Ant1 | 5825 | 97.97 | 0.09 |
|            | Ant2 | 5825 | 97.97 | 0.09 |
| 11AC40MIMO | Ant1 | 5190 | 95.96 | 0.18 |
|            | Ant2 | 5190 | 95.96 | 0.18 |
|            | Ant1 | 5230 | 95.96 | 0.18 |
|            | Ant2 | 5230 | 95.96 | 0.18 |
|            | Ant1 | 5270 | 95.96 | 0.18 |
|            | Ant2 | 5270 | 95.96 | 0.18 |
|            | Ant1 | 5310 | 95.96 | 0.18 |
|            | Ant2 | 5310 | 95.96 | 0.18 |
|            | Ant1 | 5510 | 95.96 | 0.18 |
|            | Ant2 | 5510 | 95.96 | 0.18 |
|            | Ant1 | 5590 | 95.96 | 0.18 |
|            | Ant2 | 5590 | 95.96 | 0.18 |
|            | Ant1 | 5670 | 95.96 | 0.18 |
|            | Ant2 | 5670 | 95.96 | 0.18 |
|            | Ant1 | 5755 | 95.96 | 0.18 |
|            | Ant2 | 5755 | 95.96 | 0.18 |
|            | Ant1 | 5795 | 95.96 | 0.18 |
|            | Ant2 | 5795 | 95.96 | 0.18 |
| 11AC80MIMO | Ant1 | 5210 | 92.00 | 0.36 |
|            | Ant2 | 5210 | 92.00 | 0.36 |
|            | Ant1 | 5290 | 92.00 | 0.36 |
|            | Ant2 | 5290 | 92.00 | 0.36 |
|            | Ant1 | 5530 | 92.00 | 0.36 |
|            | Ant2 | 5530 | 92.00 | 0.36 |
|            | Ant1 | 5610 | 92.00 | 0.36 |
|            | Ant2 | 5610 | 92.00 | 0.36 |
|            | Ant1 | 5775 | 92.00 | 0.36 |
|            | Ant2 | 5775 | 92.00 | 0.36 |

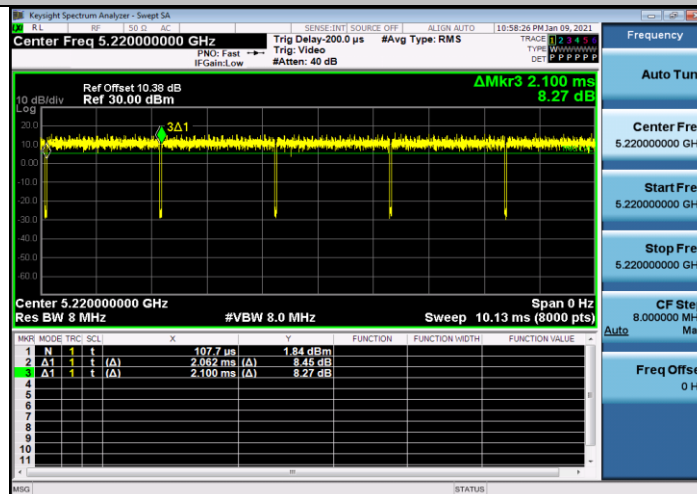
### 11A\_Ant1\_5180



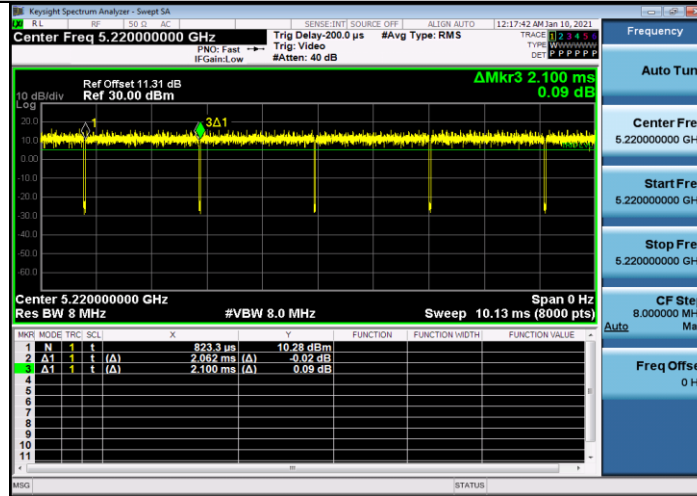
### 11A\_Ant2\_5180



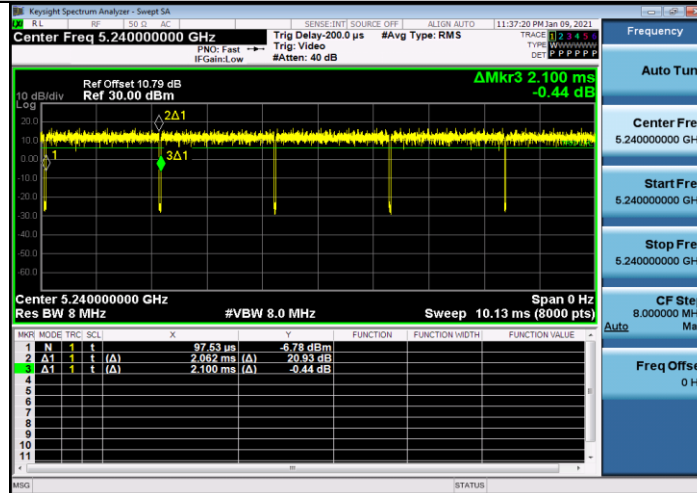
### 11A\_Ant1\_5220



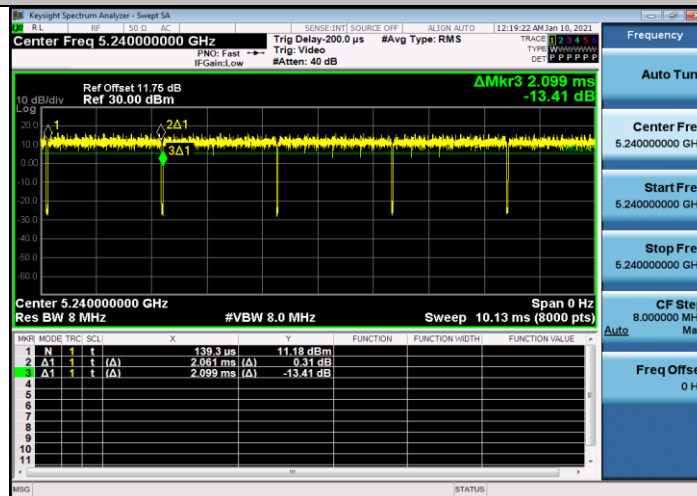
### 11A\_Ant2\_5220



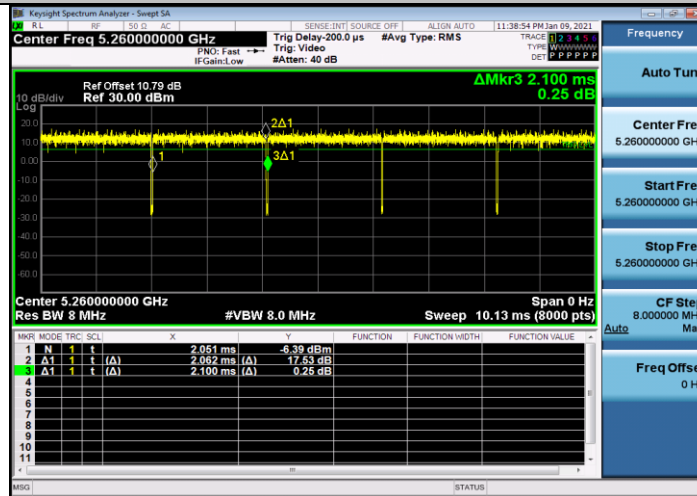
### 11A\_Ant1\_5240



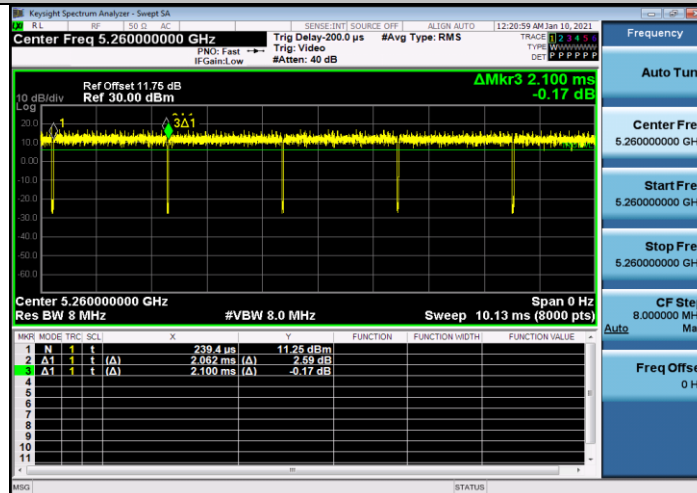
### 11A\_Ant2\_5240



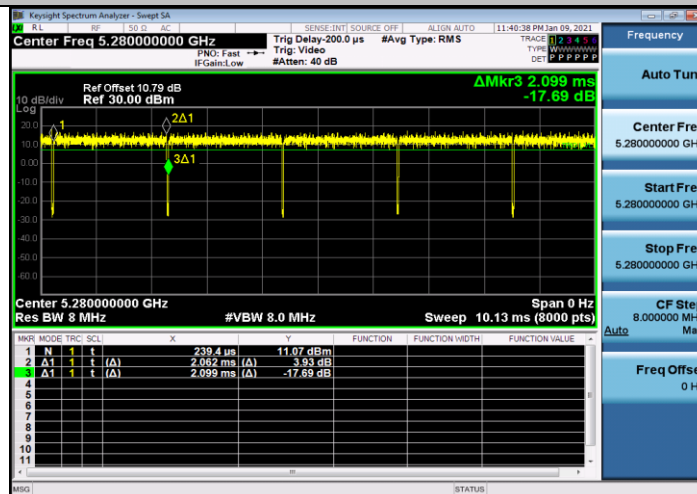
## 11A\_Ant1\_5260



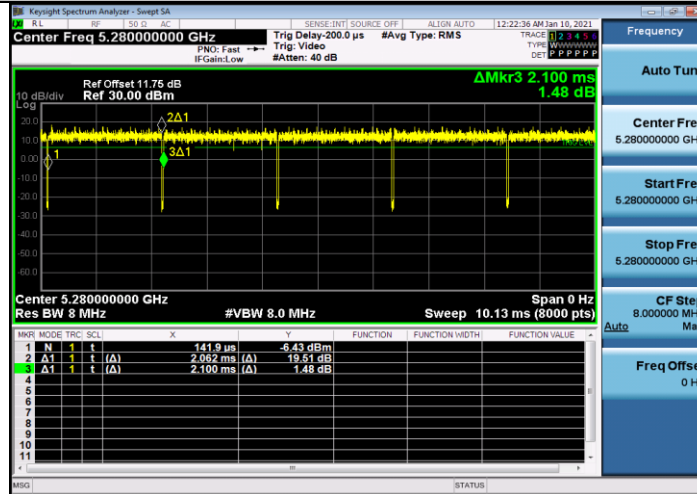
## 11A\_Ant2\_5260



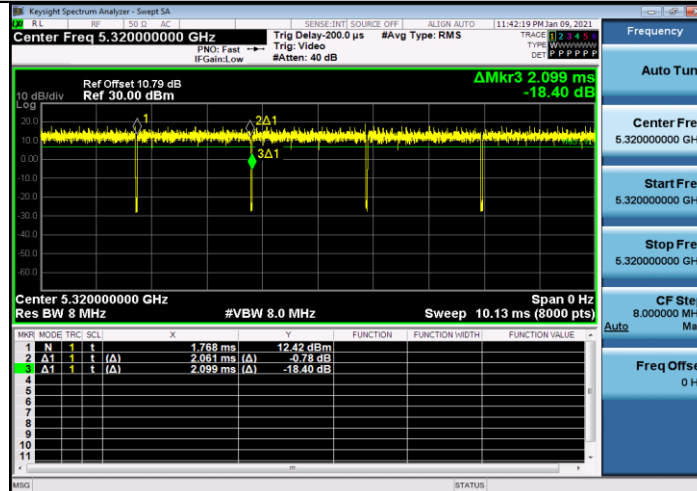
## 11A\_Ant1\_5280



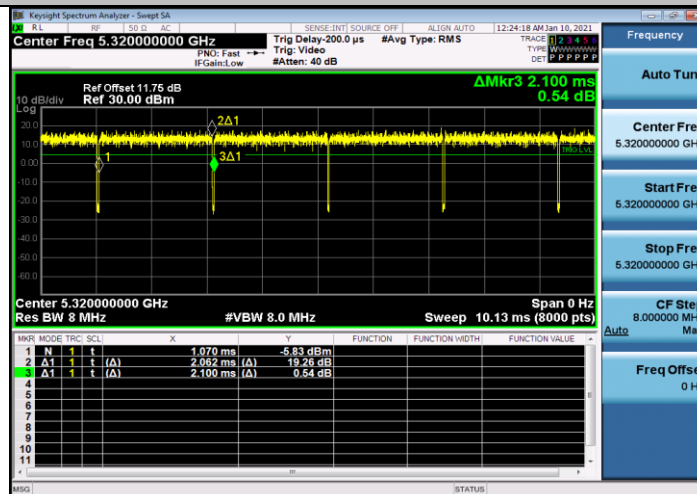
### 11A\_Ant2\_5280



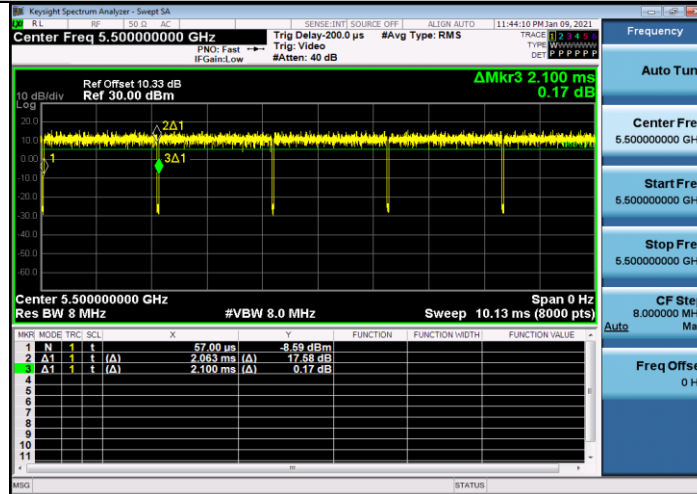
### 11A\_Ant1\_5320



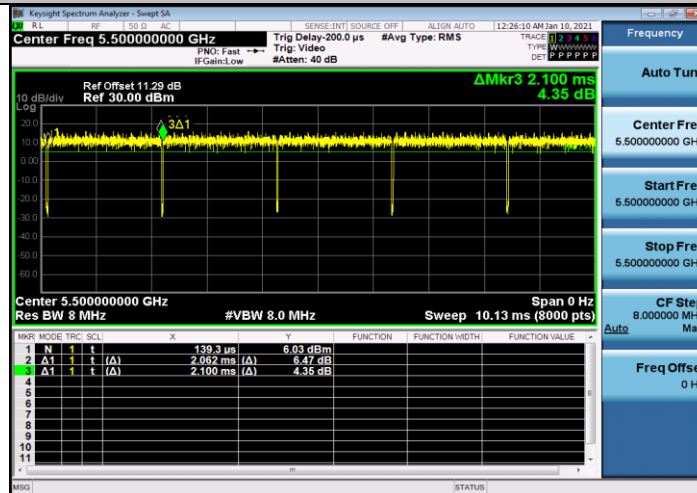
### 11A\_Ant2\_5320



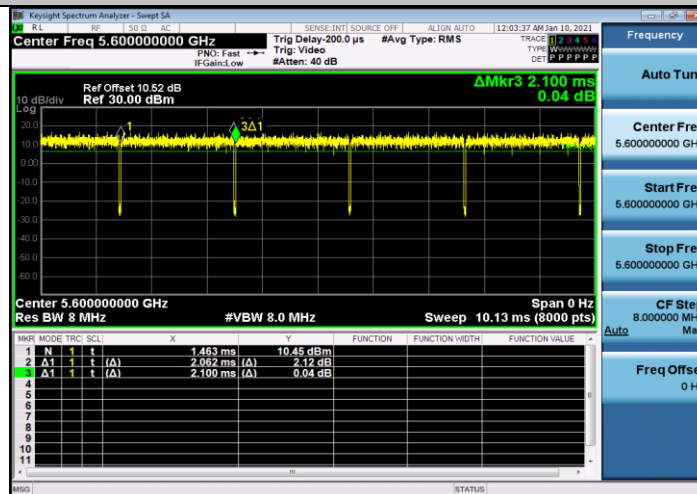
### 11A\_Ant1\_5500



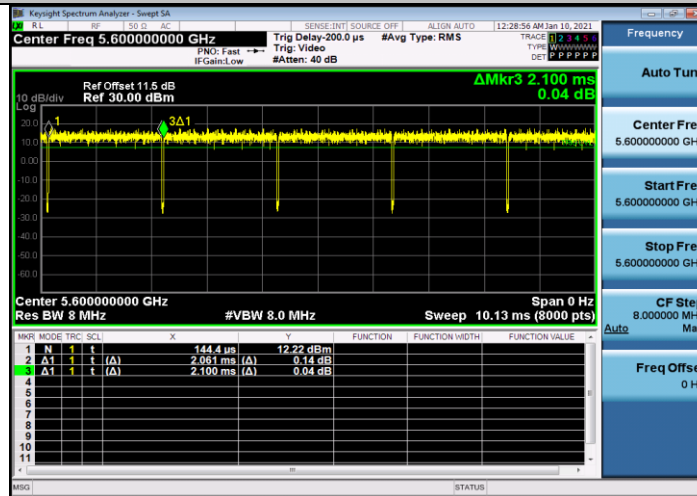
### 11A\_Ant2\_5500



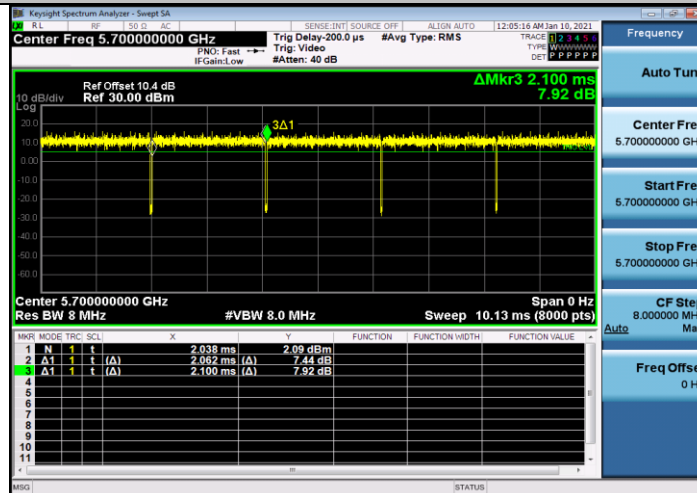
### 11A\_Ant1\_5600



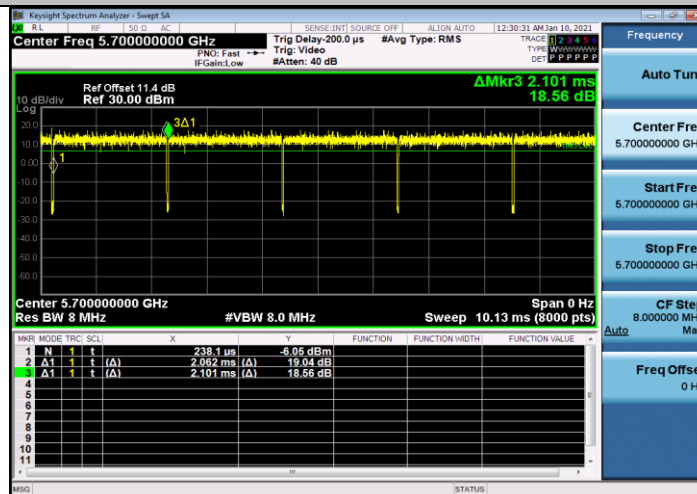
### 11A\_Ant2\_5600



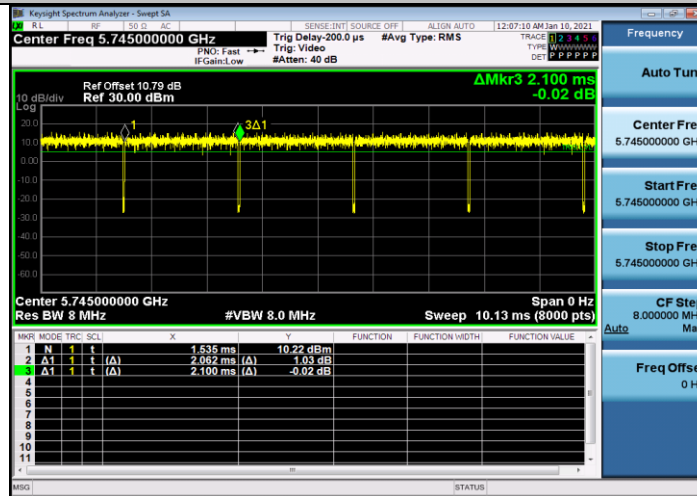
### 11A\_Ant1\_5700



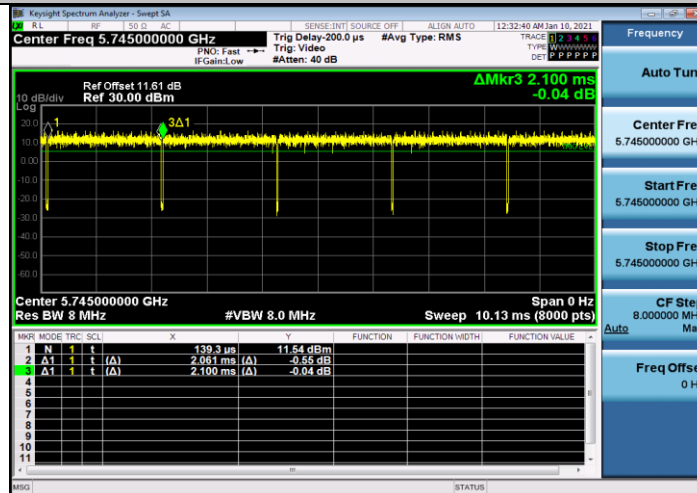
### 11A\_Ant2\_5700



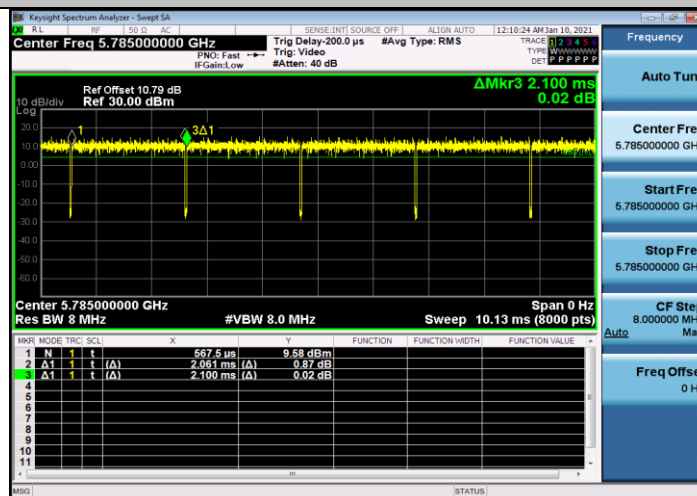
### 11A\_Ant1\_5745



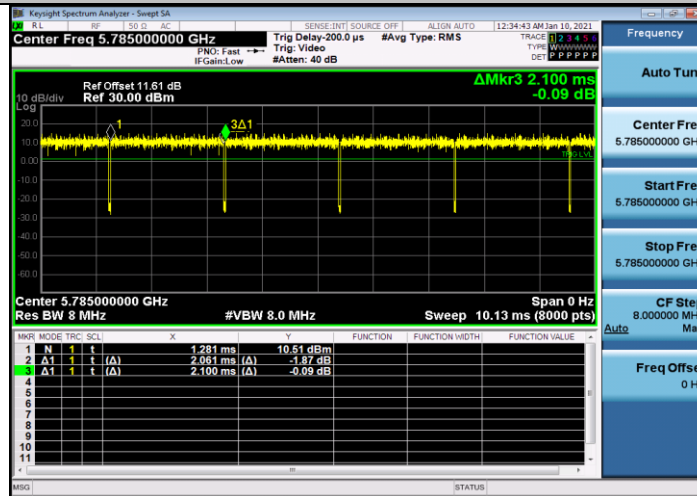
### 11A\_Ant2\_5745



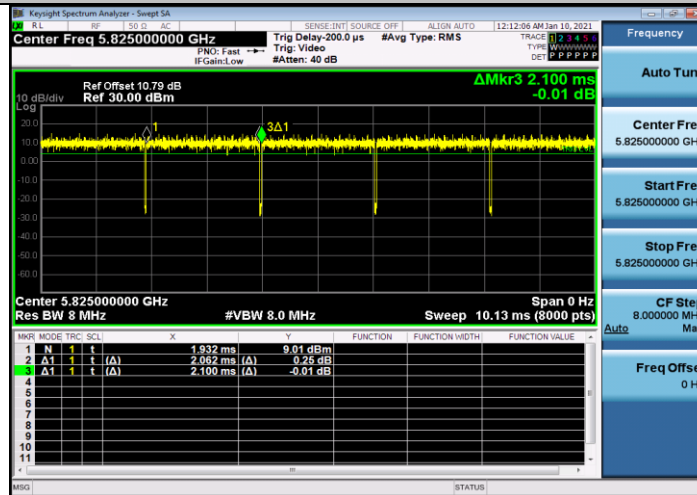
### 11A\_Ant1\_5785



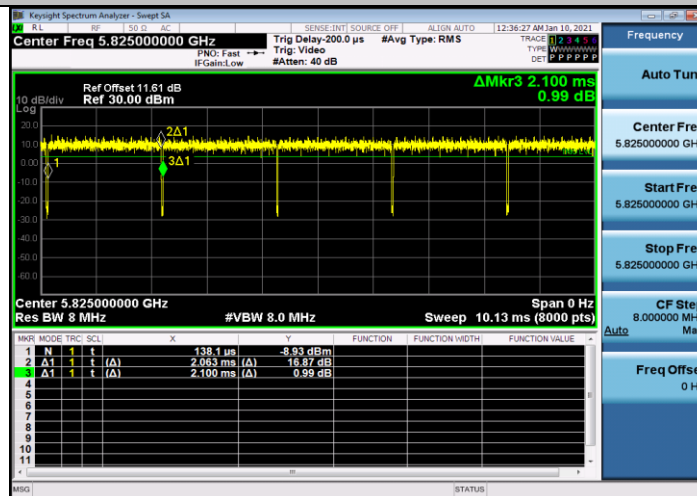
### 11A\_Ant2\_5785



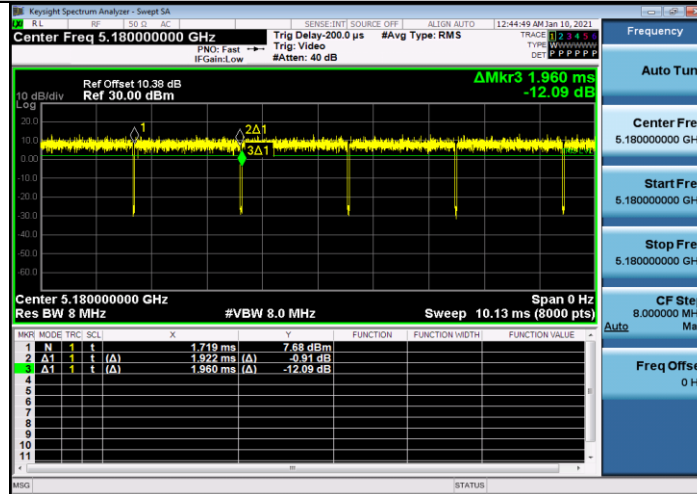
### 11A\_Ant1\_5825



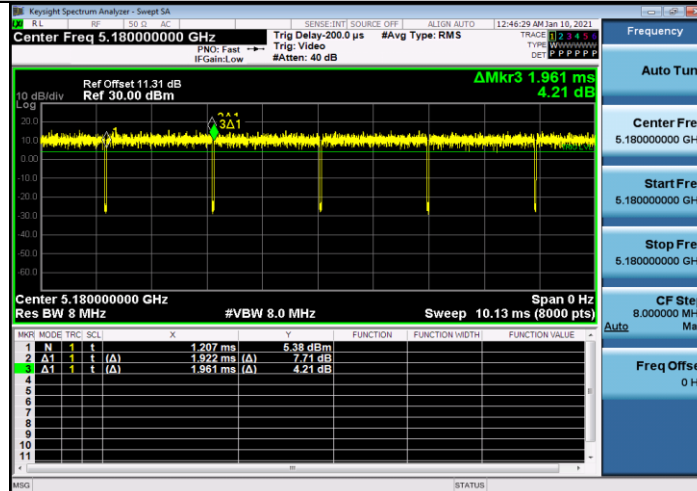
### 11A\_Ant2\_5825



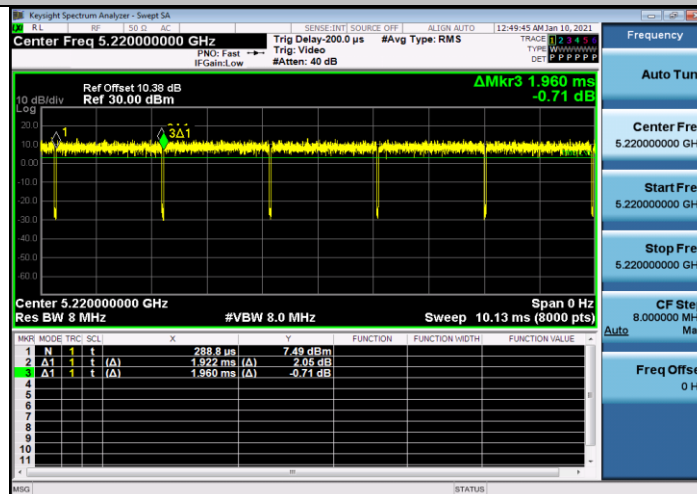
## 11N20MIMO\_Ant1\_5180



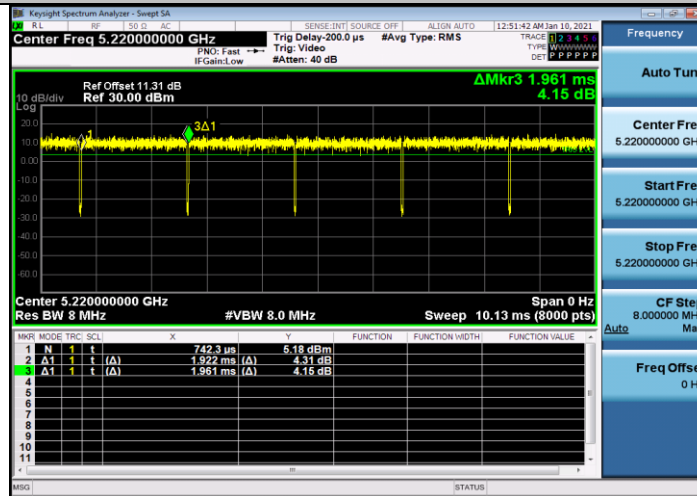
## 11N20MIMO\_Ant2\_5180



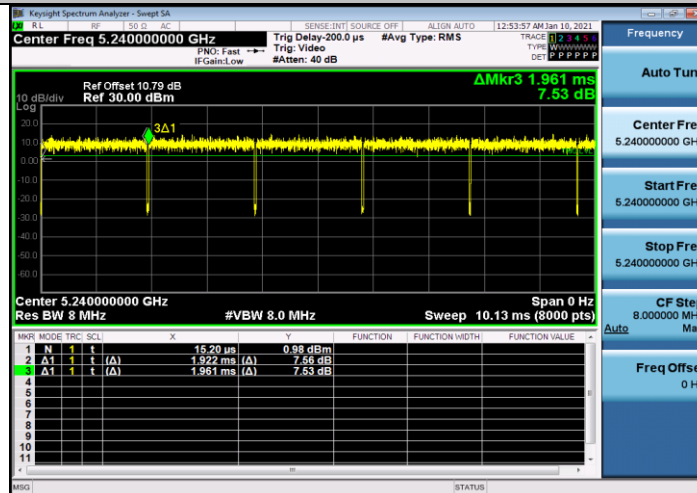
## 11N20MIMO\_Ant1\_5220



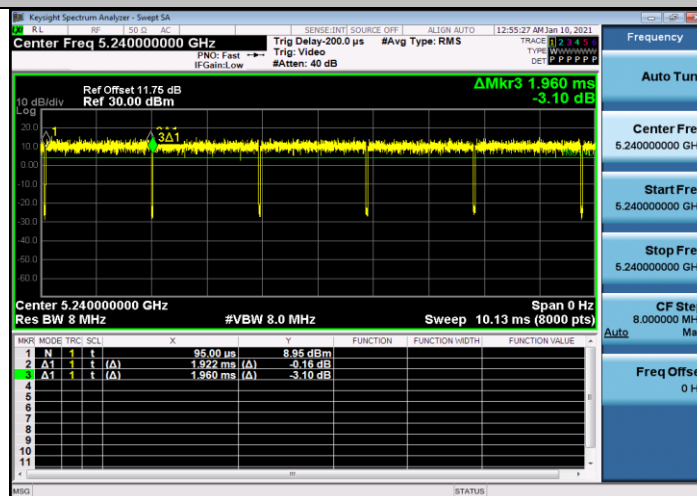
### 11N20MIMO\_Ant2\_5220



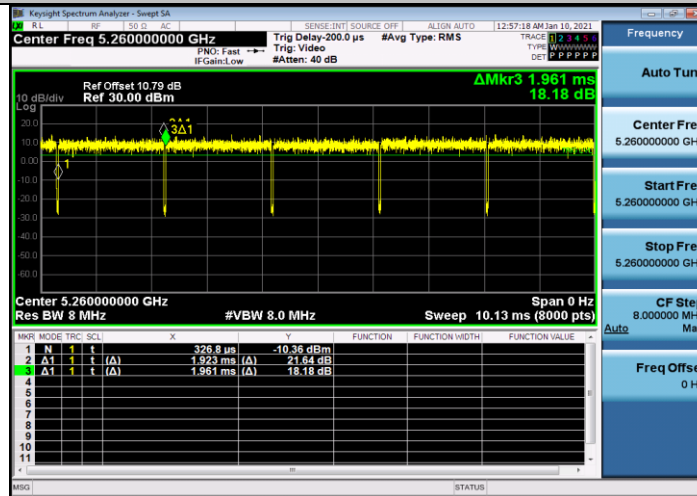
### 11N20MIMO\_Ant1\_5240



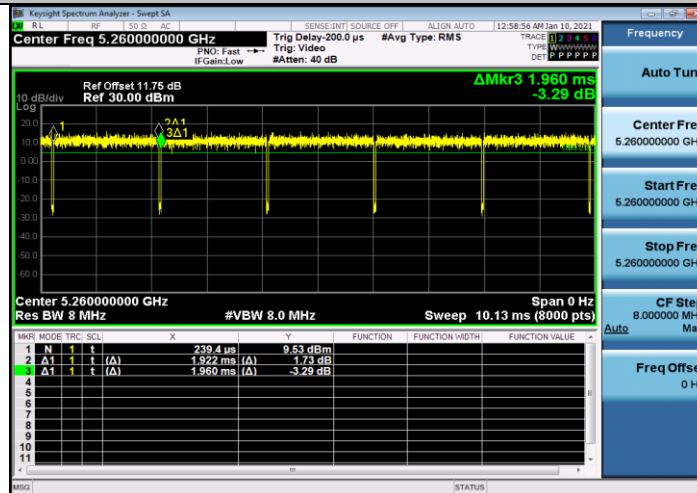
### 11N20MIMO\_Ant2\_5240



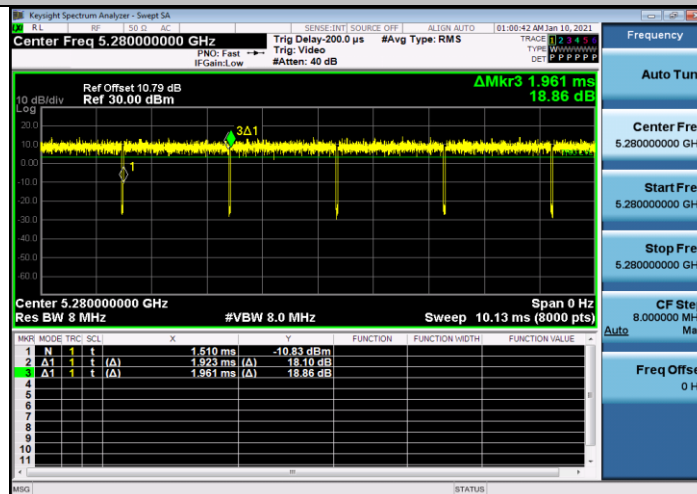
### 11N20MIMO\_Ant1\_5260



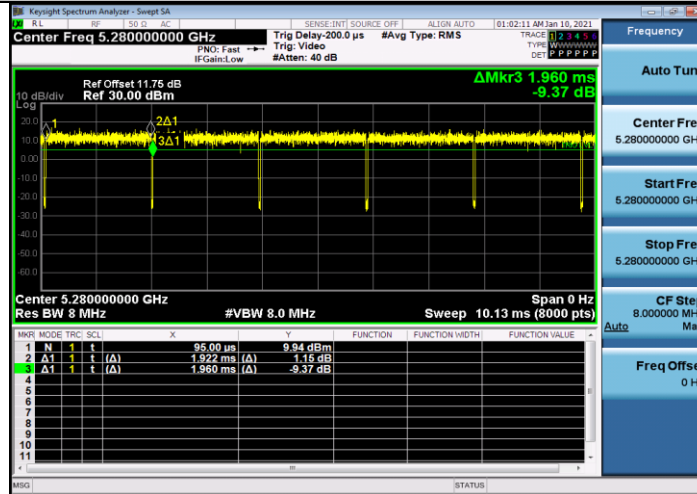
### 11N20MIMO\_Ant2\_5260



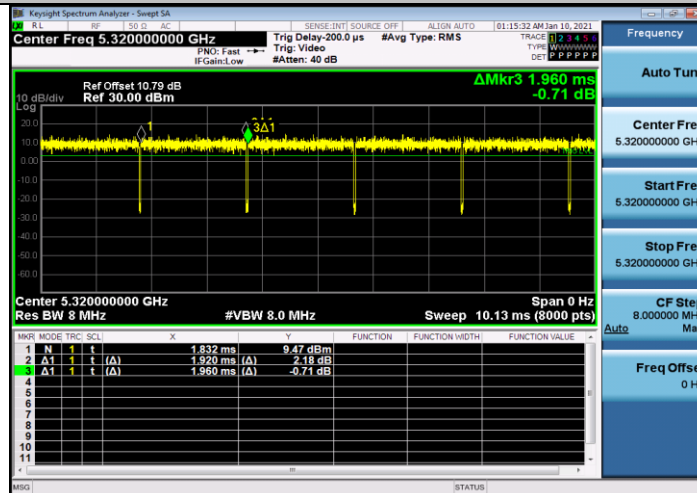
### 11N20MIMO\_Ant1\_5280



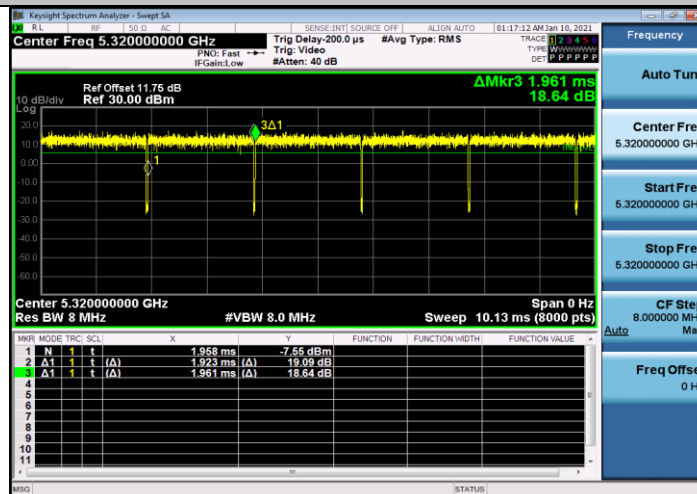
### 11N20MIMO\_Ant2\_5280



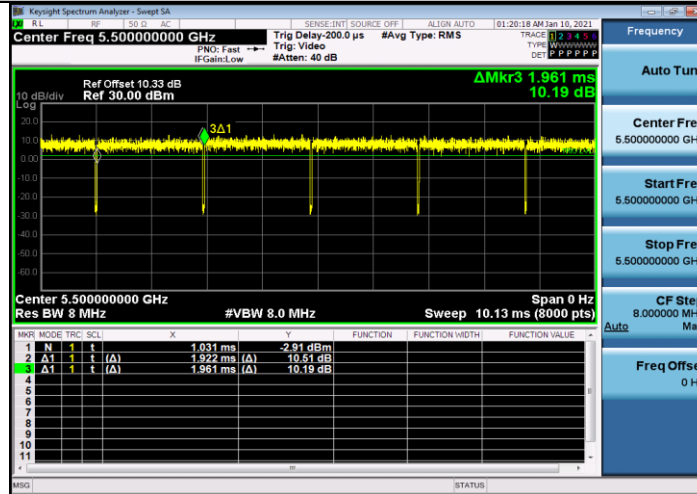
### 11N20MIMO\_Ant1\_5320



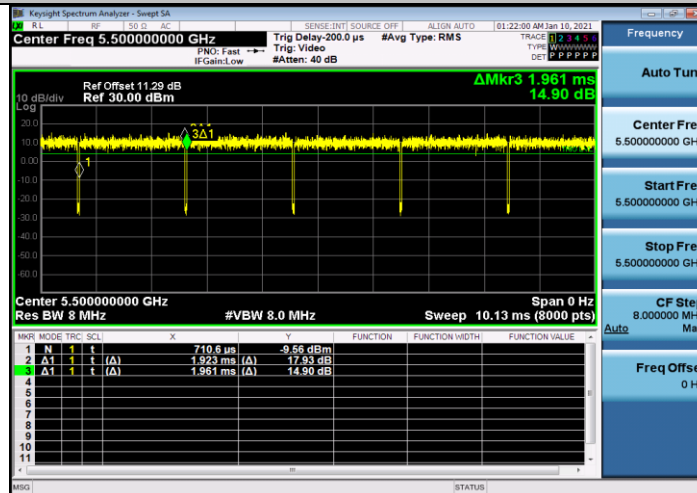
### 11N20MIMO\_Ant2\_5320



### 11N20MIMO\_Ant1\_5500



### 11N20MIMO\_Ant2\_5500



### 11N20MIMO\_Ant1\_5600

