

# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND



XMIT 2020.12.30.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST EQUIPMENT

| Description                    | Manufacturer              | Model                 | ID  | Last Cal.  | Cal. Due   |
|--------------------------------|---------------------------|-----------------------|-----|------------|------------|
| Meter - Multimeter             | Tektronix                 | DMM912                | MMH | 2019-02-15 | 2022-02-15 |
| Thermometer                    | Omegaette                 | HH311                 | DTY | 2021-02-04 | 2024-02-04 |
| Chamber - Temperature/Humidity | Cincinnati Sub Zero (CSZ) | ZPH-8-1-1-H/AC        | TBI | NCR        | NCR        |
| Power Supply - DC              | Dr. Meter                 | PS-305DM              | TZZ | NCR        | NCR        |
| Generator - Signal             | Keysight                  | N5182B                | TFU | 2020-11-20 | 2022-11-20 |
| Cable                          | Micro-Coax                | UFD150A-1-0720-200200 | EVK | 2021-03-14 | 2022-03-14 |
| Attenuator                     | S.M. Electronics          | SA26B-20              | AUY | 2021-03-14 | 2022-03-14 |
| Block - DC                     | Fairview Microwave        | SD3379                | AMW | 2021-03-14 | 2022-03-14 |
| Analyzer - Spectrum Analyzer   | Keysight                  | N9010A                | AFO | 2021-07-06 | 2022-07-06 |

## TEST DESCRIPTION

The spectrum analyzer is equipped with a precision frequency reference that exceeds the stability requirement of the EUT.

Measurements were made at the edges of the main transmit bands as called out on the data sheets. Testing was done with an absence of modulation in a CW mode of operation.

The primary supply voltage was varied from 85 % to 115% of the nominal voltage Using a temperature chamber, the transmit frequency was recorded at the extremes of the specified temperature range (-30 ° to +50° C) and at 10°C intervals.

Where a ppm limit applies:  $\text{ppm} = (\text{Measured Frequency} / \text{Measured Nominal Frequency} - 1) * 1,000,000$

Per the requirements of FCC 15.407:

"Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual."

No specific limits are provided in either FCC 15.407, the product specific rule part, or FCC 2.1055, the equipment authorization procedure for testing frequency stability. While there are no limits called out, any results less than 100ppm will still allow the radio to be operating within the band.

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TbTx 2021.03.19.1 XM 2020.12.30.0

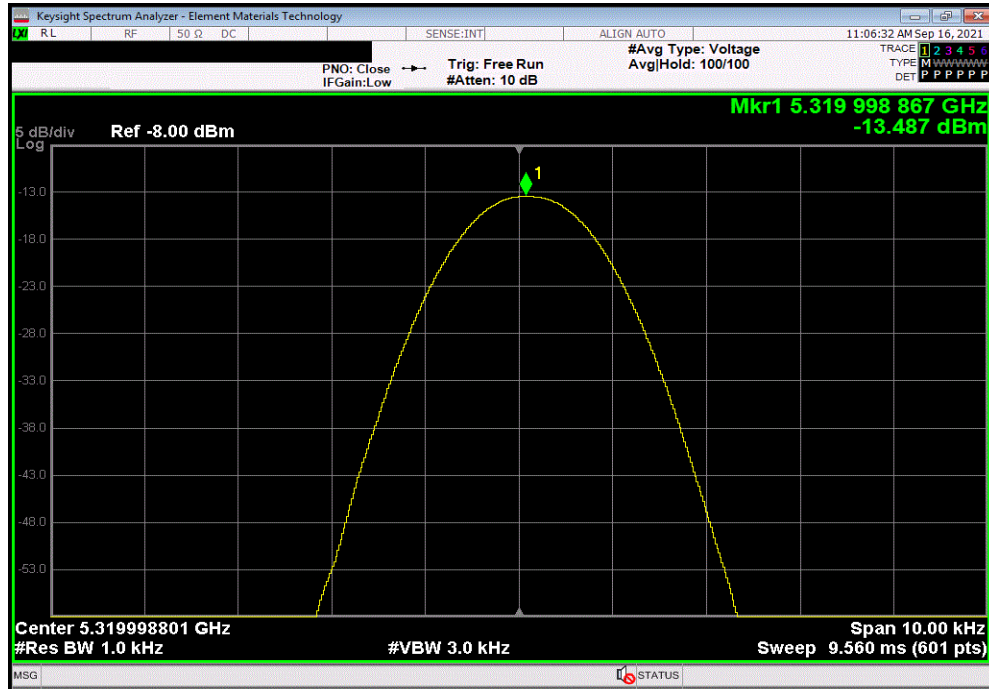
|                                              |   |                                                                                             |                              |             |             |         |
|----------------------------------------------|---|---------------------------------------------------------------------------------------------|------------------------------|-------------|-------------|---------|
| EUT: 43.0536.00                              |   | Work Order: A-DE0170                                                                        |                              |             |             |         |
| Serial Number: SN001 00001                   |   | Date: 16-Sep-21                                                                             |                              |             |             |         |
| Customer: A-dec, Inc.                        |   | Temperature: 21.9 °C                                                                        |                              |             |             |         |
| Attendees: Ben Meadows                       |   | Humidity: 37.4% RH                                                                          |                              |             |             |         |
| Project: None                                |   | Barometric Pres.: 1023 mbar                                                                 |                              |             |             |         |
| Tested by: Jeff Alcock                       |   | Power: 3.3 VDC                                                                              |                              |             |             |         |
|                                              |   | Job Site: EV06                                                                              |                              |             |             |         |
| TEST SPECIFICATIONS                          |   | Test Method                                                                                 |                              |             |             |         |
| FCC 15.407:2021                              |   | ANSI C63.10:2013                                                                            |                              |             |             |         |
|                                              |   |                                                                                             |                              |             |             |         |
| COMMENTS                                     |   |                                                                                             |                              |             |             |         |
| None                                         |   |                                                                                             |                              |             |             |         |
| DEVIATIONS FROM TEST STANDARD                |   |                                                                                             |                              |             |             |         |
| None                                         |   |                                                                                             |                              |             |             |         |
| Configuration #                              | 3 | Signature  |                              |             |             |         |
|                                              |   | Measured Value (MHz)                                                                        | Measured Nominal Value (MHz) | Error (ppm) | Limit (ppm) | Results |
| 5250 MHz - 5350 MHz - High Channel, 5320 MHz |   |                                                                                             |                              |             |             |         |
| Voltage: 115%, 3.795 VDC                     |   | 5319.998867                                                                                 | 5319.994434                  | 0.8         | 100         | Pass    |
| Nominal Voltage: 100%, 3.3 VDC               |   | 5319.994434                                                                                 | 5319.994434                  | 0.0         | 100         | Pass    |
| Voltage: 85%, 2.805 VDC                      |   | 5319.994434                                                                                 | 5319.994434                  | 0.0         | 100         | Pass    |
| Temperature: +50°                            |   | 5320.001249                                                                                 | 5319.994434                  | 1.3         | 100         | Pass    |
| Temperature: +40°                            |   | 5319.994183                                                                                 | 5319.994434                  | 0.0         | 100         | Pass    |
| Temperature: +30°                            |   | 5319.997233                                                                                 | 5319.994434                  | 0.5         | 100         | Pass    |
| Temperature: +20°                            |   | 5320.007016                                                                                 | 5319.994434                  | 2.4         | 100         | Pass    |
| Temperature: +10°                            |   | 5320.017266                                                                                 | 5319.994434                  | 4.3         | 100         | Pass    |
| Temperature: 0°                              |   | 5320.030667                                                                                 | 5319.994434                  | 6.8         | 100         | Pass    |
| Temperature: -10°                            |   | 5320.037433                                                                                 | 5319.994434                  | 8.1         | 100         | Pass    |
| Temperature: -20°                            |   | 5320.037550                                                                                 | 5319.994434                  | 8.1         | 100         | Pass    |
| Temperature: -30°                            |   | 5320.028566                                                                                 | 5319.994434                  | 6.4         | 100         | Pass    |
| 5470 MHz - 5725 MHz - Low Channel, 5500 MHz  |   |                                                                                             |                              |             |             |         |
| Voltage: 115%, 3.795 VDC                     |   | 5499.998899                                                                                 | 5499.994283                  | 0.8         | 100         | Pass    |
| Nominal Voltage: 100%, 3.3 VDC               |   | 5499.994283                                                                                 | 5499.994283                  | 0.0         | 100         | Pass    |
| Voltage: 85%, 2.805 VDC                      |   | 5499.994283                                                                                 | 5499.994283                  | 0.0         | 100         | Pass    |
| Temperature: +50°                            |   | 5500.004383                                                                                 | 5499.994283                  | 1.8         | 100         | Pass    |
| Temperature: +40°                            |   | 5499.994266                                                                                 | 5499.994283                  | 0.0         | 100         | Pass    |
| Temperature: +30°                            |   | 5499.996866                                                                                 | 5499.994283                  | 0.5         | 100         | Pass    |
| Temperature: +20°                            |   | 5500.005483                                                                                 | 5499.994283                  | 2.0         | 100         | Pass    |
| Temperature: +10°                            |   | 5500.015983                                                                                 | 5499.994283                  | 3.9         | 100         | Pass    |
| Temperature: 0°                              |   | 5500.030417                                                                                 | 5499.994283                  | 6.6         | 100         | Pass    |
| Temperature: -10°                            |   | 5500.038484                                                                                 | 5499.994283                  | 8.0         | 100         | Pass    |
| Temperature: -20°                            |   | 5500.039000                                                                                 | 5499.994283                  | 8.1         | 100         | Pass    |
| Temperature: -30°                            |   | 5500.031699                                                                                 | 5499.994283                  | 6.8         | 100         | Pass    |
| 5470 MHz - 5725 MHz - High Channel, 5700 MHz |   |                                                                                             |                              |             |             |         |
| Voltage: 115%, 3.795 VDC                     |   | 5699.999500                                                                                 | 5699.995133                  | 0.8         | 100         | Pass    |
| Nominal Voltage: 100%, 3.3 VDC               |   | 5699.995133                                                                                 | 5699.995133                  | 0.0         | 100         | Pass    |
| Voltage: 85%, 2.805 VDC                      |   | 5699.994116                                                                                 | 5699.995133                  | 0.2         | 100         | Pass    |
| Temperature: +50°                            |   | 5700.004834                                                                                 | 5699.995133                  | 1.7         | 100         | Pass    |
| Temperature: +40°                            |   | 5699.994367                                                                                 | 5699.995133                  | 0.1         | 100         | Pass    |
| Temperature: +30°                            |   | 5699.995950                                                                                 | 5699.995133                  | 0.1         | 100         | Pass    |
| Temperature: +20°                            |   | 5700.005850                                                                                 | 5699.995133                  | 1.9         | 100         | Pass    |
| Temperature: +10°                            |   | 5700.016483                                                                                 | 5699.995133                  | 3.7         | 100         | Pass    |
| Temperature: 0°                              |   | 5700.030650                                                                                 | 5699.995133                  | 6.2         | 100         | Pass    |
| Temperature: -10°                            |   | 5700.038634                                                                                 | 5699.995133                  | 7.6         | 100         | Pass    |
| Temperature: -20°                            |   | 5700.040550                                                                                 | 5699.995133                  | 8.0         | 100         | Pass    |
| Temperature: -30°                            |   | 5700.031266                                                                                 | 5699.995133                  | 6.3         | 100         | Pass    |
| 5725 MHz - 5850 MHz - High Channel, 5825 MHz |   |                                                                                             |                              |             |             |         |
| Voltage: 115%, 3.795 VDC                     |   | 5825.000416                                                                                 | 5824.995391                  | 0.9         | 100         | Pass    |
| Nominal Voltage: 100%, 3.3 VDC               |   | 5824.995391                                                                                 | 5824.995391                  | 0.0         | 100         | Pass    |
| Voltage: 85%, 2.805 VDC                      |   | 5824.994200                                                                                 | 5824.995391                  | 0.2         | 100         | Pass    |
| Temperature: +50°                            |   | 5825.006431                                                                                 | 5824.995391                  | 1.9         | 100         | Pass    |
| Temperature: +40°                            |   | 5824.993759                                                                                 | 5824.995391                  | 0.3         | 100         | Pass    |
| Temperature: +30°                            |   | 5824.995401                                                                                 | 5824.995391                  | 0.0         | 100         | Pass    |
| Temperature: +20°                            |   | 5825.005396                                                                                 | 5824.995391                  | 1.7         | 100         | Pass    |
| Temperature: +10°                            |   | 5825.016282                                                                                 | 5824.995391                  | 3.6         | 100         | Pass    |
| Temperature: 0°                              |   | 5825.030501                                                                                 | 5824.995391                  | 6.0         | 100         | Pass    |
| Temperature: -10°                            |   | 5825.040084                                                                                 | 5824.995391                  | 7.7         | 100         | Pass    |
| Temperature: -20°                            |   | 5825.041932                                                                                 | 5824.995391                  | 8.0         | 100         | Pass    |
| Temperature: -30°                            |   | 5825.035040                                                                                 | 5824.995391                  | 6.8         | 100         | Pass    |

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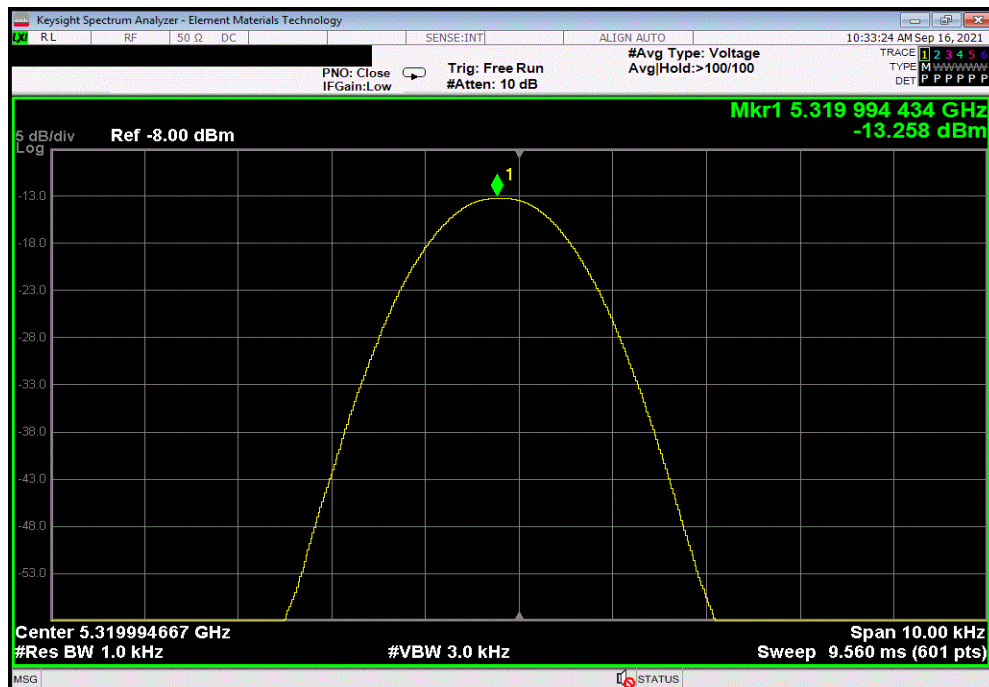


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| 5250 MHz - 5350 MHz - High Channel, 5320 MHz, Voltage: 115%, 3.795 VDC |                      |                      |                   |             |             |         |
|------------------------------------------------------------------------|----------------------|----------------------|-------------------|-------------|-------------|---------|
|                                                                        | Measured Value (MHz) | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
|                                                                        | 5319.998867          | 5319.994434          | 5319.994434       | 0.8         | 100         | Pass    |



| 5250 MHz - 5350 MHz - High Channel, 5320 MHz, Nominal Voltage: 100%, 3.3 VDC |                      |                      |                   |             |             |         |
|------------------------------------------------------------------------------|----------------------|----------------------|-------------------|-------------|-------------|---------|
|                                                                              | Measured Value (MHz) | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
|                                                                              | 5319.994434          | 5319.994434          | 5319.994434       | 0.0         | 100         | Pass    |

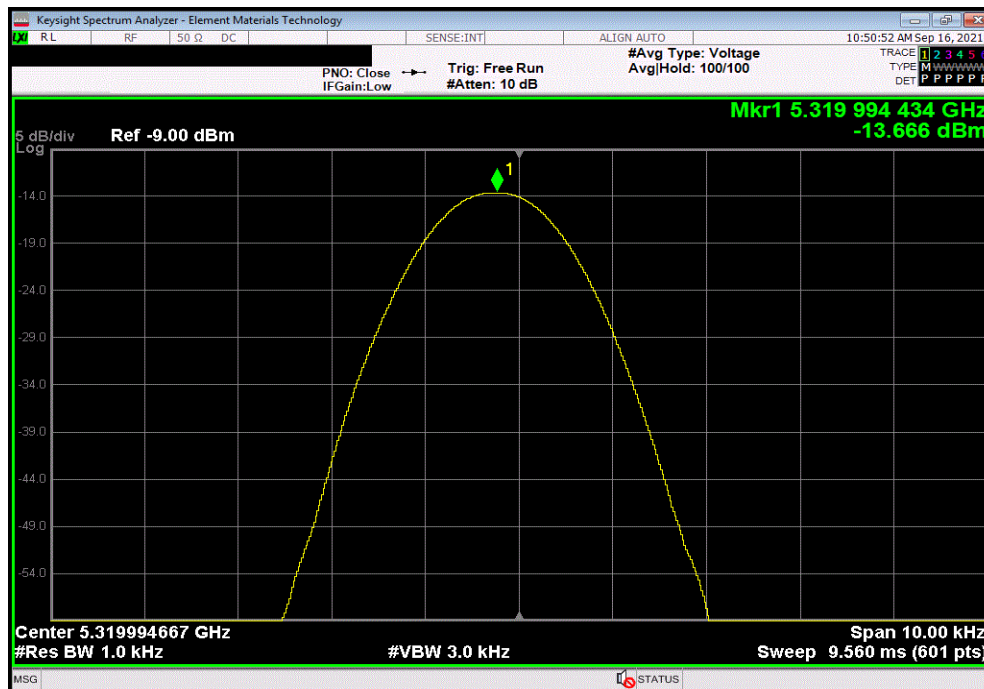


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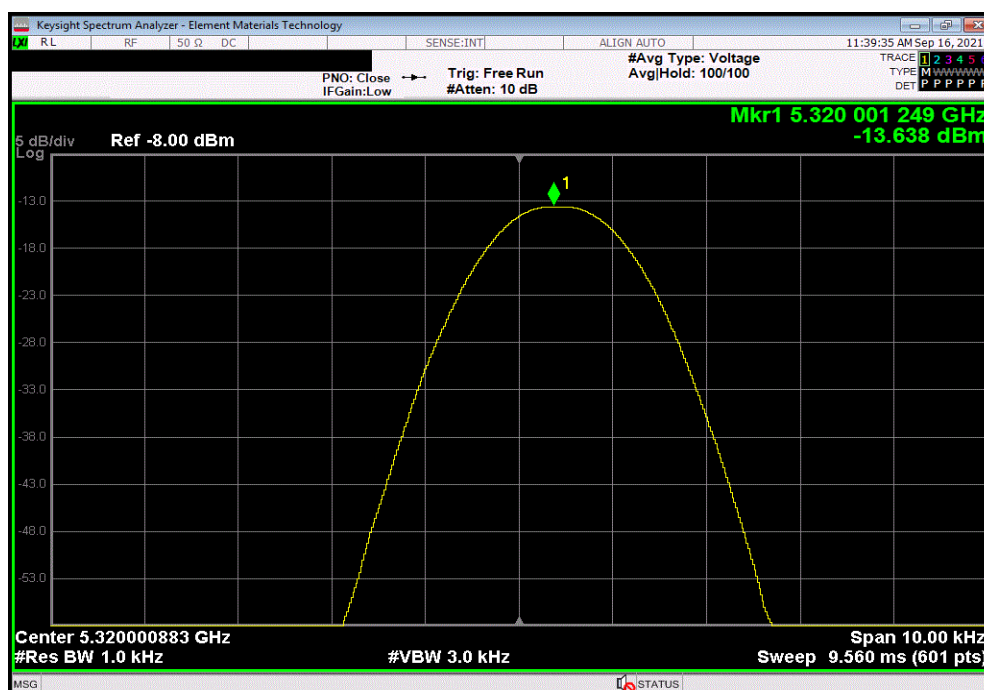


TbTtX 2021.03.19.1 XMt 2020.12.30.0

| 5250 MHz - 5350 MHz - High Channel, 5320 MHz, Voltage: 85%, 2.805 VDC |                      |                   |             |             |         |
|-----------------------------------------------------------------------|----------------------|-------------------|-------------|-------------|---------|
| Measured Value (MHz)                                                  | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
| 5319.994434                                                           | 5319.994434          | 5319.994434       | 0.0         | 100         | Pass    |



| 5250 MHz - 5350 MHz - High Channel, 5320 MHz, Temperature: +50° |                      |                   |             |             |         |
|-----------------------------------------------------------------|----------------------|-------------------|-------------|-------------|---------|
| Measured Value (MHz)                                            | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
| 5320.001249                                                     | 5319.994434          | 5319.994434       | 1.3         | 100         | Pass    |



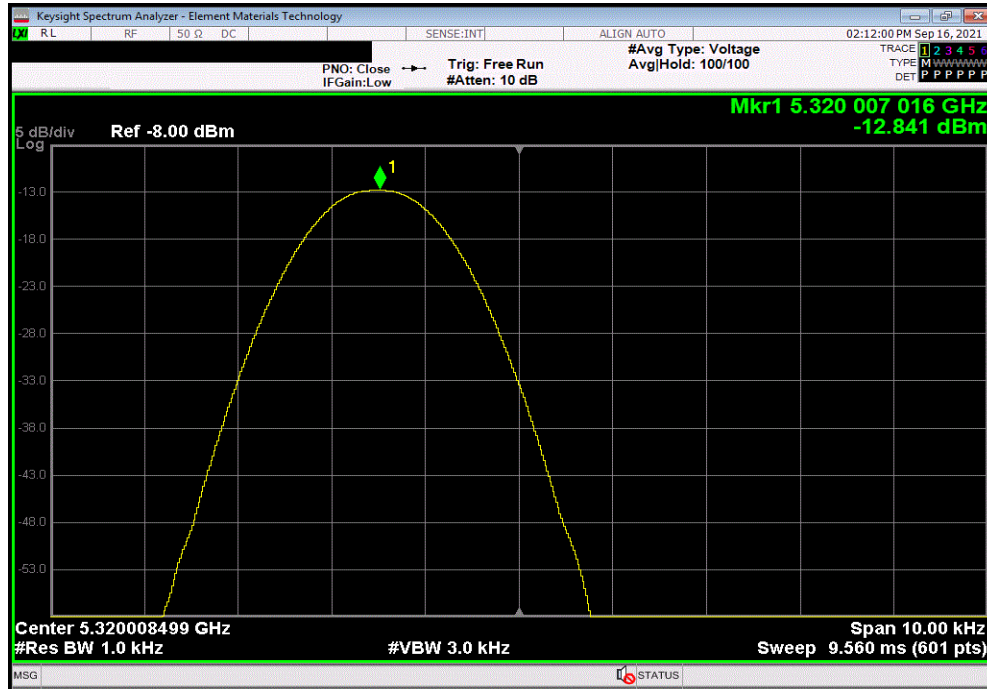


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

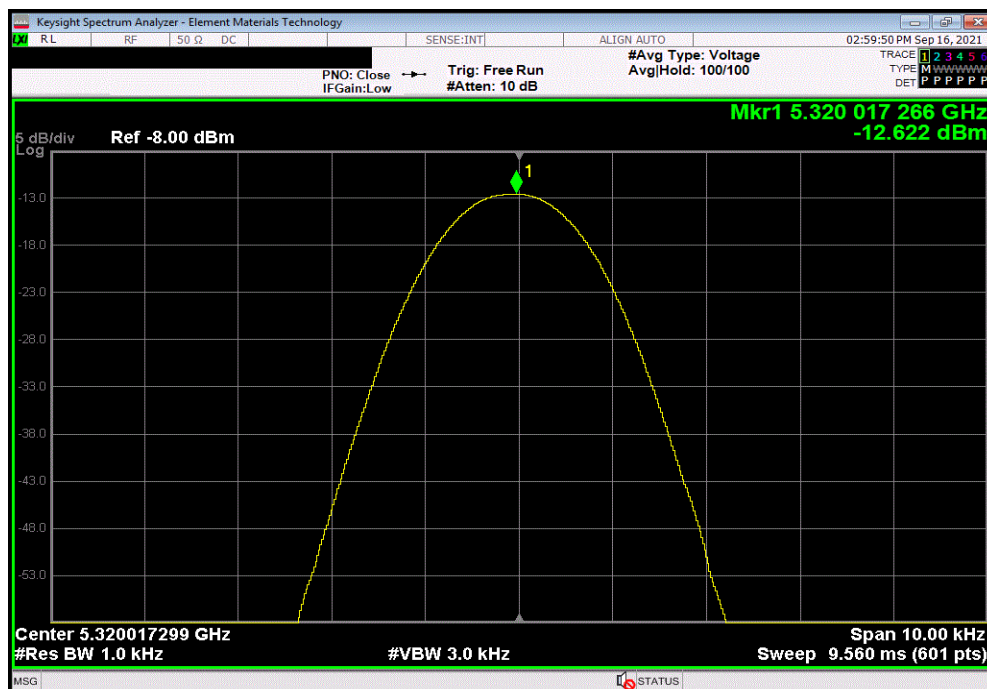


TbTtX 2021.03.19.1 XMt 2020.12.30.0

| 5250 MHz - 5350 MHz - High Channel, 5320 MHz, Temperature: +20° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5320.007016                                                     | 5319.994434          | 2.4         | 100         | Pass    |  |



| 5250 MHz - 5350 MHz - High Channel, 5320 MHz, Temperature: +10° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5320.017266                                                     | 5319.994434          | 4.3         | 100         | Pass    |  |

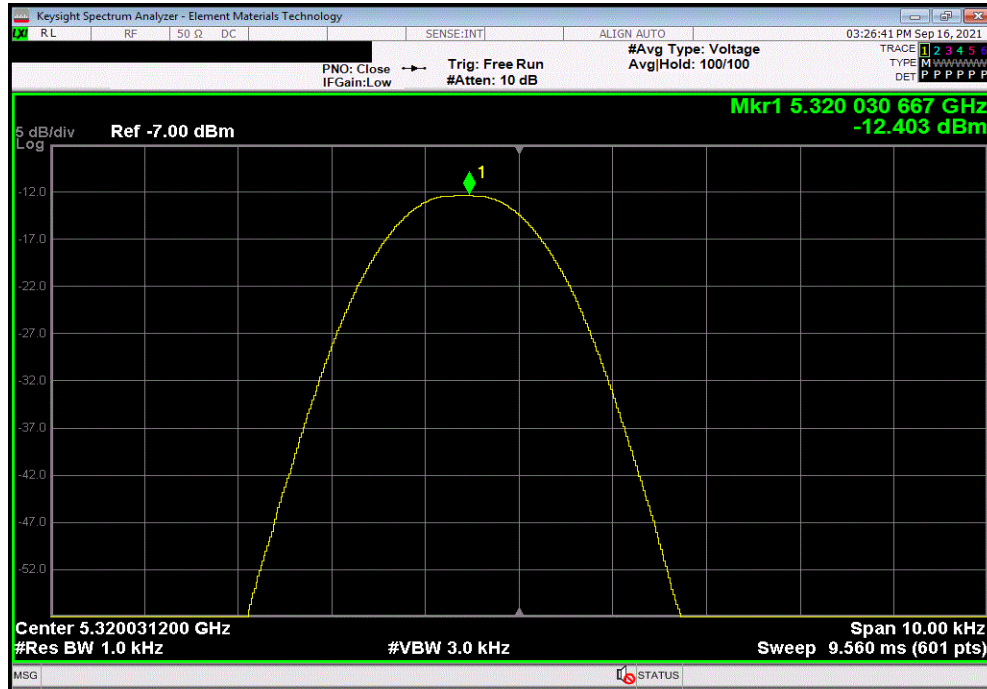


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

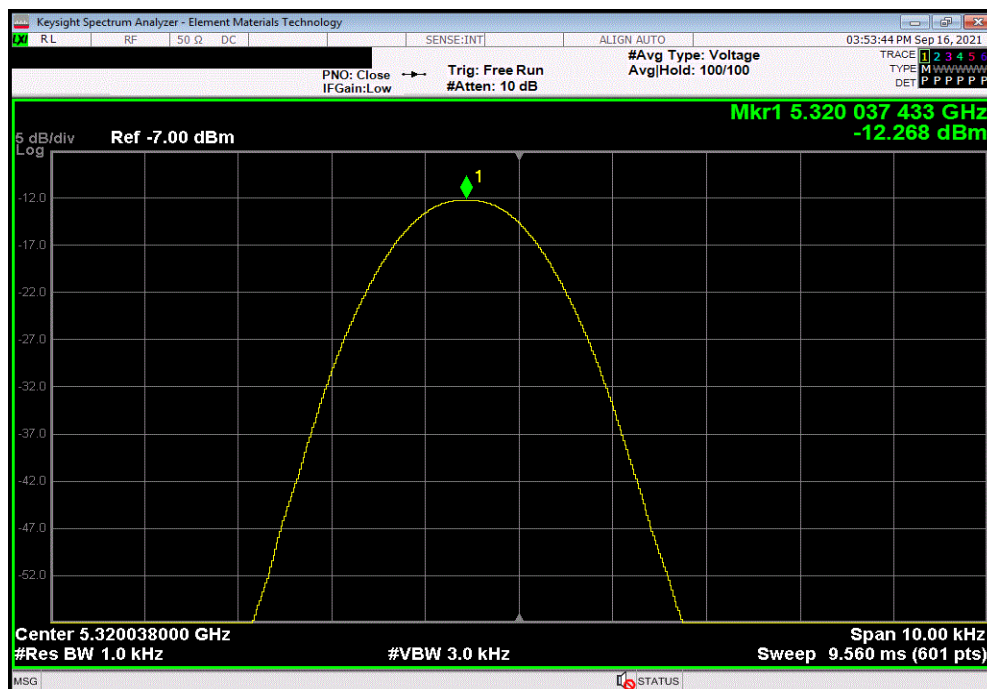


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 5250 MHz - 5350 MHz - High Channel, 5320 MHz, Temperature: 0° |                      |             |             |         |  |
|---------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                          | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5320.030667                                                   | 5319.994434          | 6.8         | 100         | Pass    |  |

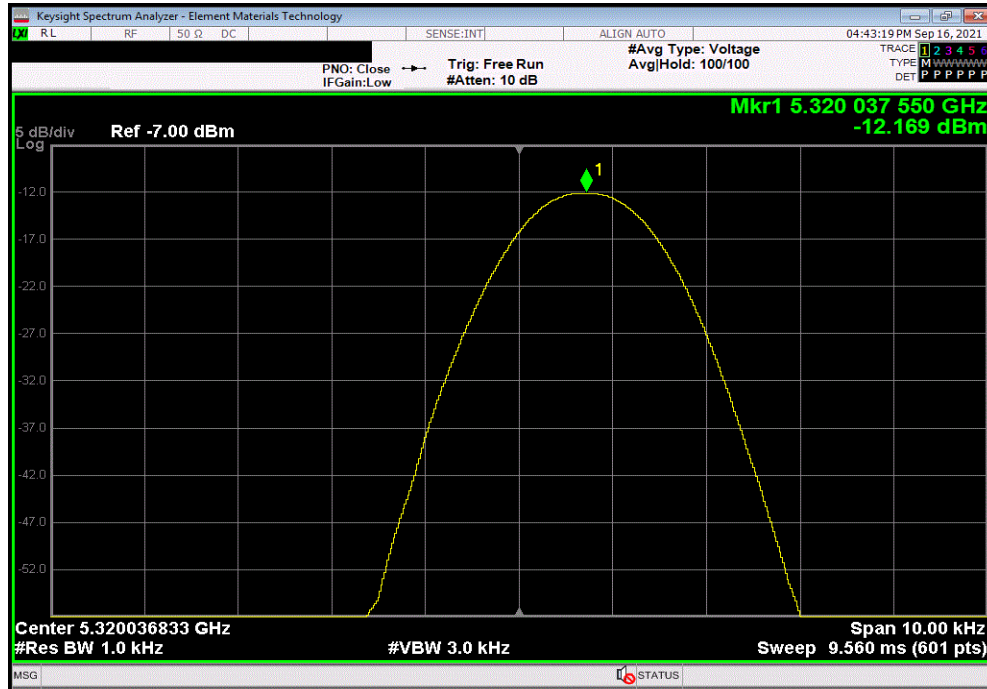


| 5250 MHz - 5350 MHz - High Channel, 5320 MHz, Temperature: -10° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5320.037433                                                     | 5319.994434          | 8.1         | 100         | Pass    |  |

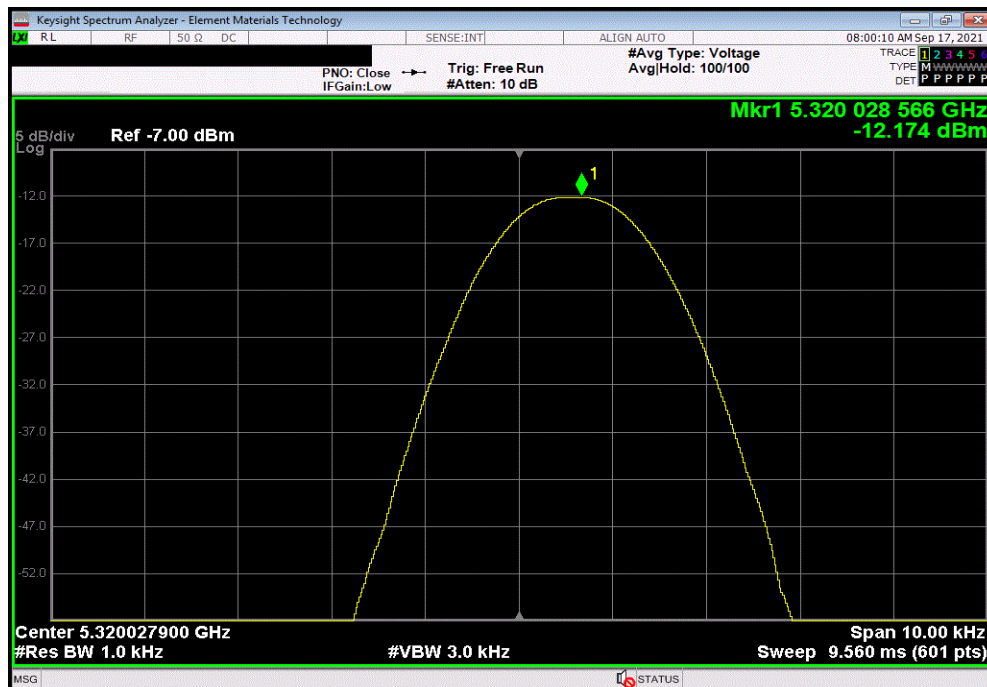




| 5250 MHz - 5350 MHz - High Channel, 5320 MHz, Temperature: -20° |  |             |                |       |       |         |
|-----------------------------------------------------------------|--|-------------|----------------|-------|-------|---------|
|                                                                 |  | Measured    | Measured Nomin | Error | Limit | Results |
|                                                                 |  | Value (MHz) | Value (MHz)    | (ppm) | (ppm) |         |
|                                                                 |  | 5320.03755  | 5319.994434    | 8.1   | 100   | Pass    |



| 5250 MHz - 5350 MHz - High Channel, 5320 MHz, Temperature: -30° |                |       |       |         |  |  |
|-----------------------------------------------------------------|----------------|-------|-------|---------|--|--|
| Measured                                                        | Measured Nomin | Error | Limit | Results |  |  |
| Value (MHz)                                                     | Value (MHz)    | (ppm) | (ppm) |         |  |  |
| 5320.028566                                                     | 5319.994434    | 6.4   | 100   | Pass    |  |  |

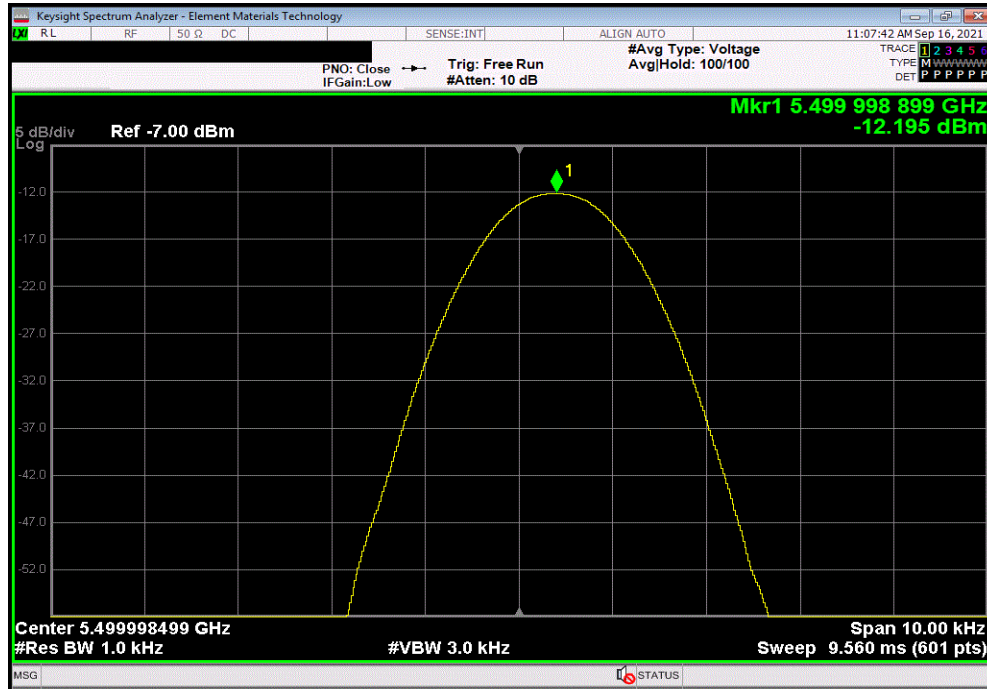


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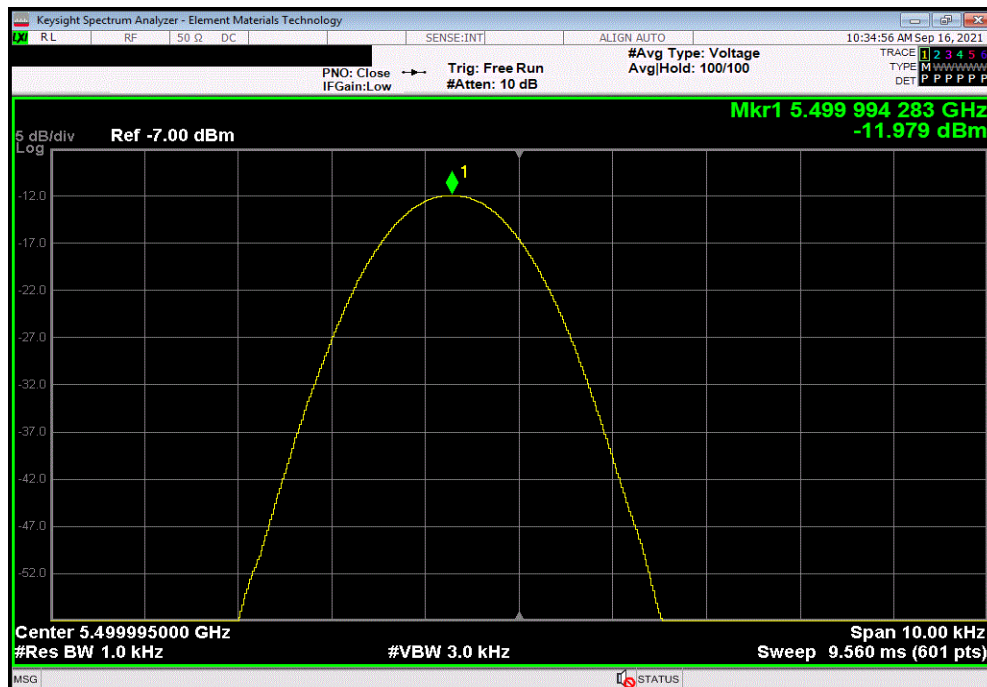


TbTtX 2021.03.19.1 XMt 2020.12.30.0

| 5470 MHz - 5725 MHz - Low Channel, 5500 MHz, Voltage: 115%, 3.795 VDC |                      |                      |             |             |         |  |
|-----------------------------------------------------------------------|----------------------|----------------------|-------------|-------------|---------|--|
|                                                                       | Measured Value (MHz) | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
|                                                                       | 5499.998899          | 5499.994283          | 0.8         | 100         | Pass    |  |



| 5470 MHz - 5725 MHz - Low Channel, 5500 MHz, Nominal Voltage: 100%, 3.3 VDC |                      |                      |             |             |         |  |
|-----------------------------------------------------------------------------|----------------------|----------------------|-------------|-------------|---------|--|
|                                                                             | Measured Value (MHz) | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
|                                                                             | 5499.994283          | 5499.994283          | 0.0         | 100         | Pass    |  |

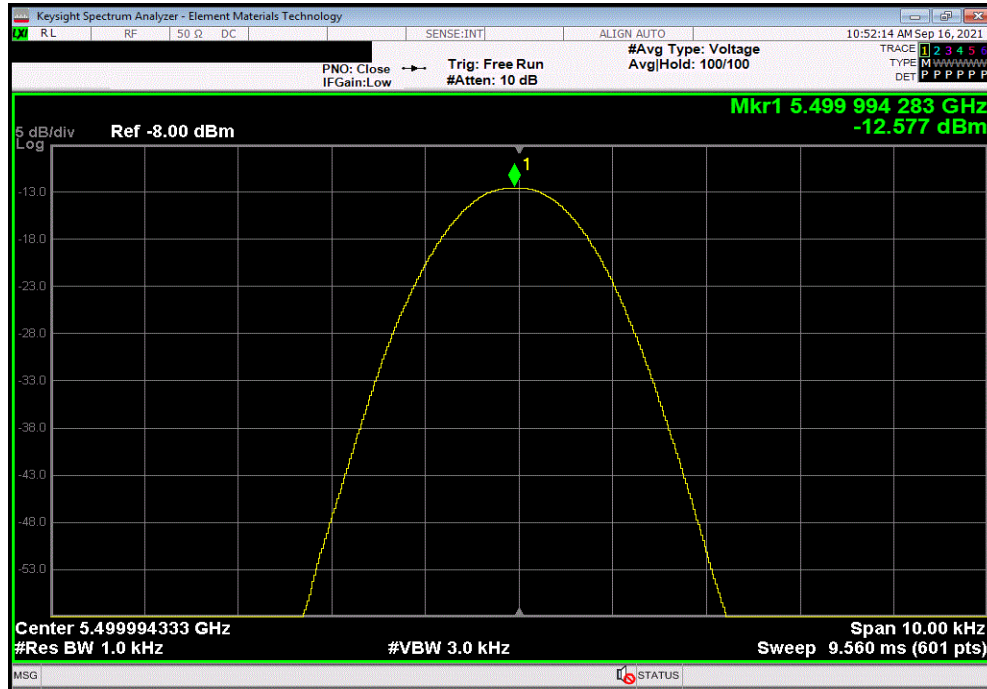


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

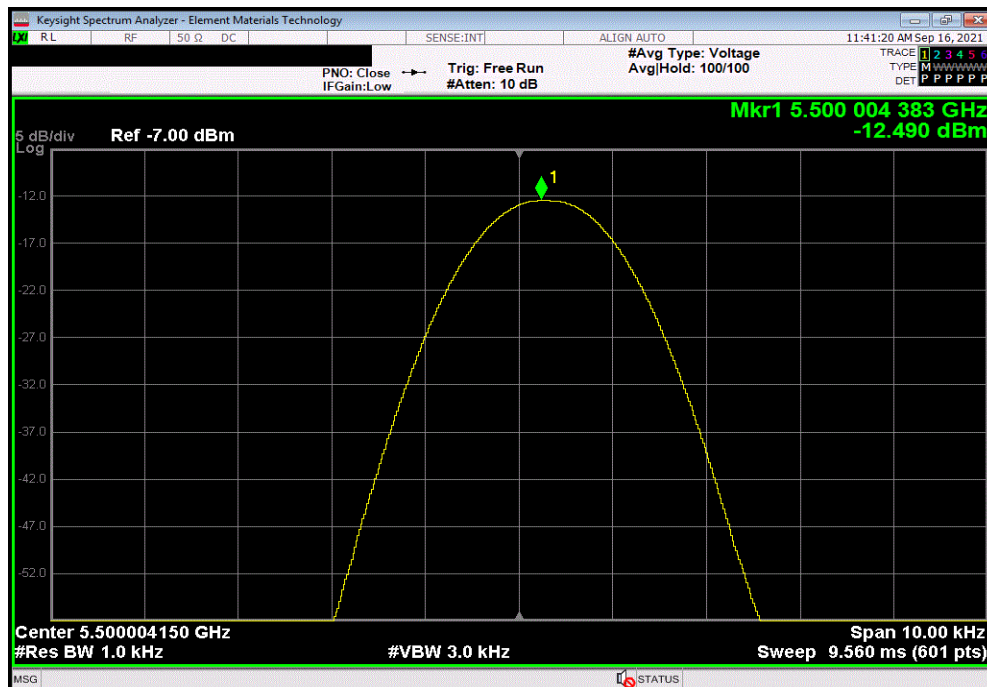


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 5470 MHz - 5725 MHz - Low Channel, 5500 MHz, Voltage: 85%, 2.805 VDC |                      |                   |             |             |         |
|----------------------------------------------------------------------|----------------------|-------------------|-------------|-------------|---------|
| Measured Value (MHz)                                                 | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
| 5499.994283                                                          | 5499.994283          | 5499.994283       | 0.0         | 100         | Pass    |



| 5470 MHz - 5725 MHz - Low Channel, 5500 MHz, Temperature: +50° |                      |                   |             |             |         |
|----------------------------------------------------------------|----------------------|-------------------|-------------|-------------|---------|
| Measured Value (MHz)                                           | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
| 5500.004383                                                    | 5500.004383          | 5499.994283       | 1.8         | 100         | Pass    |





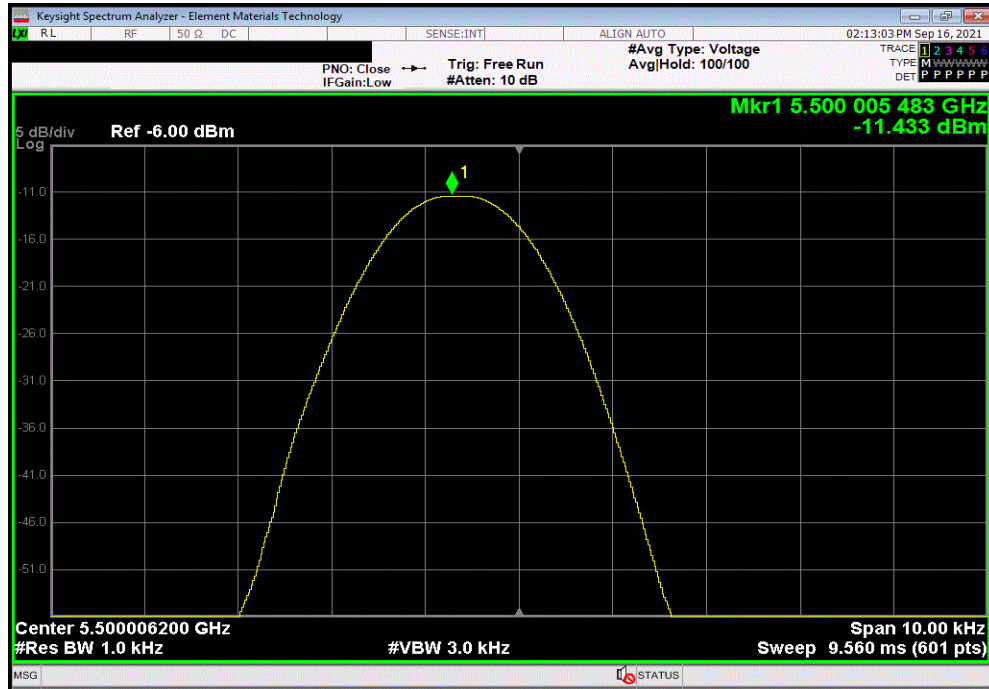
ThyTx 2021.02.19.1 YMit 2020.12.30.4

# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

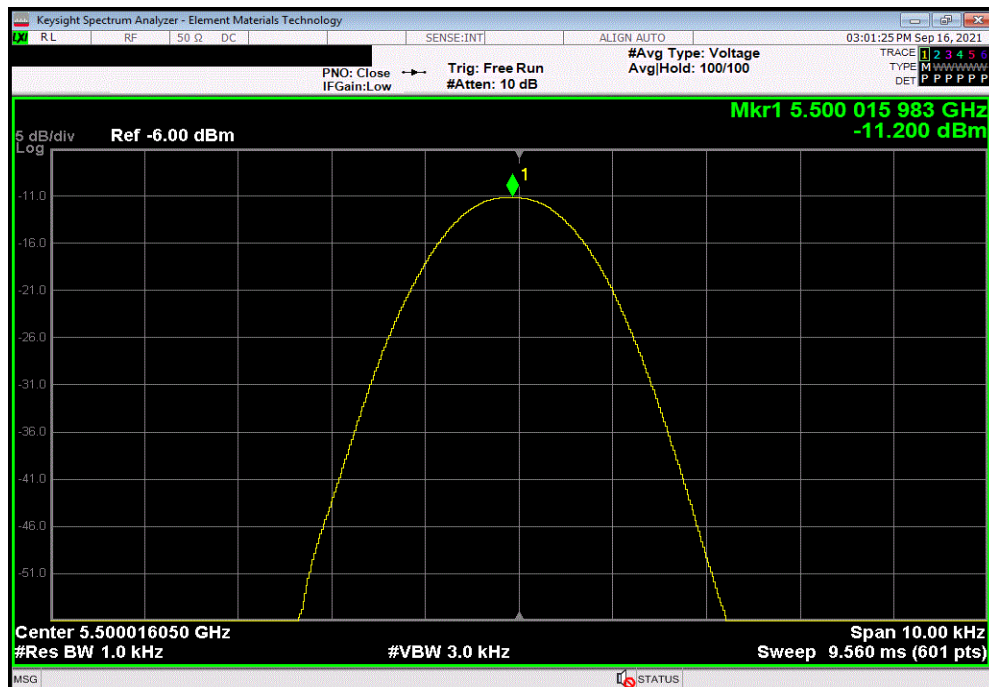


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 5470 MHz - 5725 MHz - Low Channel, 5500 MHz, Temperature: +20° |                      |                      |             |             |         |
|----------------------------------------------------------------|----------------------|----------------------|-------------|-------------|---------|
|                                                                | Measured Value (MHz) | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |
|                                                                | 5500.005483          | 5499.994283          | 2.0         | 100         | Pass    |



| 5470 MHz - 5725 MHz - Low Channel, 5500 MHz, Temperature: +10° |                      |                      |             |             |         |
|----------------------------------------------------------------|----------------------|----------------------|-------------|-------------|---------|
|                                                                | Measured Value (MHz) | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |
|                                                                | 5500.015983          | 5499.994283          | 3.9         | 100         | Pass    |

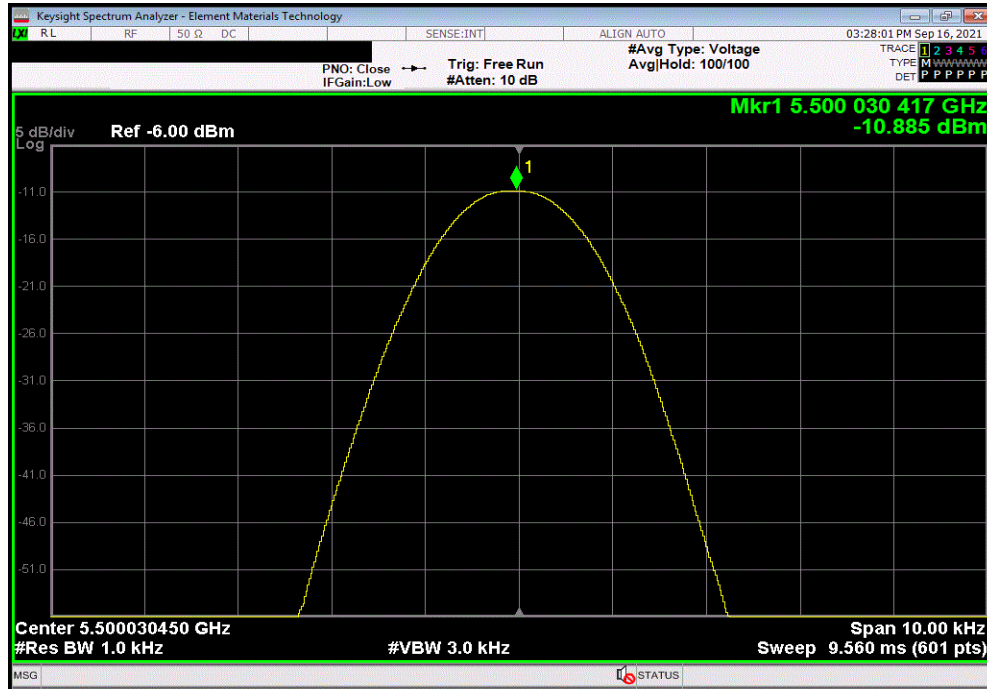


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

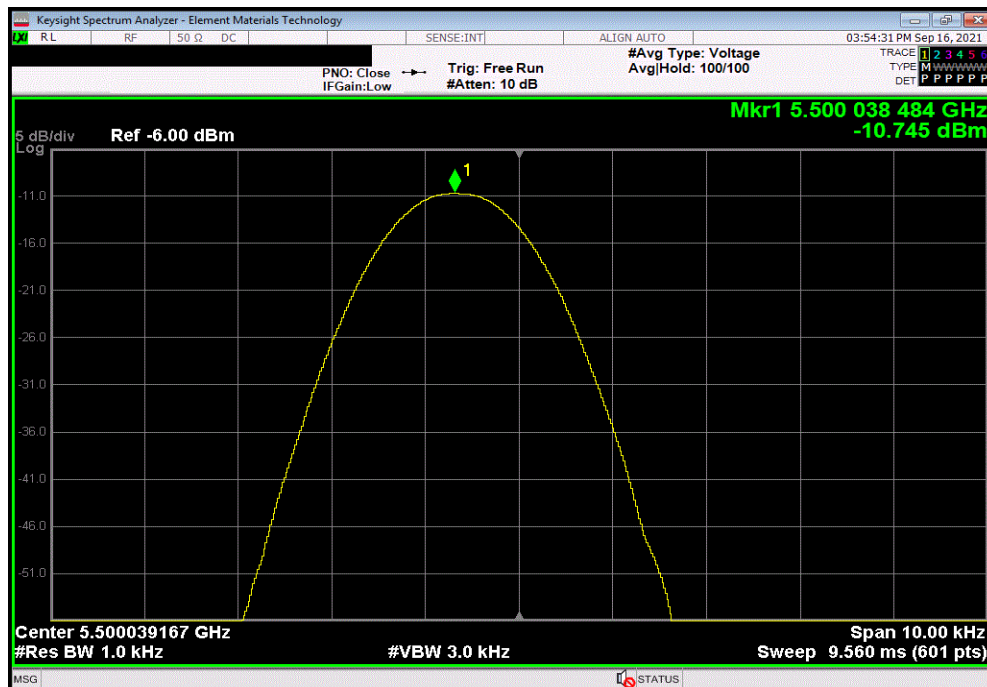


TbTtX 2021.03.19.1 XMt 2020.12.30.0

| 5470 MHz - 5725 MHz - Low Channel, 5500 MHz, Temperature: 0° |                      |                            |             |             |         |
|--------------------------------------------------------------|----------------------|----------------------------|-------------|-------------|---------|
|                                                              | Measured Value (MHz) | Measured Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
|                                                              | 5500.030417          | 5499.994283                | 6.6         | 100         | Pass    |



| 5470 MHz - 5725 MHz - Low Channel, 5500 MHz, Temperature: -10° |                      |                            |             |             |         |
|----------------------------------------------------------------|----------------------|----------------------------|-------------|-------------|---------|
|                                                                | Measured Value (MHz) | Measured Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
|                                                                | 5500.038484          | 5499.994283                | 8.0         | 100         | Pass    |

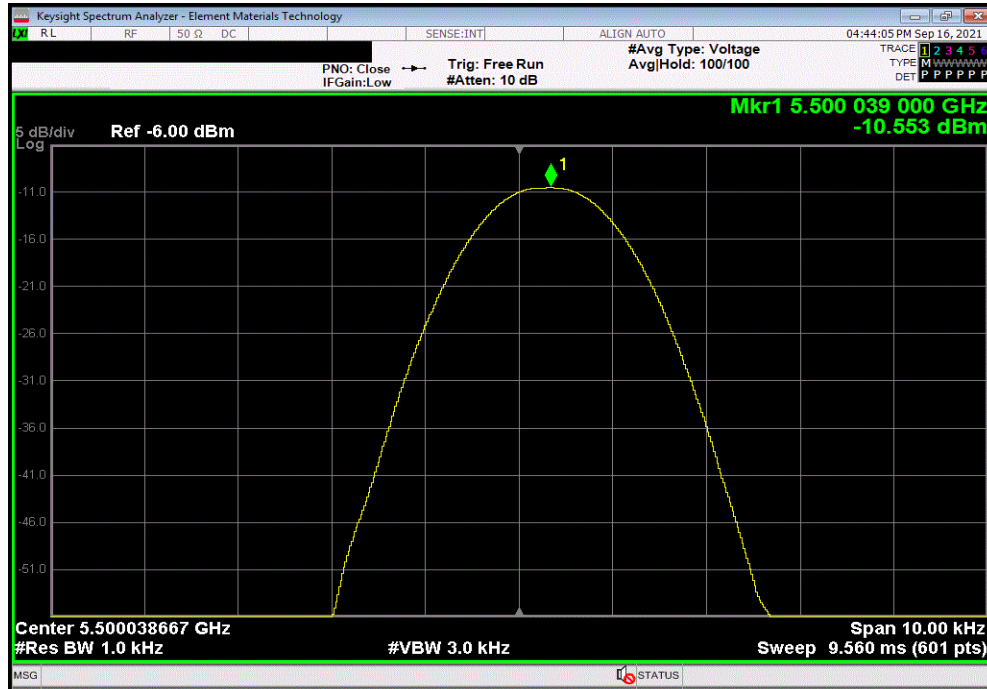


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

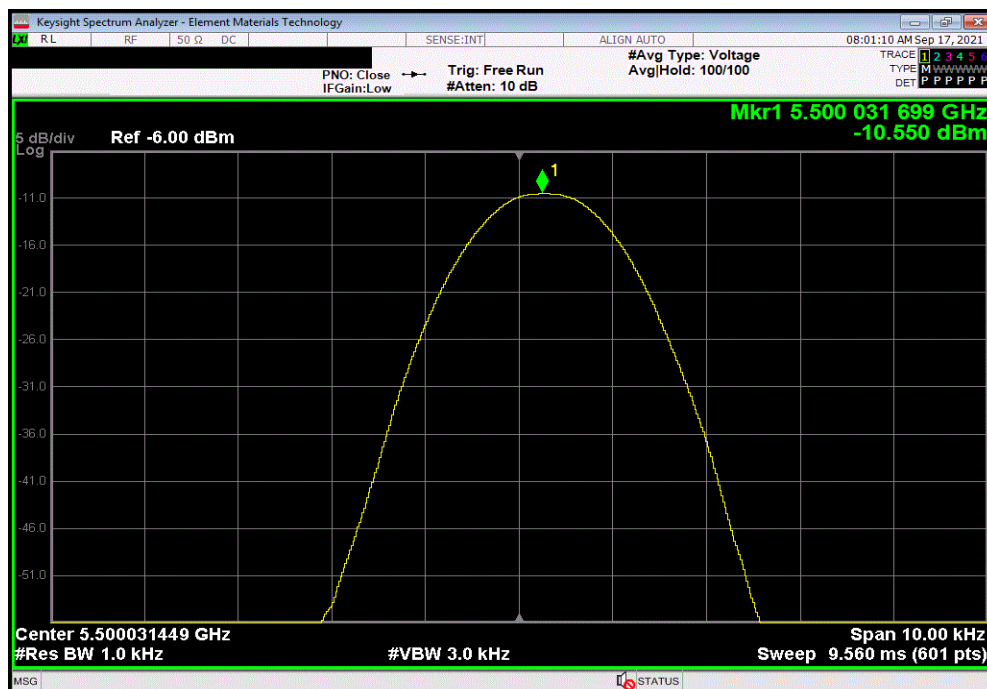


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 5470 MHz - 5725 MHz - Low Channel, 5500 MHz, Temperature: -20° |                      |                      |             |             |         |  |
|----------------------------------------------------------------|----------------------|----------------------|-------------|-------------|---------|--|
|                                                                | Measured Value (MHz) | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
|                                                                | 5500.039             | 5499.994283          | 8.1         | 100         | Pass    |  |



| 5470 MHz - 5725 MHz - Low Channel, 5500 MHz, Temperature: -30° |                      |                      |             |             |         |  |
|----------------------------------------------------------------|----------------------|----------------------|-------------|-------------|---------|--|
|                                                                | Measured Value (MHz) | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
|                                                                | 5500.031699          | 5499.994283          | 6.8         | 100         | Pass    |  |

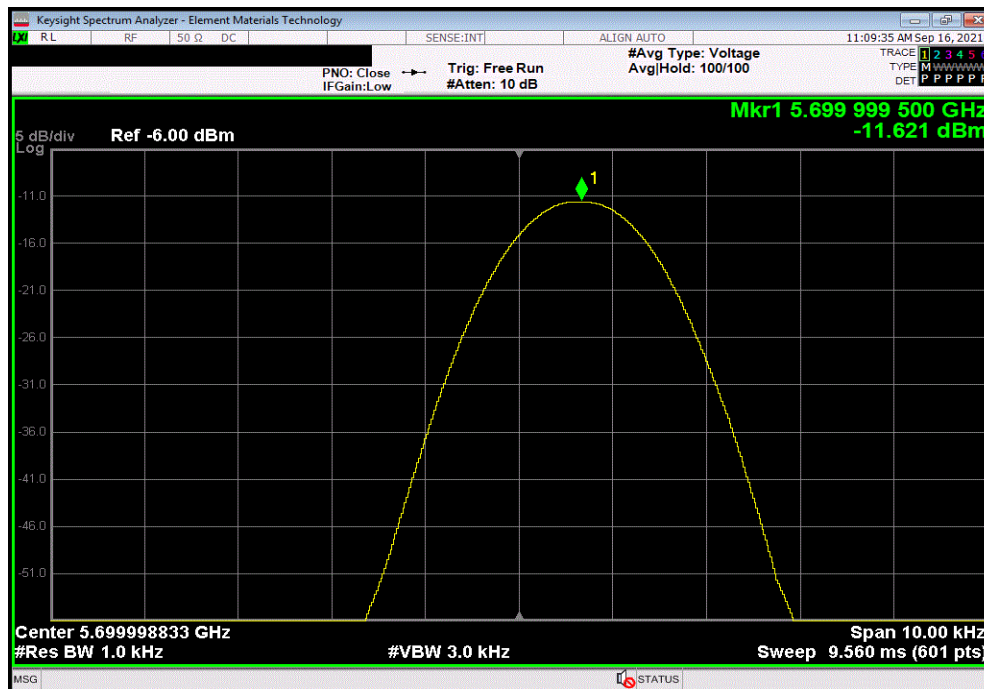


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

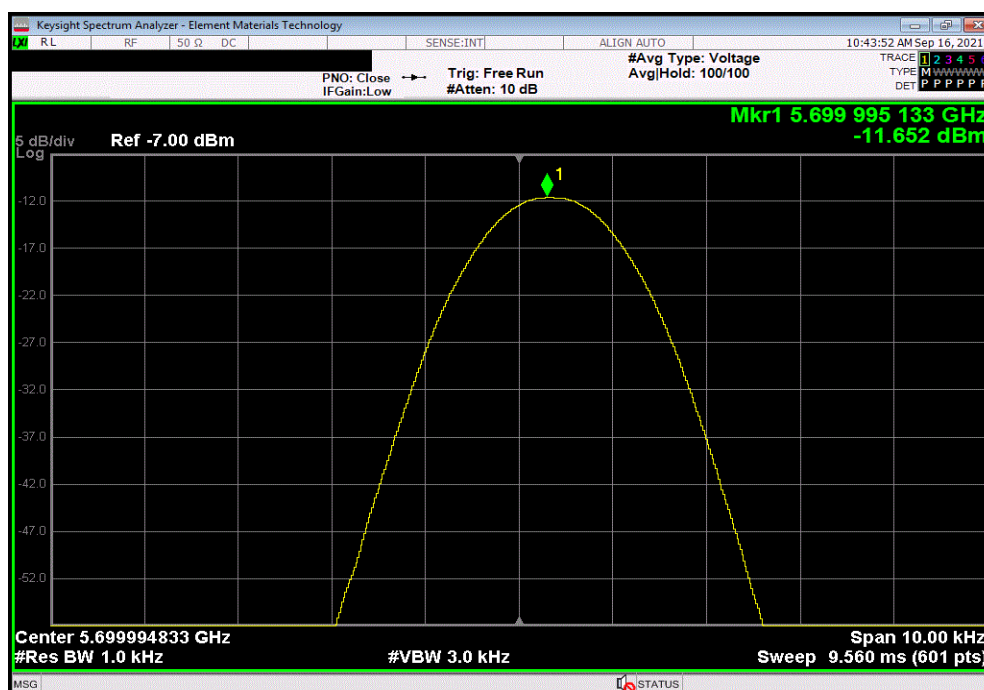


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Voltage: 115%, 3.795 VDC |                      |                      |             |             |         |  |
|------------------------------------------------------------------------|----------------------|----------------------|-------------|-------------|---------|--|
|                                                                        | Measured Value (MHz) | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
|                                                                        | 5699.9995            | 5699.995133          | 0.8         | 100         | Pass    |  |



| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Nominal Voltage: 100%, 3.3 VDC |                      |                      |             |             |         |  |
|------------------------------------------------------------------------------|----------------------|----------------------|-------------|-------------|---------|--|
|                                                                              | Measured Value (MHz) | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
|                                                                              | 5699.995133          | 5699.995133          | 0.0         | 100         | Pass    |  |

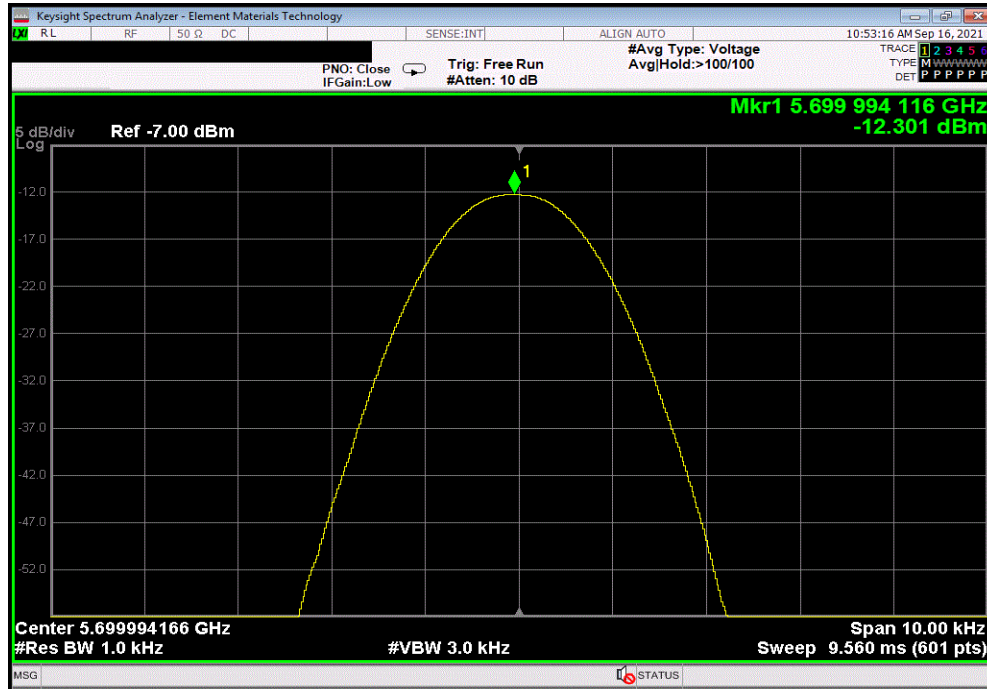


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

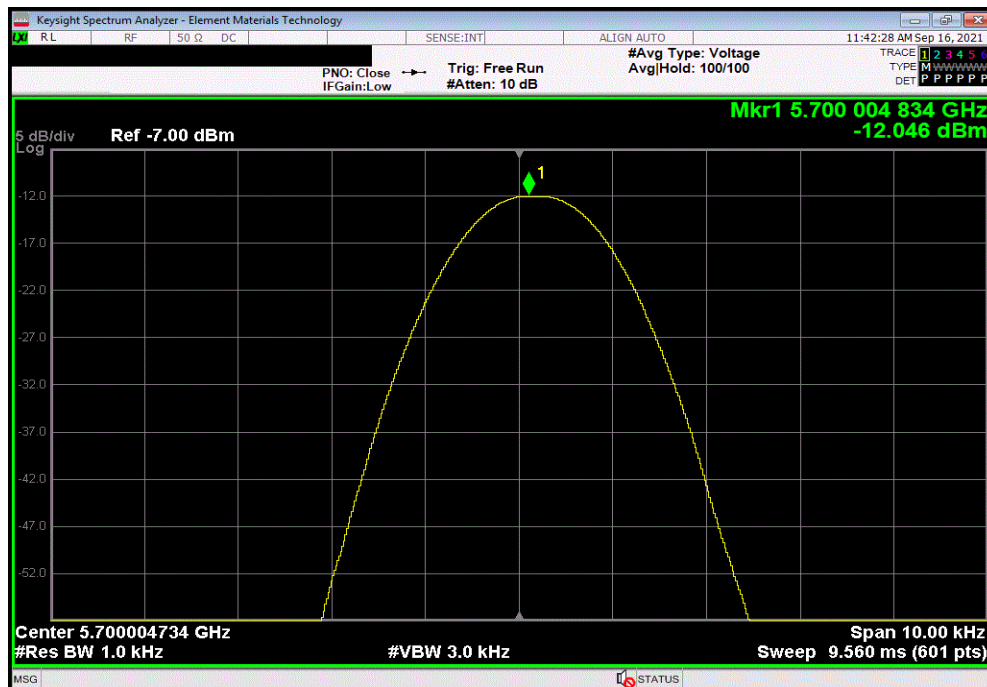


TbTtX 2021.03.19.1 XMt 2020.12.30.0

| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Voltage: 85%, 2.805 VDC |                      |                   |             |             |         |
|-----------------------------------------------------------------------|----------------------|-------------------|-------------|-------------|---------|
| Measured Value (MHz)                                                  | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
| 5699.994116                                                           | 5699.995133          | 5699.995133       | 0.2         | 100         | Pass    |



| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Temperature: +50° |                      |                   |             |             |         |
|-----------------------------------------------------------------|----------------------|-------------------|-------------|-------------|---------|
| Measured Value (MHz)                                            | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
| 5700.004834                                                     | 5699.995133          | 5699.995133       | 1.7         | 100         | Pass    |

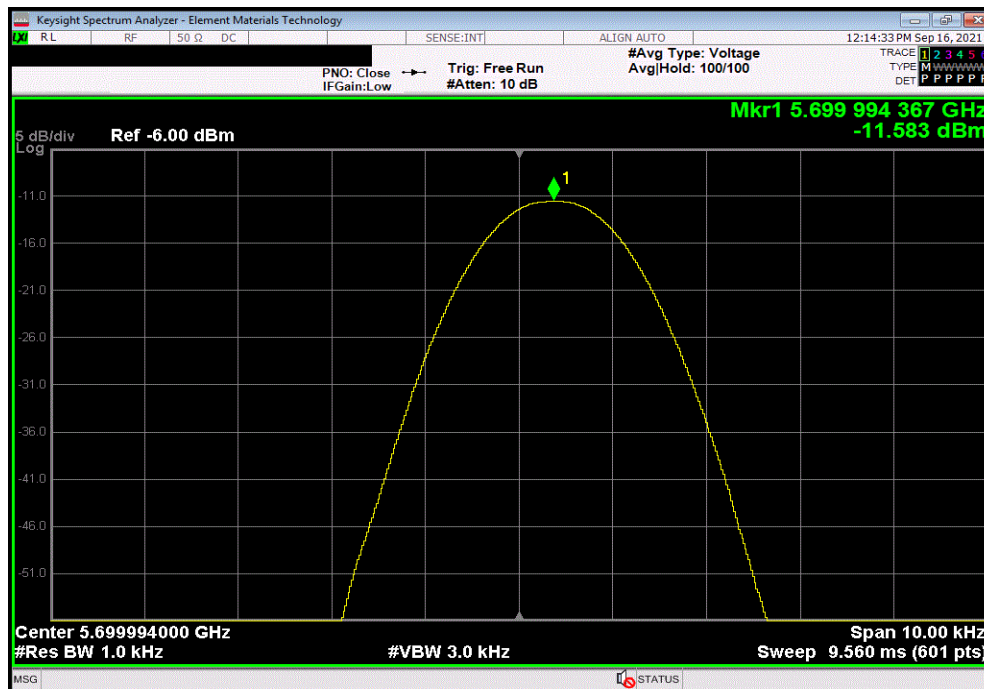


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

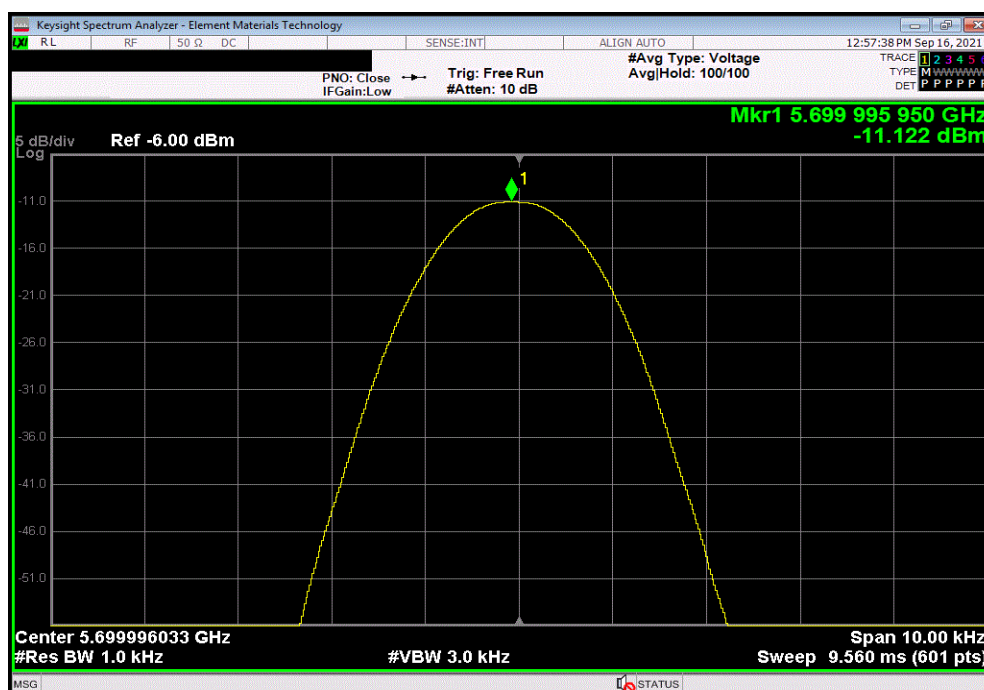


TbTtX 2021.03.19.1 XMt 2020.12.30.0

| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Temperature: +40° |                      |                            |             |             |         |
|-----------------------------------------------------------------|----------------------|----------------------------|-------------|-------------|---------|
|                                                                 | Measured Value (MHz) | Measured Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
|                                                                 | 5699.994367          | 5699.995133                | 0.1         | 100         | Pass    |



| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Temperature: +30° |                      |                            |             |             |         |
|-----------------------------------------------------------------|----------------------|----------------------------|-------------|-------------|---------|
|                                                                 | Measured Value (MHz) | Measured Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
|                                                                 | 5699.99595           | 5699.995133                | 0.1         | 100         | Pass    |

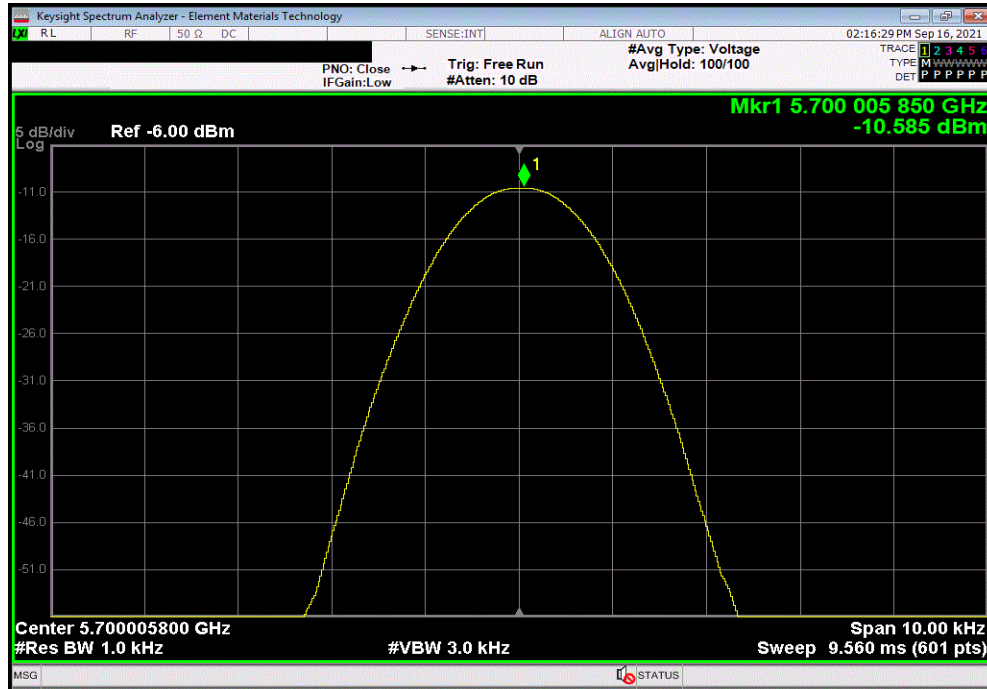


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

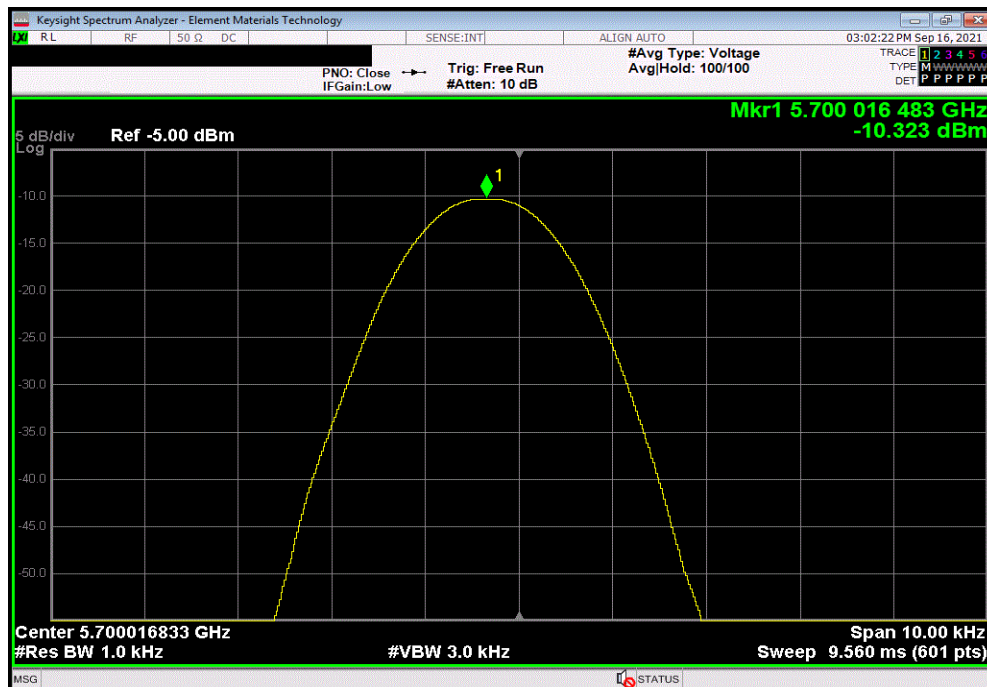


TbTtX 2021.03.19.1 XMt 2020.12.30.0

| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Temperature: +20° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5700.00585                                                      | 5699.995133          | 1.9         | 100         | Pass    |  |



| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Temperature: +10° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5700.016483                                                     | 5699.995133          | 3.7         | 100         | Pass    |  |

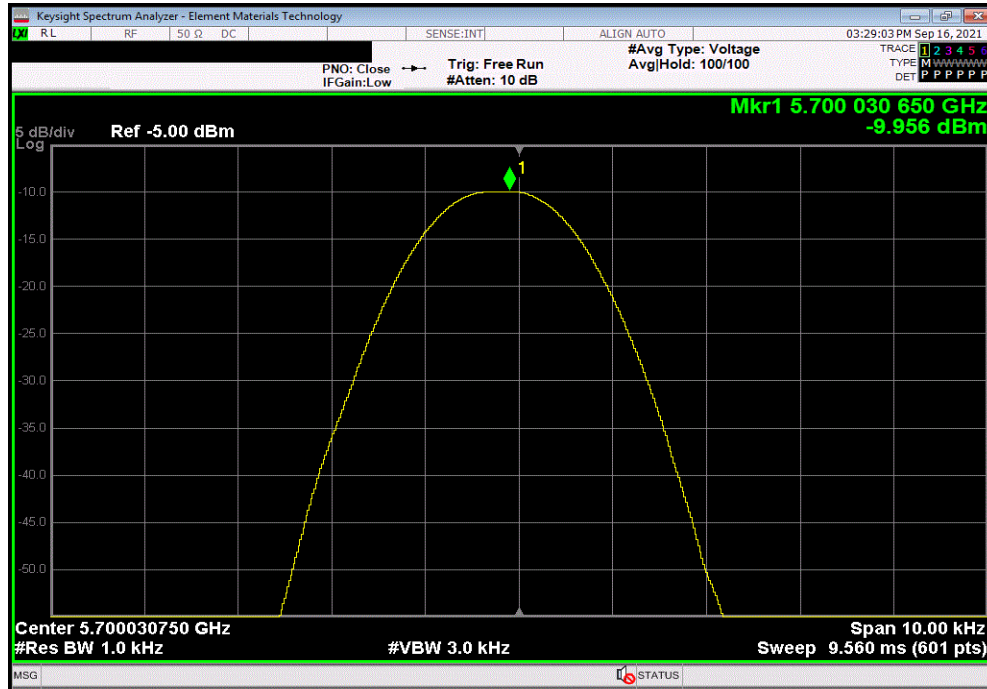


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

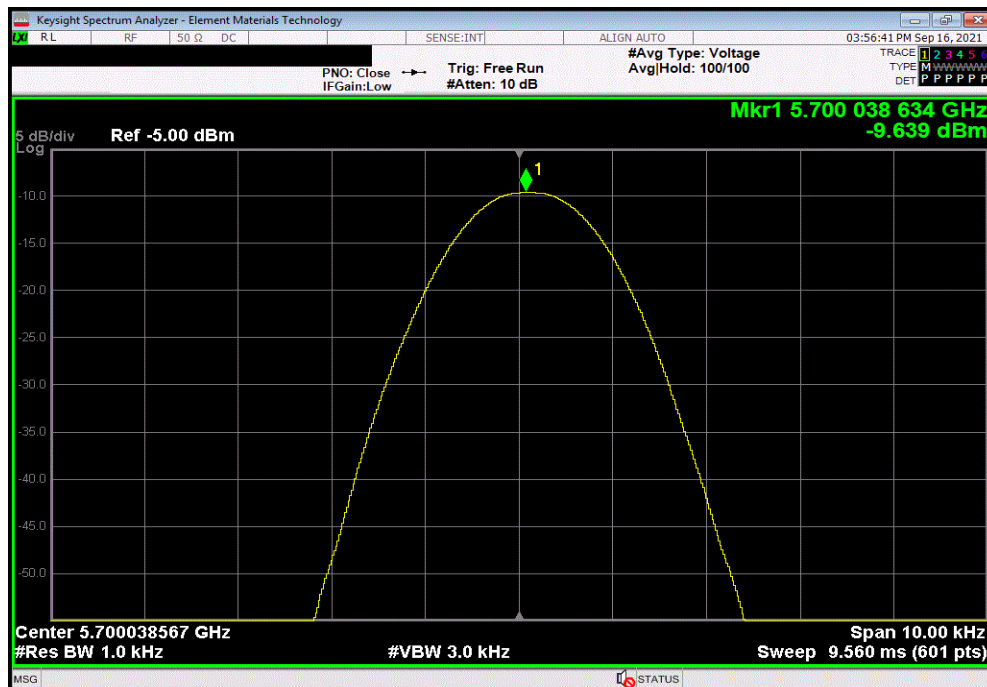


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Temperature: 0° |                      |             |             |         |  |
|---------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                          | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5700.03065                                                    | 5699.995133          | 6.2         | 100         | Pass    |  |



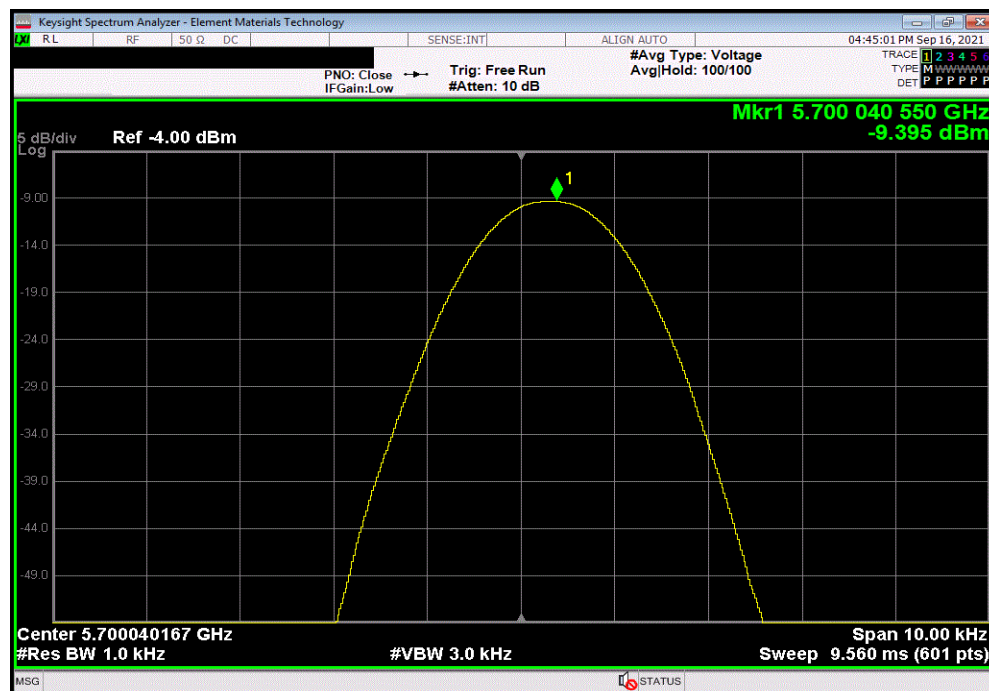
| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Temperature: -10° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5700.038634                                                     | 5699.995133          | 7.6         | 100         | Pass    |  |



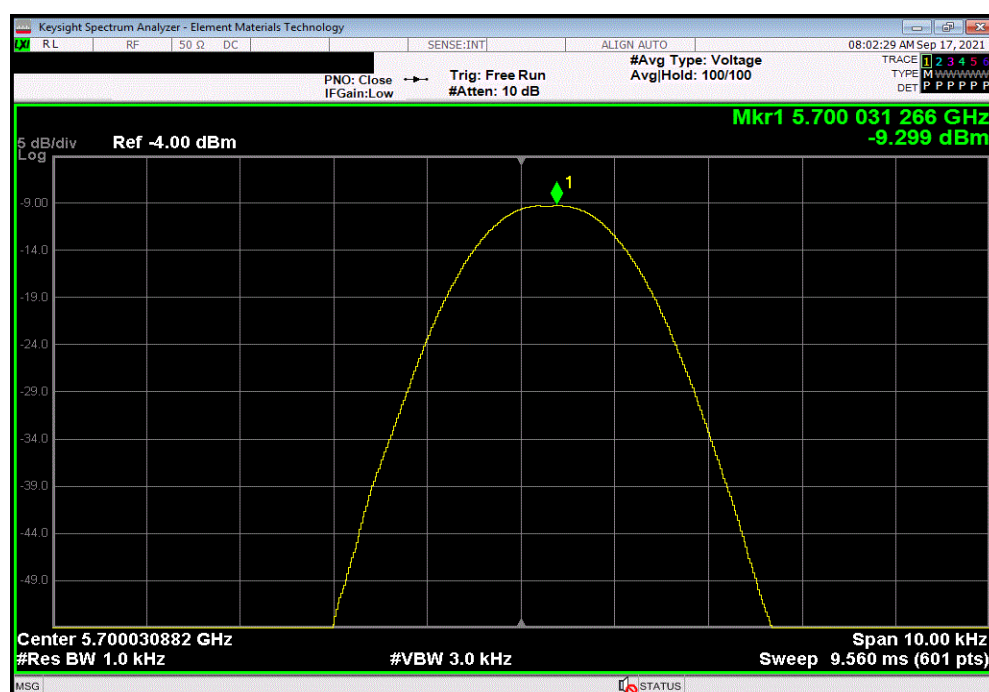


ThyTx 2021.02.19.1 YMit 2020.12.30.4

| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Temperature: -20° |                      |                            |             |             |         |  |
|-----------------------------------------------------------------|----------------------|----------------------------|-------------|-------------|---------|--|
|                                                                 | Measured Value (MHz) | Measured Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
|                                                                 | 5700.04055           | 5699.995133                | 8.0         | 100         | Pass    |  |



| 5470 MHz - 5725 MHz - High Channel, 5700 MHz, Temperature: -30° |                      |                            |             |             |         |
|-----------------------------------------------------------------|----------------------|----------------------------|-------------|-------------|---------|
|                                                                 | Measured Value (MHz) | Measured Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
|                                                                 | 5700.031266          | 5699.995133                | 6.3         | 100         | Pass    |

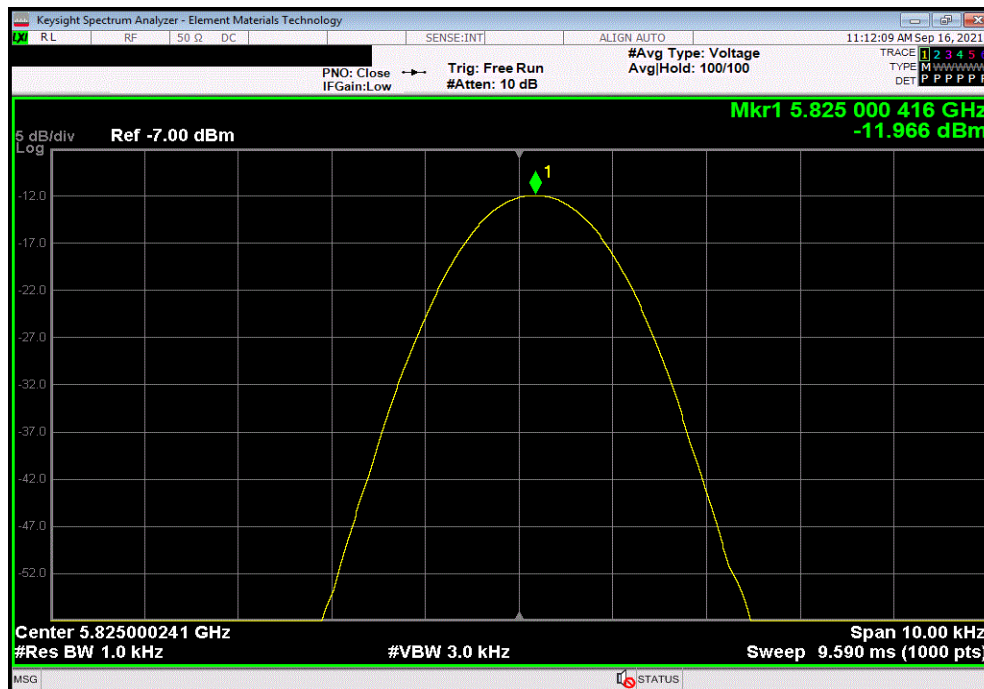


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

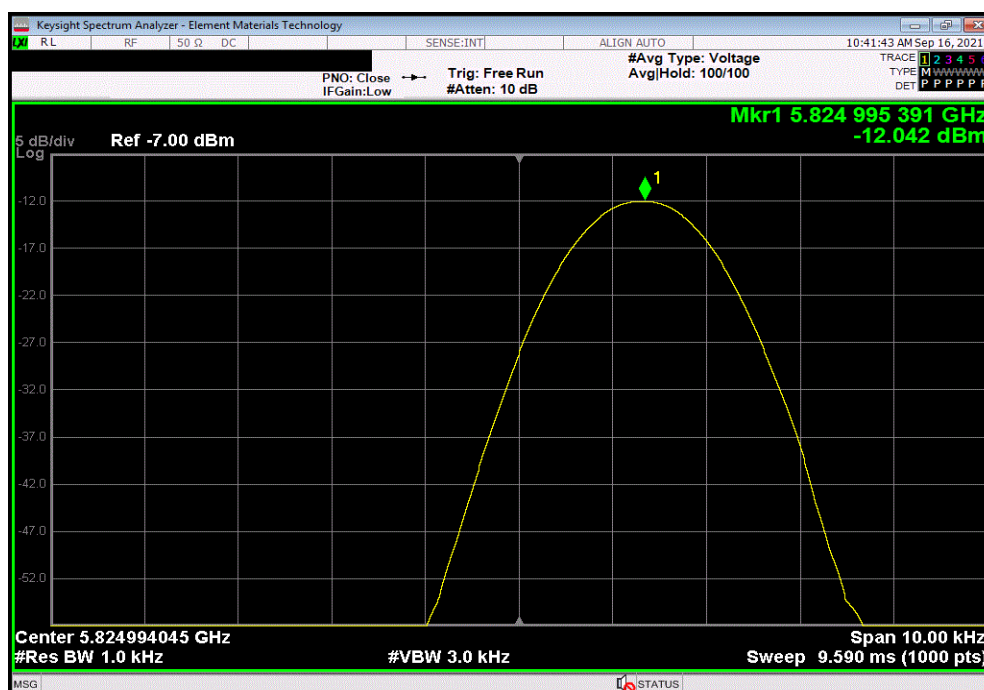


TbTtX 2021.03.19.1 XMt 2020.12.30.0

| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Voltage: 115%, 3.795 VDC |                      |                   |             |             |         |
|------------------------------------------------------------------------|----------------------|-------------------|-------------|-------------|---------|
| Measured Value (MHz)                                                   | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
| 5825.000416                                                            | 5824.995391          | 5824.995391       | 0.9         | 100         | Pass    |



| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Nominal Voltage: 100%, 3.3 VDC |                      |                   |             |             |         |
|------------------------------------------------------------------------------|----------------------|-------------------|-------------|-------------|---------|
| Measured Value (MHz)                                                         | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
| 5824.995391                                                                  | 5824.995391          | 5824.995391       | 0.0         | 100         | Pass    |

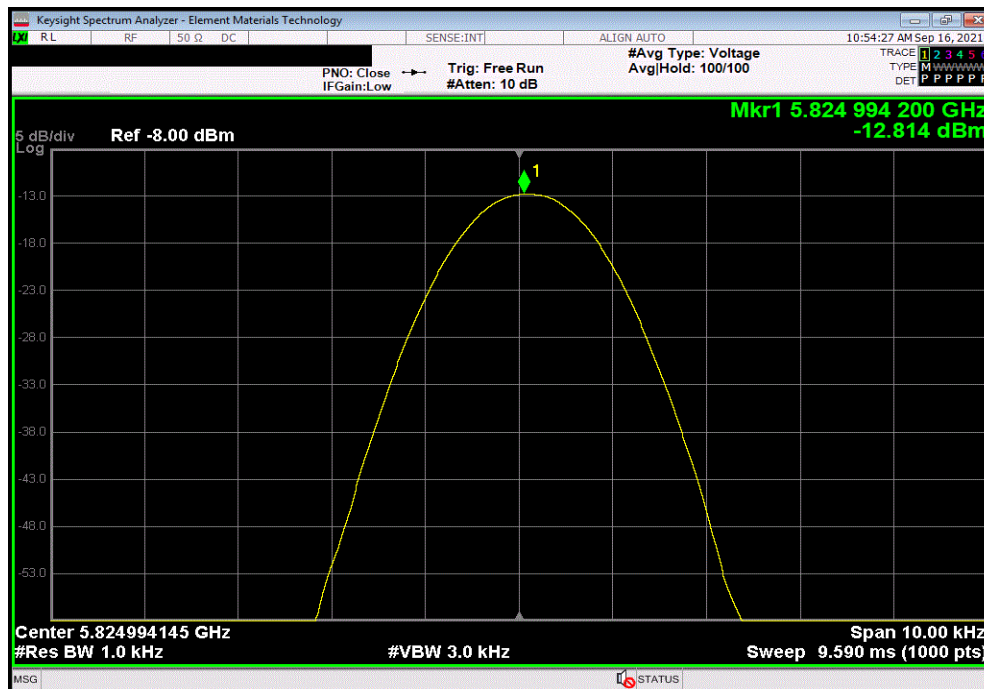


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

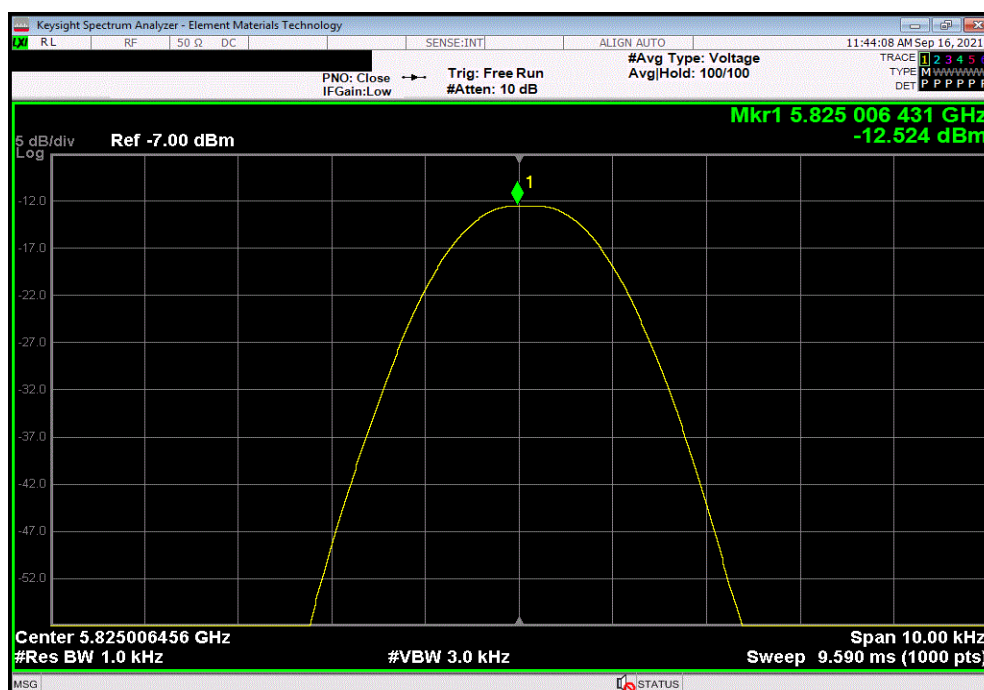


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Voltage: 85%, 2.805 VDC |                      |                   |             |             |         |
|-----------------------------------------------------------------------|----------------------|-------------------|-------------|-------------|---------|
| Measured Value (MHz)                                                  | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
| 5824.9942                                                             | 5824.995391          | 5824.995391       | 0.2         | 100         | Pass    |



| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Temperature: +50° |                      |                   |             |             |         |
|-----------------------------------------------------------------|----------------------|-------------------|-------------|-------------|---------|
| Measured Value (MHz)                                            | Measured Value (MHz) | Nomin Value (MHz) | Error (ppm) | Limit (ppm) | Results |
| 5825.006431                                                     | 5824.995391          | 5824.995391       | 1.9         | 100         | Pass    |

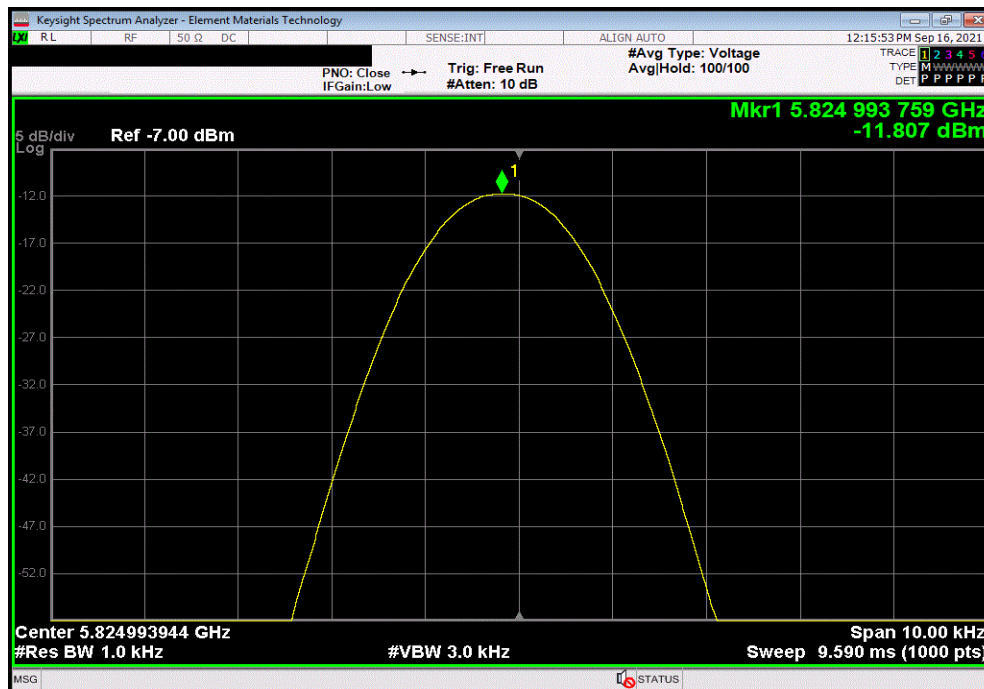


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

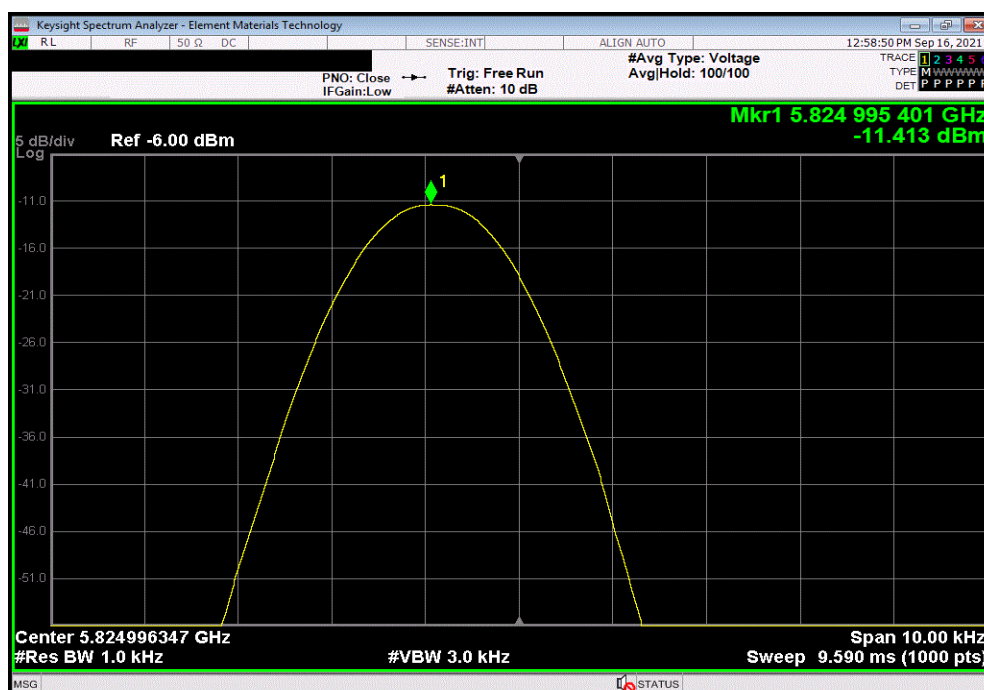


TbTtX 2021.03.19.1 XMt 2020.12.30.0

| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Temperature: +40° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5824.993759                                                     | 5824.995391          | 0.3         | 100         | Pass    |  |



| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Temperature: +30° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5824.995401                                                     | 5824.995391          | 0.0         | 100         | Pass    |  |

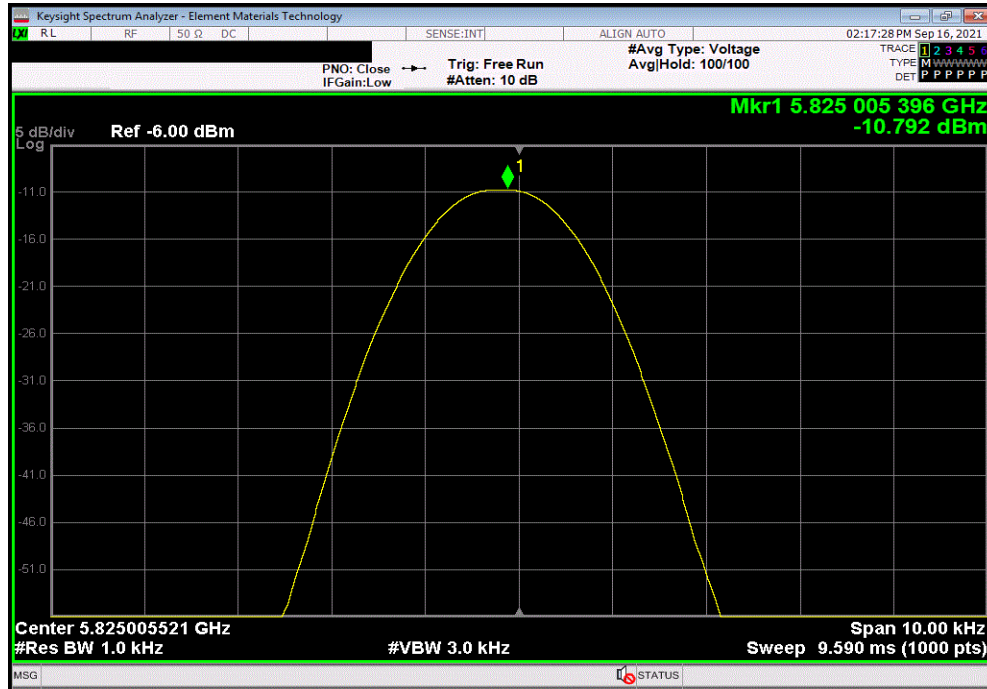


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

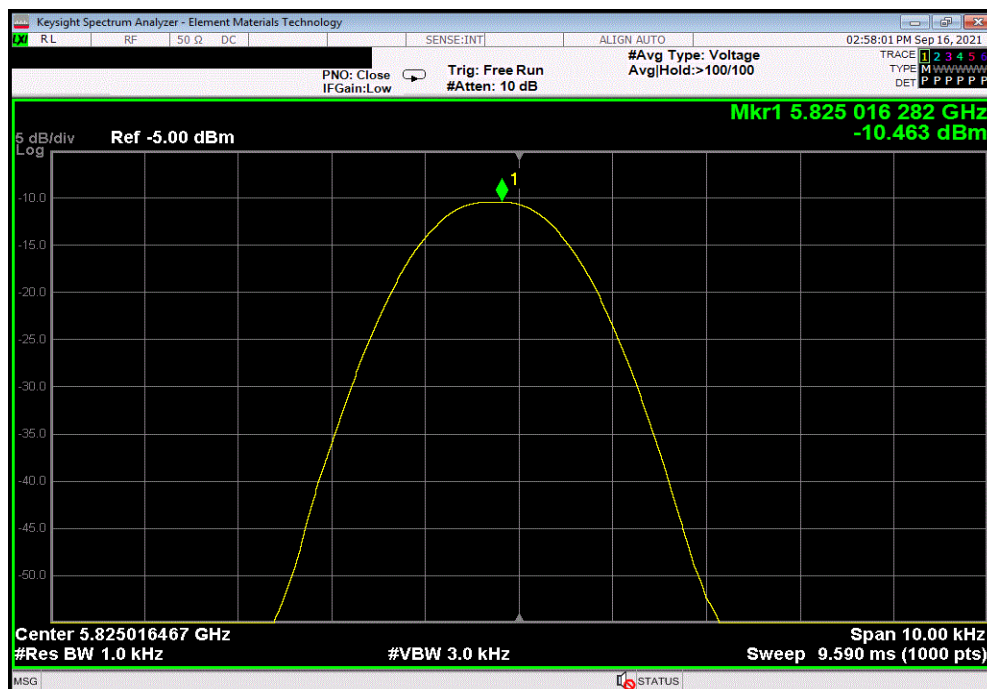


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Temperature: +20° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5825.005396                                                     | 5824.995391          | 1.7         | 100         | Pass    |  |



| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Temperature: +10° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5825.016282                                                     | 5824.995391          | 3.6         | 100         | Pass    |  |

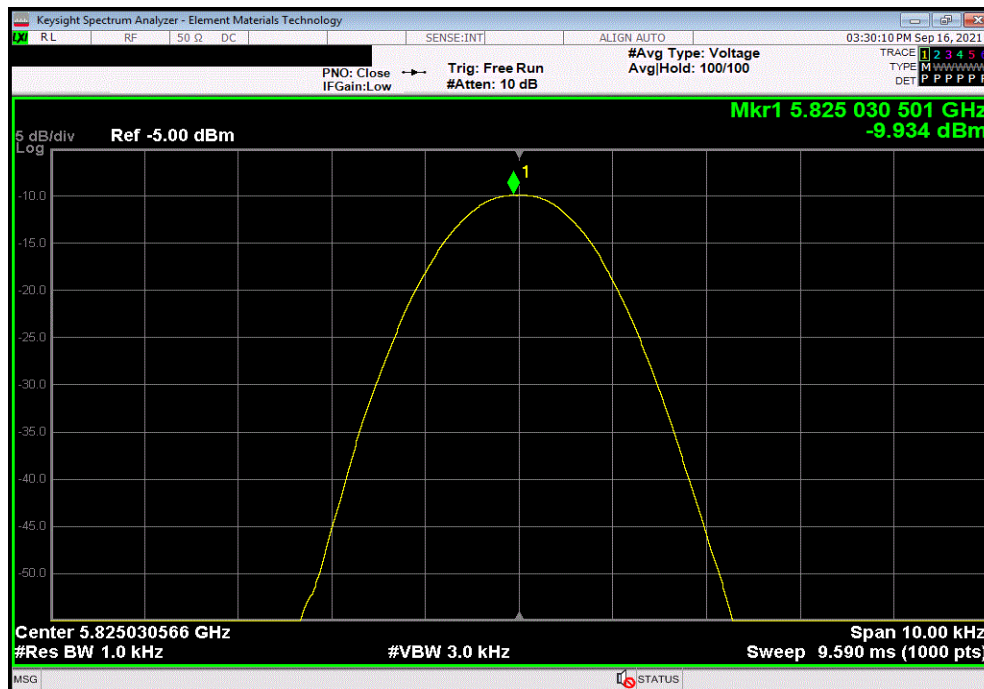


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

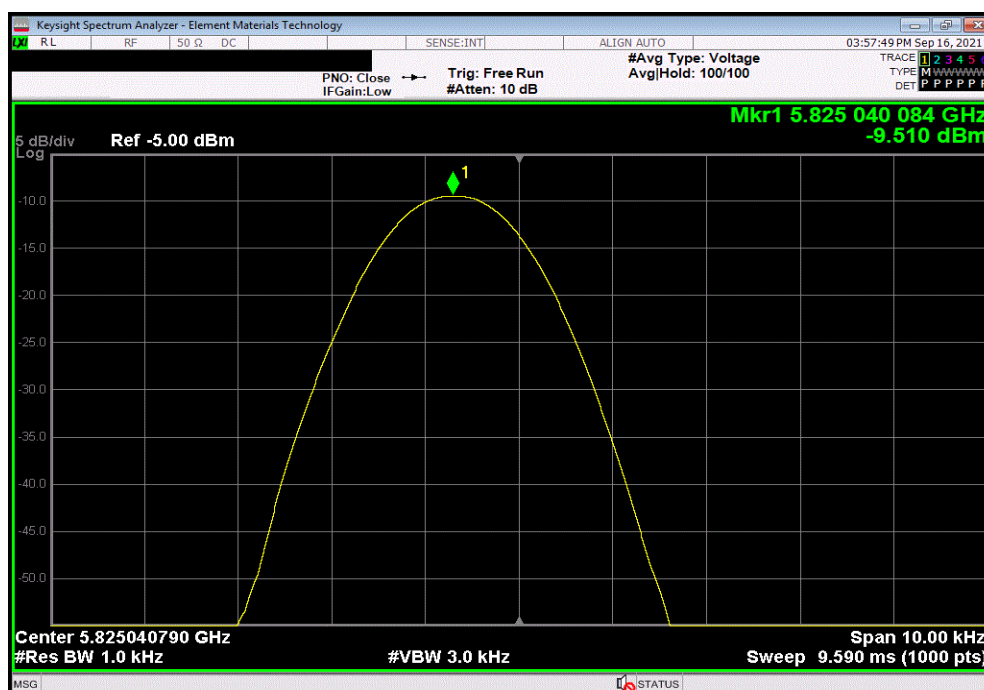


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Temperature: 0° |                      |                      |             |             |         |  |
|---------------------------------------------------------------|----------------------|----------------------|-------------|-------------|---------|--|
|                                                               | Measured Value (MHz) | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
|                                                               | 5825.030501          | 5824.995391          | 6.0         | 100         | Pass    |  |



| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Temperature: -10° |                      |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|----------------------|-------------|-------------|---------|--|
|                                                                 | Measured Value (MHz) | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
|                                                                 | 5825.040084          | 5824.995391          | 7.7         | 100         | Pass    |  |

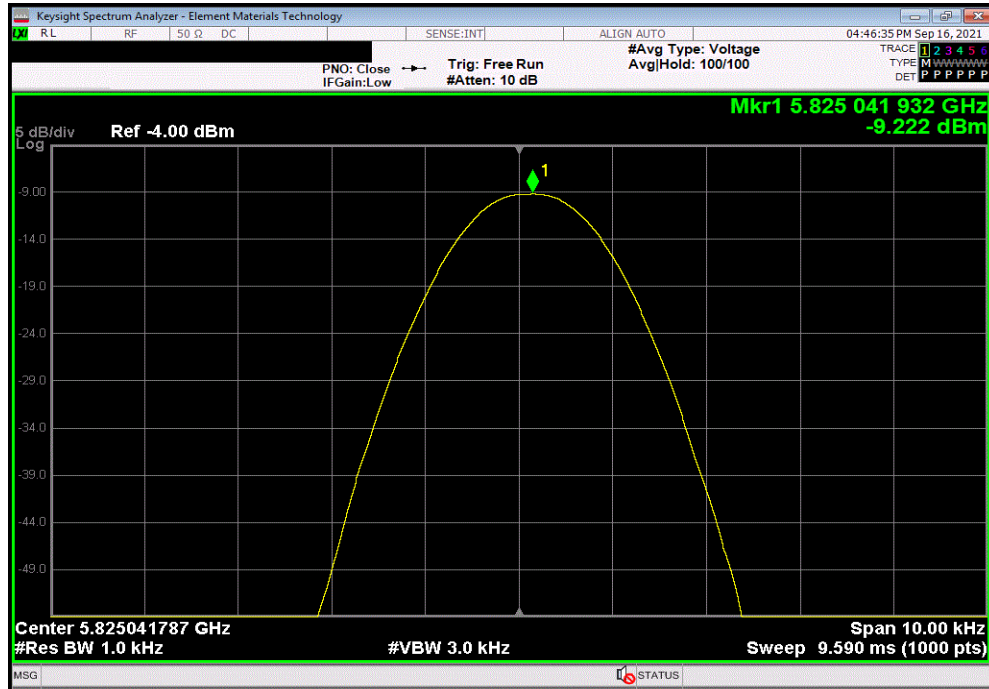


# FREQUENCY STABILITY - 5.3 GHz, 5.6 GHz, 5.8 GHz BAND

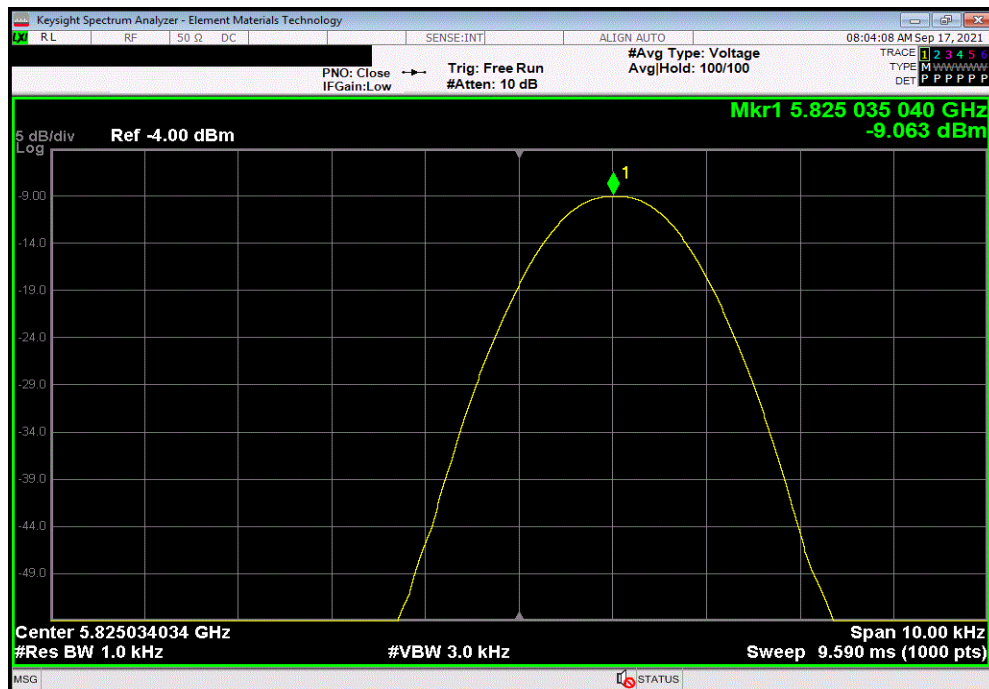


TbTtX 2021.03.19.1 XMt 2020.12.30.0

| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Temperature: -20° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5825.041932                                                     | 5824.995391          | 8.0         | 100         | Pass    |  |



| 5725 MHz - 5850 MHz - High Channel, 5825 MHz, Temperature: -30° |                      |             |             |         |  |
|-----------------------------------------------------------------|----------------------|-------------|-------------|---------|--|
| Measured Value (MHz)                                            | Measured Value (MHz) | Error (ppm) | Limit (ppm) | Results |  |
| 5825.03504                                                      | 5824.995391          | 6.8         | 100         | Pass    |  |



# DUTY CYCLE - 5.2 GHz BAND



XMIT 2020.12.30.0

Testing was performed using the mode(s) of operation and configuration(s) noted within the report. The individuals and/or the organization requesting the test provided the modes, configurations and settings used to complete the evaluation. The actual test parameters are specified in the test data, this includes items such as investigated frequency range (scanned) and test levels. The testing methods and performance specifications, as well as the test site used for the evaluation are indicated in the test data.

## TEST EQUIPMENT

| Description                  | Manufacturer       | Model                 | ID  | Last Cal.  | Cal. Due   |
|------------------------------|--------------------|-----------------------|-----|------------|------------|
| Generator - Signal           | Keysight           | N5182B                | TFU | 2020-11-20 | 2022-11-20 |
| Cable                        | Micro-Coax         | UFD150A-1-0720-200200 | EVH | 2021-03-14 | 2022-03-14 |
| Attenuator                   | S.M. Electronics   | SA26B-20              | AUY | 2021-03-14 | 2022-03-14 |
| Block - DC                   | Fairview Microwave | SD3379                | AMW | 2021-03-14 | 2022-03-14 |
| Analyzer - Spectrum Analyzer | Agilent            | E4440A                | AFE | 2021-04-08 | 2022-04-08 |

## TEST DESCRIPTION

Per ANSI C63.10, all measurements are to be performed with the EUT operating at 100% duty cycle at its maximum power level. In the event the EUT cannot be operated at 100% duty cycle, the transmission pulse duration (T) and Duty Cycle (x) are required to be measured for each of the EUT operating modes.

The measurements were made using a zero span on the spectrum analyzer to see the pulses in the time domain. The transmit power was set to its default maximum.

The duty cycle was calculated by dividing the transmission pulse duration (T) by the total period of a single on and total off time.

If the transmit duty cycle < 98 percent, a duty cycle correction factor in dB can be calculated to add to power measurements if required in the test method guidance using the following formula

$$10 * \text{LOG} (1/D) = \text{dB}$$

Where D is duty cycle of the radio transmissions

# DUTY CYCLE - 5.2 GHz BAND



TWtX 2021.03.19.1 XMt 2020.12.30.0

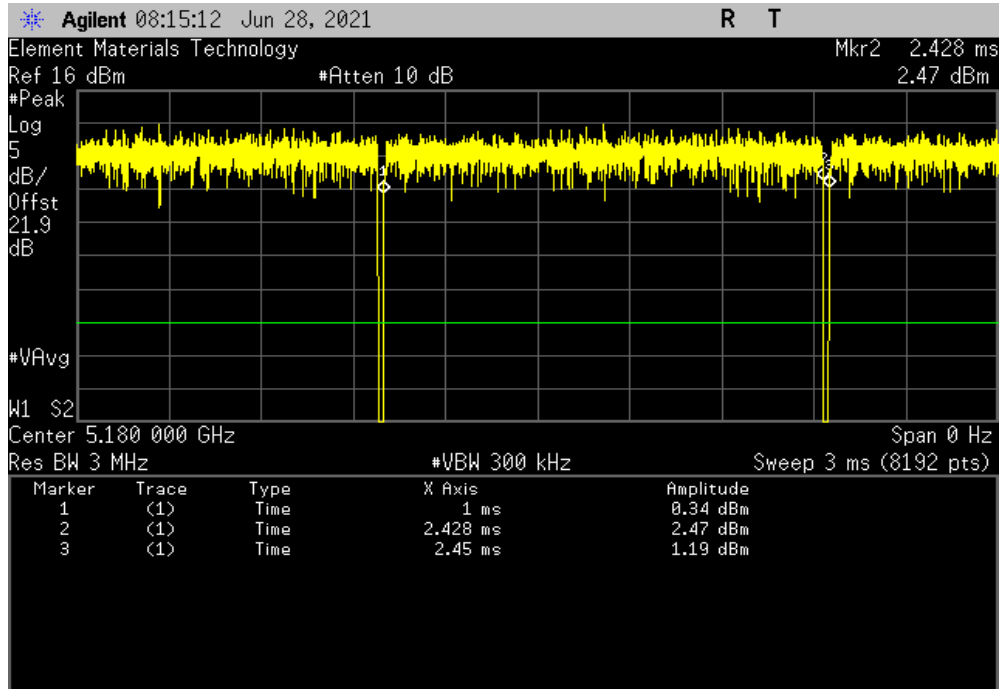
|                                                                            |                                 |                                                                                             |                             |                  |           |                 |         |
|----------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------------------------------------|-----------------------------|------------------|-----------|-----------------|---------|
| EUT: 43.0536.00                                                            |                                 |                                                                                             | Work Order: A-DE0162        |                  |           |                 |         |
| Serial Number: SN001 00003                                                 |                                 |                                                                                             | Date: 28-Jun-21             |                  |           |                 |         |
| Customer: A-dec, Inc.                                                      |                                 |                                                                                             | Temperature: 25.2 °C        |                  |           |                 |         |
| Attendees: Zach Lyda                                                       |                                 |                                                                                             | Humidity: 48.7% RH          |                  |           |                 |         |
| Project: None                                                              |                                 |                                                                                             | Barometric Pres.: 1006 mbar |                  |           |                 |         |
| Tested by: Jeff Alcoke                                                     |                                 | Power: 3.3 VDC via 110VAC/60Hz                                                              | Job Site: EV06              |                  |           |                 |         |
| TEST SPECIFICATIONS                                                        |                                 | Test Method                                                                                 |                             |                  |           |                 |         |
| FCC 15.407:2021                                                            |                                 | ANSI C63.10:2013                                                                            |                             |                  |           |                 |         |
| COMMENTS                                                                   |                                 |                                                                                             |                             |                  |           |                 |         |
| Reference level offset: DC Block, 20 dB attenuator, and measurement cable. |                                 |                                                                                             |                             |                  |           |                 |         |
| DEVIATIONS FROM TEST STANDARD                                              |                                 |                                                                                             |                             |                  |           |                 |         |
| None                                                                       |                                 |                                                                                             |                             |                  |           |                 |         |
| Configuration #                                                            | 1                               | Signature  |                             |                  |           |                 |         |
|                                                                            |                                 | Pulse Width                                                                                 | Period                      | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
| 20 MHz                                                                     |                                 |                                                                                             |                             |                  |           |                 |         |
| 802.11(a) 6 Mbps                                                           |                                 |                                                                                             |                             |                  |           |                 |         |
|                                                                            | Ch 36, Low Channel 5180 MHz     | 1.428 ms                                                                                    | 1.449 ms                    | 1                | 98.5      | N/A             | N/A     |
|                                                                            | Ch 36, Low Channel 5180 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | 1.428 ms                                                                                    | 1.449 ms                    | 1                | 98.5      | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | 1.428 ms                                                                                    | 1.449 ms                    | 1                | 98.6      | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
| 802.11(a) 36 Mbps                                                          |                                 |                                                                                             |                             |                  |           |                 |         |
|                                                                            | Ch 36, Low Channel 5180 MHz     | 257.2 us                                                                                    | 277.1 us                    | 1                | 92.8      | N/A             | N/A     |
|                                                                            | Ch 36, Low Channel 5180 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | 257.1 us                                                                                    | 277.2 us                    | 1                | 92.7      | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | 257.3 us                                                                                    | 277.3 us                    | 1                | 92.8      | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
| 802.11(a) 54 Mbps                                                          |                                 |                                                                                             |                             |                  |           |                 |         |
|                                                                            | Ch 36, Low Channel 5180 MHz     | 180.822 us                                                                                  | 201.149 us                  | 1                | 89.9      | N/A             | N/A     |
|                                                                            | Ch 36, Low Channel 5180 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | 180.822 us                                                                                  | 201.21 us                   | 1                | 89.9      | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | 180.822 us                                                                                  | 201.21 us                   | 1                | 89.9      | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
| 802.11(n) MCS0                                                             |                                 |                                                                                             |                             |                  |           |                 |         |
|                                                                            | Ch 36, Low Channel 5180 MHz     | 1.344 ms                                                                                    | 1.366 ms                    | 1                | 98.4      | N/A             | N/A     |
|                                                                            | Ch 36, Low Channel 5180 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | 1.344 ms                                                                                    | 1.364 ms                    | 1                | 98.5      | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | 1.344 ms                                                                                    | 1.366 ms                    | 1                | 98.4      | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
| 802.11(n) MCS7                                                             |                                 |                                                                                             |                             |                  |           |                 |         |
|                                                                            | Ch 36, Low Channel 5180 MHz     | 172.754 us                                                                                  | 193.315 us                  | 1                | 89.4      | N/A             | N/A     |
|                                                                            | Ch 36, Low Channel 5180 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | 172.815 us                                                                                  | 193.415 us                  | 1                | 89.3      | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | 172.865 us                                                                                  | 193.132 us                  | 1                | 89.5      | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
| 802.11(ac) MCS8 (256-QAM)                                                  |                                 |                                                                                             |                             |                  |           |                 |         |
|                                                                            | Ch 36, Low Channel 5180 MHz     | 152.931 us                                                                                  | 173.06 us                   | 1                | 88.4      | N/A             | N/A     |
|                                                                            | Ch 36, Low Channel 5180 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | 152.909 us                                                                                  | 173.182 us                  | 1                | 88.3      | N/A             | N/A     |
|                                                                            | Ch 40, Mid Channel 5200 MHz     | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | 152.877 us                                                                                  | 173.06 us                   | 1                | 88.3      | N/A             | N/A     |
|                                                                            | Ch 48, High Channel 5240 MHz    | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
| 40 MHz                                                                     |                                 |                                                                                             |                             |                  |           |                 |         |
| 802.11(n) MCS0                                                             |                                 |                                                                                             |                             |                  |           |                 |         |
|                                                                            | Ch 36/40, Low Channel 5190 MHz  | 670.15 us                                                                                   | 689.009 us                  | 1                | 97.3      | N/A             | N/A     |
|                                                                            | Ch 36/40, Low Channel 5190 MHz  | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 44/48, High Channel 5230 MHz | 670.297 us                                                                                  | 689.338 us                  | 1                | 97.2      | N/A             | N/A     |
|                                                                            | Ch 44/48, High Channel 5230 MHz | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
| 802.11(n) MCS7                                                             |                                 |                                                                                             |                             |                  |           |                 |         |
|                                                                            | Ch 36/40, Low Channel 5190 MHz  | 106.585 us                                                                                  | 125.053 us                  | 1                | 85.2      | N/A             | N/A     |
|                                                                            | Ch 36/40, Low Channel 5190 MHz  | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 44/48, High Channel 5230 MHz | 106.524 us                                                                                  | 125.075 us                  | 1                | 85.2      | N/A             | N/A     |
|                                                                            | Ch 44/48, High Channel 5230 MHz | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
| 802.11(ac) MCS9 (256-QAM)                                                  |                                 |                                                                                             |                             |                  |           |                 |         |
|                                                                            | Ch 36/40, Low Channel 5190 MHz  | 90.566 us                                                                                   | 108.739 us                  | 1                | 83.3      | N/A             | N/A     |
|                                                                            | Ch 36/40, Low Channel 5190 MHz  | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
|                                                                            | Ch 44/48, High Channel 5230 MHz | 90.396 us                                                                                   | 108.749 us                  | 1                | 83.1      | N/A             | N/A     |
|                                                                            | Ch 44/48, High Channel 5230 MHz | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
| 80 MHz                                                                     |                                 |                                                                                             |                             |                  |           |                 |         |
| 802.11(ac) MCS0                                                            |                                 |                                                                                             |                             |                  |           |                 |         |
|                                                                            | Ch 36-48, Low Channel 5210 MHz  | 334.9 us                                                                                    | 352.9 us                    | 1                | 94.9      | N/A             | N/A     |
|                                                                            | Ch 36-48, Low Channel 5210 MHz  | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |
| 802.11(ac) MCS9 (256-QAM)                                                  |                                 |                                                                                             |                             |                  |           |                 |         |
|                                                                            | Ch 36-48, Low Channel 5210 MHz  | 66.337 us                                                                                   | 84.818 us                   | 1                | 78.2      | N/A             | N/A     |
|                                                                            | Ch 36-48, Low Channel 5210 MHz  | N/A                                                                                         | N/A                         | 5                | N/A       | N/A             | N/A     |

# DUTY CYCLE - 5.2 GHz BAND

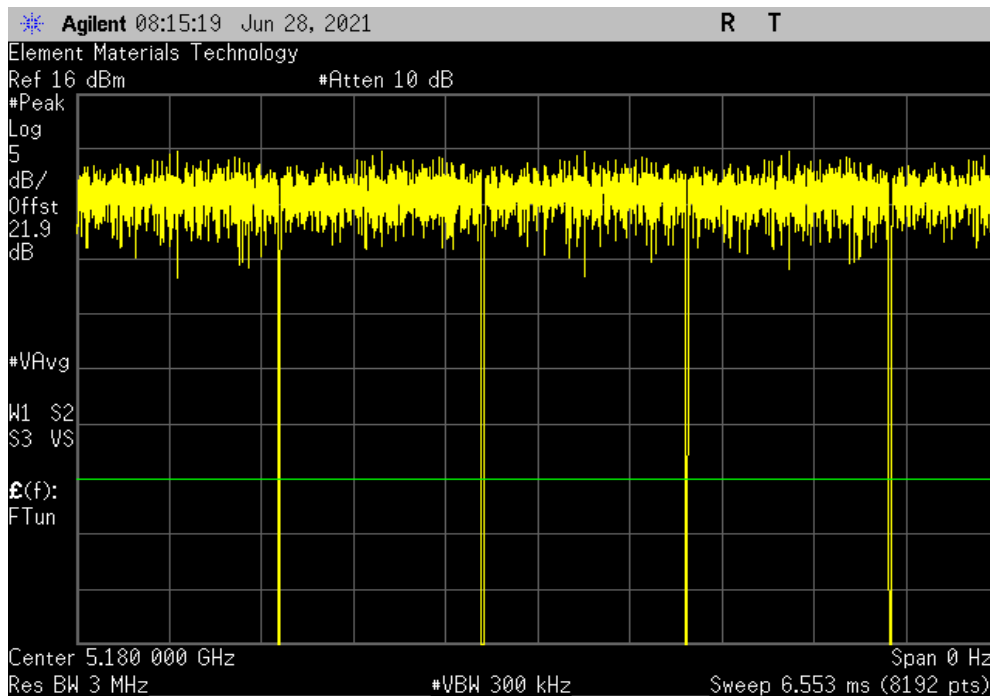


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 20 MHz, 802.11(a) 6 Mbps, Ch 36, Low Channel 5180 MHz |             |          |                  |           |                 |         |
|-------------------------------------------------------|-------------|----------|------------------|-----------|-----------------|---------|
|                                                       | Pulse Width | Period   | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                       | 1.428 ms    | 1.449 ms | 1                | 98.5      | N/A             | N/A     |



| 20 MHz, 802.11(a) 6 Mbps, Ch 36, Low Channel 5180 MHz |             |        |                  |           |                 |         |
|-------------------------------------------------------|-------------|--------|------------------|-----------|-----------------|---------|
|                                                       | Pulse Width | Period | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                       | N/A         | N/A    | 5                | N/A       | N/A             | N/A     |

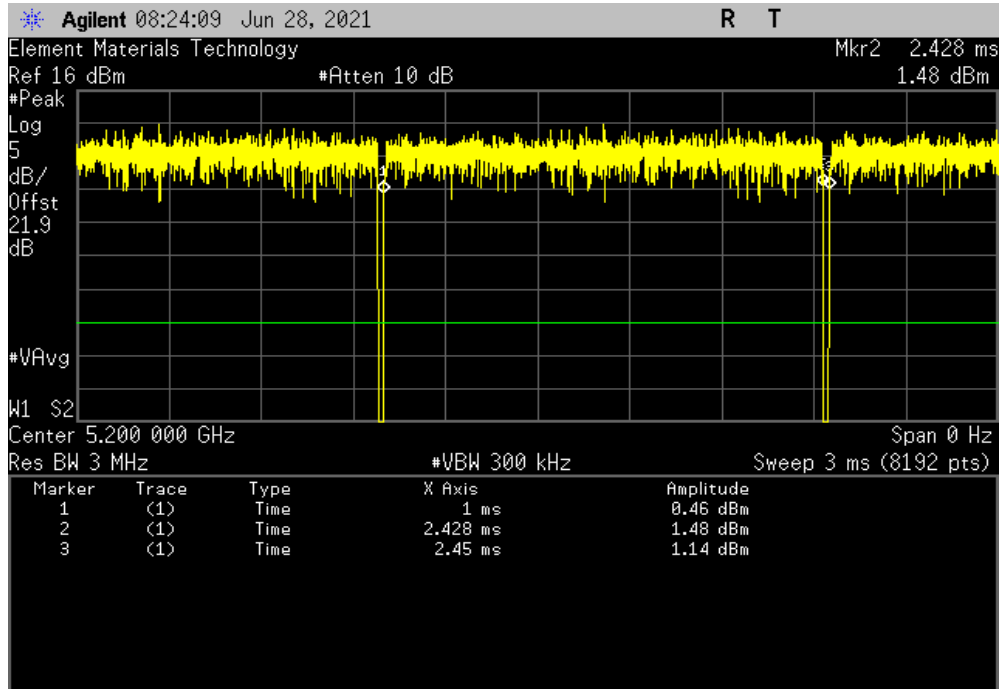


# DUTY CYCLE - 5.2 GHz BAND

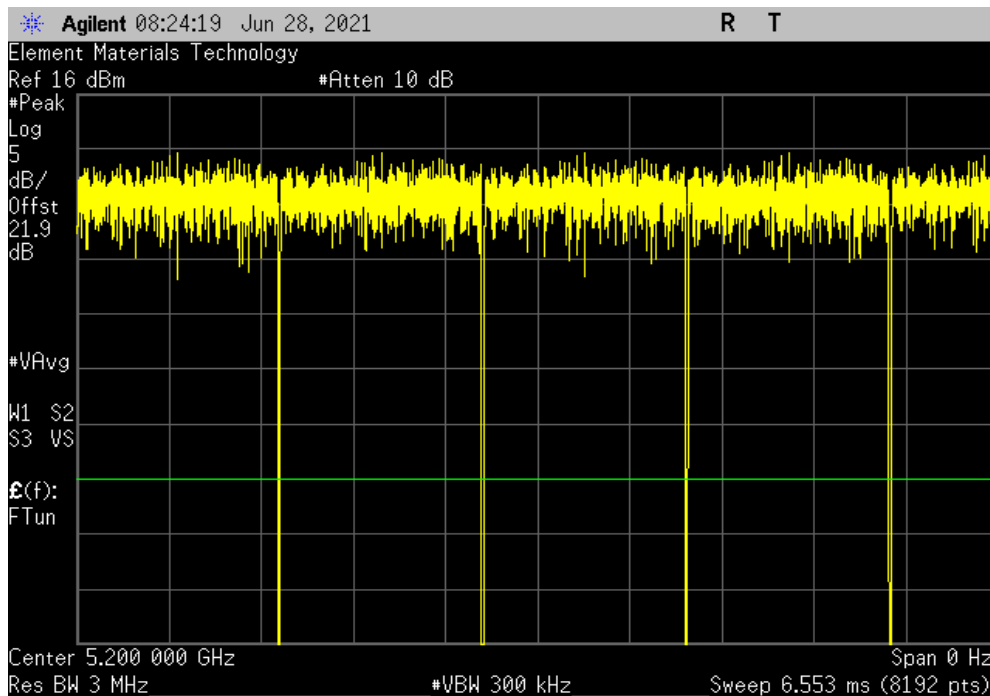


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(a) 6 Mbps, Ch 40, Mid Channel 5200 MHz |             |          |                  |           |                 |         |
|-------------------------------------------------------|-------------|----------|------------------|-----------|-----------------|---------|
|                                                       | Pulse Width | Period   | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                       | 1.428 ms    | 1.449 ms | 1                | 98.5      | N/A             | N/A     |



| 20 MHz, 802.11(a) 6 Mbps, Ch 40, Mid Channel 5200 MHz |             |        |                  |           |                 |         |
|-------------------------------------------------------|-------------|--------|------------------|-----------|-----------------|---------|
|                                                       | Pulse Width | Period | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                       | N/A         | N/A    | 5                | N/A       | N/A             | N/A     |

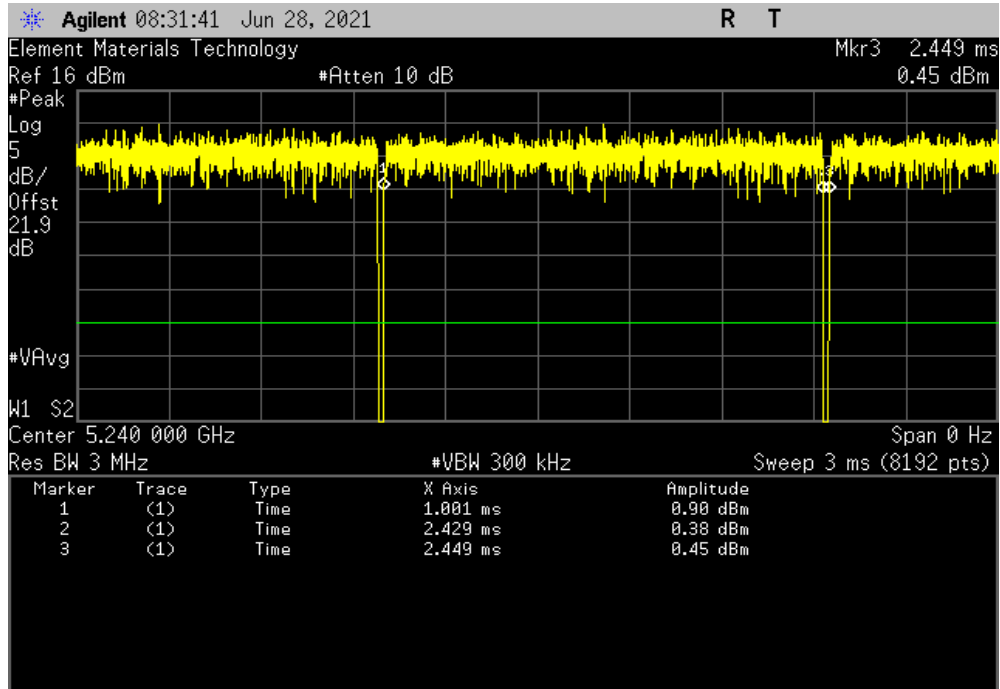


# DUTY CYCLE - 5.2 GHz BAND

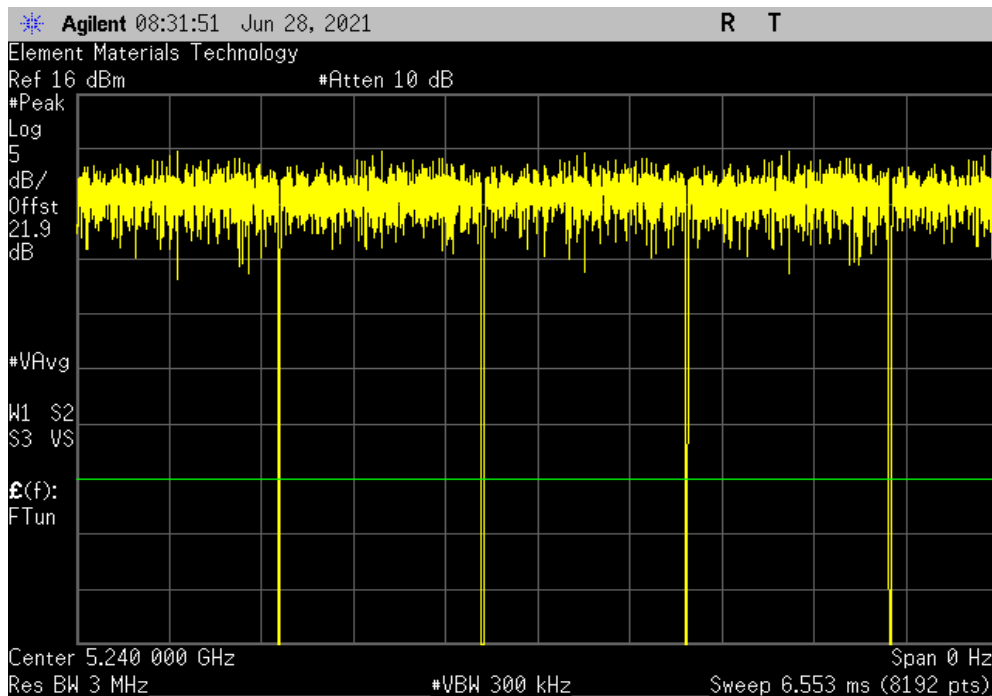


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 20 MHz, 802.11(a) 6 Mbps, Ch 48, High Channel 5240 MHz |             |          |                  |           |                 |         |
|--------------------------------------------------------|-------------|----------|------------------|-----------|-----------------|---------|
|                                                        | Pulse Width | Period   | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                        | 1.428 ms    | 1.449 ms | 1                | 98.6      | N/A             | N/A     |



| 20 MHz, 802.11(a) 6 Mbps, Ch 48, High Channel 5240 MHz |             |        |                  |           |                 |         |
|--------------------------------------------------------|-------------|--------|------------------|-----------|-----------------|---------|
|                                                        | Pulse Width | Period | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                        | N/A         | N/A    | 5                | N/A       | N/A             | N/A     |

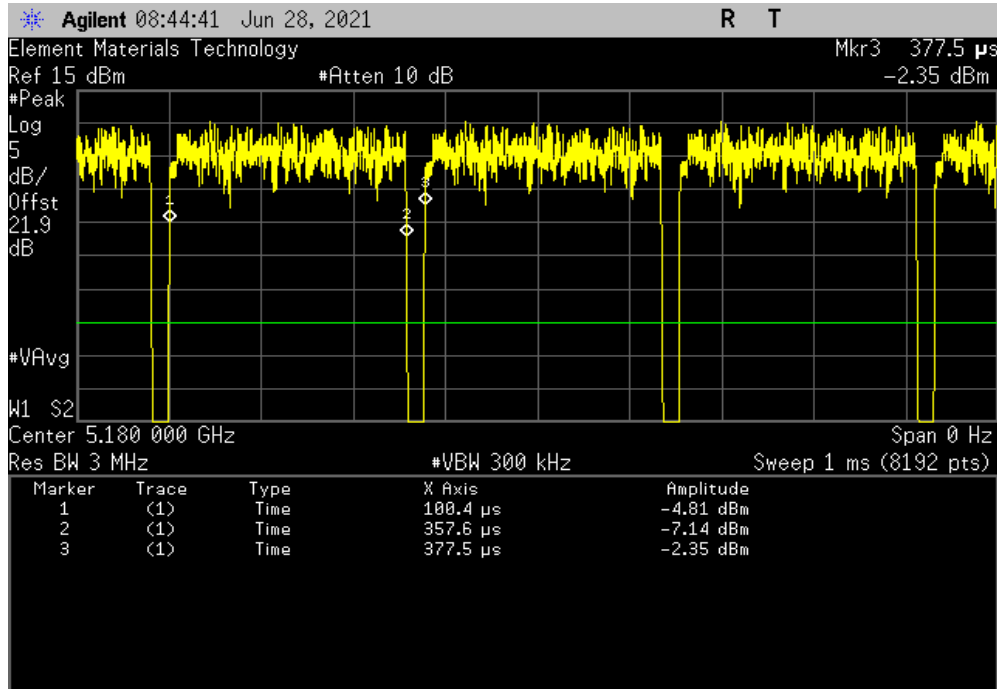


# DUTY CYCLE - 5.2 GHz BAND

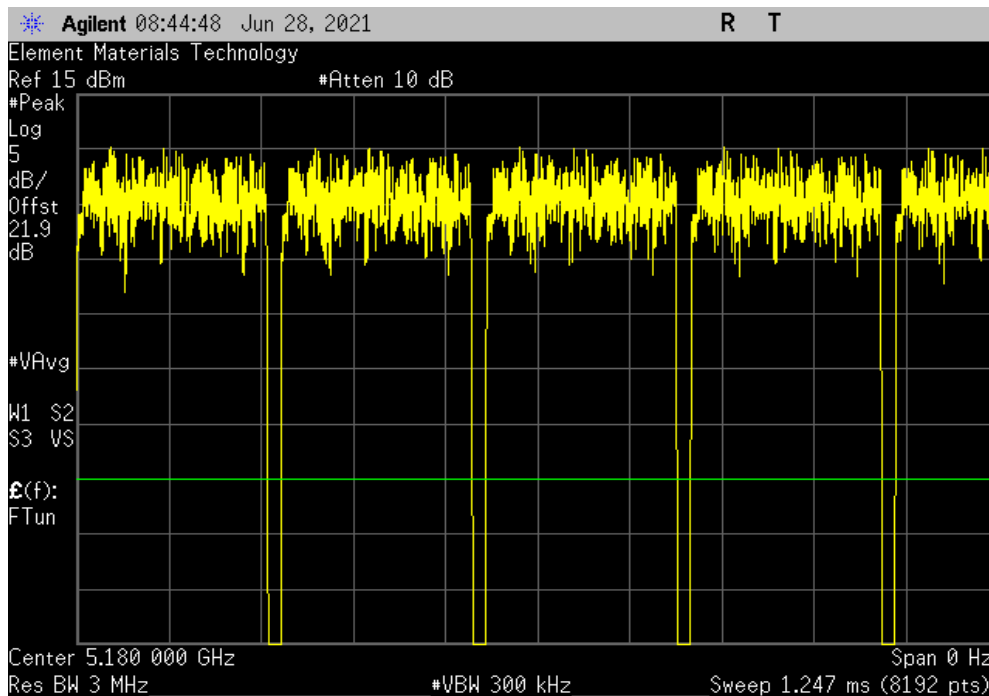


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(a) 36 Mbps, Ch 36, Low Channel 5180 MHz |             |          |                  |           |                 |         |
|--------------------------------------------------------|-------------|----------|------------------|-----------|-----------------|---------|
|                                                        | Pulse Width | Period   | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                        | 257.2 us    | 277.1 us | 1                | 92.8      | N/A             | N/A     |



| 20 MHz, 802.11(a) 36 Mbps, Ch 36, Low Channel 5180 MHz |             |        |                  |           |                 |         |
|--------------------------------------------------------|-------------|--------|------------------|-----------|-----------------|---------|
|                                                        | Pulse Width | Period | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                        | N/A         | N/A    | 5                | N/A       | N/A             | N/A     |

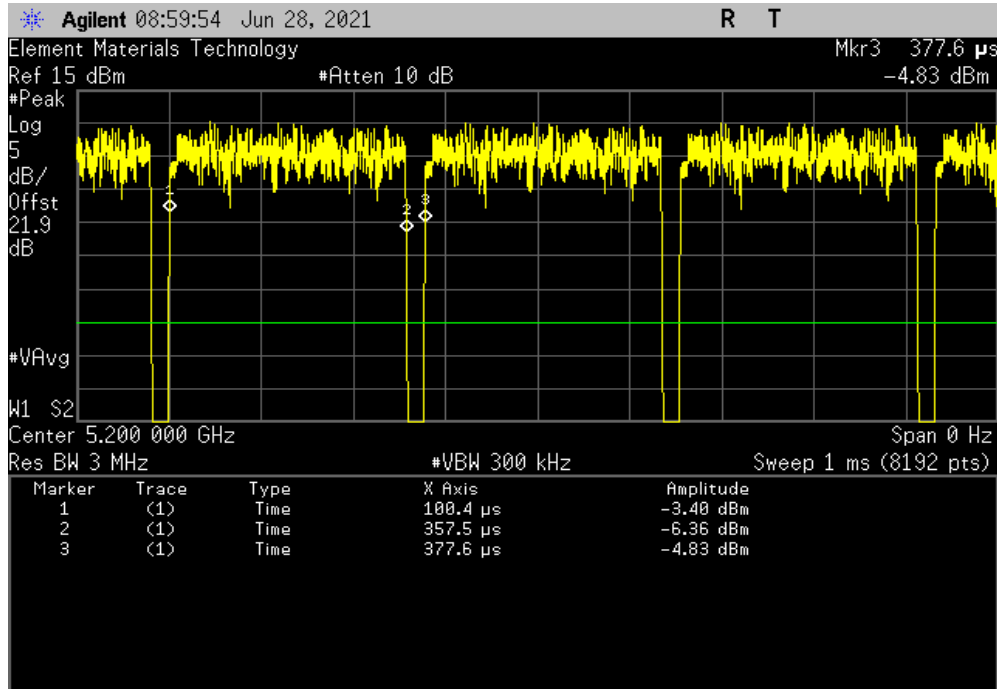


# DUTY CYCLE - 5.2 GHz BAND

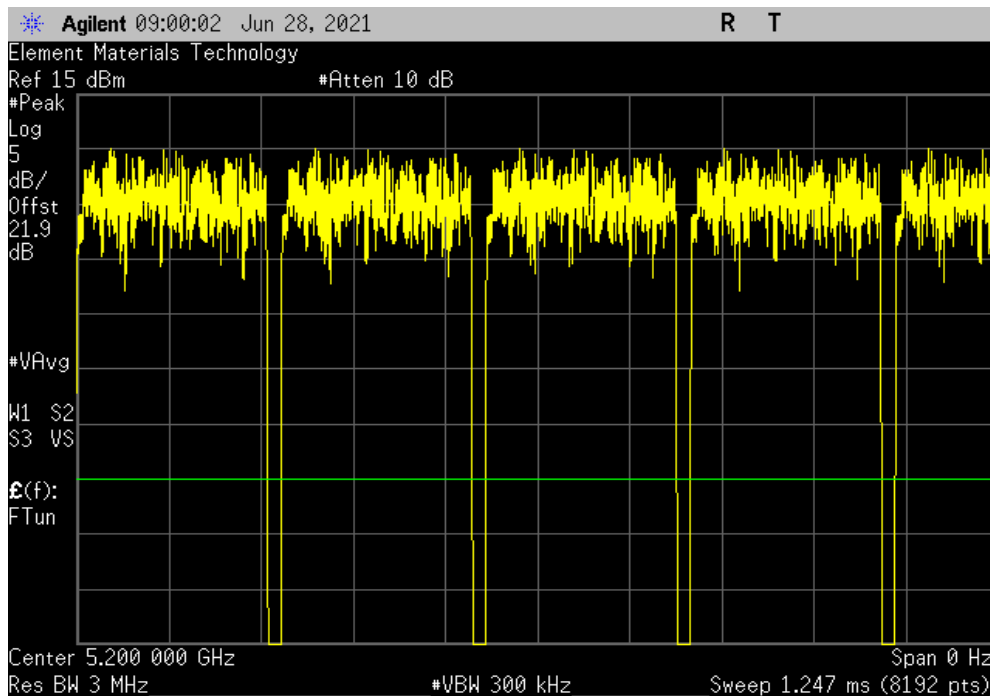


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(a) 36 Mbps, Ch 40, Mid Channel 5200 MHz |          |                  |           |           |         |  |
|--------------------------------------------------------|----------|------------------|-----------|-----------|---------|--|
| Pulse Width                                            | Period   | Number of Pulses | Value (%) | Limit     | Results |  |
| 257.1 us                                               | 277.2 us | 1                | 92.7      | N/A (N/A) | N/A     |  |



| 20 MHz, 802.11(a) 36 Mbps, Ch 40, Mid Channel 5200 MHz |        |                  |           |           |         |  |
|--------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                            | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                    | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

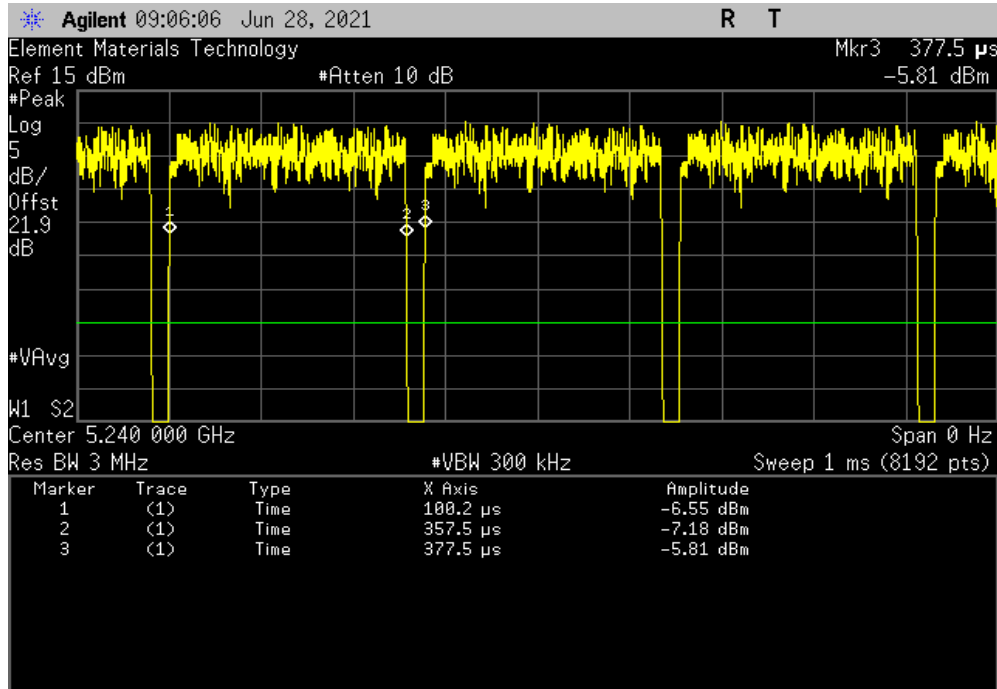


# DUTY CYCLE - 5.2 GHz BAND

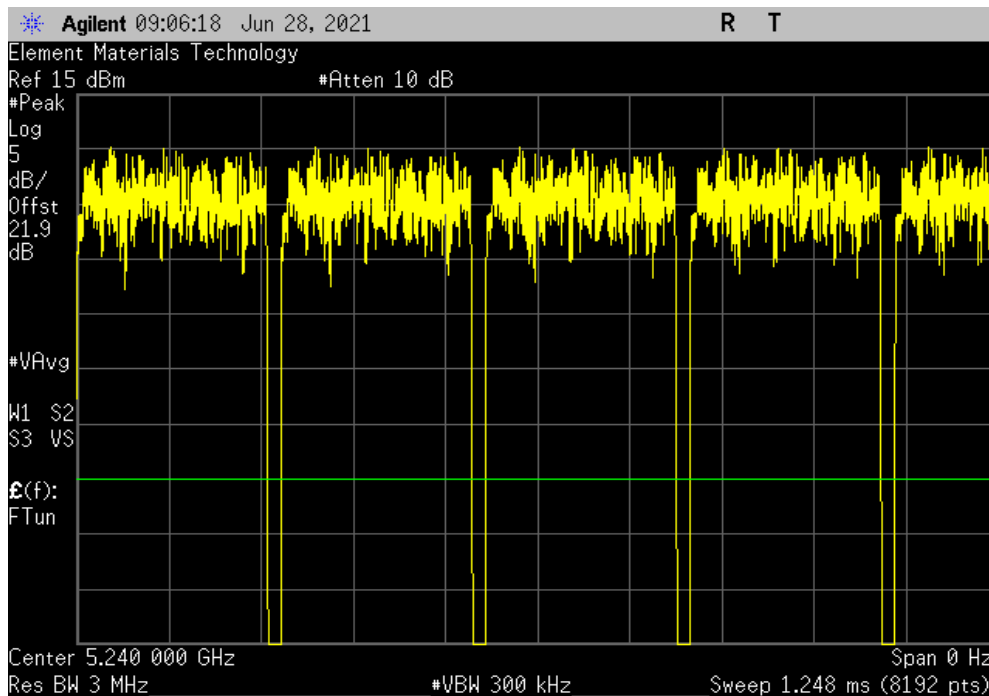


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(a) 36 Mbps, Ch 48, High Channel 5240 MHz |          |                  |           |           |         |  |
|---------------------------------------------------------|----------|------------------|-----------|-----------|---------|--|
| Pulse Width                                             | Period   | Number of Pulses | Value (%) | Limit     | Results |  |
| 257.3 us                                                | 277.3 us | 1                | 92.8      | N/A (N/A) | N/A     |  |



| 20 MHz, 802.11(a) 36 Mbps, Ch 48, High Channel 5240 MHz |        |                  |           |           |         |  |
|---------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                             | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                     | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

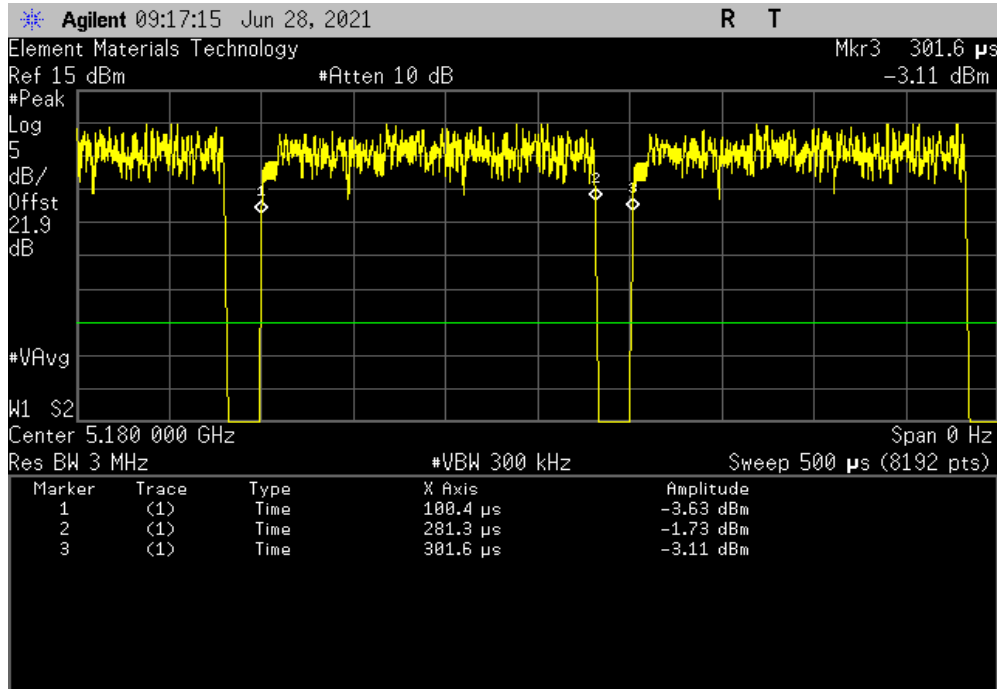


# DUTY CYCLE - 5.2 GHz BAND



TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(a) 54 Mbps, Ch 36, Low Channel 5180 MHz |             |            |                  |           |                 |         |
|--------------------------------------------------------|-------------|------------|------------------|-----------|-----------------|---------|
|                                                        | Pulse Width | Period     | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                        | 180.822 us  | 201.149 us | 1                | 89.9      | N/A             | N/A     |



| 20 MHz, 802.11(a) 54 Mbps, Ch 36, Low Channel 5180 MHz |             |        |                  |           |                 |         |
|--------------------------------------------------------|-------------|--------|------------------|-----------|-----------------|---------|
|                                                        | Pulse Width | Period | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                        | N/A         | N/A    | 5                | N/A       | N/A             | N/A     |

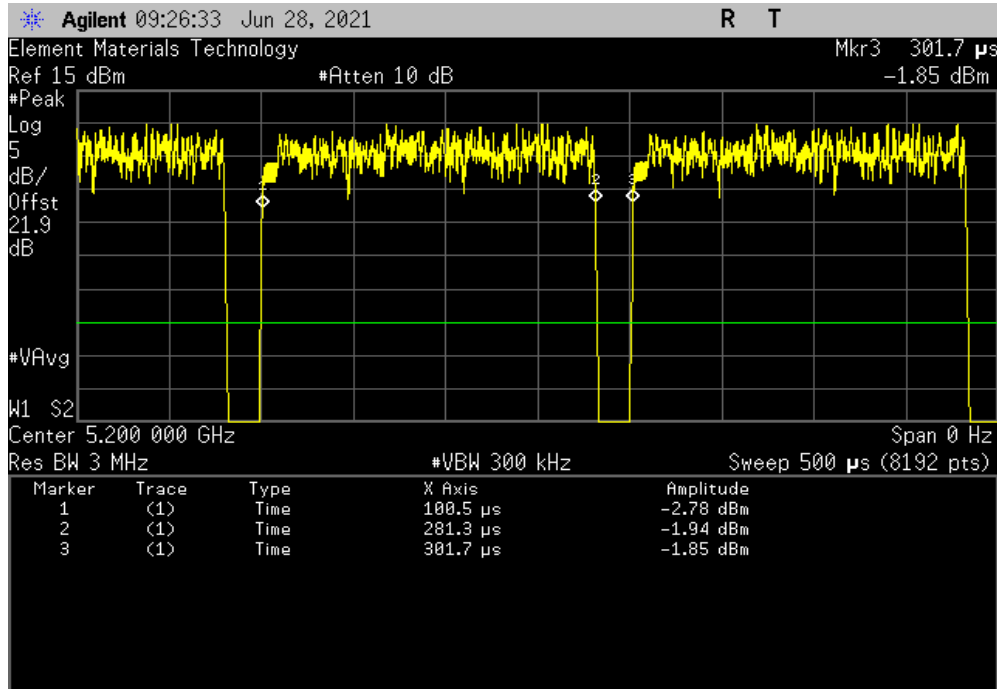


# DUTY CYCLE - 5.2 GHz BAND

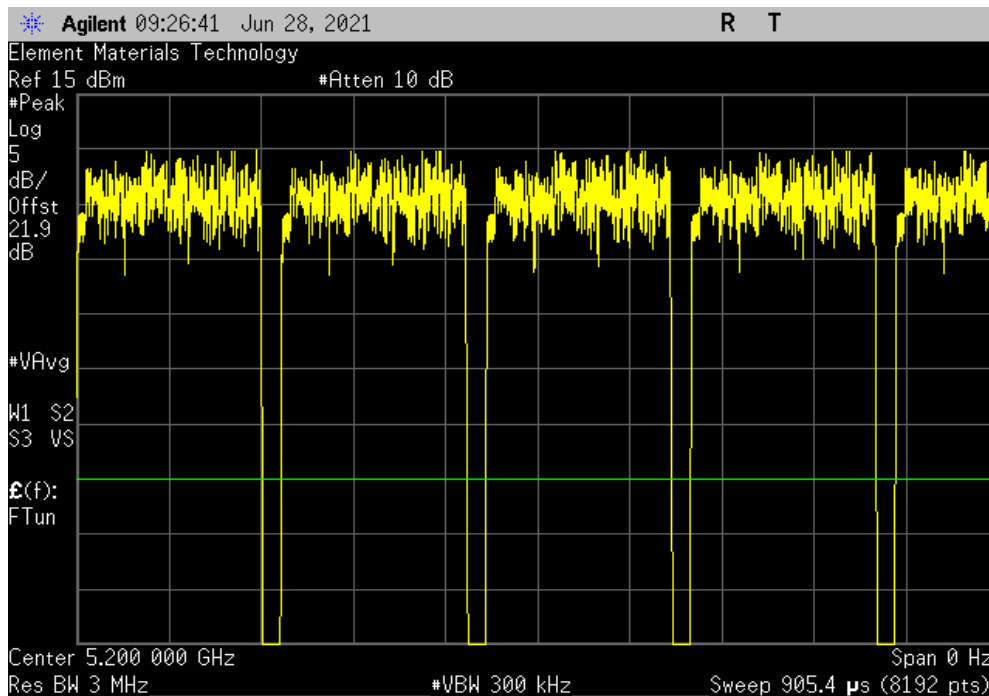


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(a) 54 Mbps, Ch 40, Mid Channel 5200 MHz |           |                  |           |           |         |  |
|--------------------------------------------------------|-----------|------------------|-----------|-----------|---------|--|
| Pulse Width                                            | Period    | Number of Pulses | Value (%) | Limit     | Results |  |
| 180.822 us                                             | 201.21 us | 1                | 89.9      | N/A (N/A) | N/A     |  |



| 20 MHz, 802.11(a) 54 Mbps, Ch 40, Mid Channel 5200 MHz |        |                  |           |           |         |  |
|--------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                            | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                    | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

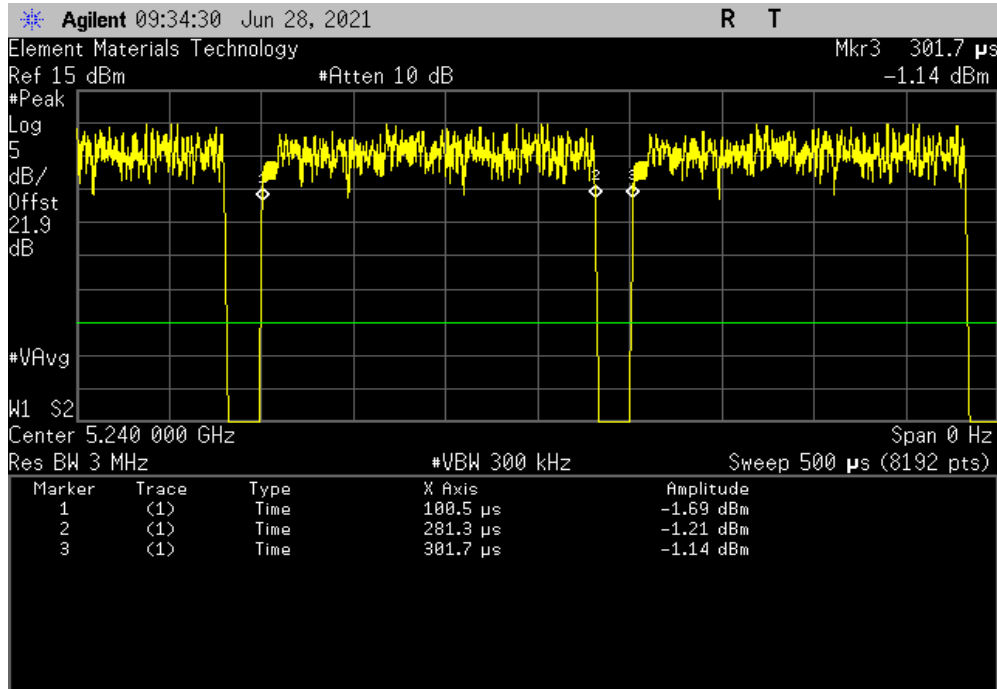


# DUTY CYCLE - 5.2 GHz BAND



TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(a) 54 Mbps, Ch 48, High Channel 5240 MHz |           |                  |           |           |         |  |
|---------------------------------------------------------|-----------|------------------|-----------|-----------|---------|--|
| Pulse Width                                             | Period    | Number of Pulses | Value (%) | Limit     | Results |  |
| 180.822 us                                              | 201.21 us | 1                | 89.9      | N/A (N/A) | N/A     |  |



| 20 MHz, 802.11(a) 54 Mbps, Ch 48, High Channel 5240 MHz |        |                  |           |           |         |  |
|---------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                             | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                     | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

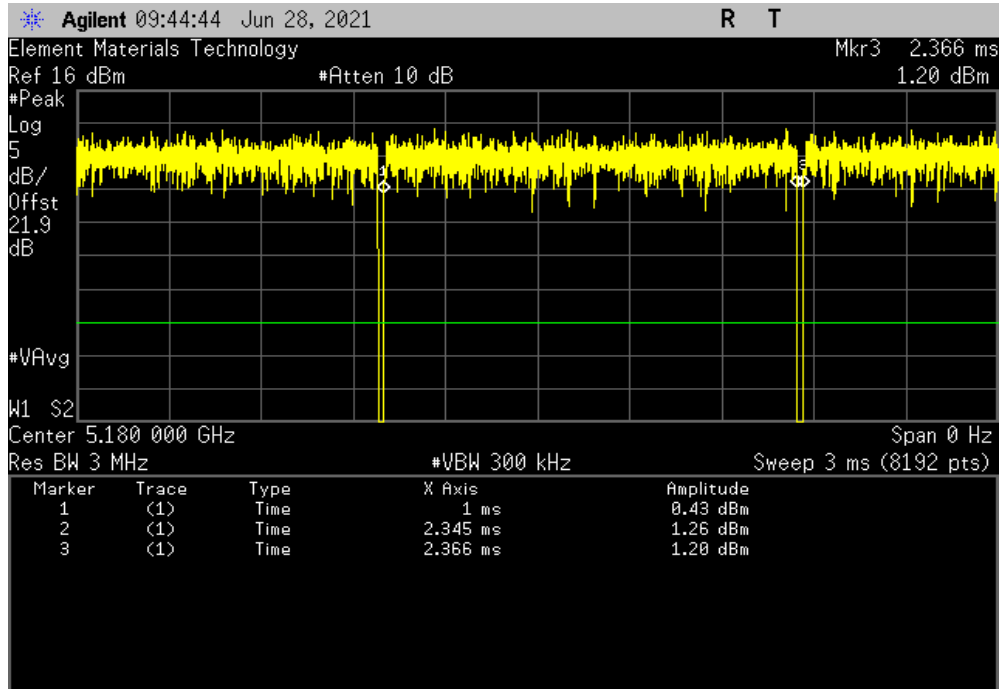


# DUTY CYCLE - 5.2 GHz BAND

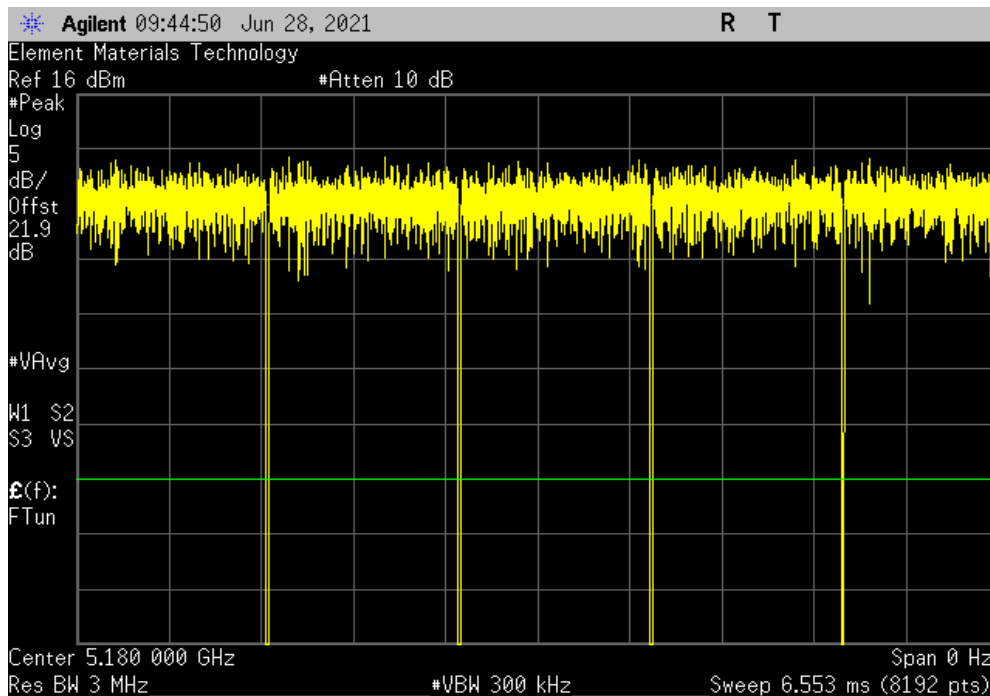


TbTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(n) MCS0, Ch 36, Low Channel 5180 MHz |             |          |                  |           |                 |         |
|-----------------------------------------------------|-------------|----------|------------------|-----------|-----------------|---------|
|                                                     | Pulse Width | Period   | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                     | 1.344 ms    | 1.366 ms | 1                | 98.4      | N/A             | N/A     |



| 20 MHz, 802.11(n) MCS0, Ch 36, Low Channel 5180 MHz |             |        |                  |           |                 |         |
|-----------------------------------------------------|-------------|--------|------------------|-----------|-----------------|---------|
|                                                     | Pulse Width | Period | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                     | N/A         | N/A    | 5                | N/A       | N/A             | N/A     |

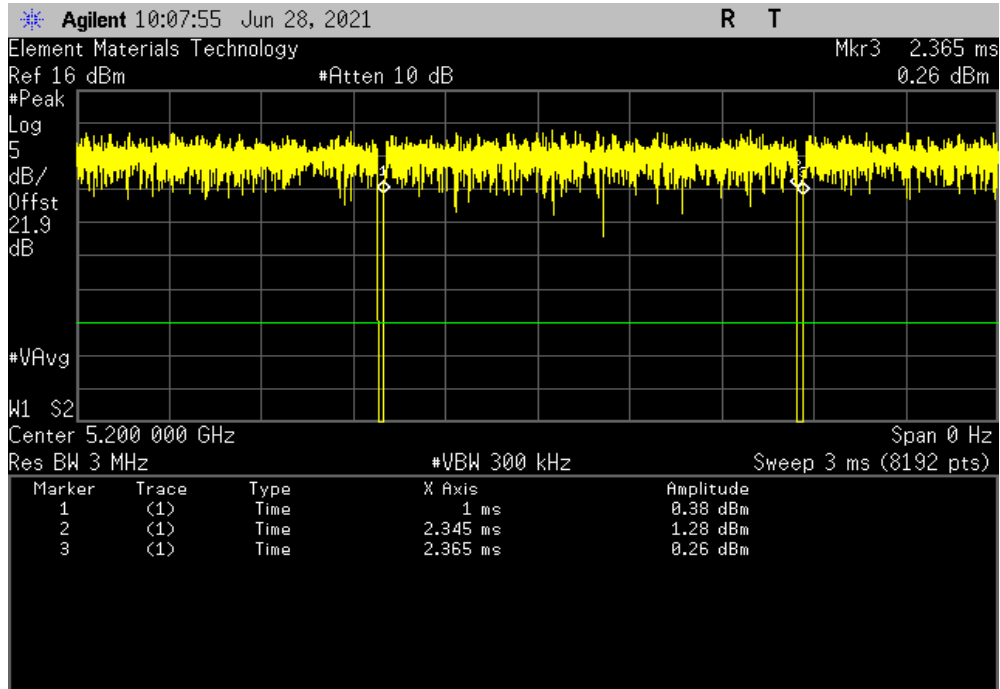


# DUTY CYCLE - 5.2 GHz BAND

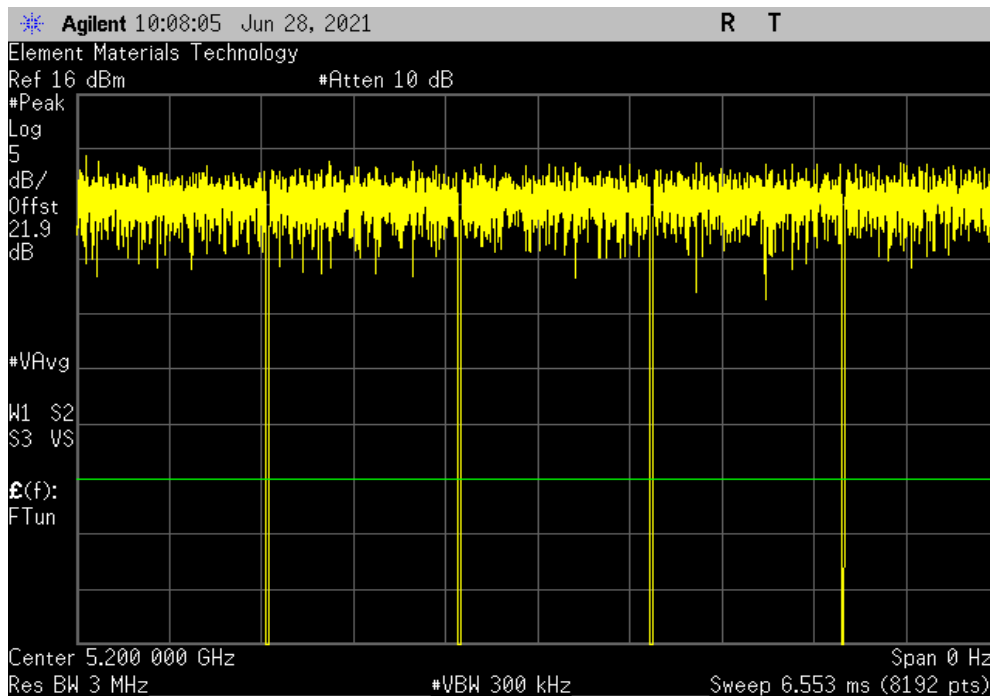


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(n) MCS0, Ch 40, Mid Channel 5200 MHz |             |          |                  |           |                 |         |
|-----------------------------------------------------|-------------|----------|------------------|-----------|-----------------|---------|
|                                                     | Pulse Width | Period   | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                     | 1.344 ms    | 1.364 ms | 1                | 98.5      | N/A             | N/A     |



| 20 MHz, 802.11(n) MCS0, Ch 40, Mid Channel 5200 MHz |             |        |                  |           |                 |         |
|-----------------------------------------------------|-------------|--------|------------------|-----------|-----------------|---------|
|                                                     | Pulse Width | Period | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                     | N/A         | N/A    | 5                | N/A       | N/A             | N/A     |

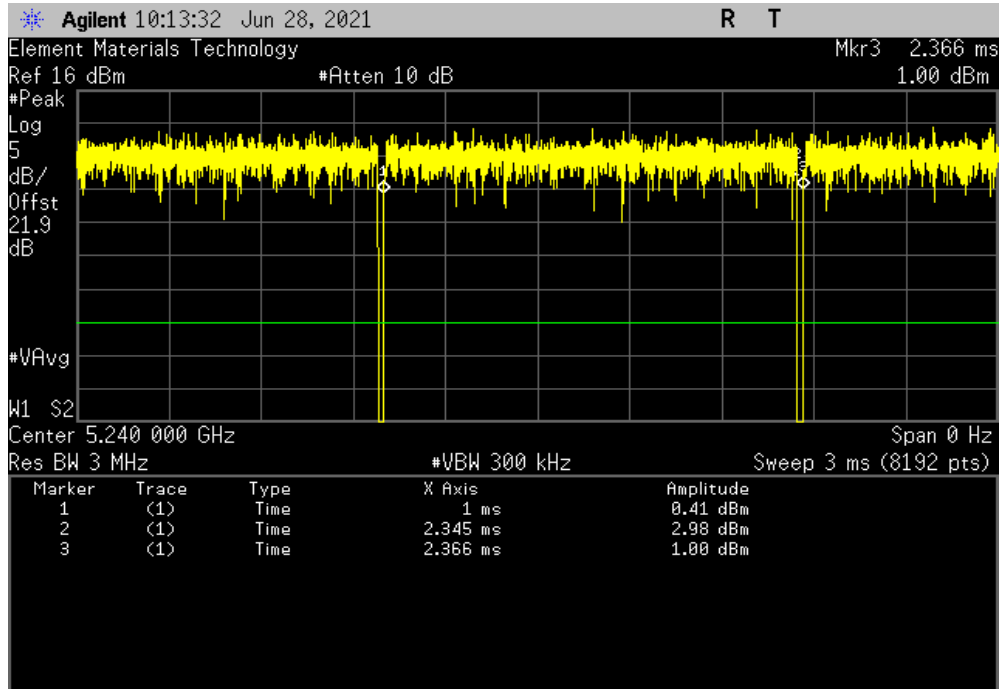


# DUTY CYCLE - 5.2 GHz BAND

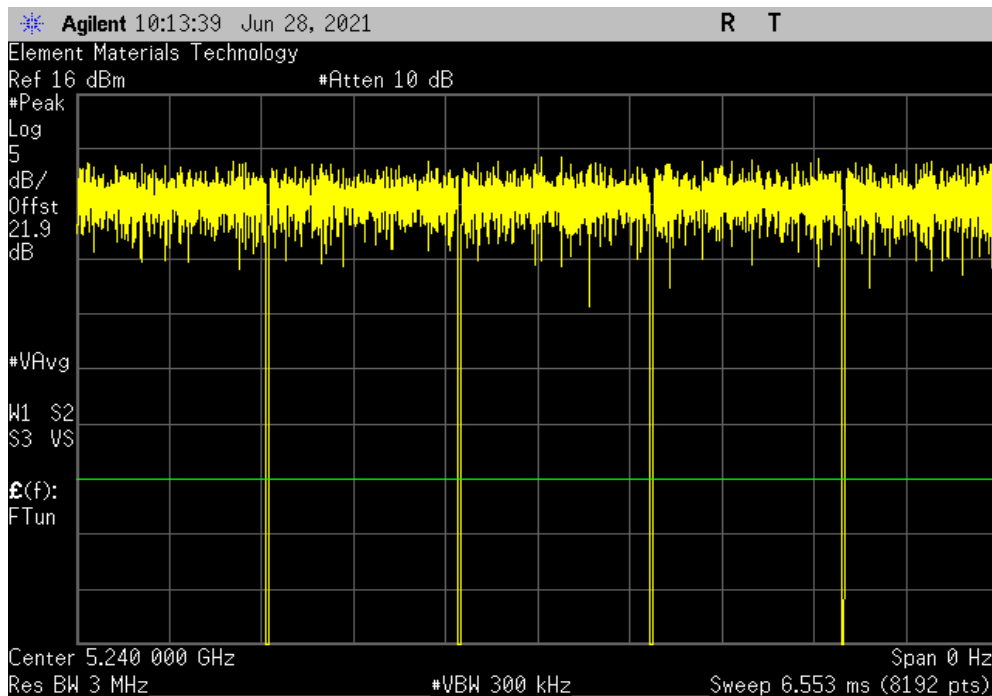


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(n) MCS0, Ch 48, High Channel 5240 MHz |             |          |                  |           |                 |         |
|------------------------------------------------------|-------------|----------|------------------|-----------|-----------------|---------|
|                                                      | Pulse Width | Period   | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                      | 1.344 ms    | 1.366 ms | 1                | 98.4      | N/A             | N/A     |



| 20 MHz, 802.11(n) MCS0, Ch 48, High Channel 5240 MHz |             |        |                  |           |                 |         |
|------------------------------------------------------|-------------|--------|------------------|-----------|-----------------|---------|
|                                                      | Pulse Width | Period | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                      | N/A         | N/A    | 5                | N/A       | N/A             | N/A     |

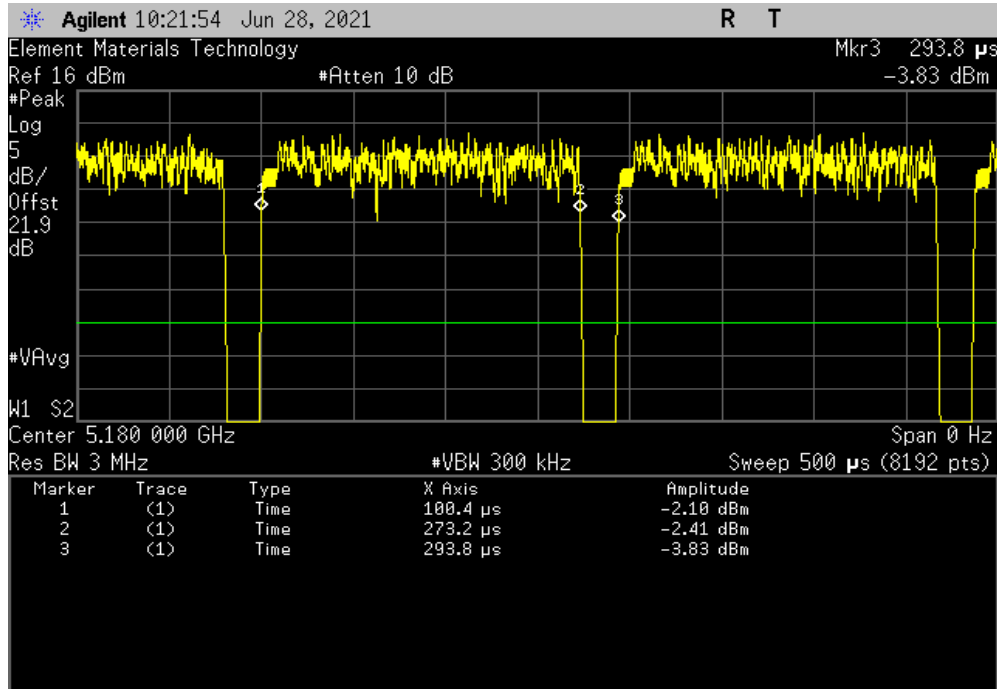


# DUTY CYCLE - 5.2 GHz BAND

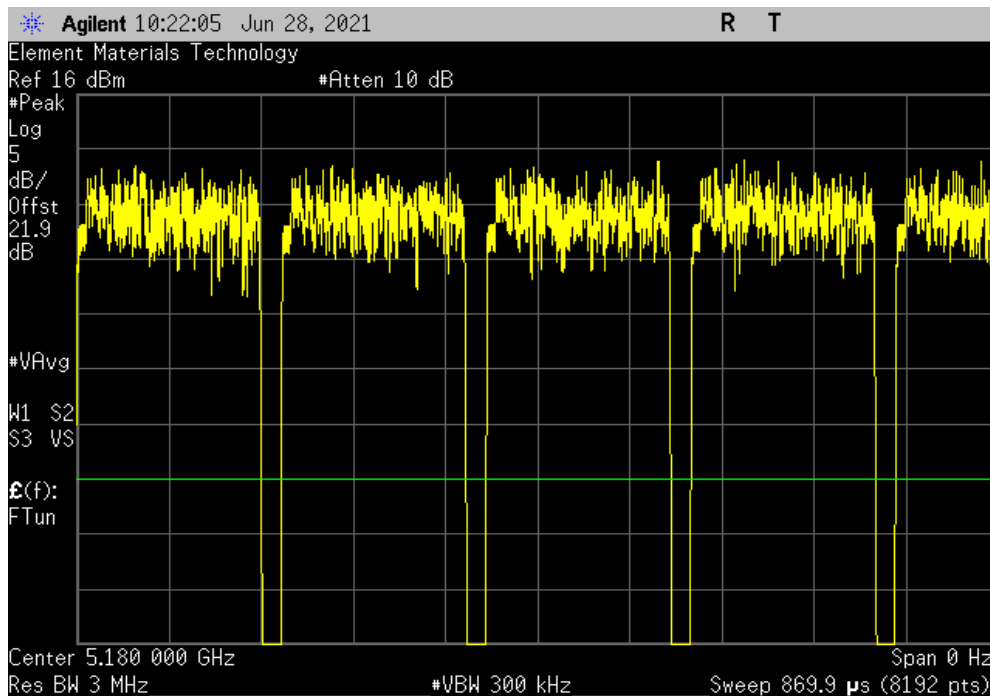


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(n) MCS7, Ch 36, Low Channel 5180 MHz |            |                  |           |           |         |  |
|-----------------------------------------------------|------------|------------------|-----------|-----------|---------|--|
| Pulse Width                                         | Period     | Number of Pulses | Value (%) | Limit     | Results |  |
| 172.754 us                                          | 193.315 us | 1                | 89.4      | N/A (N/A) | N/A     |  |



| 20 MHz, 802.11(n) MCS7, Ch 36, Low Channel 5180 MHz |        |                  |           |           |         |  |
|-----------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                         | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                 | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

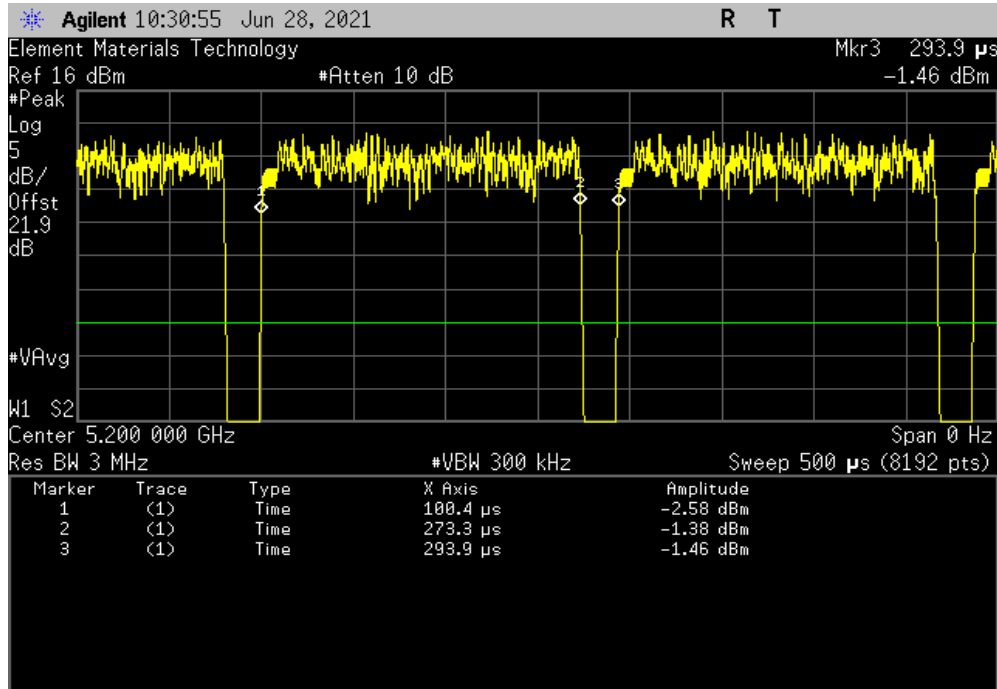


# DUTY CYCLE - 5.2 GHz BAND

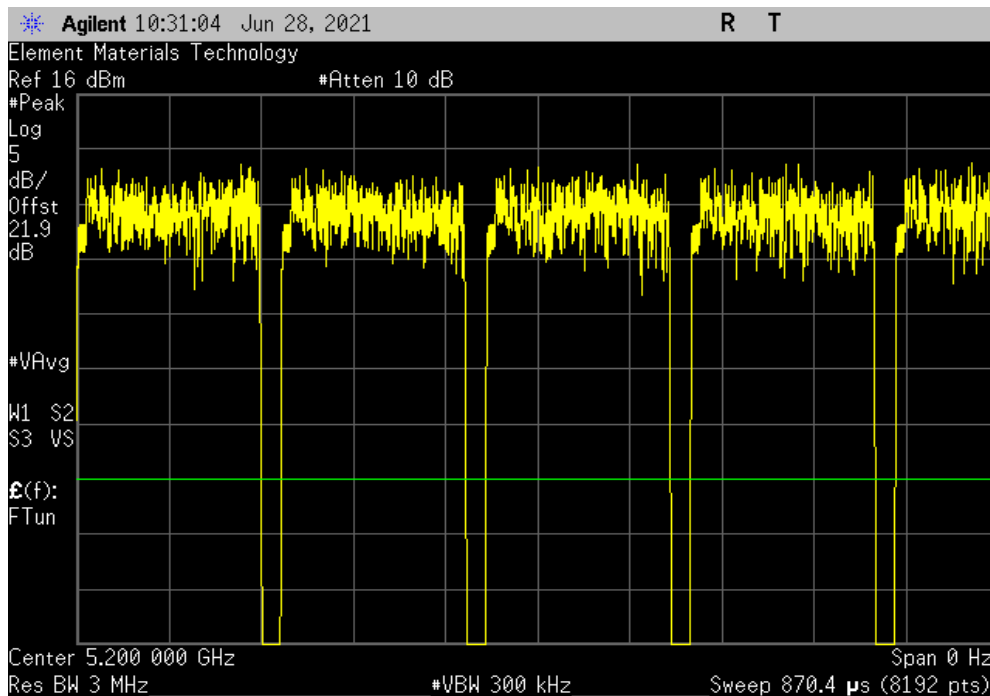


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(n) MCS7, Ch 40, Mid Channel 5200 MHz |            |                  |           |           |         |  |
|-----------------------------------------------------|------------|------------------|-----------|-----------|---------|--|
| Pulse Width                                         | Period     | Number of Pulses | Value (%) | Limit     | Results |  |
| 172.815 us                                          | 193.415 us | 1                | 89.3      | N/A (N/A) | N/A     |  |



| 20 MHz, 802.11(n) MCS7, Ch 40, Mid Channel 5200 MHz |        |                  |           |           |         |  |
|-----------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                         | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                 | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

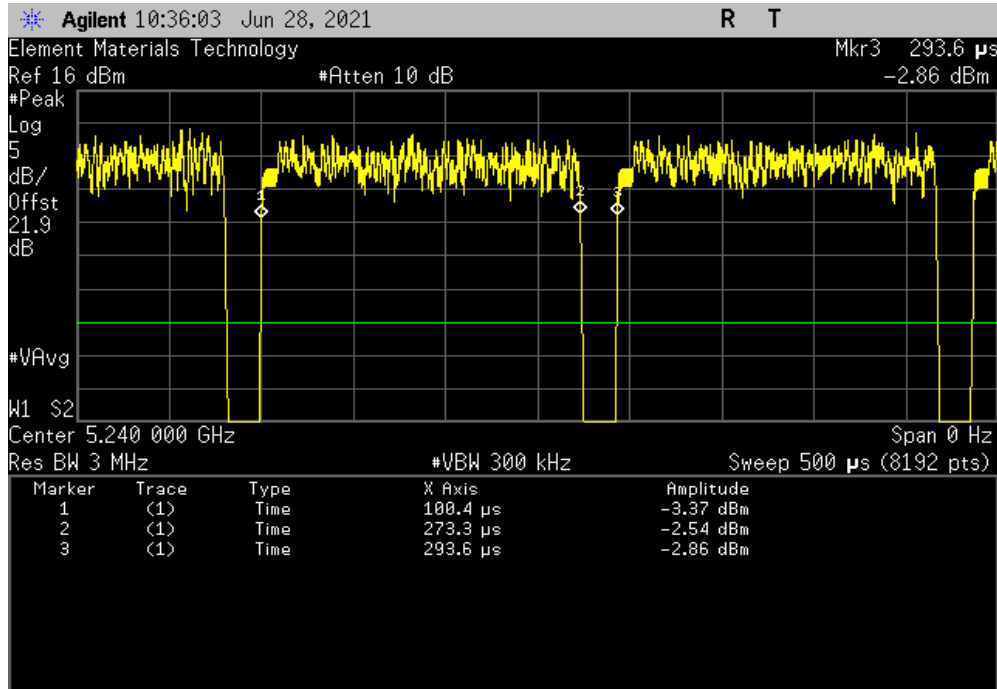


# DUTY CYCLE - 5.2 GHz BAND

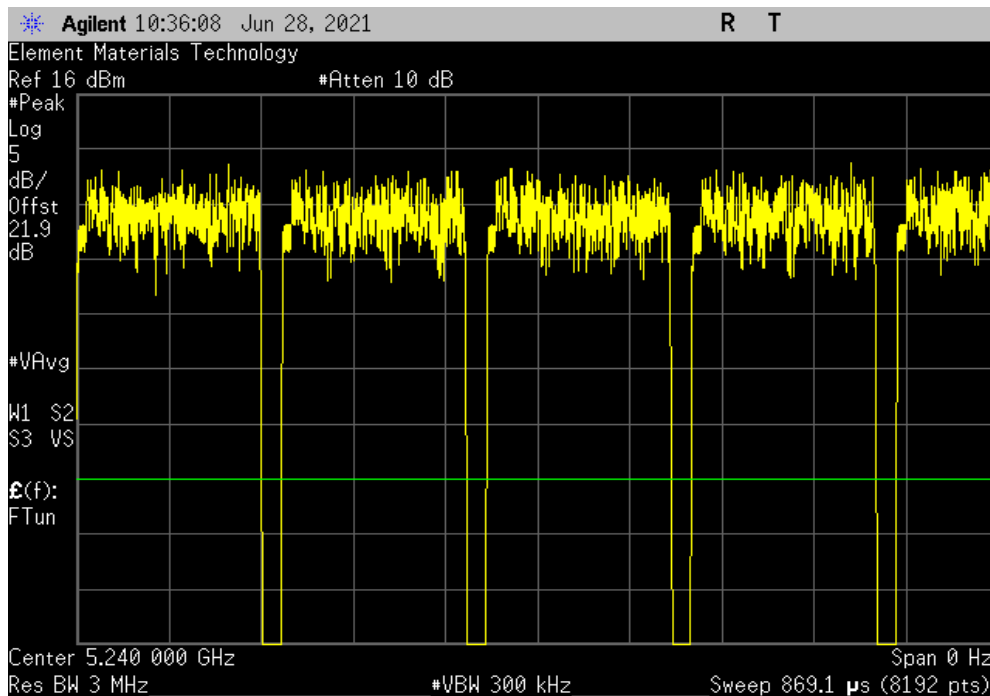


TUTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(n) MCS7, Ch 48, High Channel 5240 MHz |            |                  |           |           |         |  |
|------------------------------------------------------|------------|------------------|-----------|-----------|---------|--|
| Pulse Width                                          | Period     | Number of Pulses | Value (%) | Limit     | Results |  |
| 172.865 us                                           | 193.132 us | 1                | 89.5      | N/A (N/A) | N/A     |  |



| 20 MHz, 802.11(n) MCS7, Ch 48, High Channel 5240 MHz |        |                  |           |           |         |  |
|------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                          | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                  | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

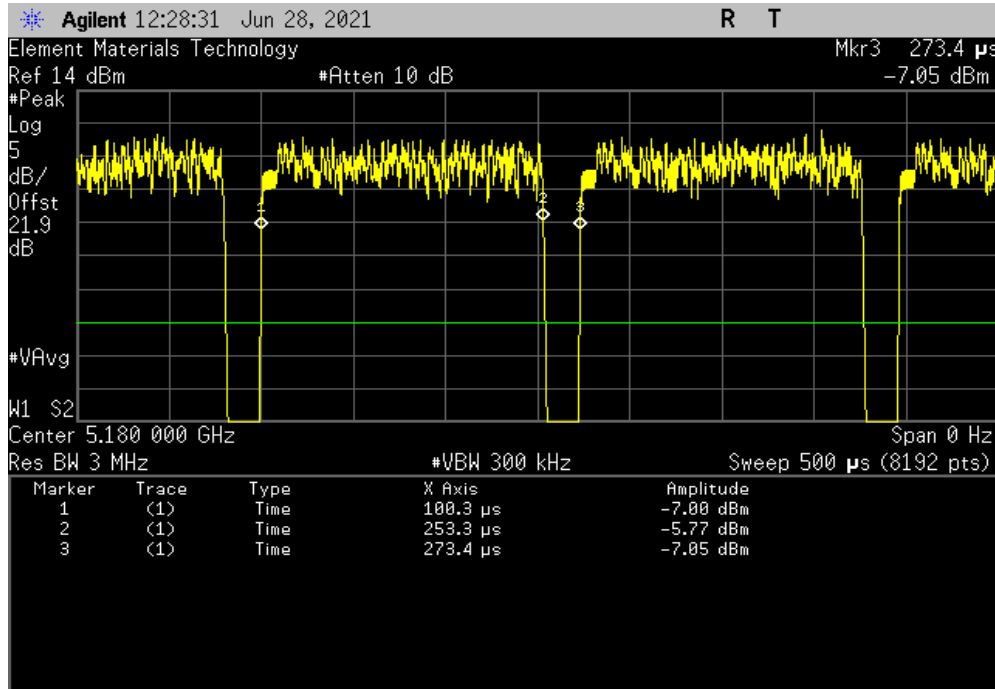


# DUTY CYCLE - 5.2 GHz BAND

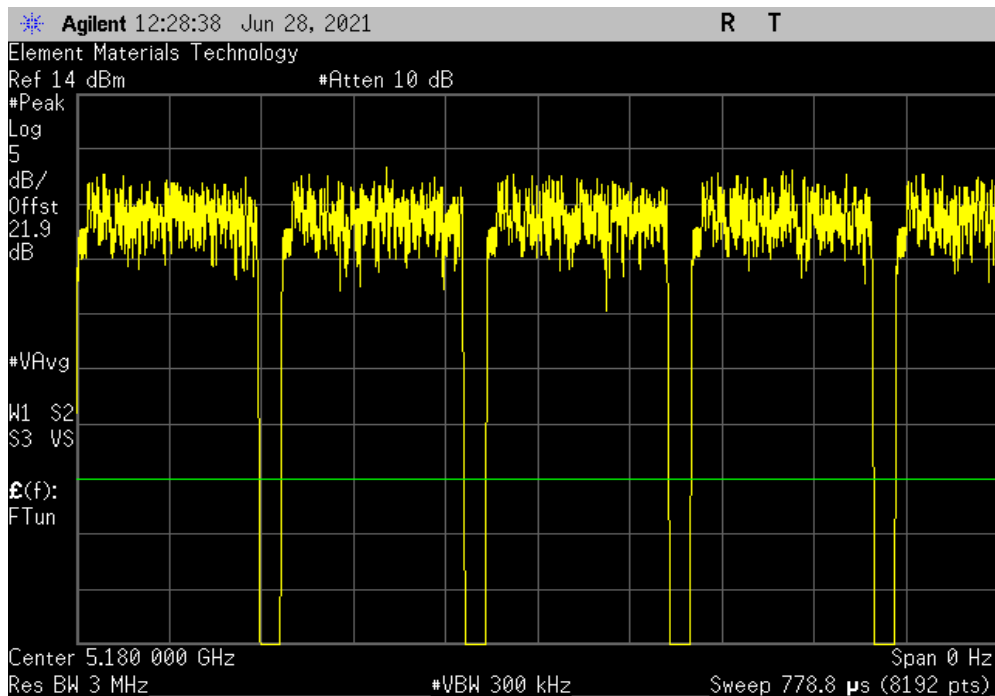


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 36, Low Channel 5180 MHz |           |                  |           |           |         |  |
|----------------------------------------------------------------|-----------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                    | Period    | Number of Pulses | Value (%) | Limit     | Results |  |
| 152.931 us                                                     | 173.06 us | 1                | 88.4      | N/A (N/A) | N/A     |  |



| 20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 36, Low Channel 5180 MHz |        |                  |           |           |         |  |
|----------------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                    | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                            | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

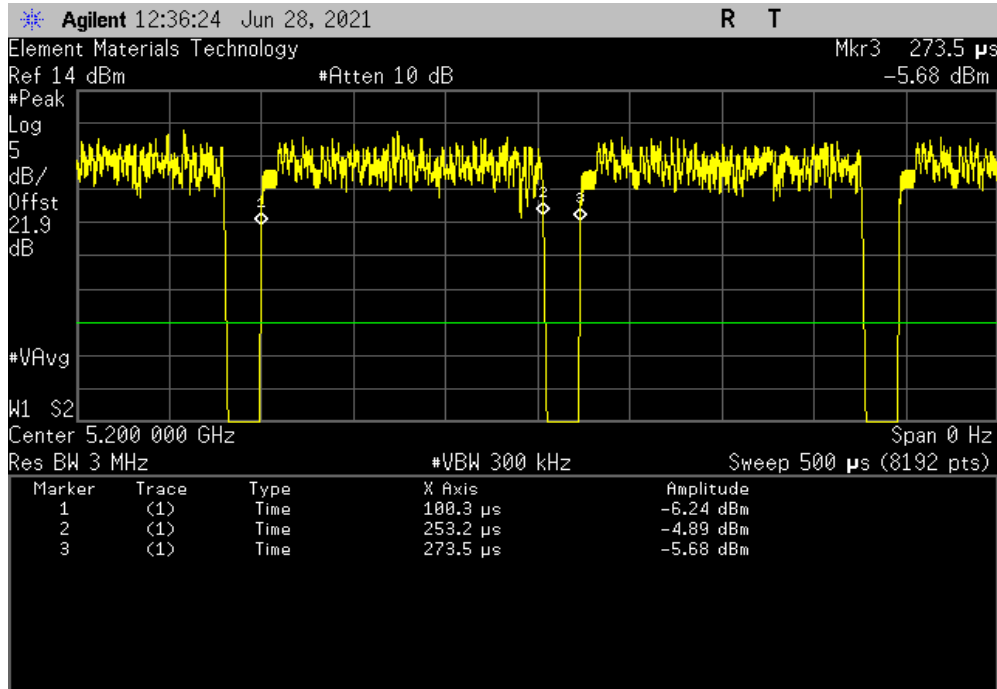


# DUTY CYCLE - 5.2 GHz BAND

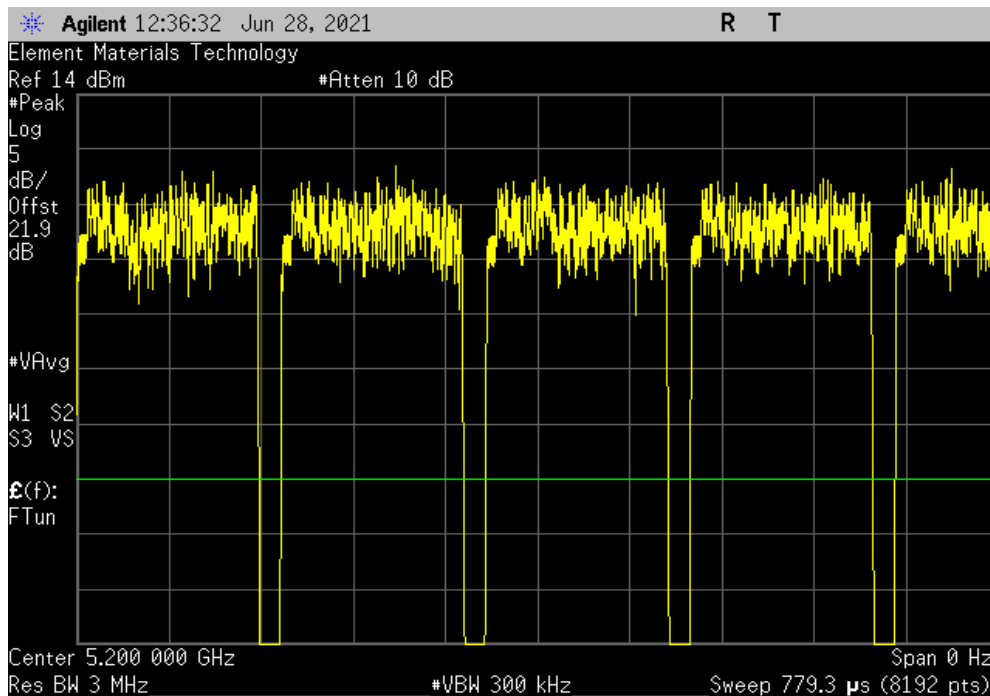


TbTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 40, Mid Channel 5200 MHz |            |                  |           |           |         |  |
|----------------------------------------------------------------|------------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                    | Period     | Number of Pulses | Value (%) | Limit     | Results |  |
| 152.909 us                                                     | 173.182 us | 1                | 88.3      | N/A (N/A) | N/A     |  |



| 20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 40, Mid Channel 5200 MHz |        |                  |           |           |         |  |
|----------------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                    | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                            | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

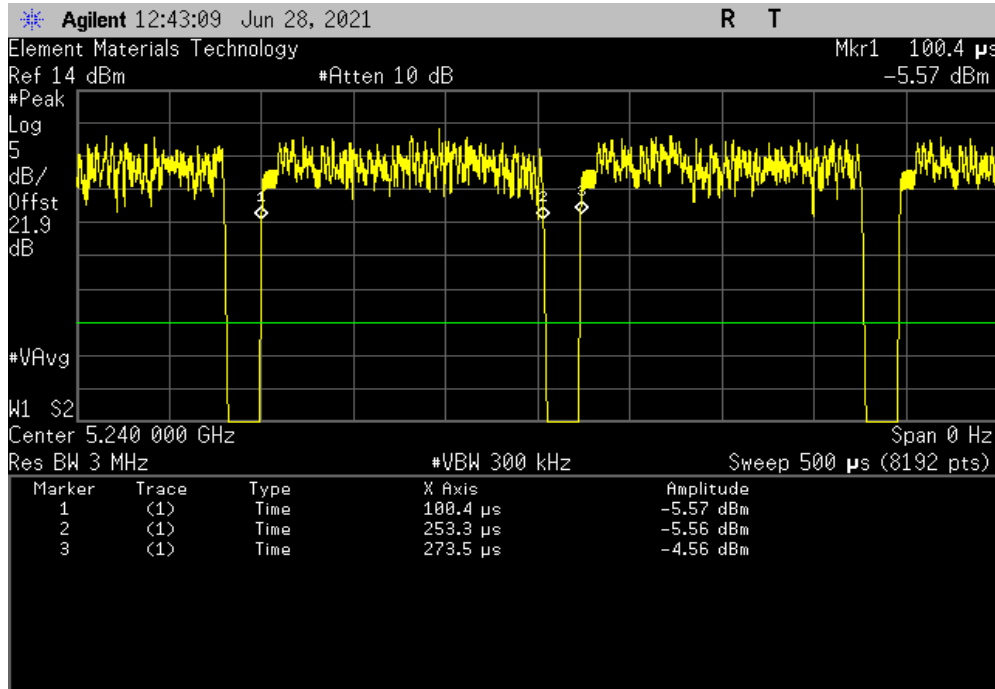


# DUTY CYCLE - 5.2 GHz BAND

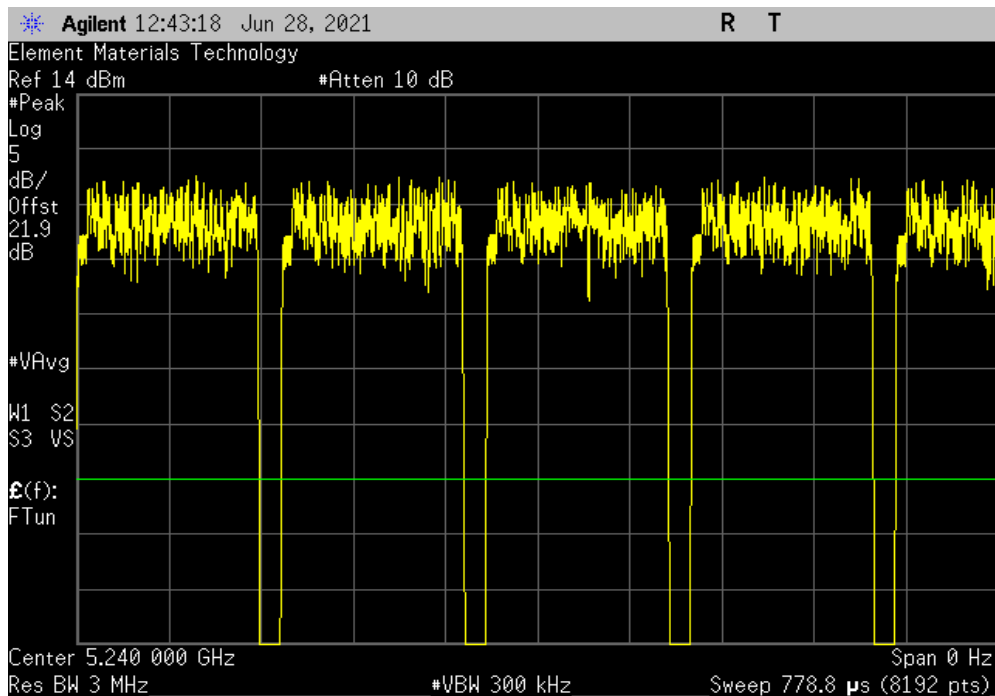


TUTx 2021.03.19.1 XMR 2020.12.30.0

| 20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 48, High Channel 5240 MHz |           |                  |           |           |         |  |
|-----------------------------------------------------------------|-----------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                     | Period    | Number of Pulses | Value (%) | Limit     | Results |  |
| 152.877 us                                                      | 173.06 us | 1                | 88.3      | N/A (N/A) | N/A     |  |



| 20 MHz, 802.11(ac) MCS8 (256-QAM), Ch 48, High Channel 5240 MHz |        |                  |           |           |         |  |
|-----------------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                     | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                             | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

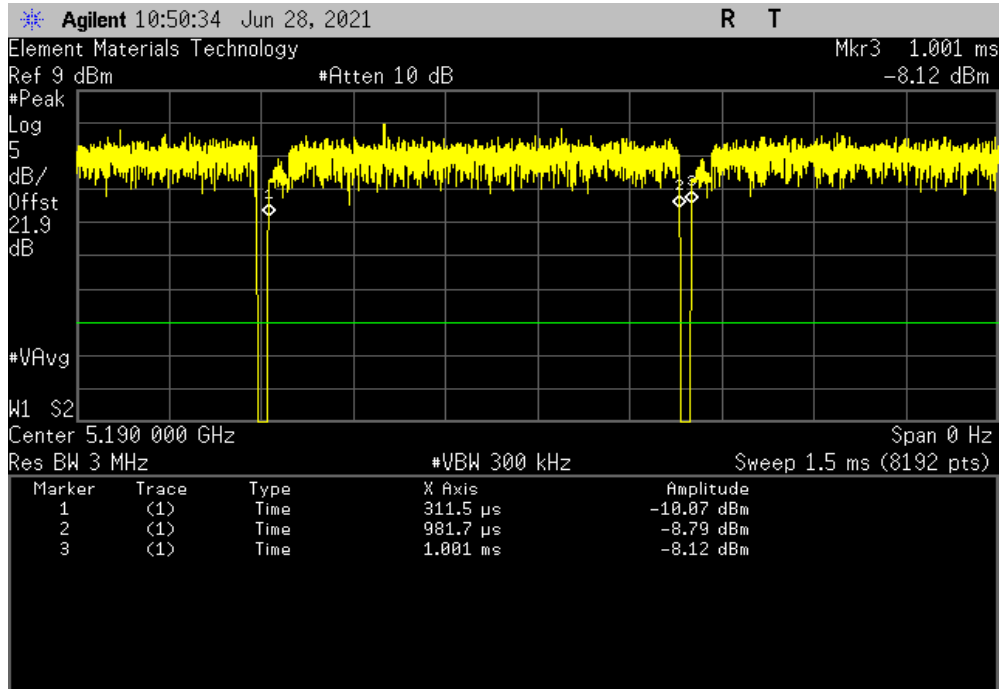


# DUTY CYCLE - 5.2 GHz BAND

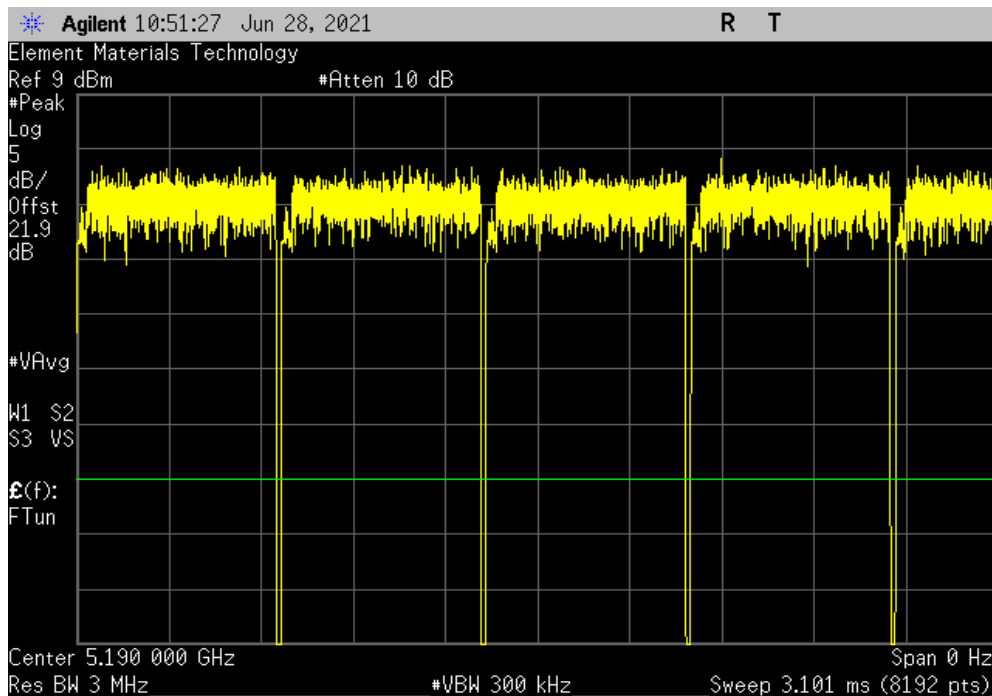


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 40 MHz, 802.11(n) MCS0, Ch 36/40, Low Channel 5190 MHz |            |                  |           |           |         |  |
|--------------------------------------------------------|------------|------------------|-----------|-----------|---------|--|
| Pulse Width                                            | Period     | Number of Pulses | Value (%) | Limit     | Results |  |
| 670.15 us                                              | 689.009 us | 1                | 97.3      | N/A (N/A) | N/A     |  |



| 40 MHz, 802.11(n) MCS0, Ch 36/40, Low Channel 5190 MHz |        |                  |           |           |         |  |
|--------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                            | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                    | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

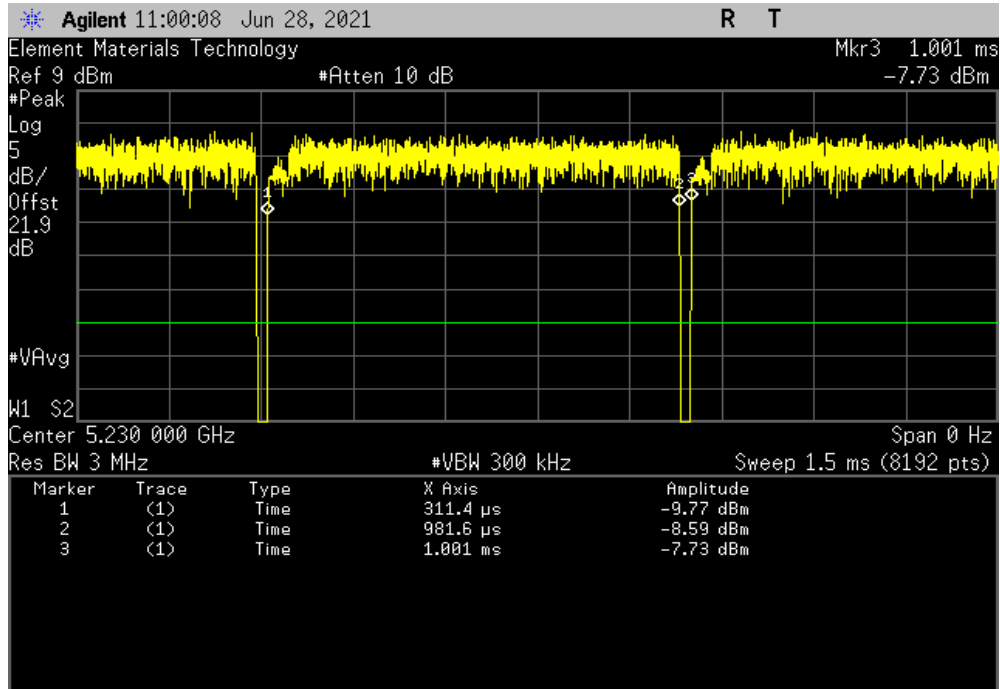


# DUTY CYCLE - 5.2 GHz BAND

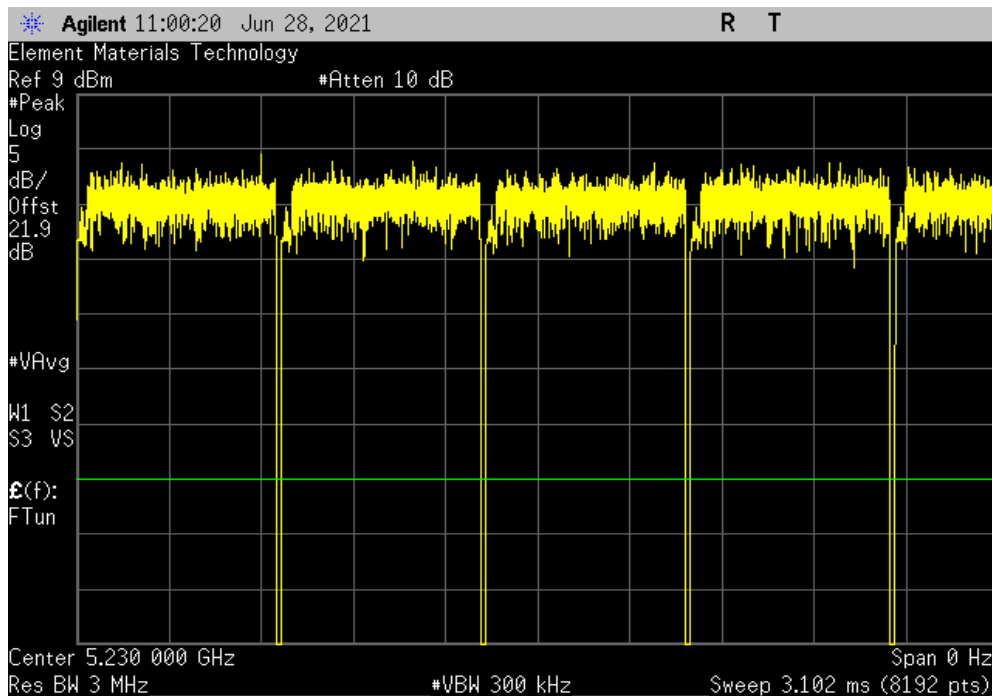


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 40 MHz, 802.11(n) MCS0, Ch 44/48, High Channel 5230 MHz |            |                  |           |           |         |  |
|---------------------------------------------------------|------------|------------------|-----------|-----------|---------|--|
| Pulse Width                                             | Period     | Number of Pulses | Value (%) | Limit     | Results |  |
| 670.297 us                                              | 689.338 us | 1                | 97.2      | N/A (N/A) | N/A     |  |



| 40 MHz, 802.11(n) MCS0, Ch 44/48, High Channel 5230 MHz |        |                  |           |           |         |  |
|---------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                             | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                     | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

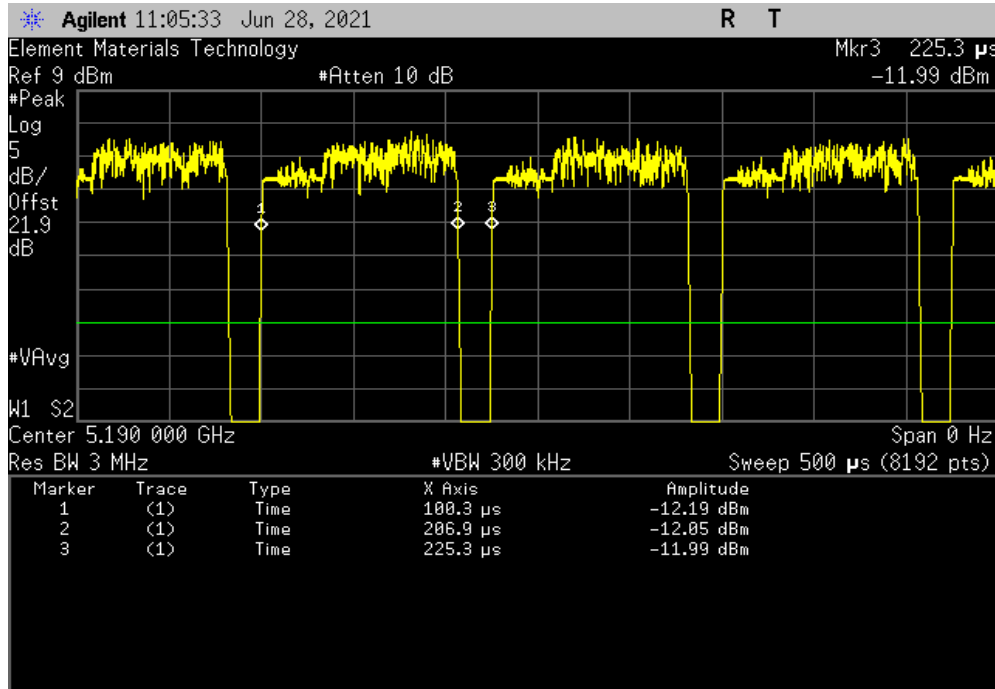


# DUTY CYCLE - 5.2 GHz BAND

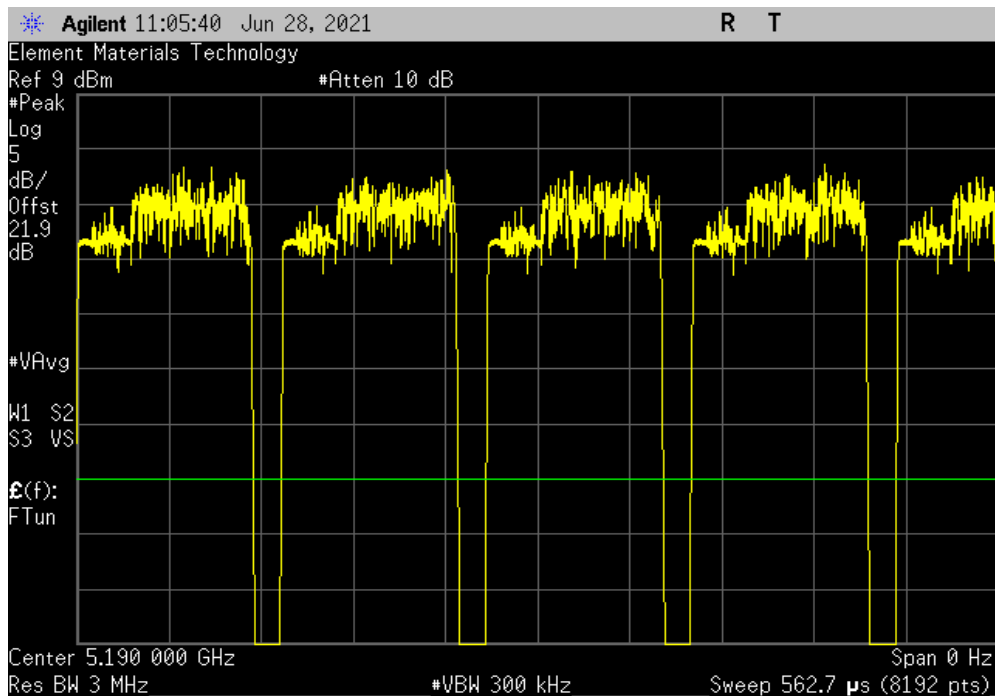


TMTx 2021.03.19.1 XMR 2020.12.30.0

| 40 MHz, 802.11(n) MCS7, Ch 36/40, Low Channel 5190 MHz |            |                  |           |           |         |  |
|--------------------------------------------------------|------------|------------------|-----------|-----------|---------|--|
| Pulse Width                                            | Period     | Number of Pulses | Value (%) | Limit     | Results |  |
| 106.585 us                                             | 125.053 us | 1                | 85.2      | N/A (N/A) | N/A     |  |



| 40 MHz, 802.11(n) MCS7, Ch 36/40, Low Channel 5190 MHz |        |                  |           |           |         |  |
|--------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                            | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                    | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

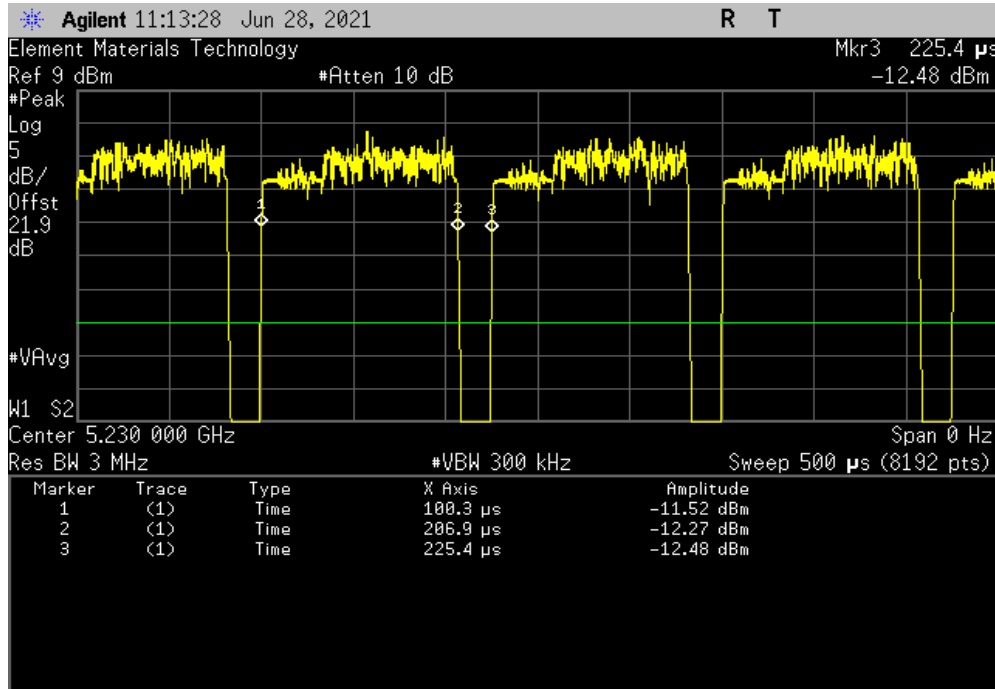


# DUTY CYCLE - 5.2 GHz BAND

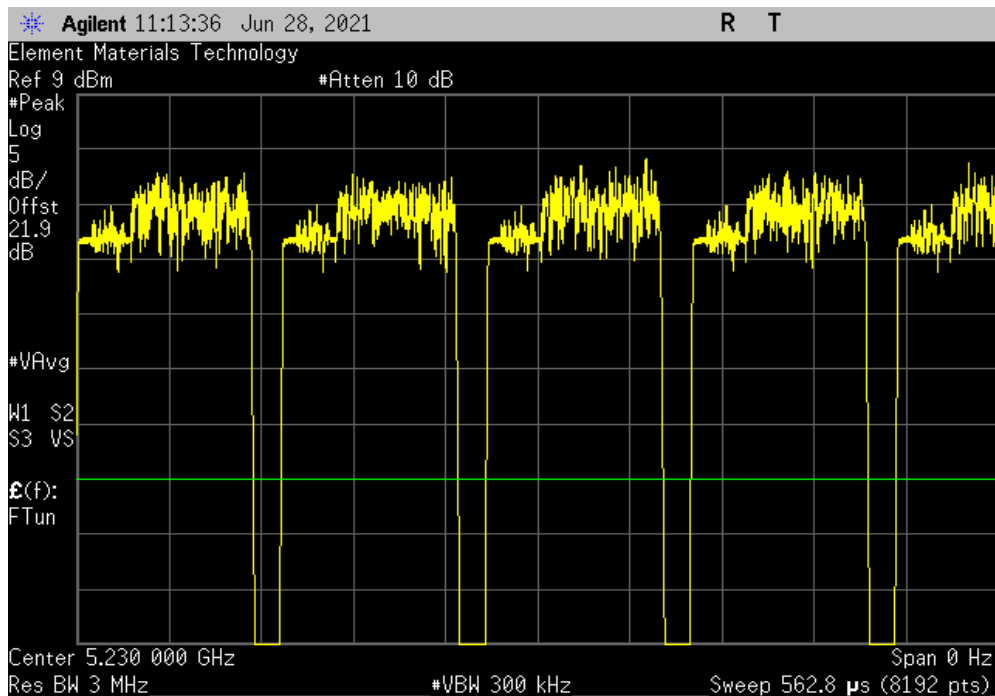


TUTx 2021.03.19.1 XMR 2020.12.30.0

| 40 MHz, 802.11(n) MCS7, Ch 44/48, High Channel 5230 MHz |            |                  |           |           |         |  |
|---------------------------------------------------------|------------|------------------|-----------|-----------|---------|--|
| Pulse Width                                             | Period     | Number of Pulses | Value (%) | Limit     | Results |  |
| 106.524 us                                              | 125.075 us | 1                | 85.2      | N/A (N/A) | N/A     |  |



| 40 MHz, 802.11(n) MCS7, Ch 44/48, High Channel 5230 MHz |        |                  |           |           |         |  |
|---------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                             | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                     | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

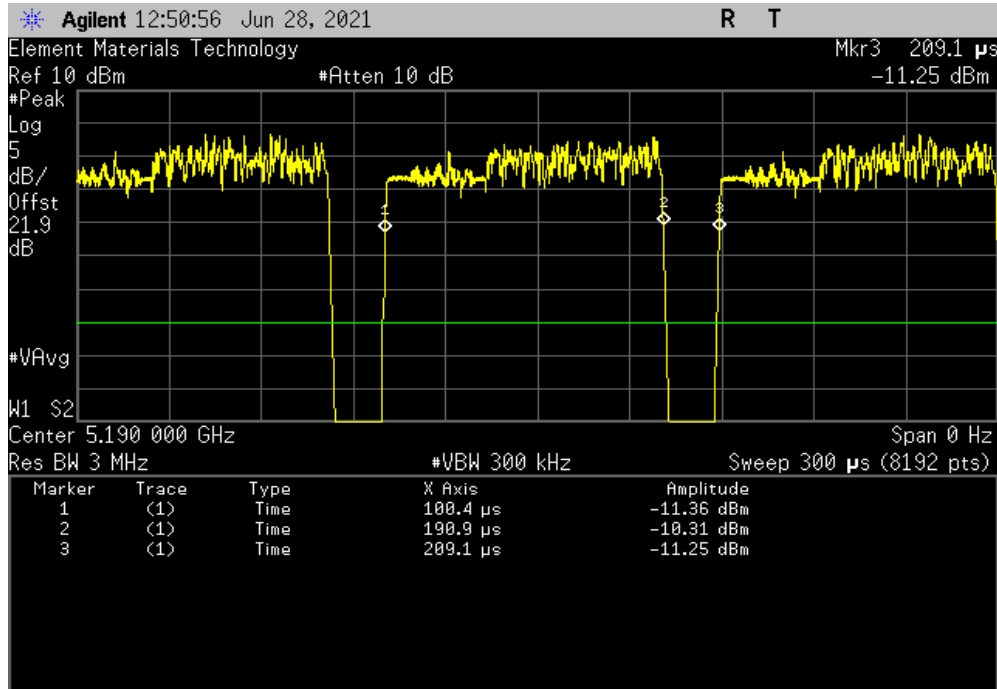


# DUTY CYCLE - 5.2 GHZ BAND

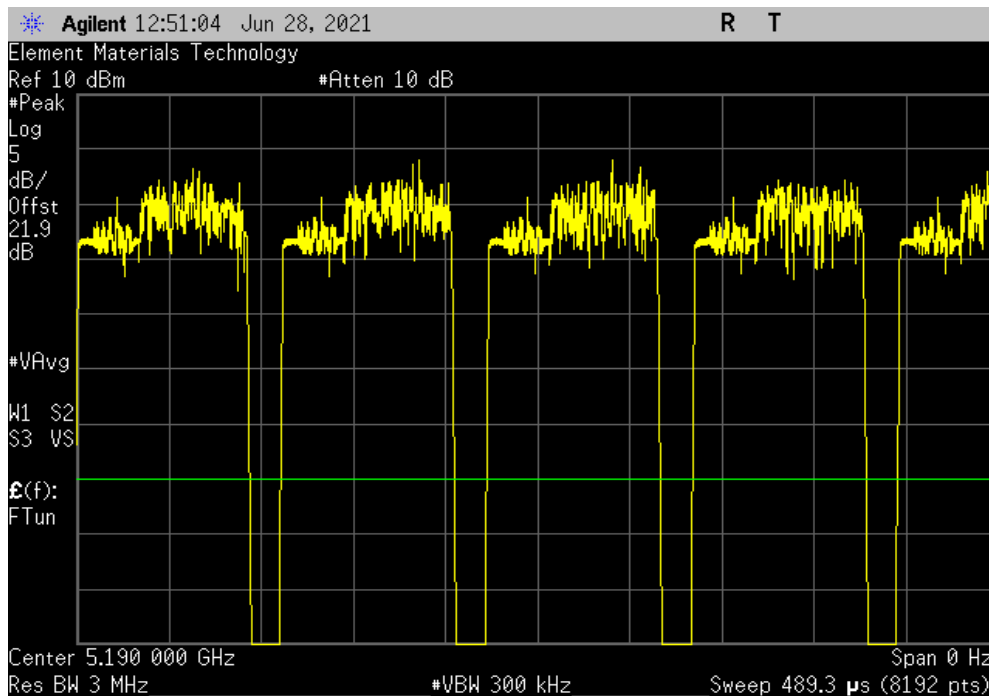


TMTx 2021.03.10.1 XMR 2020.12.30.0

| 40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 36/40, Low Channel 5190 MHz |            |                  |           |           |         |  |
|-------------------------------------------------------------------|------------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                       | Period     | Number of Pulses | Value (%) | Limit     | Results |  |
| 90.566 us                                                         | 108.739 us | 1                | 83.3      | N/A (N/A) | N/A     |  |



| 40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 36/40, Low Channel 5190 MHz |        |                  |           |           |         |  |
|-------------------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                       | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                               | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

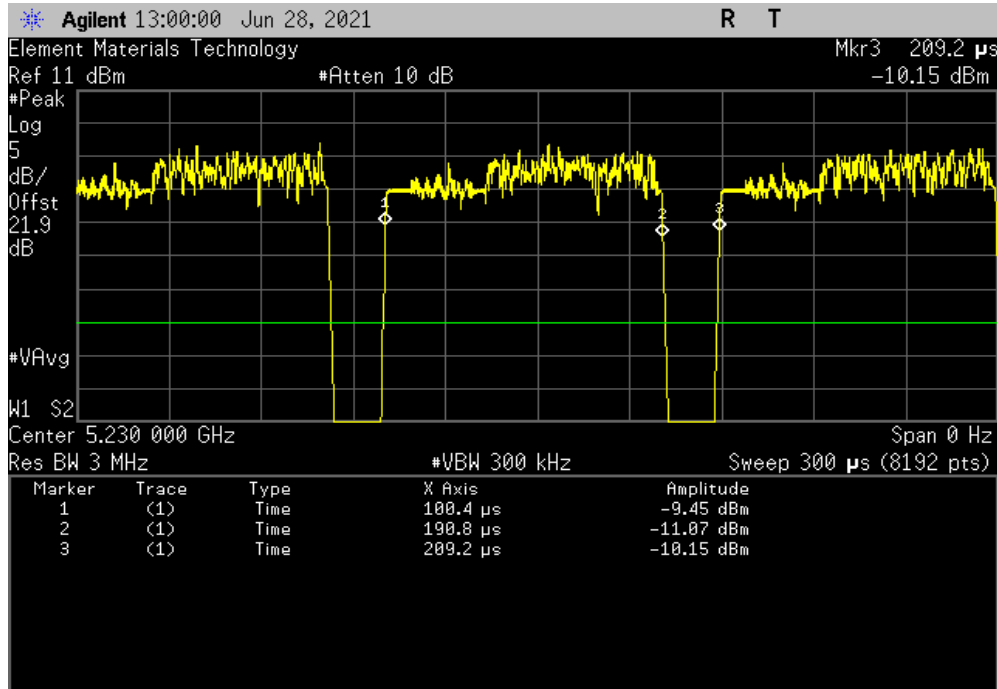


# DUTY CYCLE - 5.2 GHZ BAND

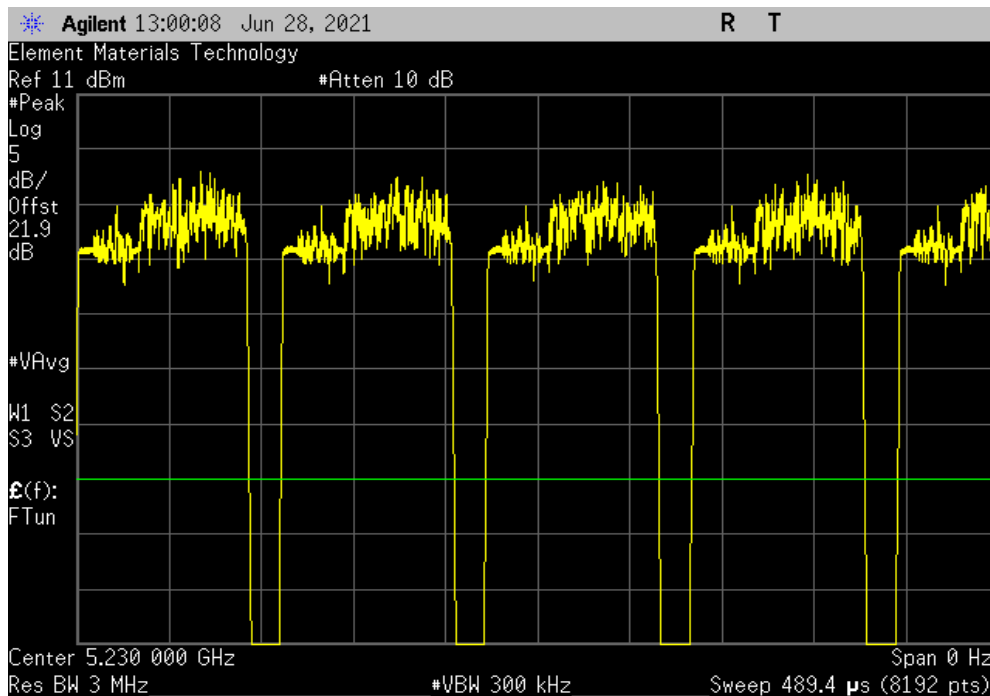


TbTx 2021.03.19.1 XMR 2020.12.30.0

| 40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 44/48, High Channel 5230 MHz |            |                  |           |           |         |  |
|--------------------------------------------------------------------|------------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                        | Period     | Number of Pulses | Value (%) | Limit     | Results |  |
| 90.396 us                                                          | 108.749 us | 1                | 83.1      | N/A (N/A) | N/A     |  |



| 40 MHz, 802.11(ac) MCS9 (256-QAM), Ch 44/48, High Channel 5230 MHz |        |                  |           |           |         |  |
|--------------------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                        | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                                | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

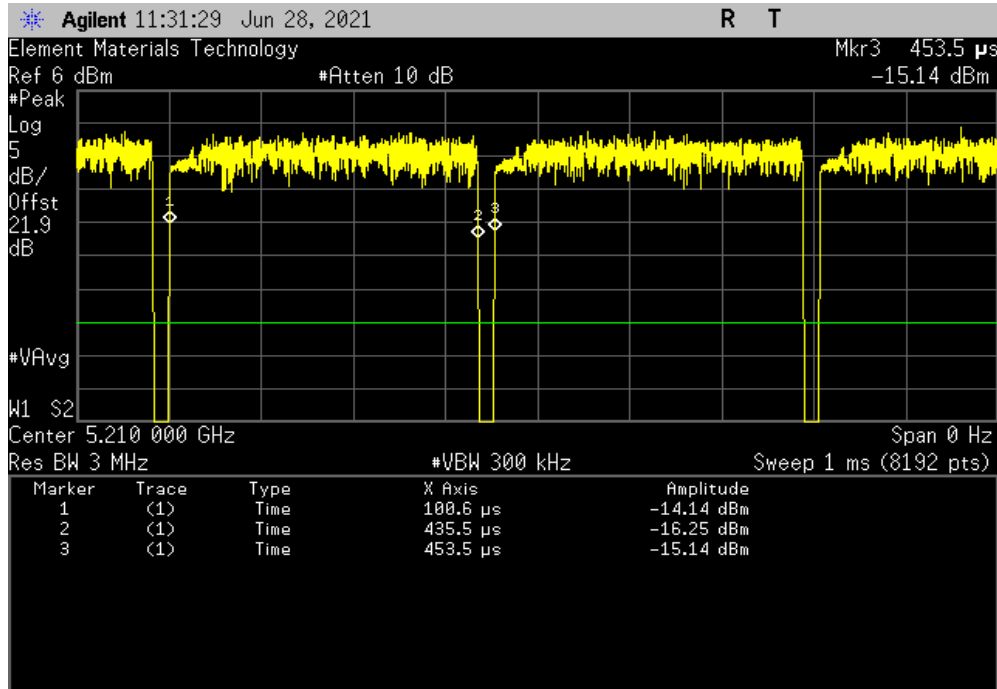


# DUTY CYCLE - 5.2 GHz BAND

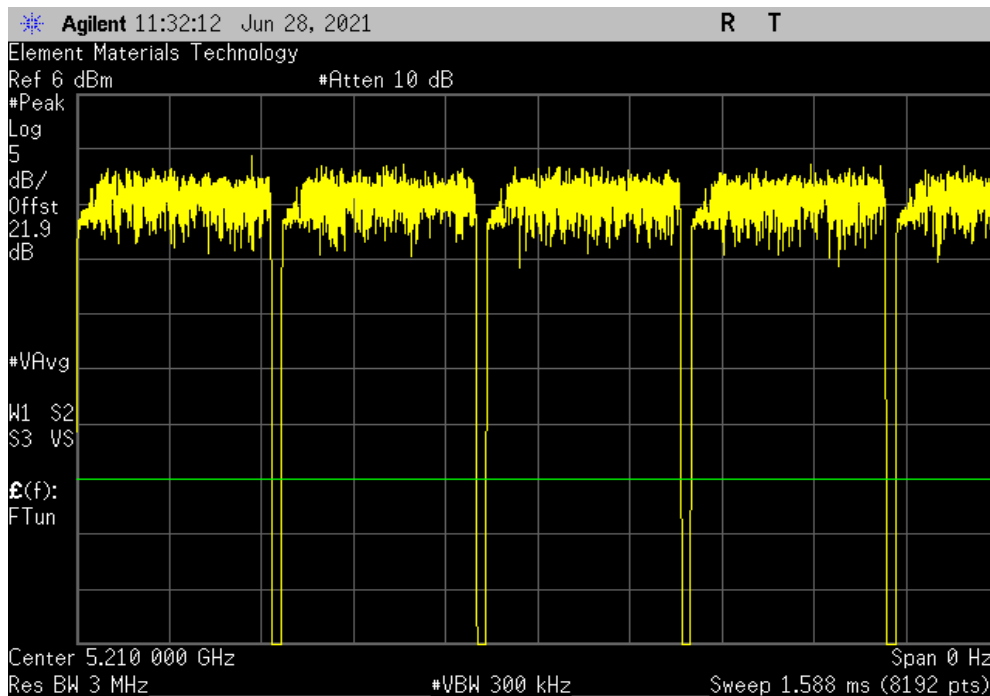


TbTx 2021.03.19.1 XMt 2020.12.30.0

| 80 MHz, 802.11(ac) MCS0, Ch 36-48, Low Channel 5210 MHz |             |          |                  |           |                 |         |
|---------------------------------------------------------|-------------|----------|------------------|-----------|-----------------|---------|
|                                                         | Pulse Width | Period   | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                         | 334.9 us    | 352.9 us | 1                | 94.9      | N/A             | N/A     |



| 80 MHz, 802.11(ac) MCS0, Ch 36-48, Low Channel 5210 MHz |             |        |                  |           |                 |         |
|---------------------------------------------------------|-------------|--------|------------------|-----------|-----------------|---------|
|                                                         | Pulse Width | Period | Number of Pulses | Value (%) | Limit N/A (N/A) | Results |
|                                                         | N/A         | N/A    | 5                | N/A       | N/A             | N/A     |

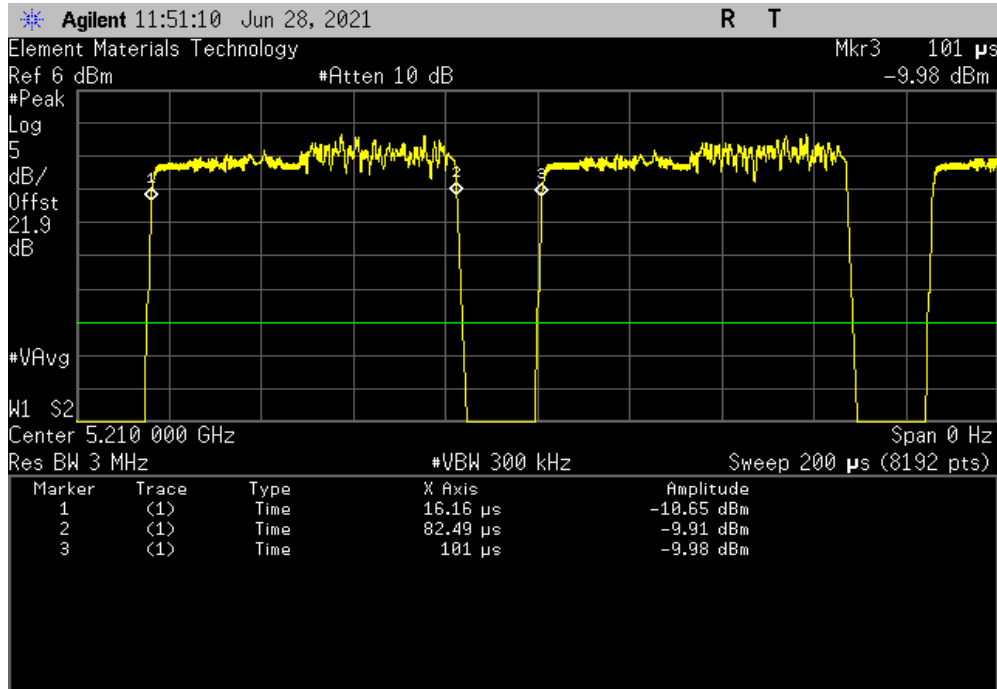


# DUTY CYCLE - 5.2 GHZ BAND



TUTx 2021.03.19.1 XMR 2020.12.30.0

| 80 MHz, 802.11(ac) MCS9 (256-QAM), Ch 36-48, Low Channel 5210 MHz |           |                  |           |           |         |  |
|-------------------------------------------------------------------|-----------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                       | Period    | Number of Pulses | Value (%) | Limit     | Results |  |
| 66.337 us                                                         | 84.818 us | 1                | 78.2      | N/A (N/A) | N/A     |  |



| 80 MHz, 802.11(ac) MCS9 (256-QAM), Ch 36-48, Low Channel 5210 MHz |        |                  |           |           |         |  |
|-------------------------------------------------------------------|--------|------------------|-----------|-----------|---------|--|
| Pulse Width                                                       | Period | Number of Pulses | Value (%) | Limit     | Results |  |
| N/A                                                               | N/A    | 5                | N/A       | N/A (N/A) | N/A     |  |

