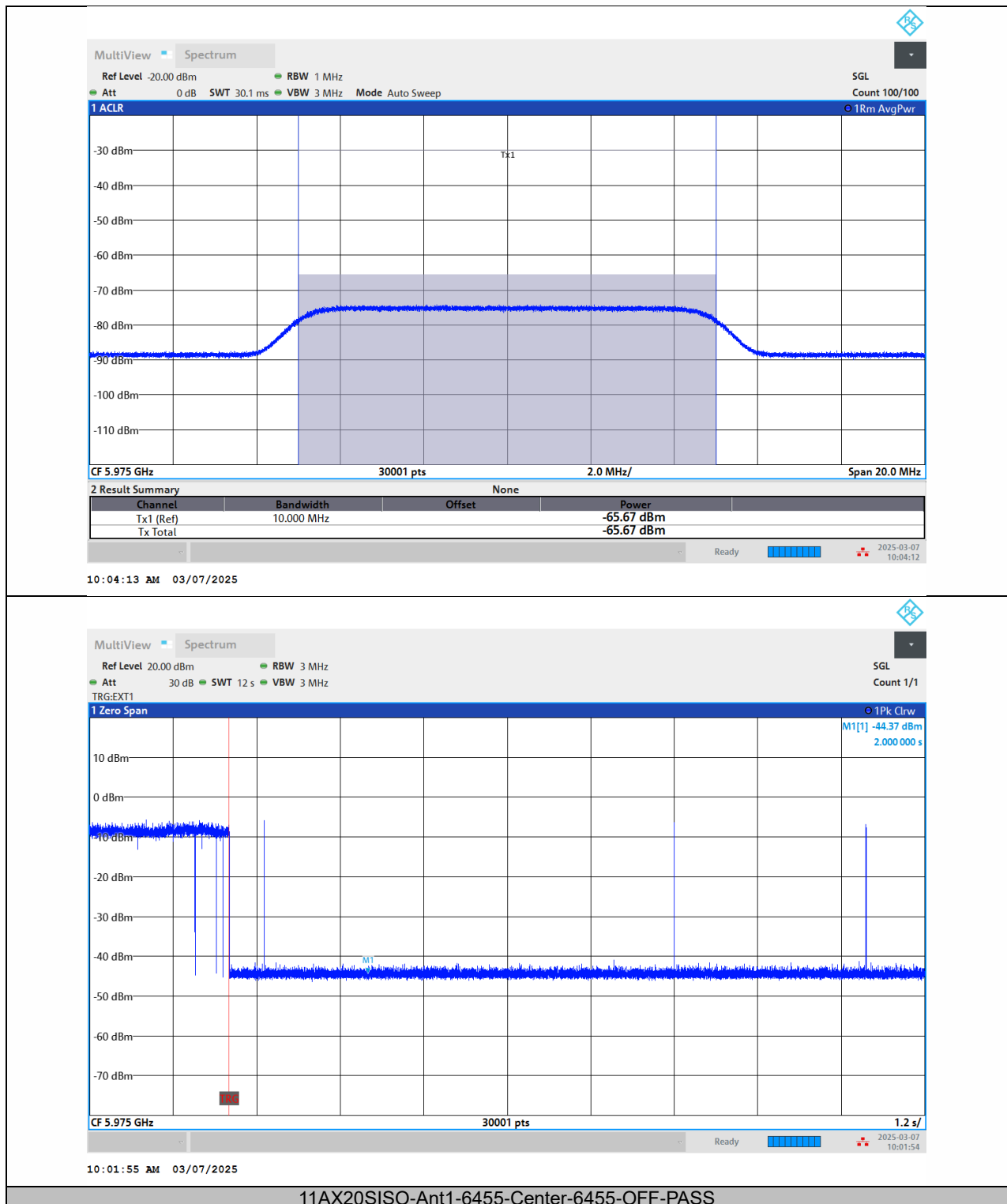
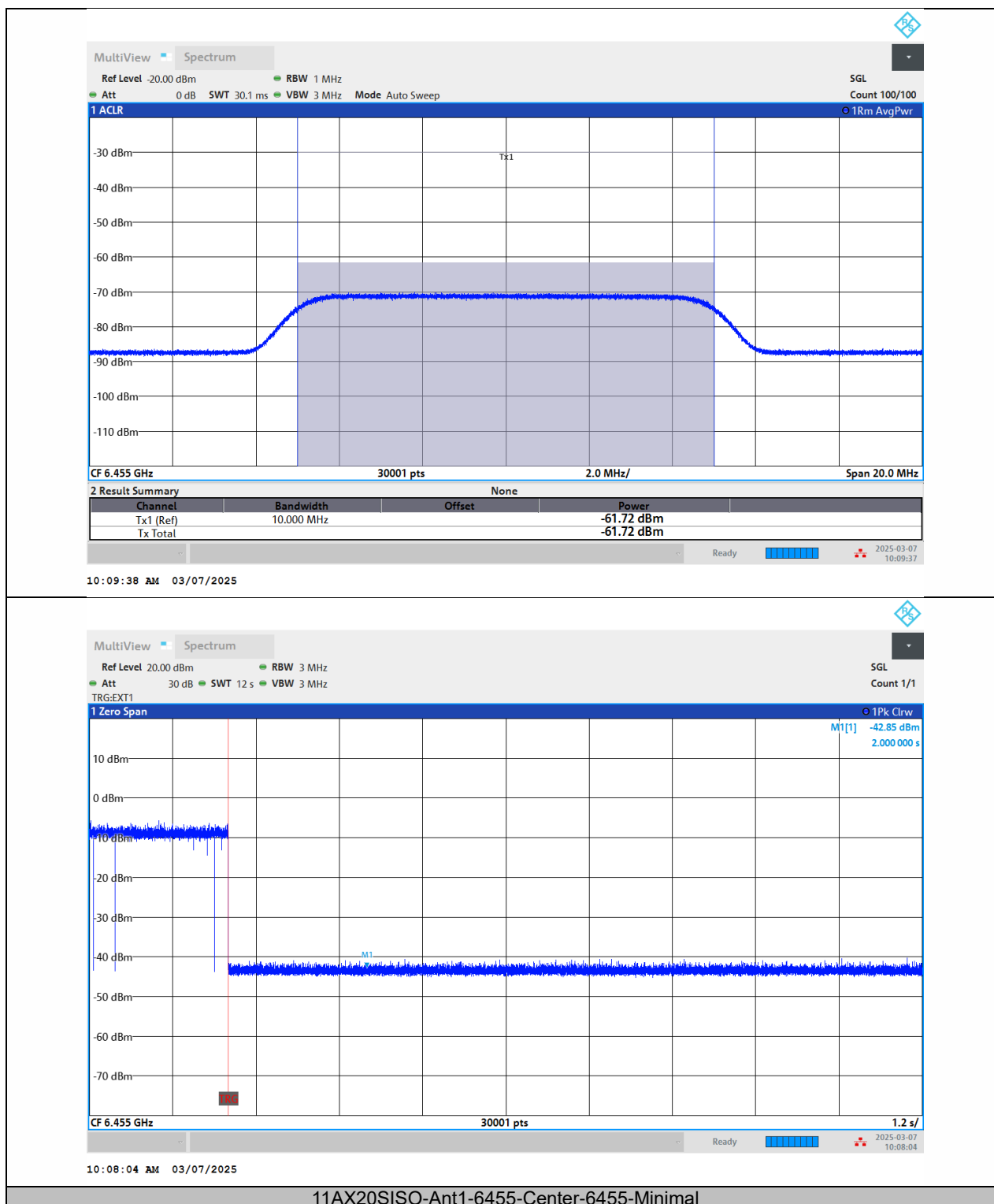
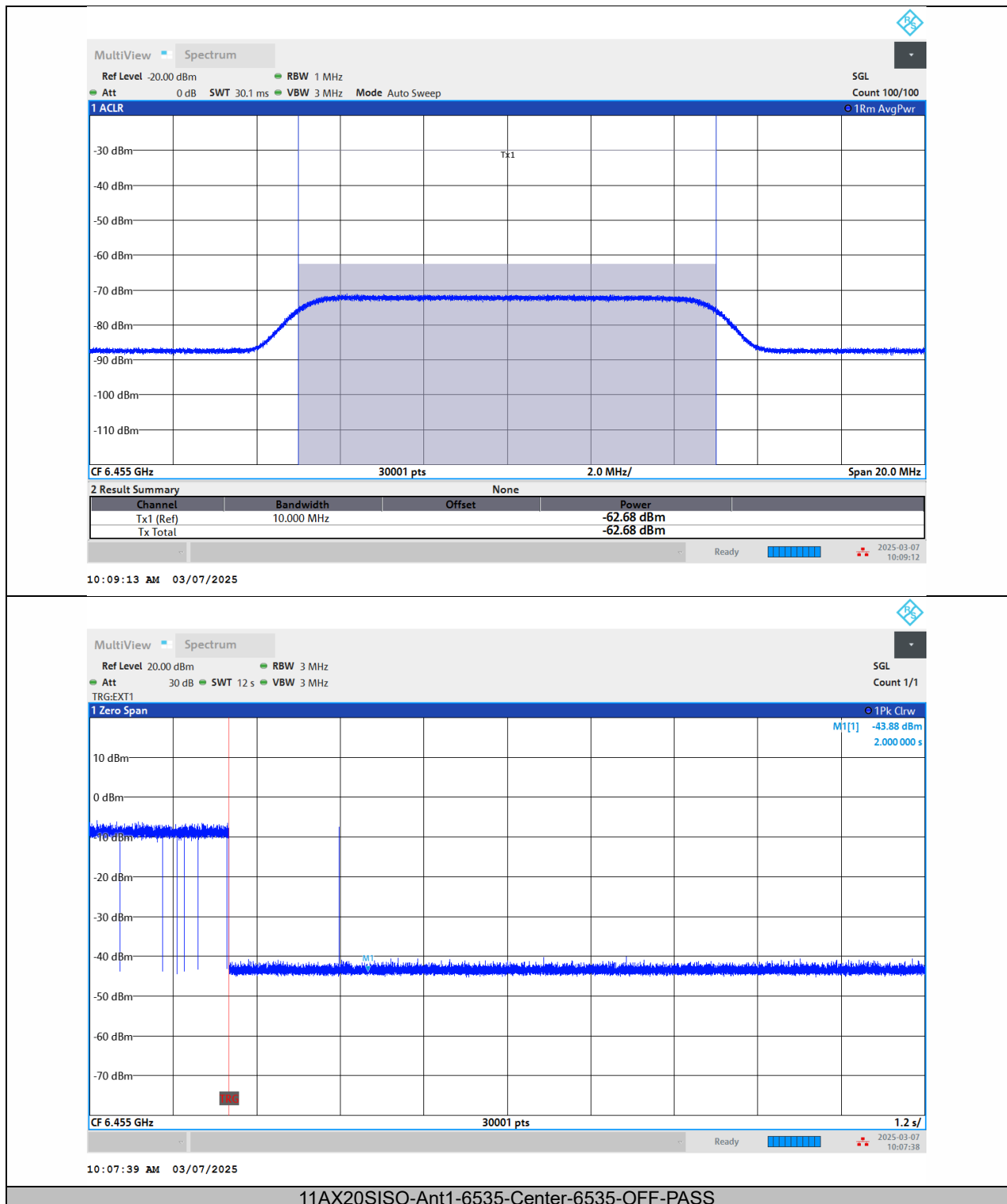
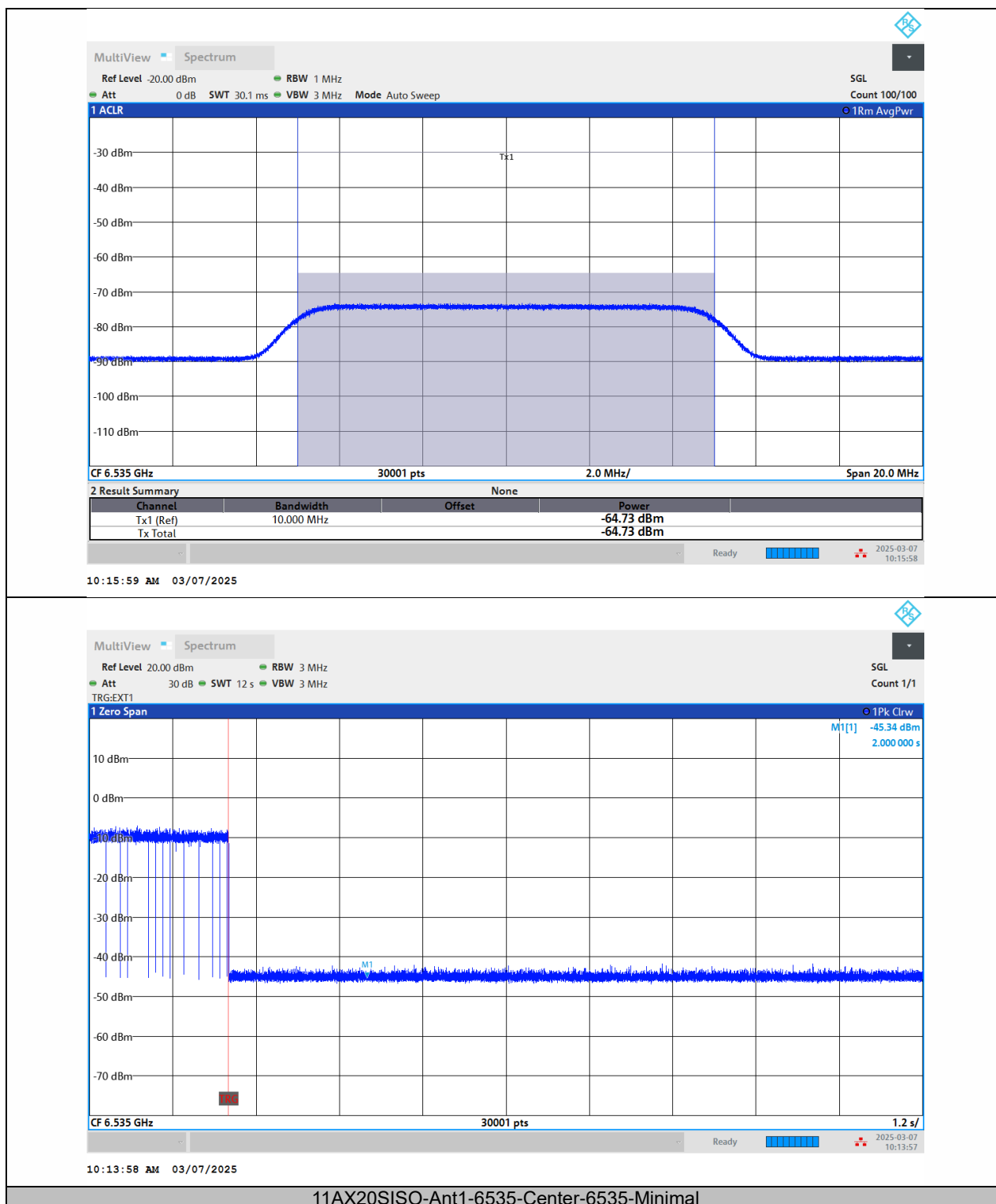
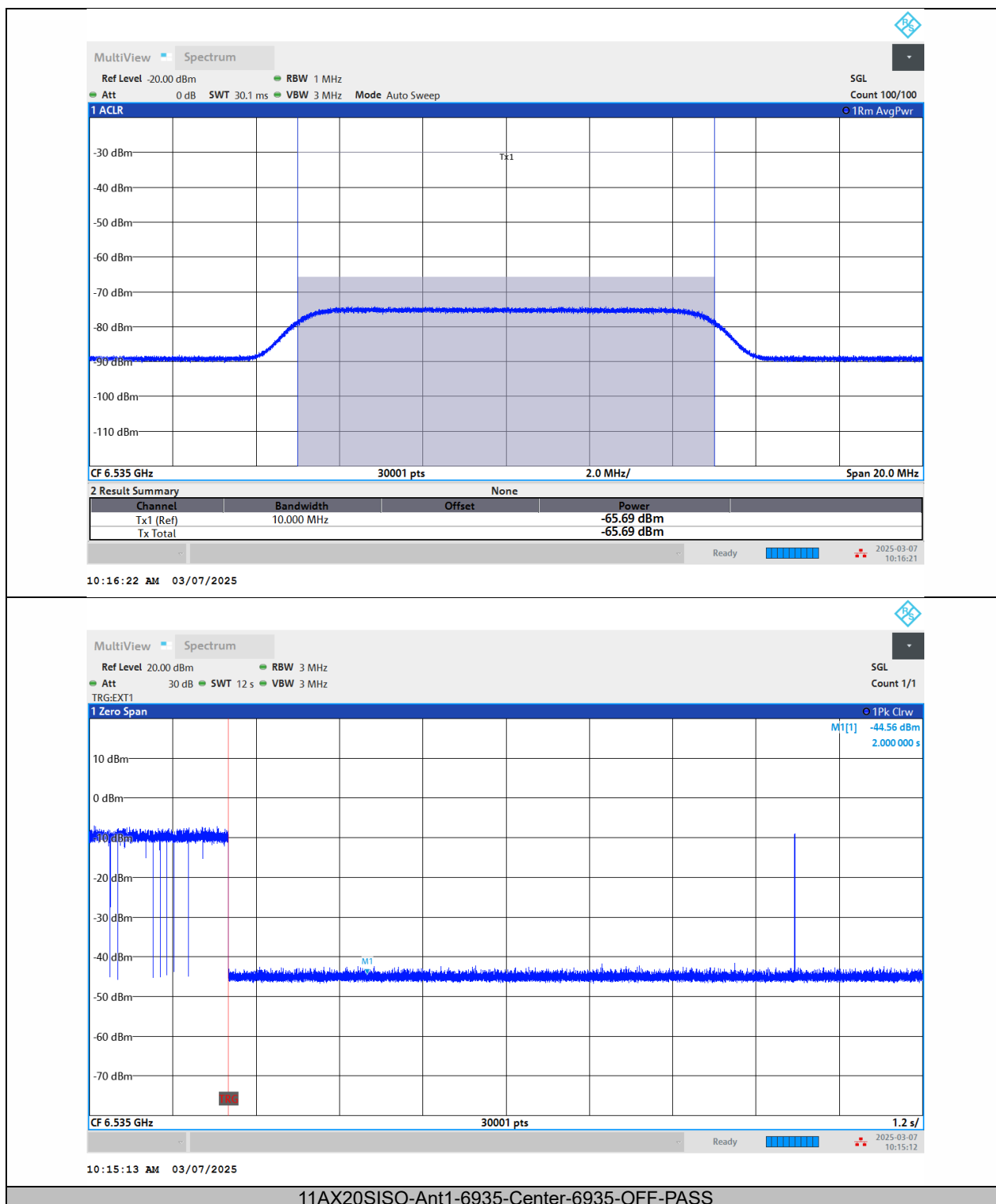


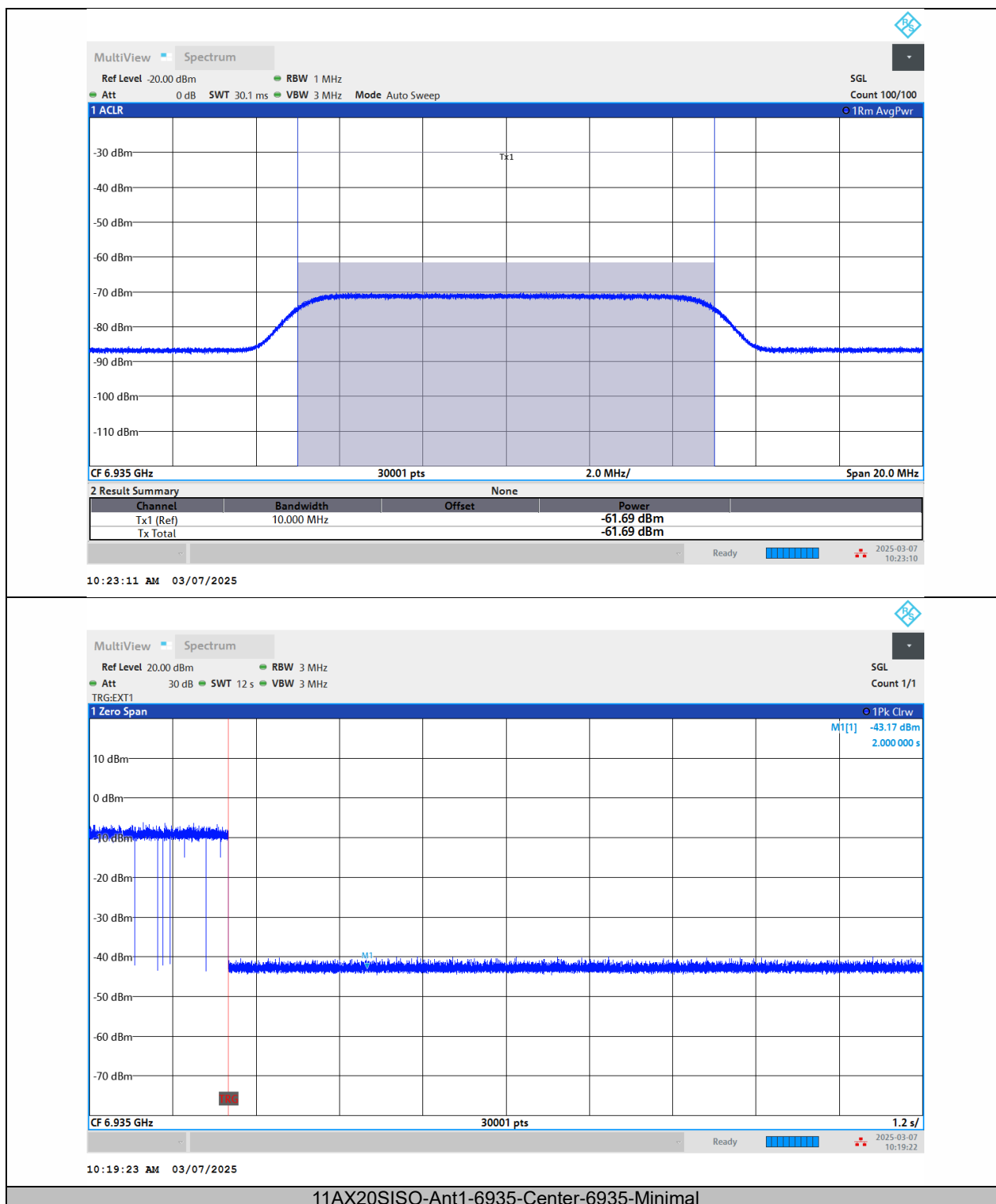


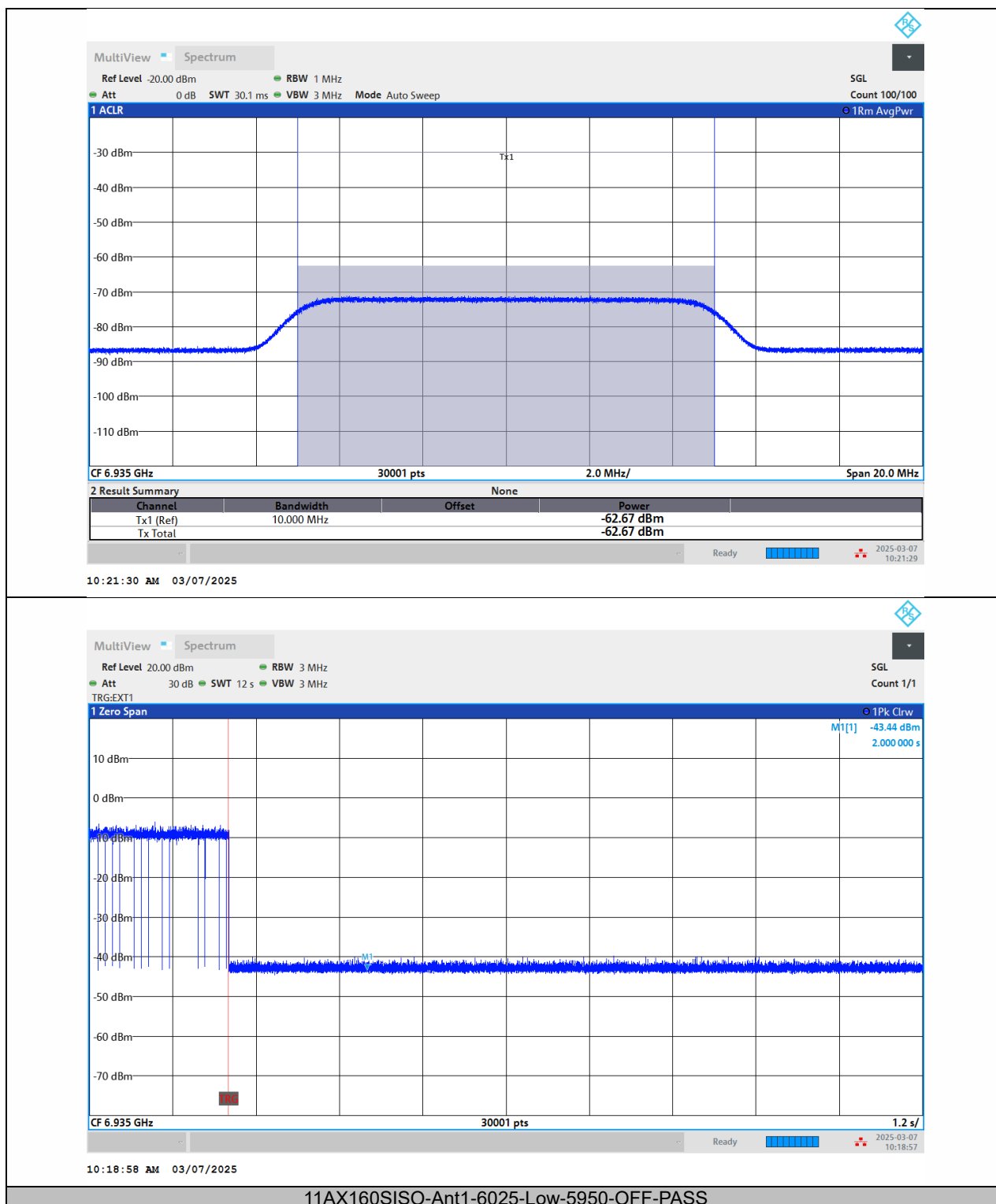


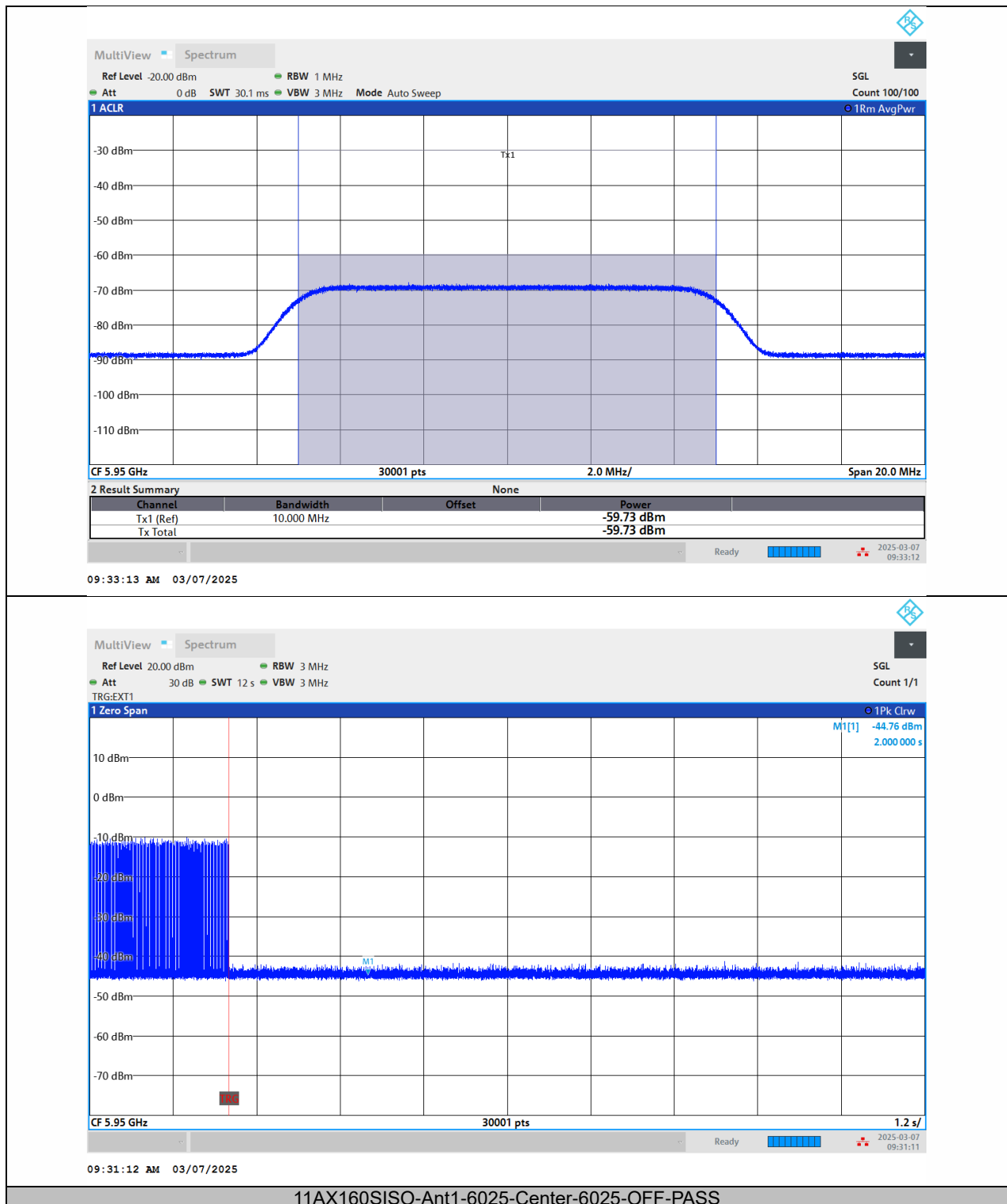


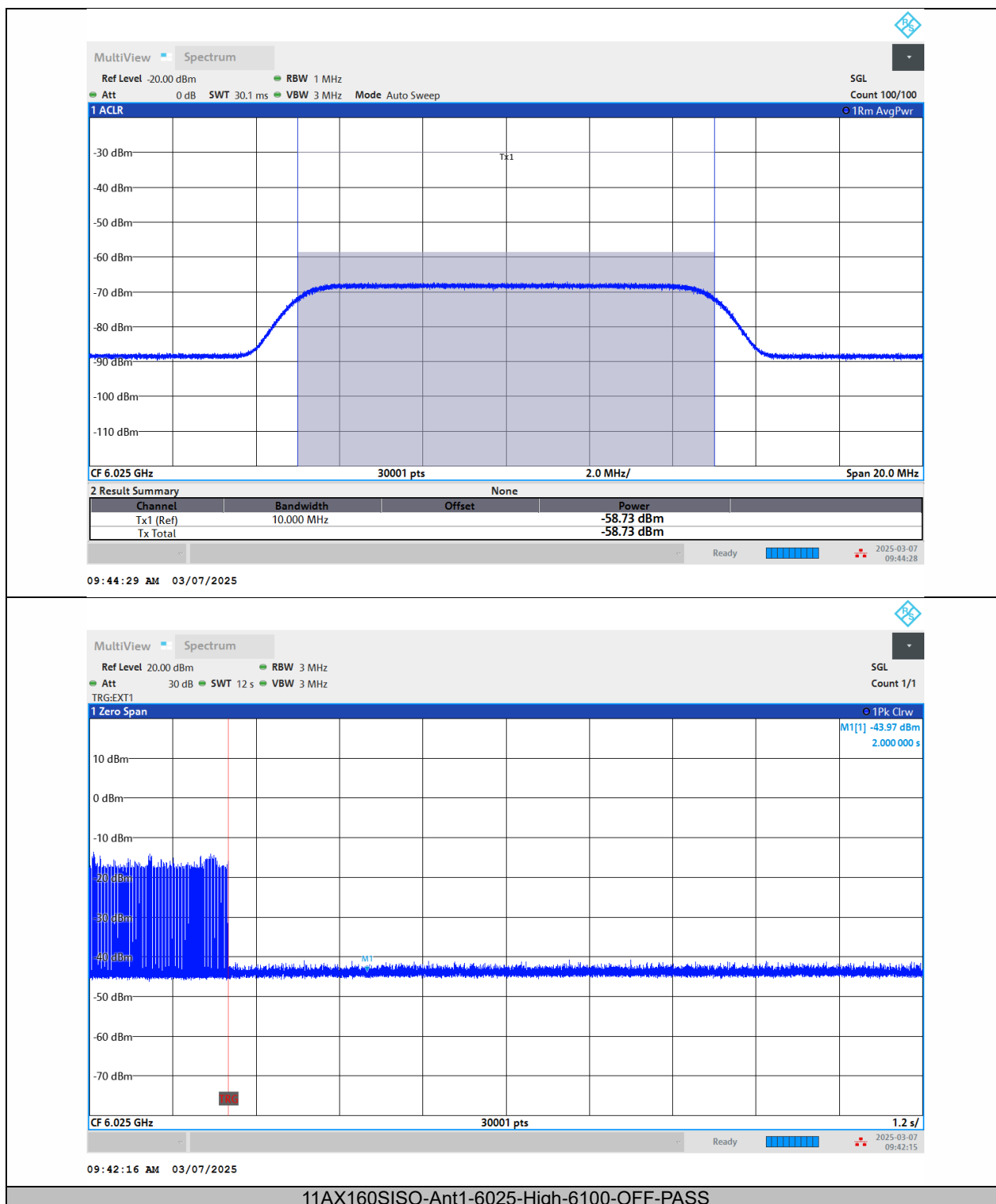


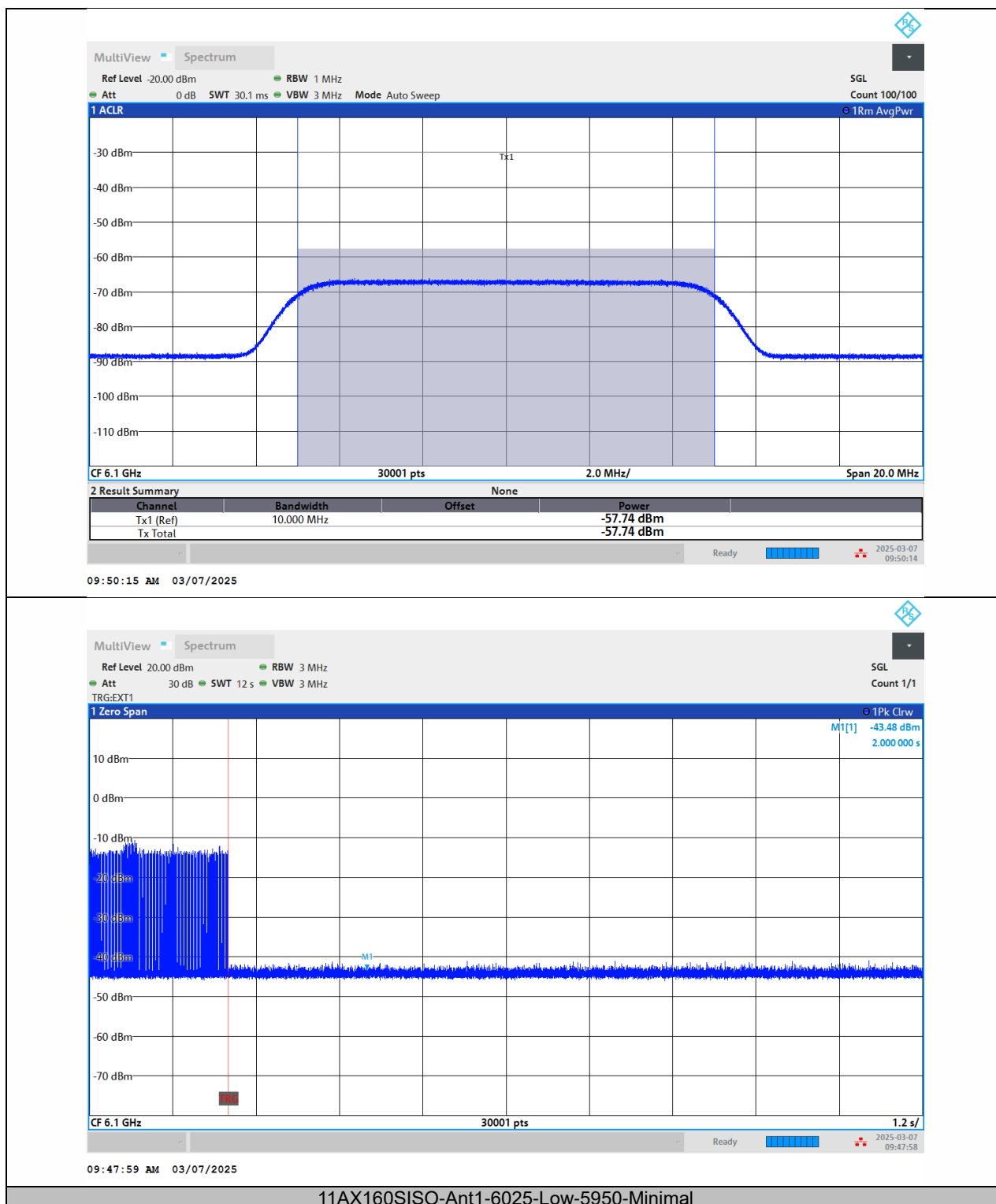


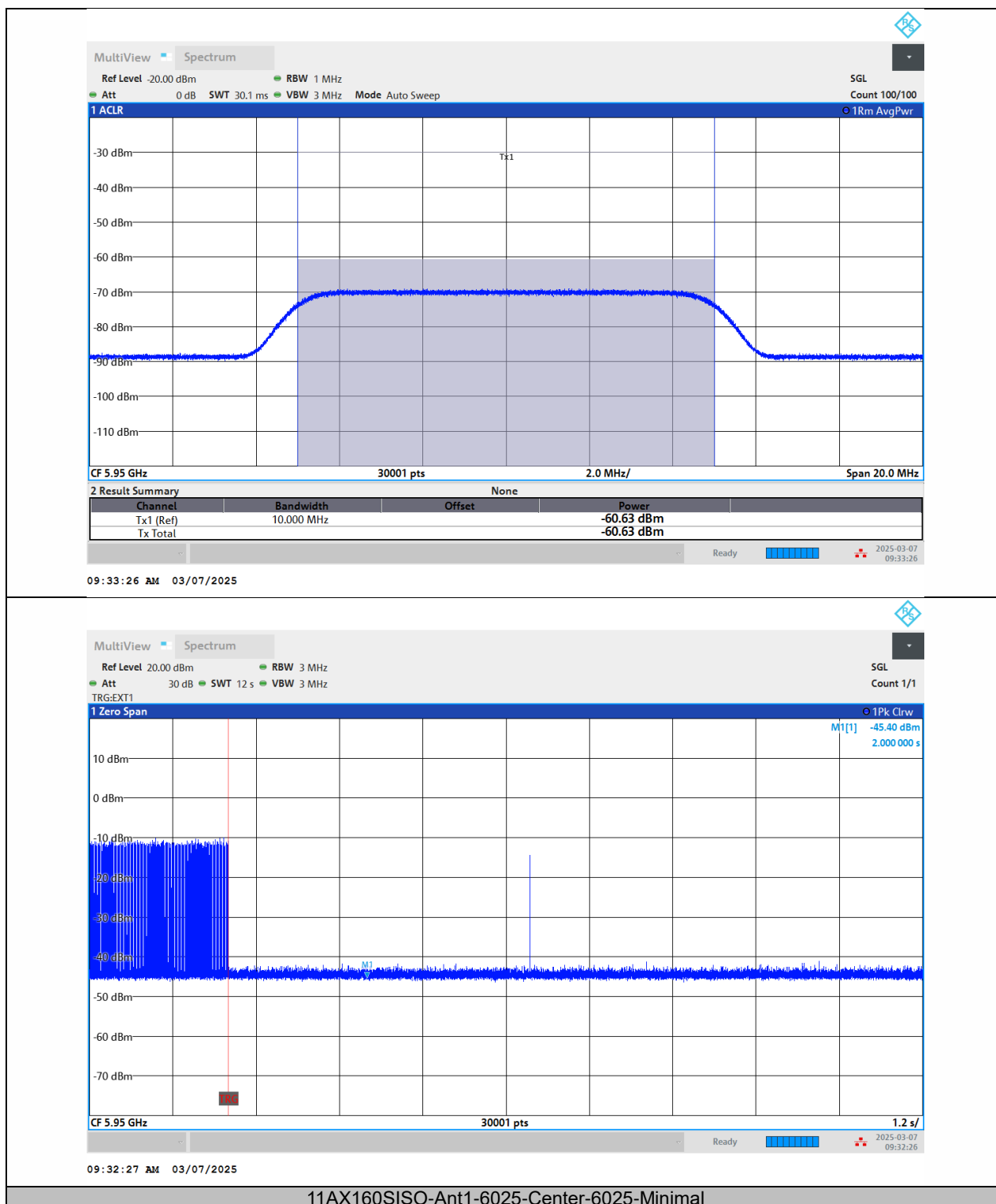




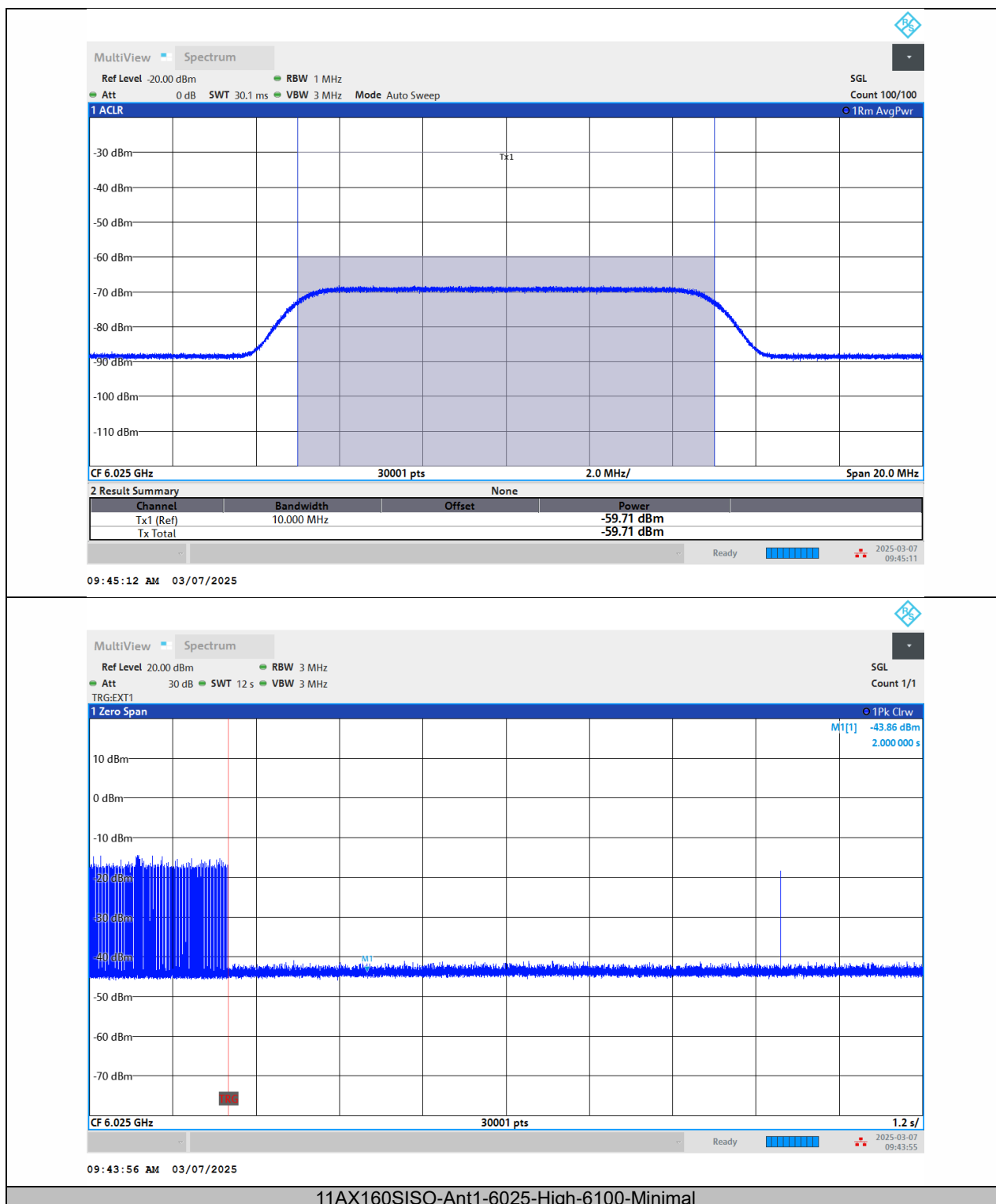


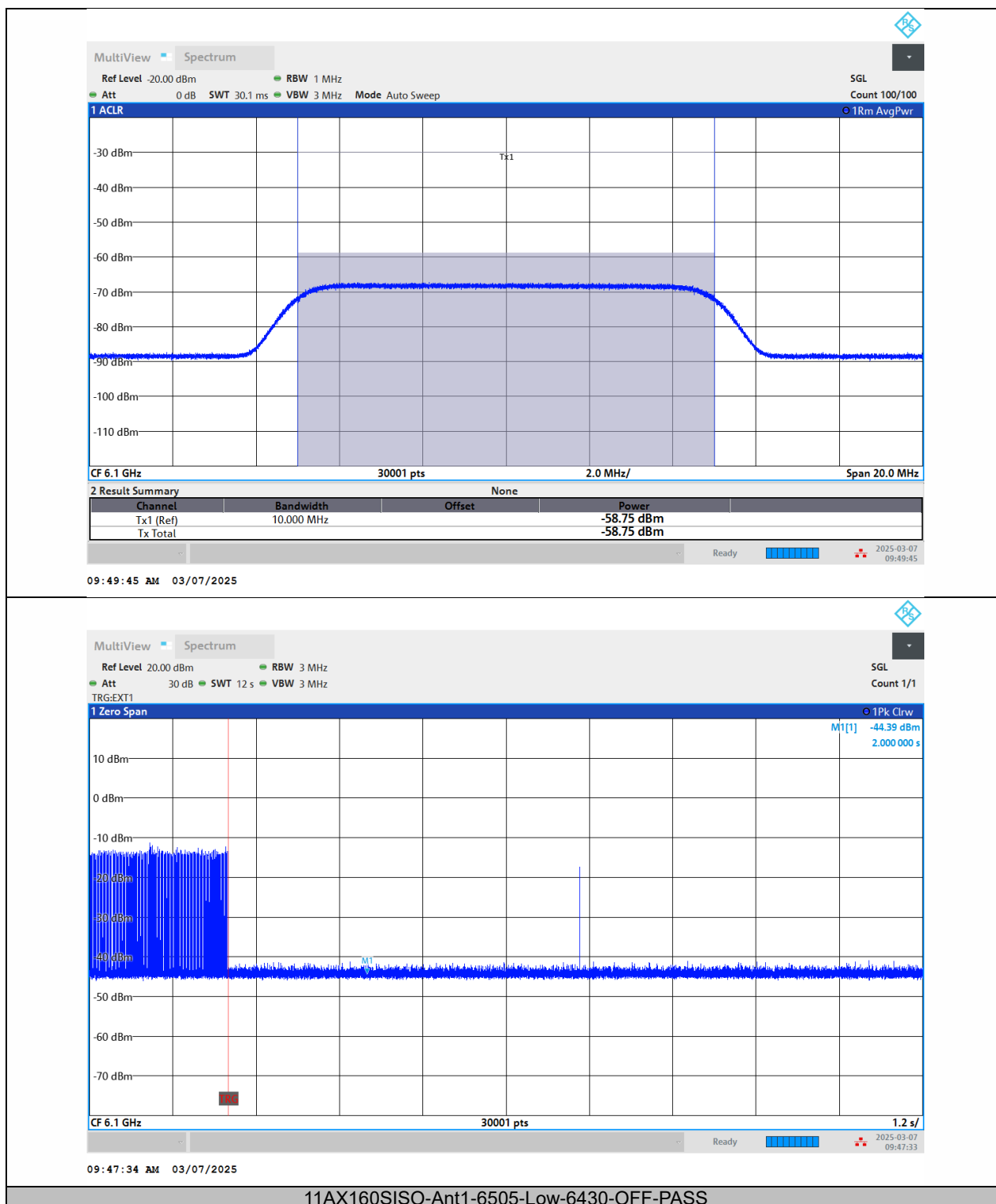


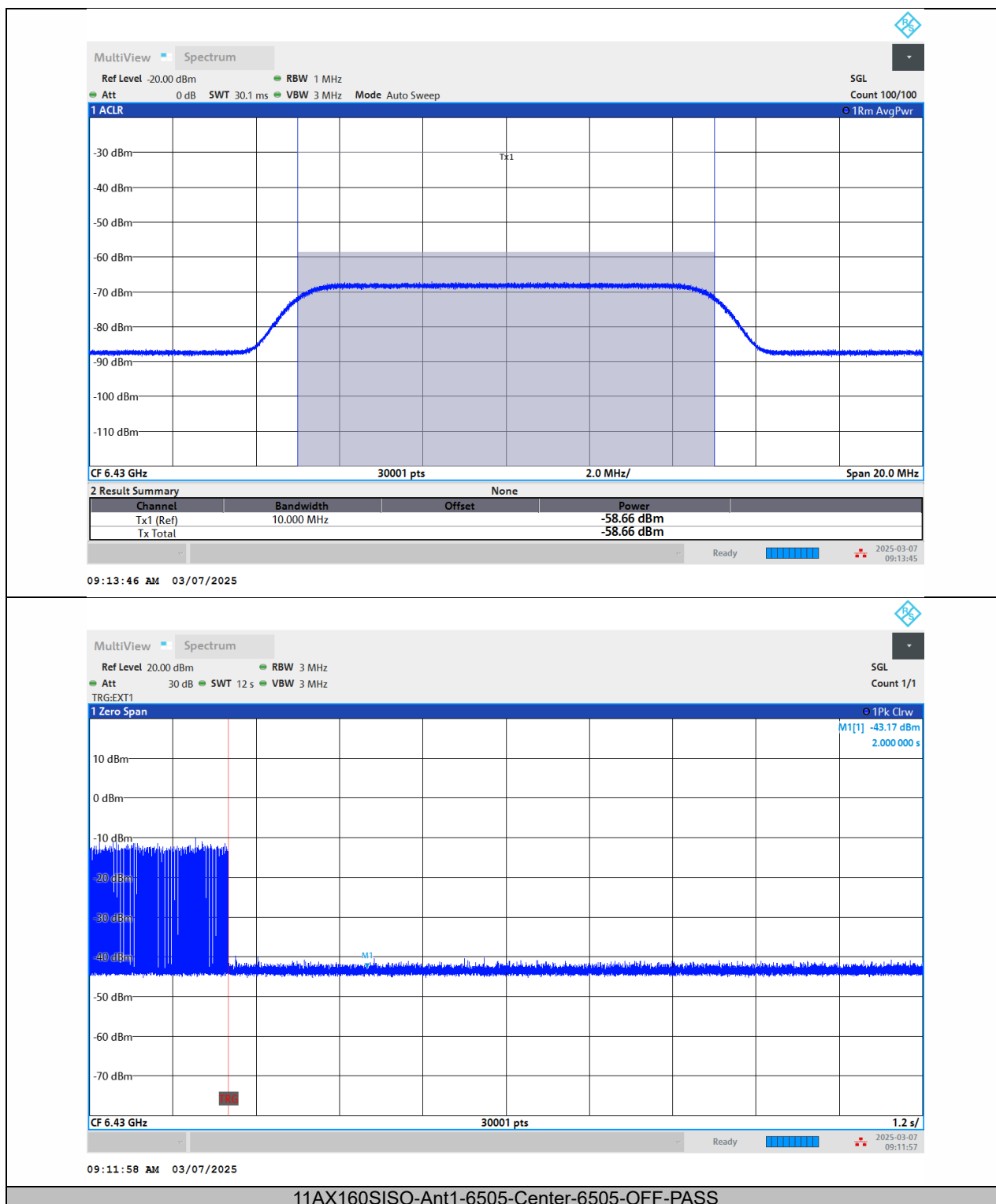


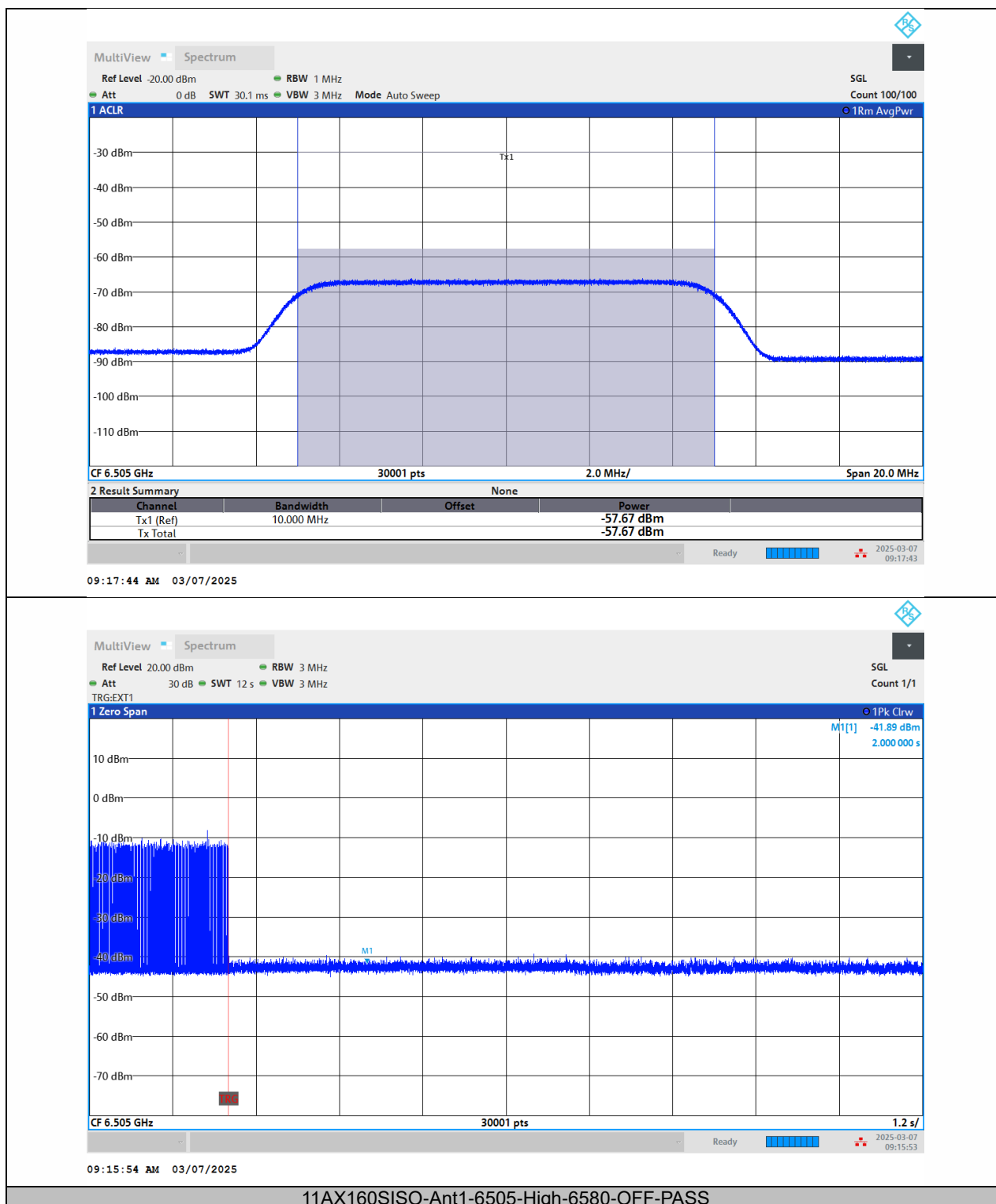


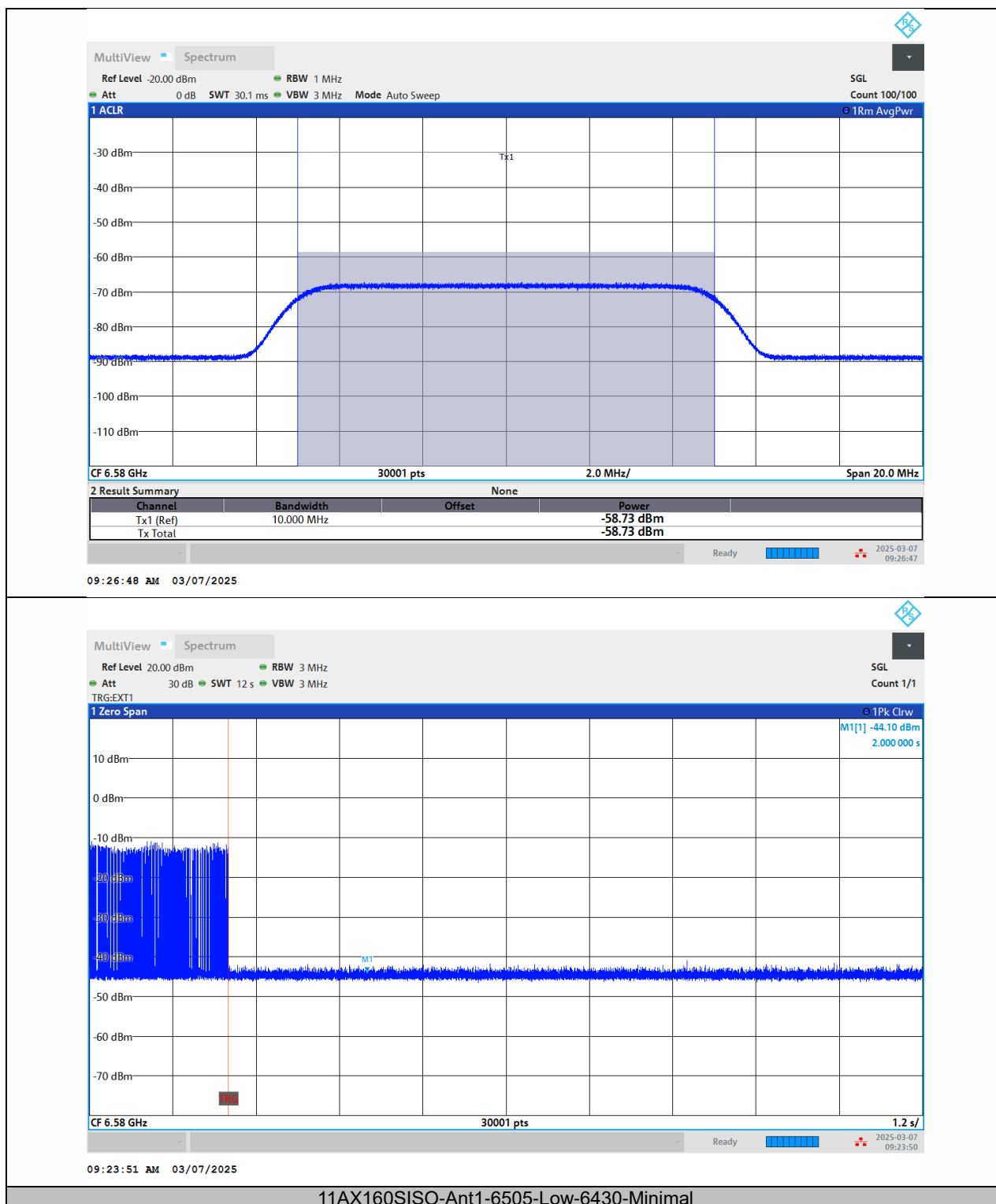
11AX160SISO-Ant1-6025-Center-6025-Minimal



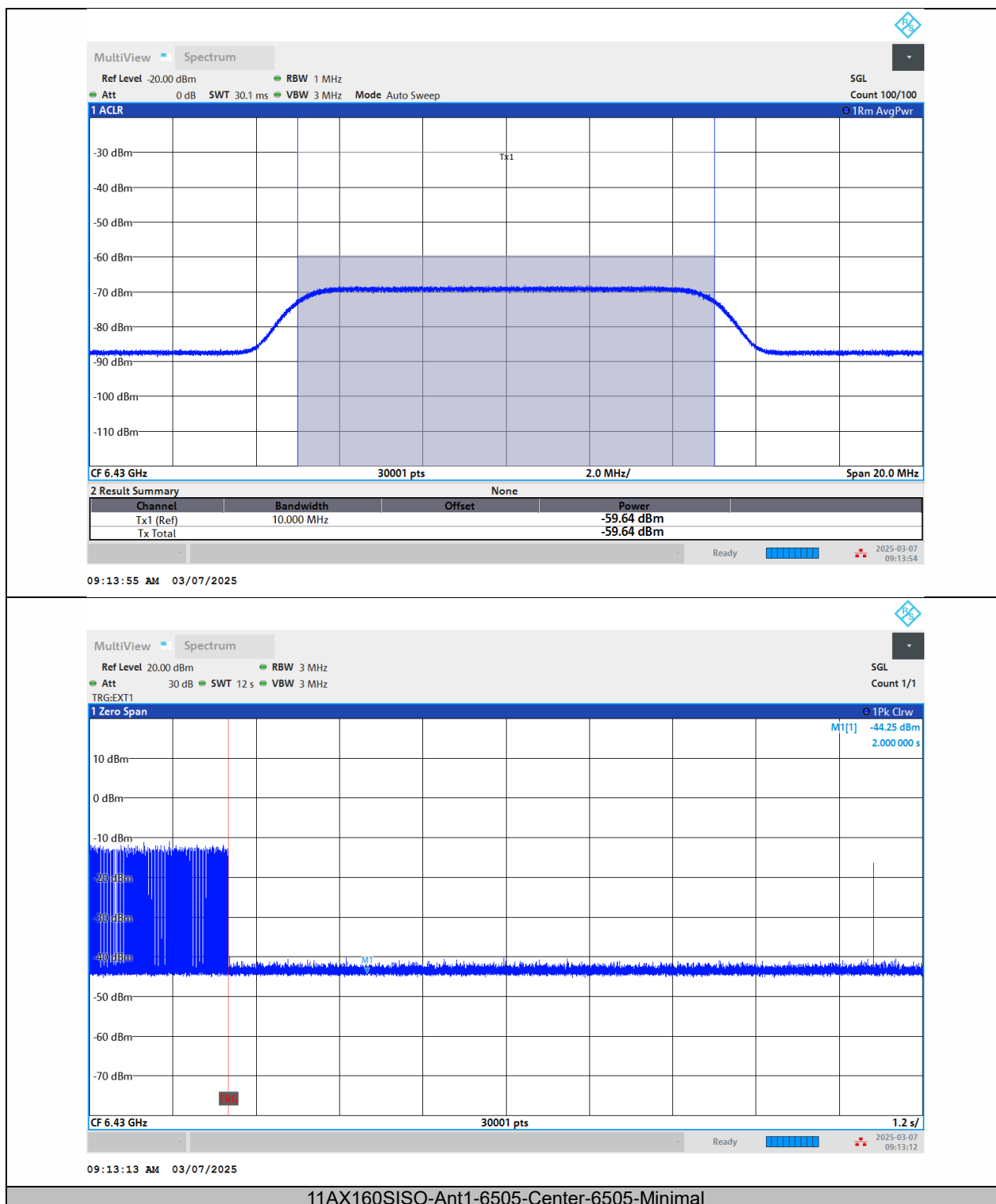




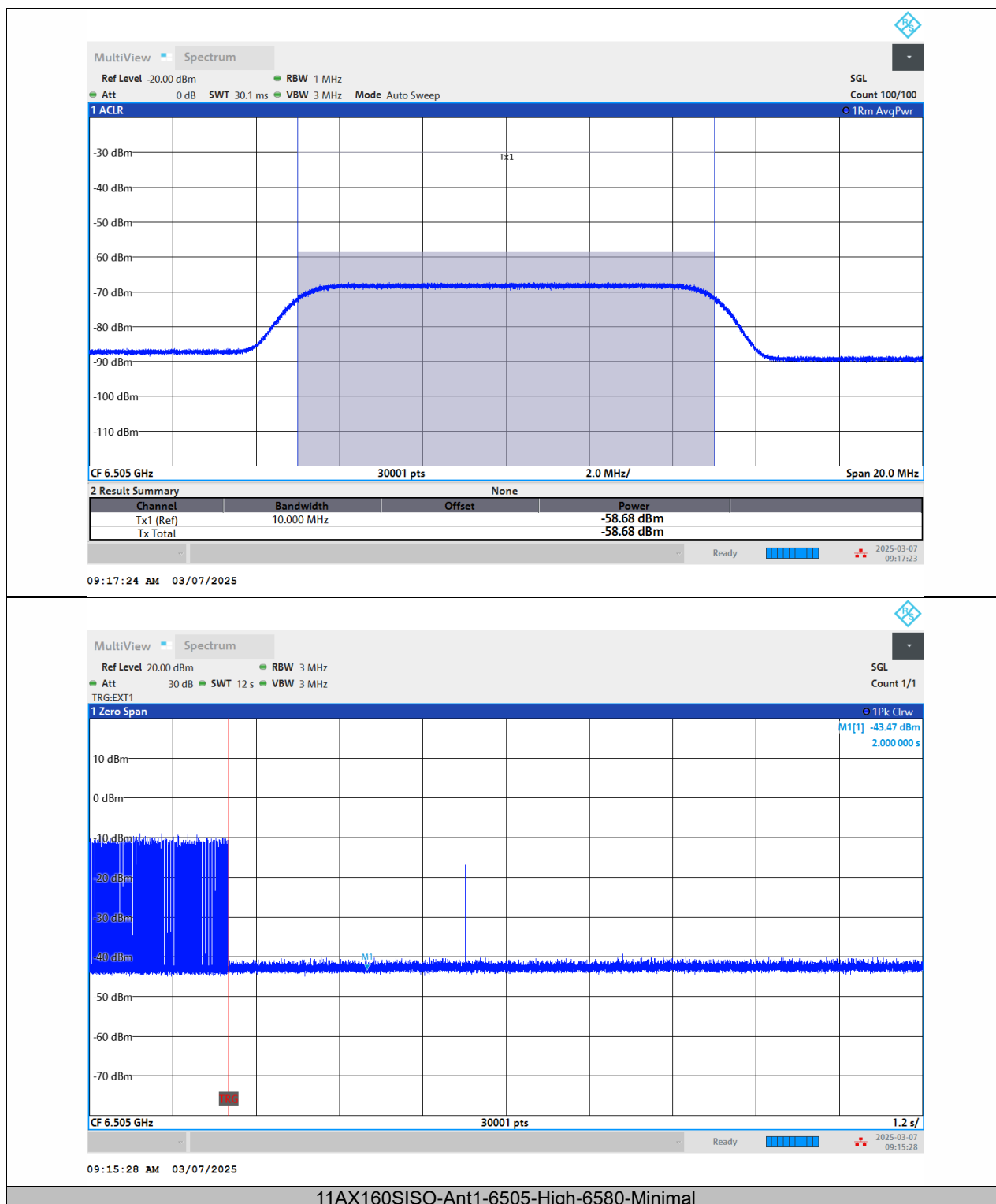


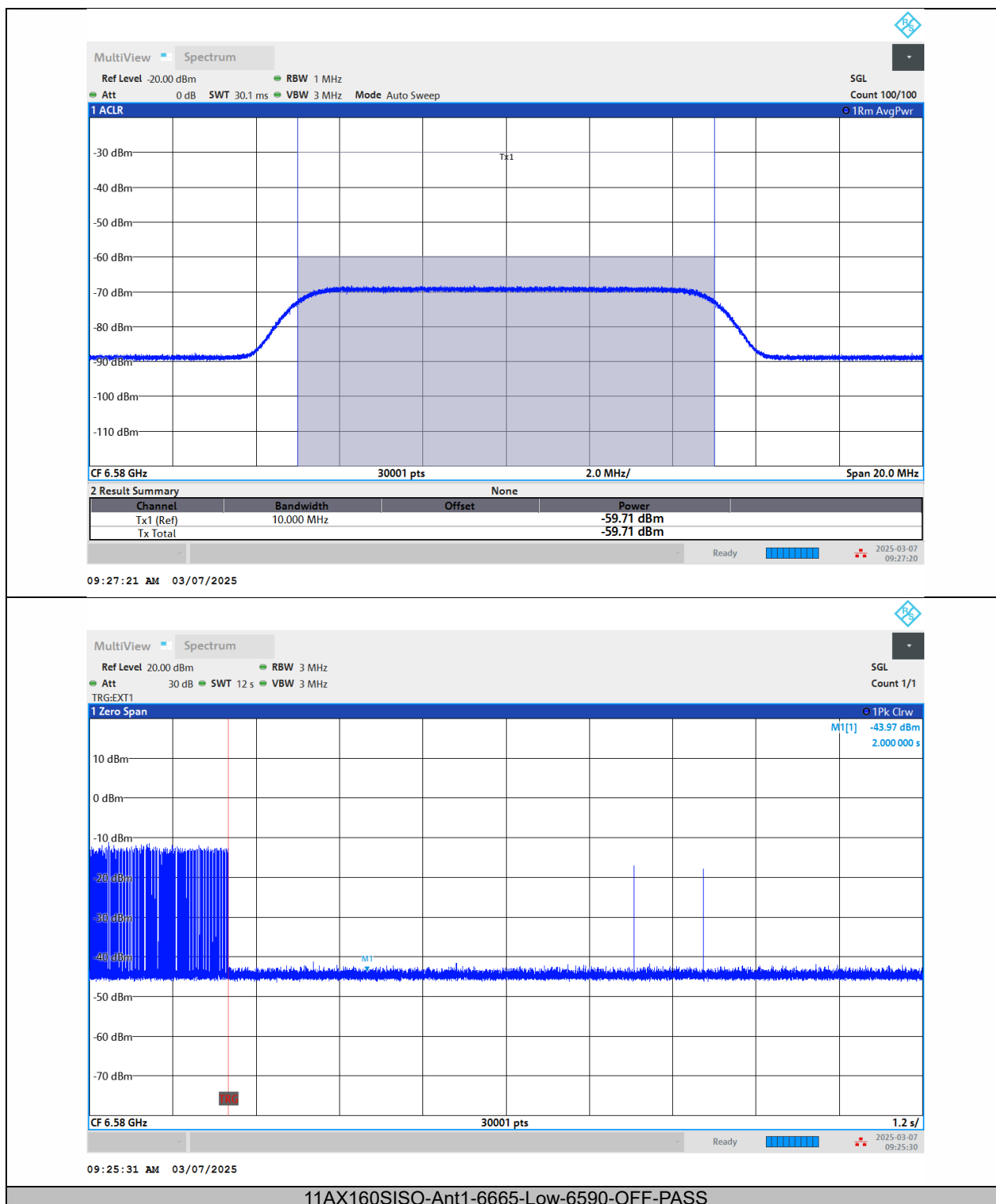


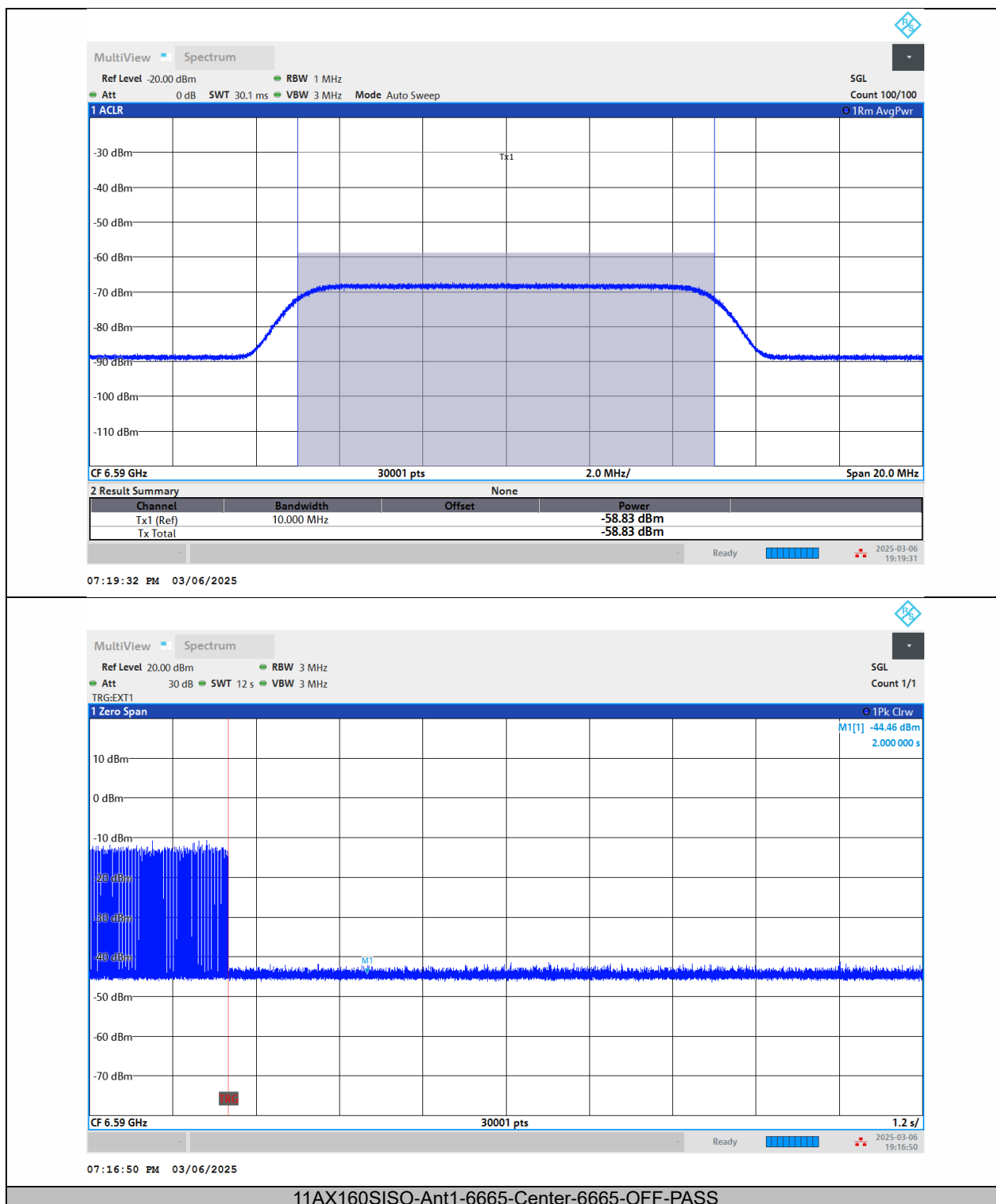
11AX160SISO-Ant1-6505-Low-6430-Minimal

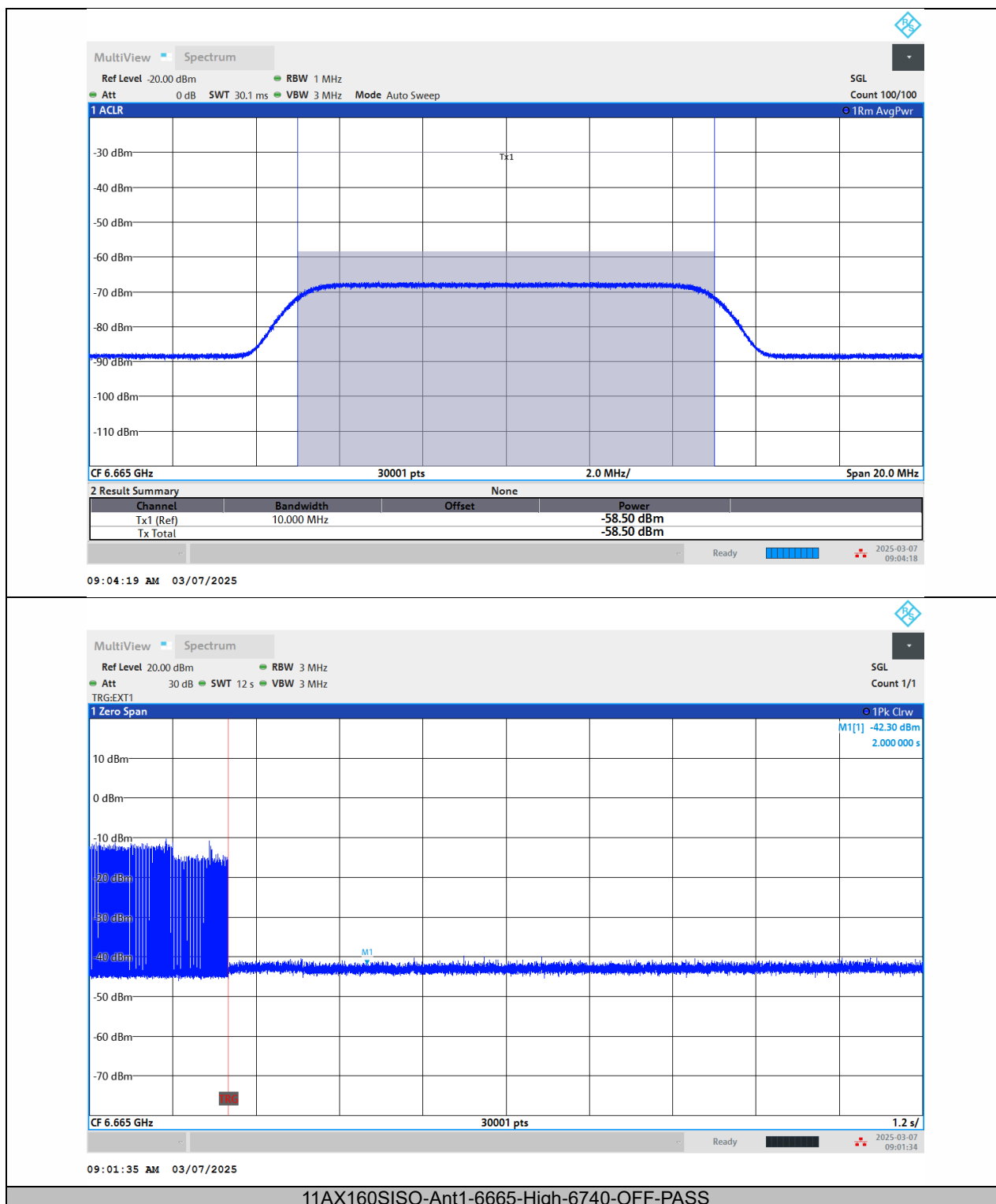


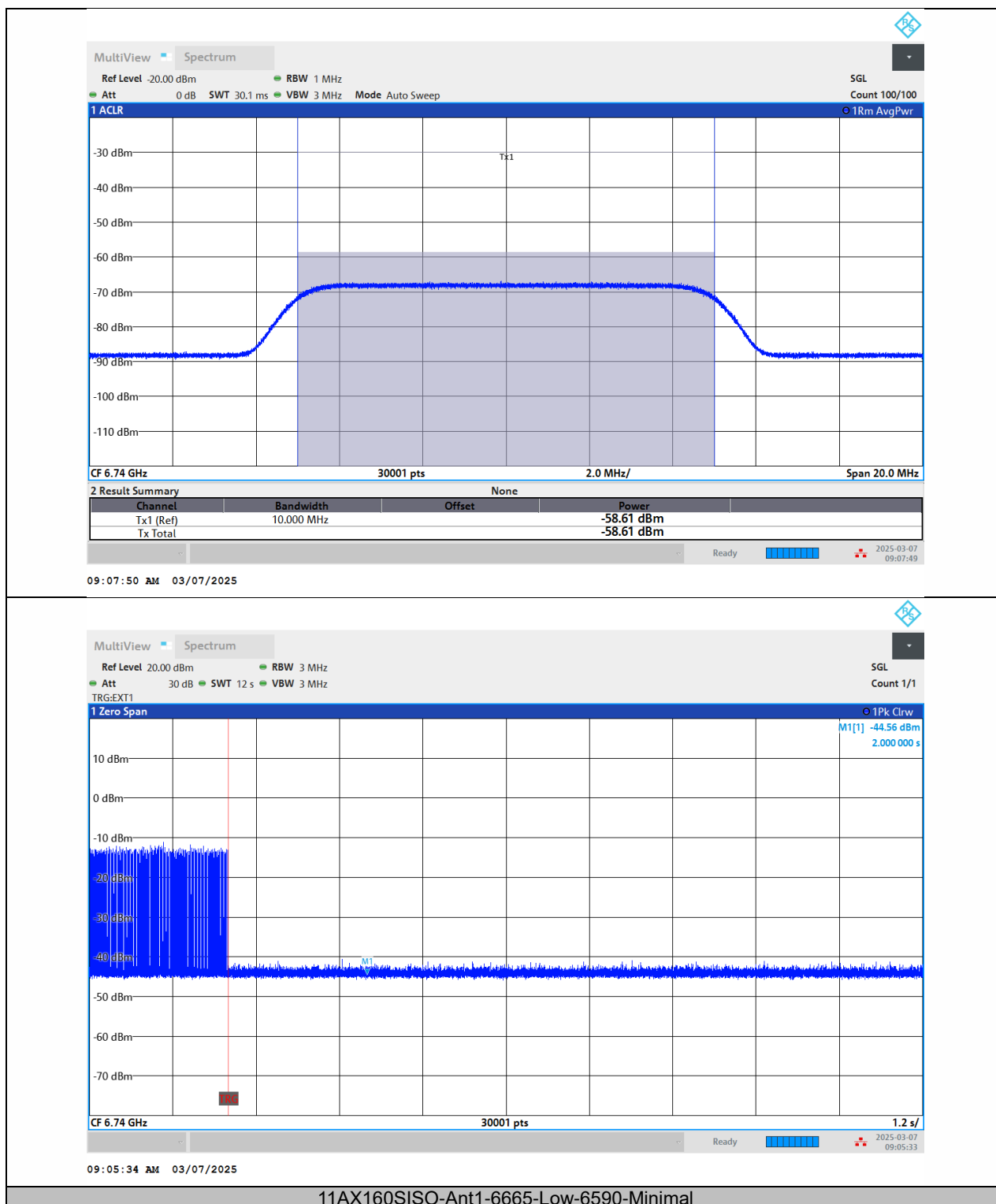
11AX160SISO-Ant1-6505-Center-6505-Minimal

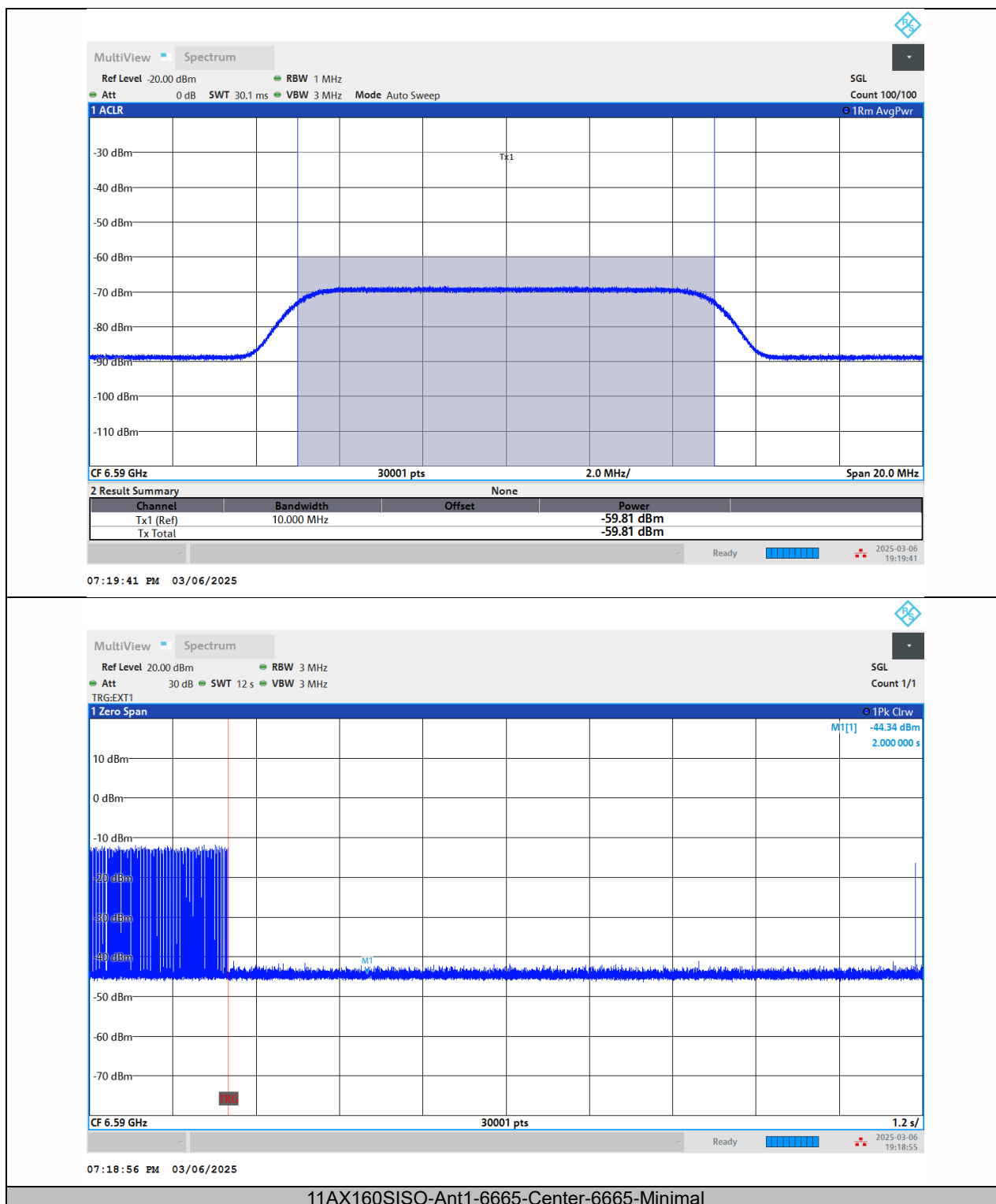


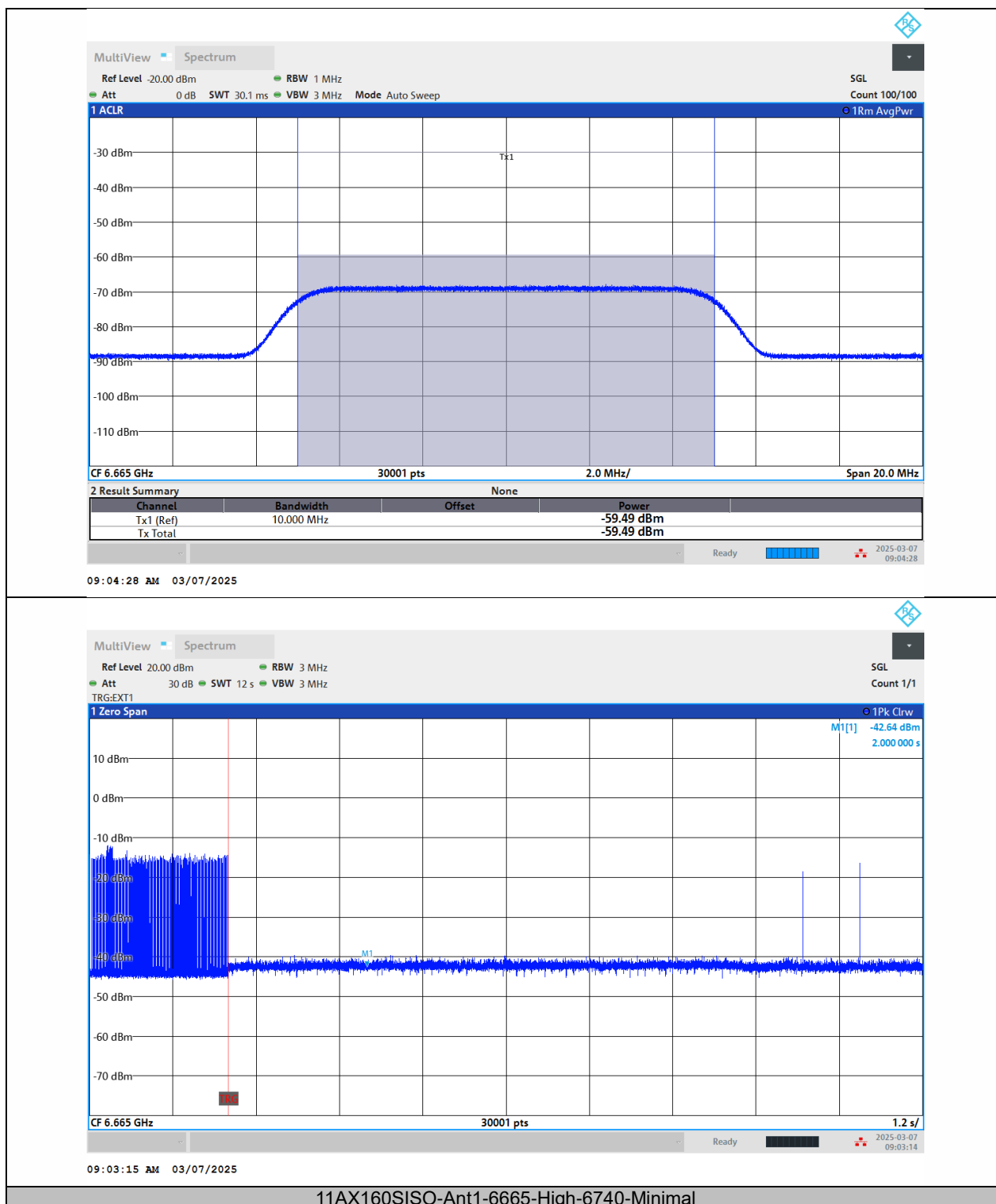


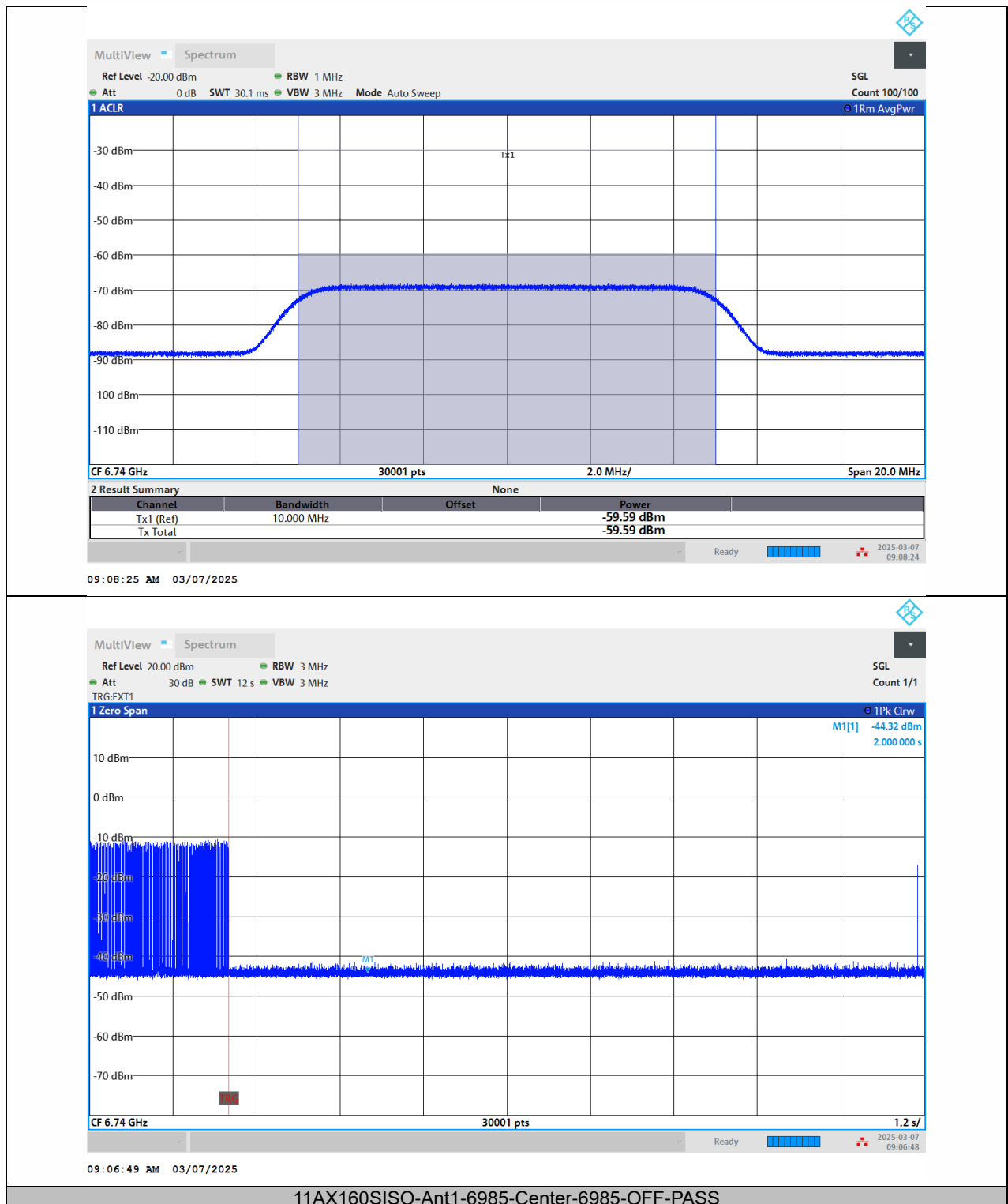


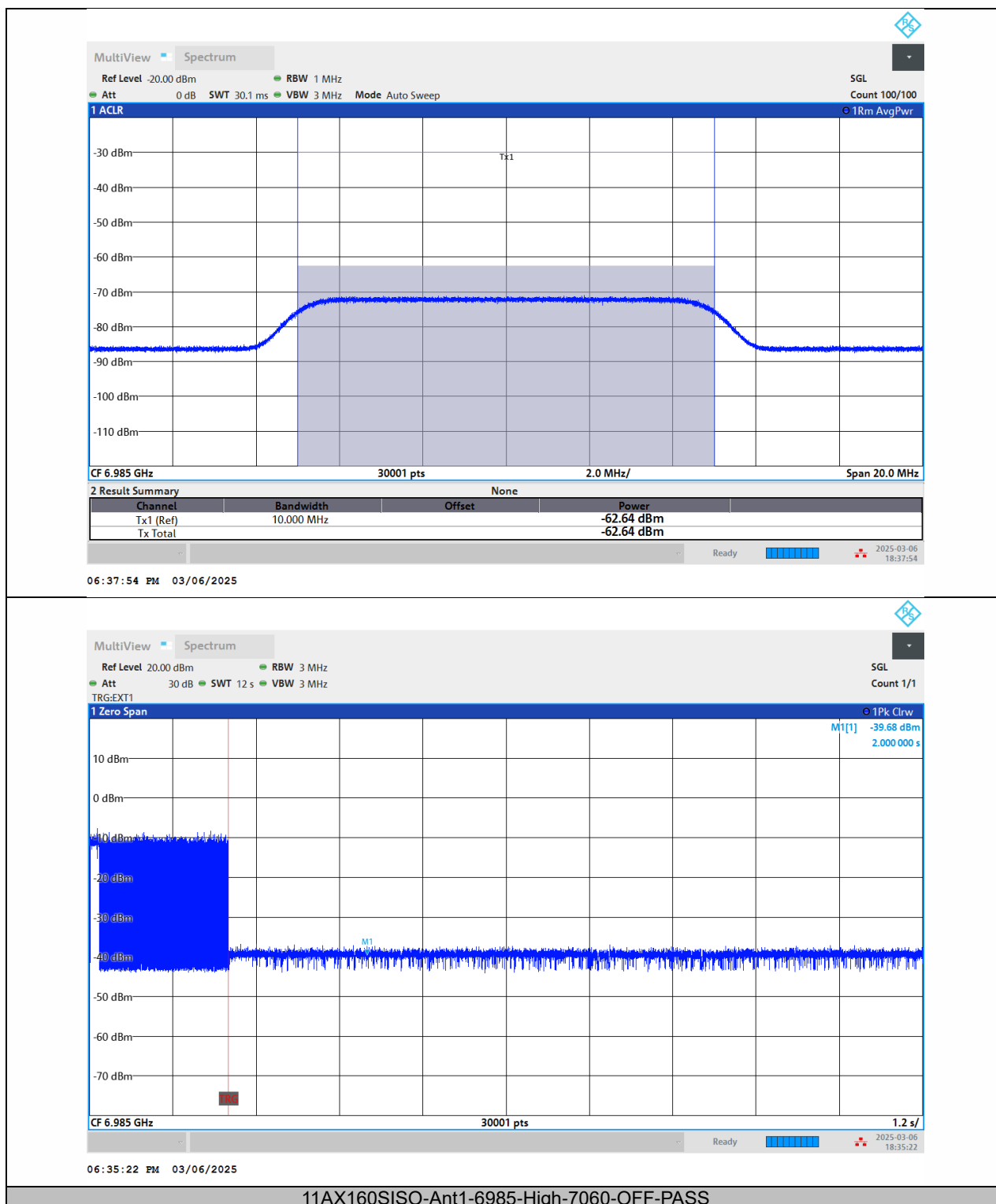


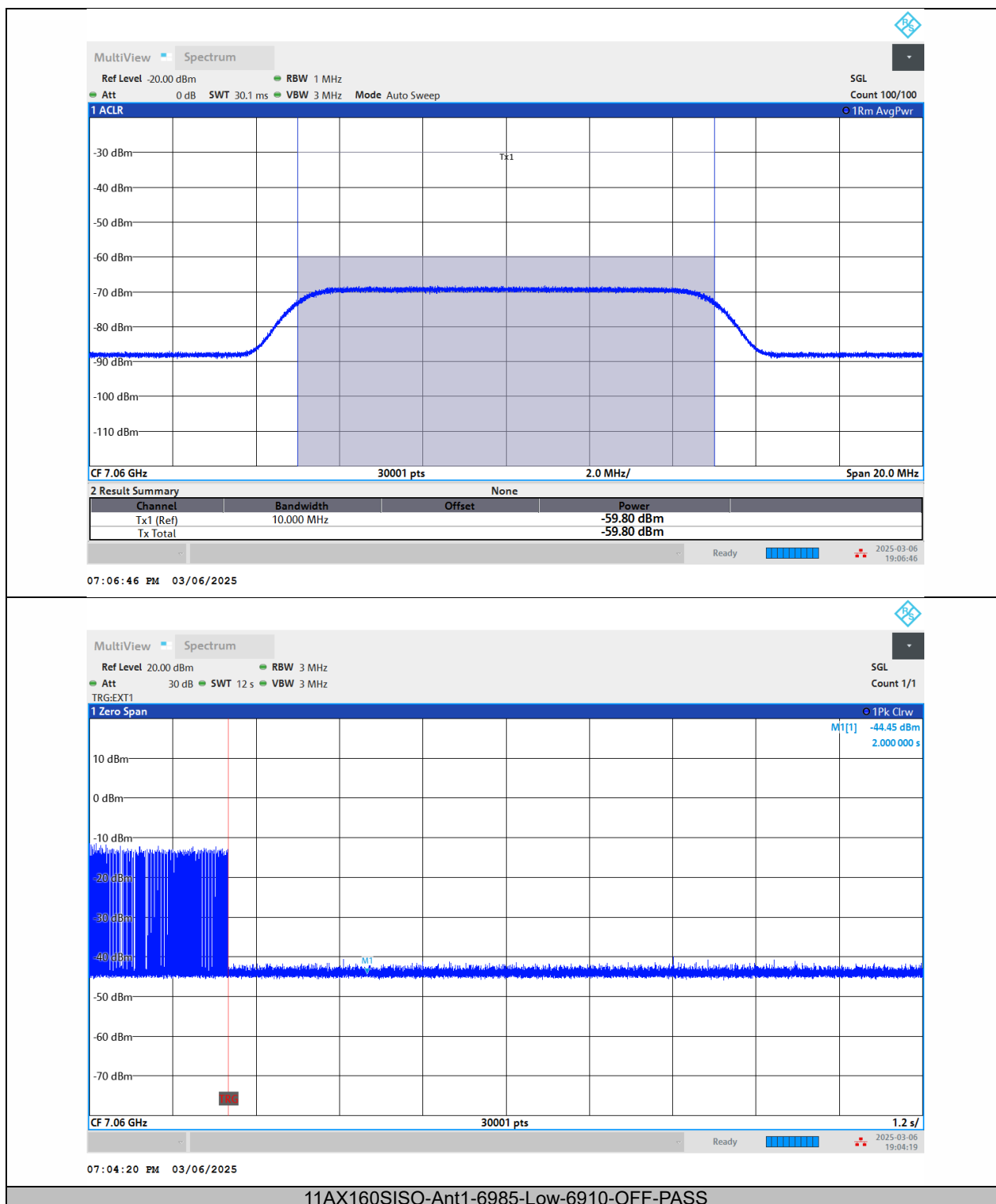


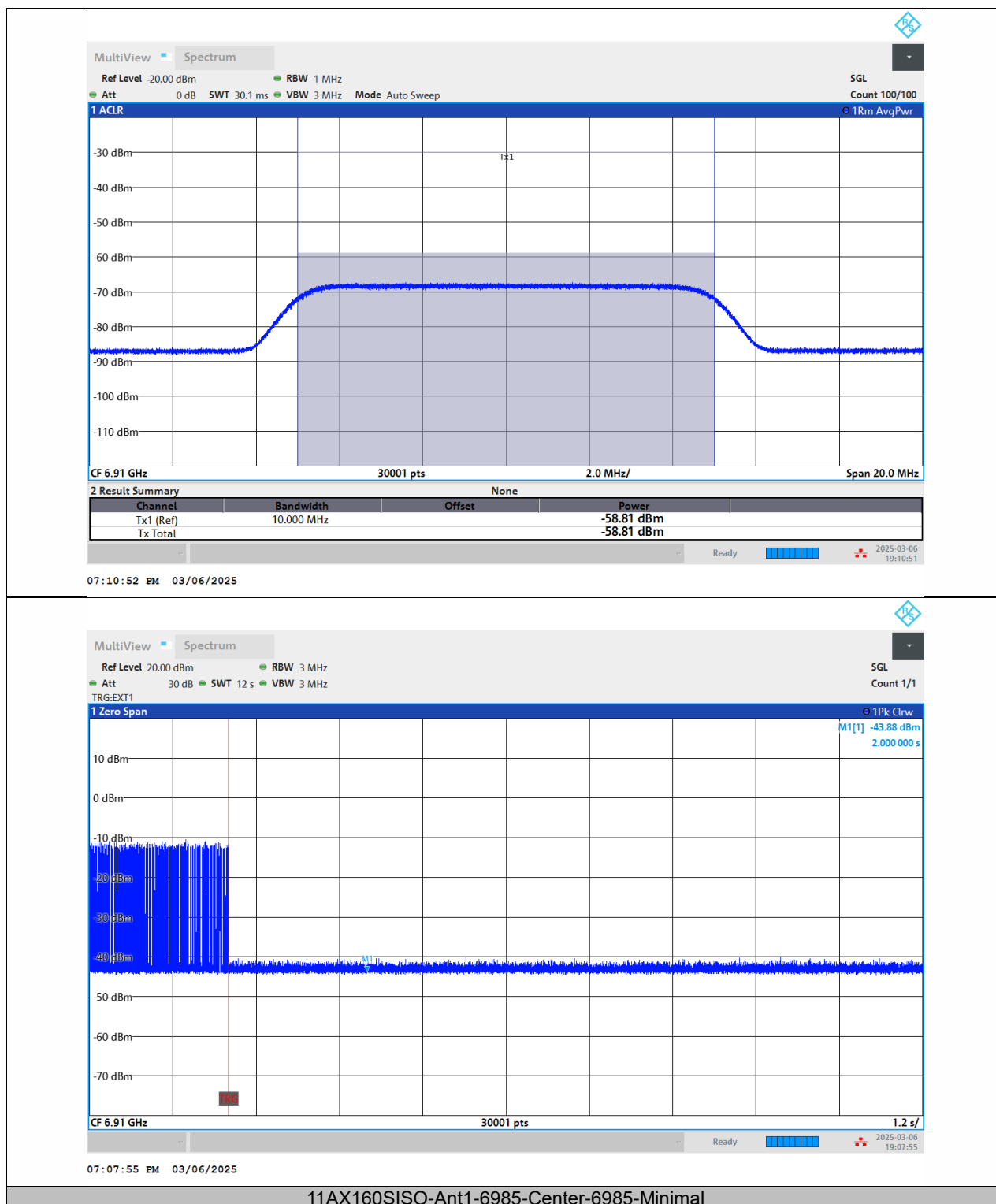


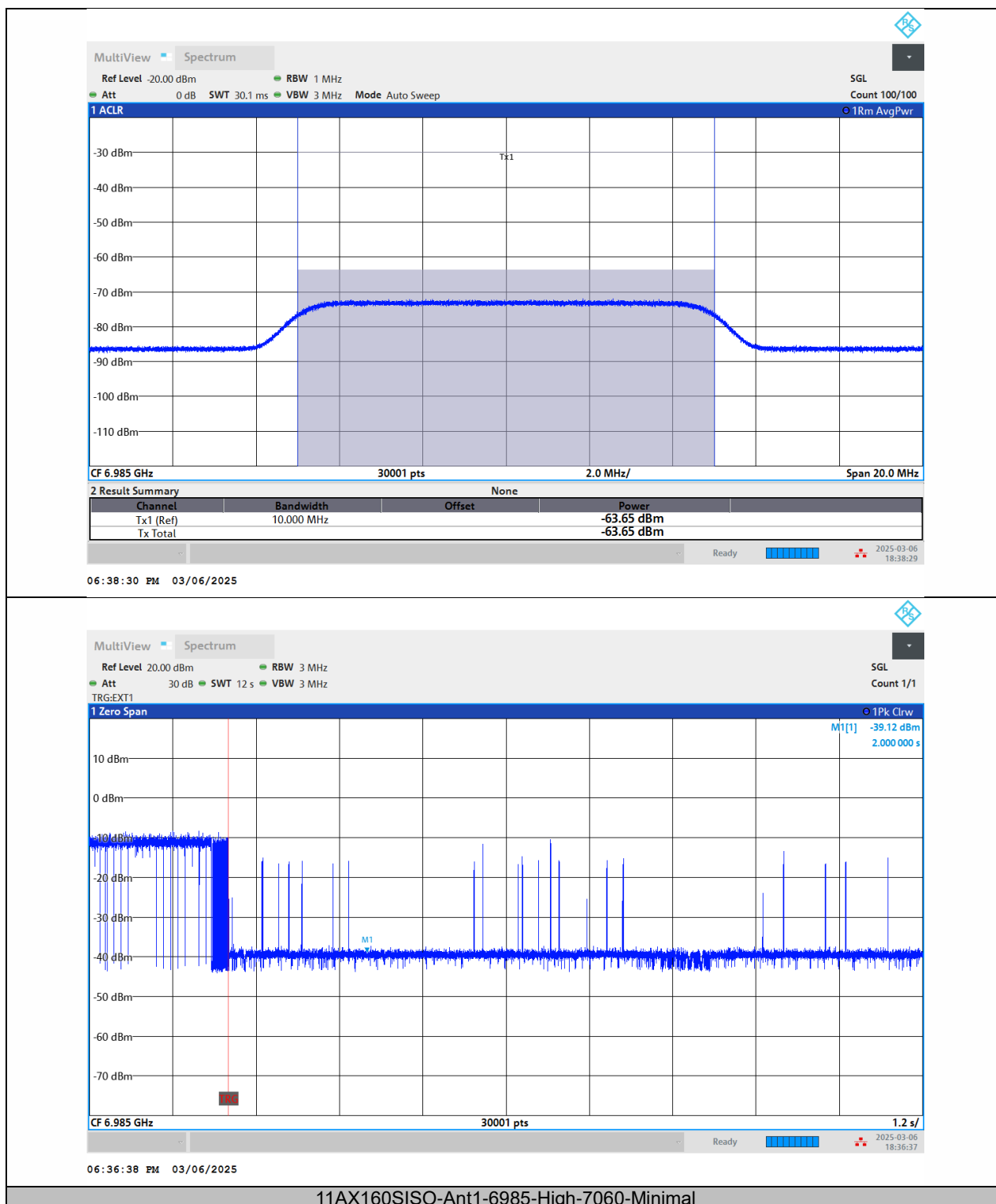


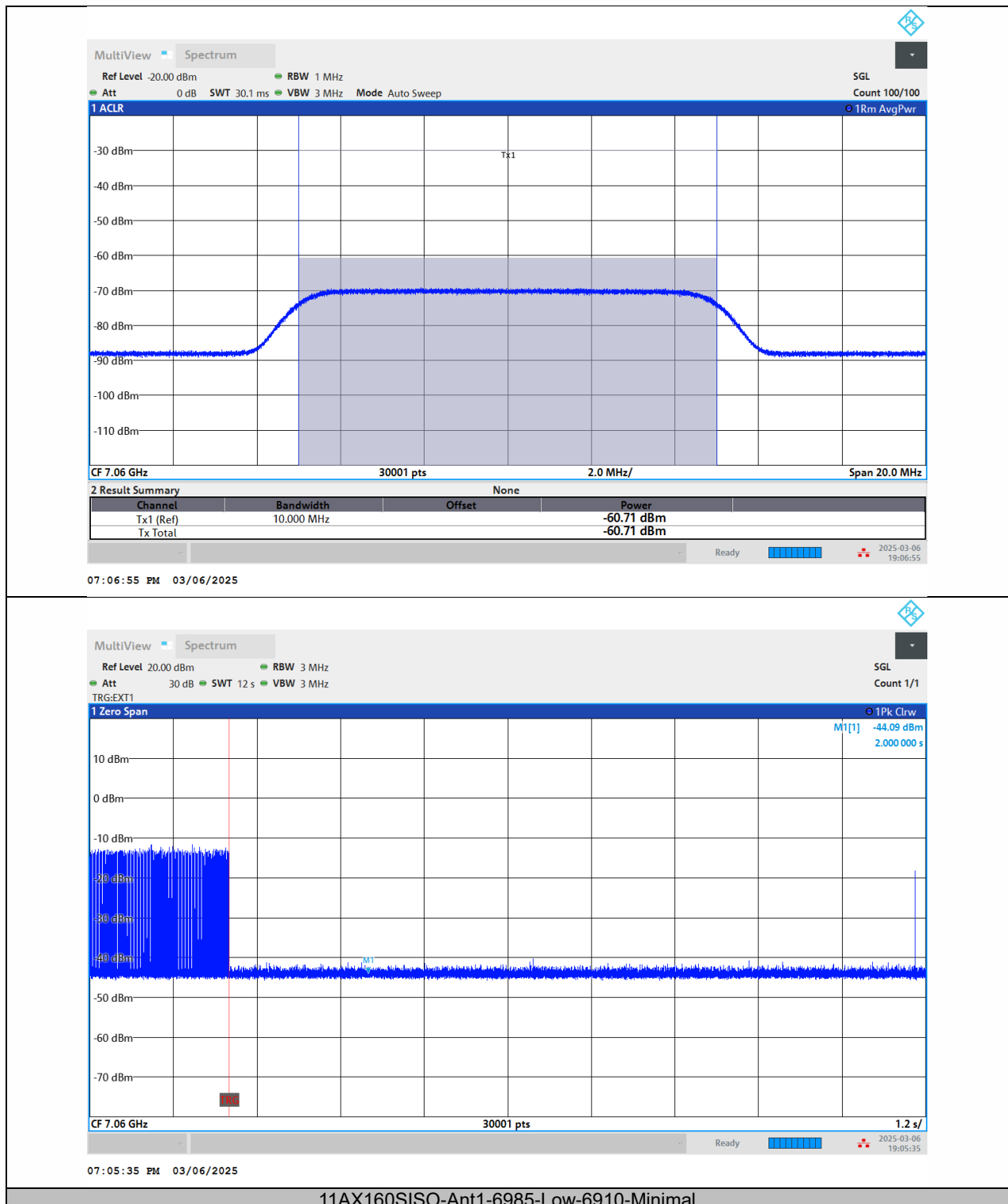




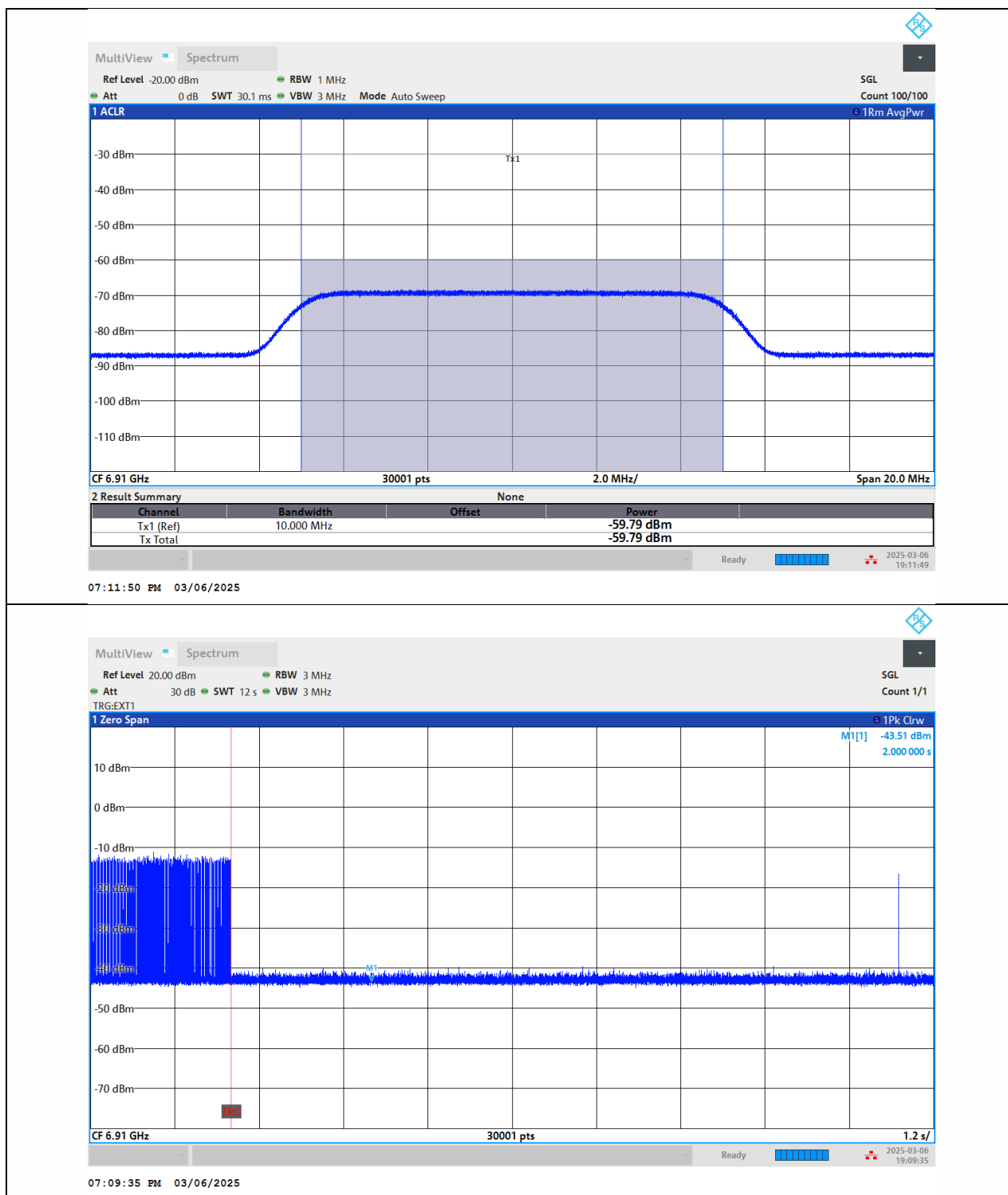








11AX160SISO-Ant1-6985-Low-6910-Minimal



## 8.6 RADIATED SPURIOUS EMISSION

### 8.6.1 Applicable Standard

According to FCC Part 15.407 (b), 15.209, 15.205  
 According to 789033 D02 Section II.G  
 According to 987594 D02 Section II.G  
 According to RSS-GEN 8.9, 8.10 and 6.13  
 According to RSS-248 4.7

### 8.6.2 Conformance Limit

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.  
 Unwanted emissions below 1 GHz must comply with the general field strength limits set forth in §15.209  
 The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table 15.209(a):

| Restricted Frequency(MHz) | Field Strength (μV/m) | Field Strength (dBμV/m) | Measurement Distance |
|---------------------------|-----------------------|-------------------------|----------------------|
| 0.009-0.490               | 2400/F(KHz)           | 20 log (uV/m)           | 300                  |
| 0.490-1.705               | 24000/F(KHz)          | 20 log (uV/m)           | 30                   |
| 1.705-30                  | 30                    | 29.5                    | 30                   |
| 30-88                     | 100                   | 40                      | 3                    |
| 88-216                    | 150                   | 43.5                    | 3                    |
| 216-960                   | 200                   | 46                      | 3                    |
| Above 960                 | 500                   | 54                      | 3                    |

The provisions of §15.205 apply to intentional radiators operating under this section, 15.205 Restricted bands of operation

| MHz               | MHz                 | MHz           | GHz         |
|-------------------|---------------------|---------------|-------------|
| 0.090-0.110       | 16.42-16.423        | 399.9-410     | 4.5-5.15    |
| 0.495-0.505       | 16.69475-16.69525   | 608-614       | 5.35-5.46   |
| 2.1735-2.1905     | 16.80425-16.80475   | 960-1240      | 7.25-7.75   |
| 4.125-4.128       | 25.5-25.67          | 1300-1427     | 8.025-8.5   |
| 4.17725-4.17775   | 37.5-38.25          | 1435-1626.5   | 9.0-9.2     |
| 4.20725-4.20775   | 73-74.6             | 1645.5-1646.5 | 9.3-9.5     |
| 6.215-6.218       | 74.8-75.2           | 1660-1710     | 10.6-12.7   |
| 6.26775-6.26825   | 123-138             | 2200-2300     | 14.47-14.5  |
| 8.291-8.294       | 149.9-150.05        | 2310-2390     | 15.35-16.2  |
| 8.362-8.366       | 156.52475-156.52525 | 2483.5-2500   | 17.7-21.4   |
| 8.37625-8.38675   | 156.7-156.9         | 2690-2900     | 22.01-23.12 |
| 8.41425-8.41475   | 162.0125-167.17     | 3260-3267     | 23.6-24.0   |
| 12.29-12.293      | 167.72-173.2        | 3332-3339     | 31.2-31.8   |
| 12.51975-12.52025 | 240-285             | 3345.8-3358   | 36.43-36.5  |
| 12.57675-12.57725 | 322-335.4           | 3600-4400     | Above 38.6  |
| 13.36-13.41       |                     |               |             |

### 8.6.3 Test Configuration

Test according to clause 7.2 radio frequency test setup

### 8.6.4 Test Procedure

#### ■ Unwanted Emissions Measurements below 1000 MHz

Compliance shall be demonstrated using CISPR quasi-peak detection; however, peak detection is permitted as an alternative to quasi-peak detection.

The EUT was placed on a turn table which is 0.8m above ground plane.

And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.

Repeat above procedures until all frequency measured was complete.

We use software control the EUT, Let EUT hopping on and transmit with highest power, All the modes have been tested and the worst result was reported.

Use the following spectrum analyzer settings:

Set RBW=120kHz for  $f < 1\text{ GHz}$ (30MHz to 1GHz), 200Hz for  $f < 150\text{ KHz}$ (9KHz to 150KHz), 9KHz for  $< 30\text{ MHz}$ (150KHz to 30MHz).

Set the VBW > RBW.

Detector = Peak.

Trace mode = max hold.

Follow the guidelines in ANSI C63.10-2013 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization, etc. A pre-amp and a high pass filter are required for this test, in order to provide the measuring system with sufficient sensitivity. Allow the trace to stabilize. The peak reading of the emission, after being corrected by the antenna factor, cable loss, pre-amp gain, etc., is the peak field strength, which must comply with the limit specified in Section 15.35(b). Submit this data.

Repeat above procedures until all frequency measured was complete.

#### ■ Unwanted Maximum peak Emissions Measurements above 1000 MHz

Maximum emission levels are measured by setting the analyzer as follows:

RBW = 1 MHz.

VBW  $\geq$  3 MHz.

Detector = Peak.

Sweep time = auto.

Trace mode = max hold.

Allow sweeps to continue until the trace stabilizes. Note that if the transmission is not continuous, the time required for the trace to stabilize will increase by a factor of approximately  $1/x$ , where  $x$  is the duty cycle. For example, at 50 percent duty cycle, the measurement time will increase by a factor of two relative to measurement time for continuous transmission.

#### ■ Unwanted Average Emissions Measurements above 1000 MHz

Method AD (Average Detection): Primary method

RBW = 1 MHz.

VBW  $\geq$  3 MHz.

Detector = power averaging (rms), if  $\text{span}/(\# \text{ of points in sweep}) \leq \text{RBW}/2$ . Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, the detector mode shall be set to peak.

Averaging type = power averaging (rms)

Sweep time = auto.

Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, the number of traces shall be increased by a factor of  $1/x$ , where  $x$  is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—rather than turning on and off with the transmit cycle, at least 100 traces shall be averaged.)

If tests are performed with the EUT transmitting at a duty cycle less than 98%, a correction factor shall be added to the measurement results prior to comparing to the emission limit in order to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is  $10 \log (1/x)$ , where  $x$  is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB must be added to the measured emission levels.

## 8.6.5 Test Results

### PASS

|               |      |                |           |
|---------------|------|----------------|-----------|
| Temperature : | 25℃  | ATM Pressure:  | 1011 mbar |
| Humidity :    | 45 % | Test Engineer: | HZB       |

#### ■ Spurious Emission below 30MHz(9KHz to 30MHz)

For Spurious Emission below 30MHz (9KHz to 30MHz), was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.



## ■ Undesirable radiated Spurious Emission Above 1GHz (1GHz to 40GHz)

All antennas and modulation modes are tested, the data of the worst mode is described as below.

### U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11A(20) Frequency(MHz): 5955

| Suspected Data List |             |                |              |                |             |          |                     |
|---------------------|-------------|----------------|--------------|----------------|-------------|----------|---------------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Antenna Height (cm) |
| 1                   | 9988.99     | 59.85          | 3.29         | 74.00          | 14.15       | PK       | 100                 |
| 2                   | 12523.2     | 62.61          | 9.48         | 74.00          | 11.39       | PK       | 120                 |
| 3                   | 14258.1     | 59.42          | 11.83        | 74.00          | 14.58       | PK       | 180                 |

| AV Final Data List |             |                   |                   |                |          |          |                     |
|--------------------|-------------|-------------------|-------------------|----------------|----------|----------|---------------------|
| NO.                | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity | Antenna Height (cm) |
| 1                  | 9988.994    | 45.31             | 54.00             | 8.69           | AV       | Vertical | 105                 |
| 2                  | 12523.26    | 47.58             | 54.00             | 6.42           | AV       | Vertical | 129                 |
| 3                  | 14258.12    | 46.84             | 54.00             | 7.16           | AV       | Vertical | 170                 |

| Suspected Data List |             |                |              |                |             |          |                     |
|---------------------|-------------|----------------|--------------|----------------|-------------|----------|---------------------|
| NO.                 | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Antenna Height (cm) |
| 1                   | 11086.0     | 60.14          | 5.90         | 74.00          | 13.86       | PK       | 105                 |
| 2                   | 12684.8     | 61.49          | 9.74         | 74.00          | 12.51       | PK       | 129                 |
| 3                   | 16707.3     | 59.32          | 9.73         | 74.00          | 14.68       | PK       | 178                 |

| AV Final Data List |             |                   |                   |                |          |            |                     |
|--------------------|-------------|-------------------|-------------------|----------------|----------|------------|---------------------|
| NO.                | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
| 1                  | 11086.04    | 48.00             | 54.00             | 6.00           | AV       | Horizontal | 105                 |
| 2                  | 12684.84    | 47.90             | 54.00             | 6.10           | AV       | Horizontal | 150                 |
| 3                  | 16707.35    | 44.84             | 54.00             | 9.16           | AV       | Horizontal | 170                 |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: | <p>(1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;</p> <p>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;</p> <p>(3) Corrected Reading = Reading Level + Correct Factor;</p> <p>(4) Correct Factor = Ant_F + Cab_L - Preamp;</p> <p>(5) Margin = Limit - Corrected Reading;</p> <p>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.</p> <p>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.</p> |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11A(20)

Frequency(MHz): 6175

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|----------|---------------------|
| 1   | 10031.5     | 60.03          | 3.65         | 74.00          | 13.97       | PK       | Vertical | 109                 |
| 2   | 12514.7     | 61.55          | 9.33         | 74.00          | 12.45       | PK       | Vertical | 129                 |
| 3   | 14232.6     | 59.37          | 11.16        | 74.00          | 14.63       | PK       | Vertical | 170                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|----------|---------------------|
| 1   | 10031.51    | 46.79             | 54.00             | 7.21           | AV       | Vertical | 105                 |
| 2   | 12514.75    | 47.49             | 54.00             | 6.51           | AV       | Vertical | 159                 |
| 3   | 14232.61    | 44.28             | 54.00             | 9.72           | AV       | Vertical | 178                 |

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|------------|---------------------|
| 1   | 11069.0     | 59.80          | 5.91         | 74.00          | 14.20       | PK       | Horizontal | 120                 |
| 2   | 12599.7     | 62.54          | 10.84        | 74.00          | 11.46       | PK       | Horizontal | 155                 |
| 3   | 16715.8     | 59.71          | 9.71         | 74.00          | 14.29       | PK       | Horizontal | 178                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|------------|---------------------|
| 1   | 11069.03    | 45.38             | 54.00             | 8.62           | AV       | Horizontal | 119                 |
| 2   | 12599.79    | 45.97             | 54.00             | 8.03           | AV       | Horizontal | 129                 |
| 3   | 16715.85    | 43.56             | 54.00             | 10.44          | AV       | Horizontal | 172                 |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: | <p>(1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;</p> <p>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;</p> <p>(3) Corrected Reading = Reading Level + Correct Factor;</p> <p>(4) Correct Factor = Ant_F + Cab_L - Preamp;</p> <p>(5) Margin = Limit - Corrected Reading;</p> <p>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.</p> <p>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.</p> |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11A(20)

Frequency(MHz): 6415

## Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|----------|---------------------|
| 1   | 8696.34     | 57.05          | 0.15         | 74.00          | 16.95       | PK       | Vertical | 110                 |
| 2   | 12684.8     | 60.61          | 9.74         | 74.00          | 13.39       | PK       | Vertical | 129                 |
| 3   | 14224.1     | 58.93          | 10.94        | 74.00          | 15.07       | PK       | Vertical | 170                 |

## AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|----------|---------------------|
| 1   | 8696.348    | 42.27             | 54.00             | 11.73          | AV       | Vertical | 117                 |
| 2   | 12684.84    | 47.79             | 54.00             | 6.21           | AV       | Vertical | 129                 |
| 3   | 14224.11    | 46.60             | 54.00             | 7.40           | AV       | Vertical | 180                 |

## Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|------------|---------------------|
| 1   | 7981.99     | 54.73          | -2.89        | 74.00          | 19.27       | PK       | Horizontal | 119                 |
| 2   | 10754.3     | 59.92          | 6.10         | 74.00          | 14.08       | PK       | Horizontal | 129                 |
| 3   | 12574.2     | 62.12          | 10.38        | 74.00          | 11.88       | PK       | Horizontal | 170                 |

## AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|------------|---------------------|
| 1   | 7981.991    | 36.15             | 54.00             | 17.85          | AV       | Horizontal | 112                 |
| 2   | 10754.37    | 41.71             | 54.00             | 12.29          | AV       | Horizontal | 130                 |
| 3   | 12574.28    | 45.61             | 54.00             | 8.39           | AV       | Horizontal | 172                 |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: | <p>(1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;</p> <p>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;</p> <p>(3) Corrected Reading = Reading Level + Correct Factor;</p> <p>(4) Correct Factor = Ant_F + Cab_L - Preamp;</p> <p>(5) Margin = Limit - Corrected Reading;</p> <p>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.</p> <p>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.</p> |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11A(20)

Frequency(MHz): 6435

## Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|----------|---------------------|
| 1   | 8670.83     | 57.47          | -0.32        | 74.00          | 16.53       | PK       | Vertical | 135                 |
| 2   | 11052.0     | 60.29          | 5.92         | 74.00          | 13.71       | PK       | Vertical | 201                 |
| 3   | 12659.3     | 61.09          | 10.08        | 74.00          | 12.91       | PK       | Vertical | 110                 |

## AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|----------|---------------------|
| 1   | 8670.835    | 41.83             | 54.00             | 12.17          | AV       | Vertical | 138                 |
| 2   | 11052.02    | 44.16             | 54.00             | 9.84           | AV       | Vertical | 205                 |
| 3   | 12659.32    | 46.02             | 54.00             | 7.98           | AV       | Vertical | 115                 |

## Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|------------|---------------------|
| 1   | 6145.07     | 50.42          | -6.13        | 74.00          | 23.58       | PK       | Horizontal | 130                 |
| 2   | 11111.5     | 60.08          | 5.70         | 74.00          | 13.92       | PK       | Horizontal | 190                 |
| 3   | 14215.6     | 58.61          | 10.70        | 74.00          | 15.39       | PK       | Horizontal | 109                 |

## AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|------------|---------------------|
| 1   | 6145.072    | 35.12             | 54.00             | 18.88          | AV       | Horizontal | 141                 |
| 2   | 11111.555   | 42.58             | 54.00             | 11.42          | AV       | Horizontal | 199                 |
| 3   | 14215.60    | 45.82             | 54.00             | 8.18           | AV       | Horizontal | 120                 |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: | <p>(1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;</p> <p>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;</p> <p>(3) Corrected Reading = Reading Level + Correct Factor;</p> <p>(4) Correct Factor = Ant_F + Cab_L - Preamp;</p> <p>(5) Margin = Limit - Corrected Reading;</p> <p>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.</p> <p>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.</p> |
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### U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11A(20)

Frequency(MHz): 6475

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|----------|---------------------|
| 1   | 9708.35     | 56.27          | 0.55         | 74.00          | 17.73       | PK       | Vertical | 145                 |
| 2   | 12591.2     | 61.36          | 10.69        | 74.00          | 12.64       | PK       | Vertical | 180                 |
| 3   | 14258.1     | 59.64          | 11.83        | 74.00          | 14.36       | PK       | Vertical | 125                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|----------|---------------------|
| 1   | 9708.354    | 40.53             | 54.00             | 13.47          | AV       | Vertical | 150                 |
| 2   | 12591.29    | 46.81             | 54.00             | 7.19           | AV       | Vertical | 185                 |
| 3   | 14258.12    | 46.19             | 54.00             | 7.81           | AV       | Vertical | 130                 |

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|------------|---------------------|
| 1   | 8424.21     | 57.13          | -2.19        | 74.00          | 16.87       | PK       | Horizontal | 148                 |
| 2   | 10762.8     | 59.99          | 5.95         | 74.00          | 14.01       | PK       | Horizontal | 191                 |
| 3   | 16724.3     | 59.05          | 9.70         | 74.00          | 14.95       | PK       | Horizontal | 130                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|------------|---------------------|
| 1   | 8424.212    | 40.66             | 54.00             | 13.34          | AV       | Horizontal | 151                 |
| 2   | 10762.88    | 44.79             | 54.00             | 9.21           | AV       | Horizontal | 185                 |
| 3   | 16724.36    | 45.82             | 54.00             | 8.18           | AV       | Horizontal | 125                 |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: | <p>(1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;</p> <p>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;</p> <p>(3) Corrected Reading = Reading Level + Correct Factor;</p> <p>(4) Correct Factor = Ant_F + Cab_L - Preamp;</p> <p>(5) Margin = Limit - Corrected Reading;</p> <p>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.</p> <p>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.</p> |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11A(20)

Frequency(MHz): 6515

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|----------|---------------------|
| 1   | 10048.5     | 58.46          | 3.82         | 74.00          | 15.54       | PK       | Vertical | 130                 |
| 2   | 10728.8     | 59.26          | 6.55         | 74.00          | 14.74       | PK       | Vertical | 178                 |
| 3   | 12676.3     | 61.83          | 9.86         | 74.00          | 12.17       | PK       | Vertical | 119                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|----------|---------------------|
| 1   | 10048.52    | 45.97             | 54.00             | 8.03           | AV       | Vertical | 139                 |
| 2   | 10728.86    | 44.88             | 54.00             | 9.12           | AV       | Vertical | 180                 |
| 3   | 12676.33    | N/A               | 54.00             | N/A            | AV       | Vertical | 110                 |

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|------------|---------------------|
| 1   | 10720.3     | 59.56          | 6.70         | 74.00          | 14.44       | PK       | Horizontal | 139                 |
| 2   | 12506.2     | 60.97          | 9.18         | 74.00          | 13.03       | PK       | Horizontal | 180                 |
| 3   | 14266.6     | 59.52          | 12.06        | 74.00          | 14.48       | PK       | Horizontal | 110                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|------------|---------------------|
| 1   | 10720.36    | 47.71             | 54.00             | 6.29           | AV       | Horizontal | 136                 |
| 2   | 12506.25    | 47.33             | 54.00             | 6.67           | AV       | Horizontal | 183                 |
| 3   | 14266.63    | 48.00             | 54.00             | 6.00           | AV       | Horizontal | 121                 |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: | <p>(1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;</p> <p>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;</p> <p>(3) Corrected Reading = Reading Level + Correct Factor;</p> <p>(4) Correct Factor = Ant_F + Cab_L - Preamp;</p> <p>(5) Margin = Limit - Corrected Reading;</p> <p>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.</p> <p>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.</p> |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11A(20)

Frequency(MHz): 6535

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|----------|---------------------|
| 1   | 9997.49     | 59.35          | 3.33         | 74.00          | 14.65       | PK       | Vertical | 139                 |
| 2   | 12676.3     | 61.31          | 9.86         | 74.00          | 12.69       | PK       | Vertical | 110                 |
| 3   | 16698.8     | 58.13          | 9.75         | 74.00          | 15.87       | PK       | Vertical | 150                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|----------|---------------------|
| 1   | 9997.498    | 45.45             | 54.00             | 8.55           | AV       | Vertical | 128                 |
| 2   | 12676.33    | 47.87             | 54.00             | 6.13           | AV       | Vertical | 118                 |
| 3   | 16698.84    | 45.70             | 54.00             | 8.30           | AV       | Vertical | 159                 |

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|------------|---------------------|
| 1   | 10720.3     | 59.52          | 6.70         | 74.00          | 14.48       | PK       | Horizontal | 130                 |
| 2   | 12565.7     | 61.38          | 10.23        | 74.00          | 12.62       | PK       | Horizontal | 110                 |
| 3   | 15907.9     | 57.23          | 8.99         | 74.00          | 16.77       | PK       | Horizontal | 168                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|------------|---------------------|
| 1   | 10720.36    | 47.21             | 54.00             | 6.79           | AV       | Horizontal | 141                 |
| 2   | 12565.78    | 47.26             | 54.00             | 6.74           | AV       | Horizontal | 128                 |
| 3   | 15907.95    | 44.10             | 54.00             | 9.90           | AV       | Horizontal | 160                 |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: | <p>(1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;</p> <p>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;</p> <p>(3) Corrected Reading = Reading Level + Correct Factor;</p> <p>(4) Correct Factor = Ant_F + Cab_L - Preamp;</p> <p>(5) Margin = Limit - Corrected Reading;</p> <p>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.</p> <p>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.</p> |
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### U-NII 7 Band (6525 ~ 6875MHz)

Test mode: 802.11A(20)

Frequency(MHz): 6695

#### Suspected Data List

| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Detector | Polarity | Antenna<br>Height<br>(cm) |
|-----|----------------|-------------------|--------------|-------------------|----------------|----------|----------|---------------------------|
| 1   | 9988.99        | 59.41             | 3.29         | 74.00             | 14.59          | PK       | Vertical | 140                       |
| 2   | 12599.7        | 61.29             | 10.84        | 74.00             | 12.71          | PK       | Vertical | 119                       |
| 3   | 14283.6        | 58.54             | 12.52        | 74.00             | 15.46          | PK       | Vertical | 141                       |

#### AV Final Data List

| NO. | Freq.<br>[MHz] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Detector | Polarity | Antenna<br>Height<br>(cm) |
|-----|----------------|----------------------|----------------------|----------------------|----------|----------|---------------------------|
| 1   | 9988.994       | 46.14                | 54.00                | 7.86                 | AV       | Vertical | 145                       |
| 2   | 12599.79       | 47.89                | 54.00                | 6.11                 | AV       | Vertical | 116                       |
| 3   | 14283.64       | 47.64                | 54.00                | 6.36                 | AV       | Vertical | 139                       |

#### Suspected Data List

| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Detector | Polarity   | Antenna<br>Height<br>(cm) |
|-----|----------------|-------------------|--------------|-------------------|----------------|----------|------------|---------------------------|
| 1   | 10711.8        | 59.43             | 6.84         | 74.00             | 14.57          | PK       | Horizontal | 133                       |
| 2   | 12667.8        | 62.01             | 9.97         | 74.00             | 11.99          | PK       | Horizontal | 110                       |
| 3   | 16698.8        | 58.35             | 9.75         | 74.00             | 15.65          | PK       | Horizontal | 131                       |

#### AV Final Data List

| NO. | Freq.<br>[MHz] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Detector | Polarity   | Antenna<br>Height<br>(cm) |
|-----|----------------|----------------------|----------------------|----------------------|----------|------------|---------------------------|
| 1   | 10711.85       | 47.89                | 54.00                | 6.11                 | AV       | Horizontal | 140                       |
| 2   | 12667.83       | 47.09                | 54.00                | 6.91                 | AV       | Horizontal | 115                       |
| 3   | 16698.84       | 45.30                | 54.00                | 8.70                 | AV       | Horizontal | 130                       |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

#### Note:

- (1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;
- (2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;
- (3) Corrected Reading = Reading Level + Correct Factor;
- (4) Correct Factor = Ant\_F + Cab\_L - Preamp;
- (5) Margin = Limit - Corrected Reading;
- (6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.
- (7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.

**U-NII 7 Band (6525 ~ 6875MHz)**
**Test mode: 802.11A(20)**
**Frequency(MHz): 6855**
**Suspected Data List**

| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Detector | Polarity | Antenna<br>Height<br>(cm) |
|-----|----------------|-------------------|--------------|-------------------|----------------|----------|----------|---------------------------|
| 1   | 8645.32        | 56.01             | -0.79        | 74.00             | 17.99          | PK       | Vertical | 122                       |
| 2   | 10091.0        | 59.57             | 4.24         | 74.00             | 14.43          | PK       | Vertical | 130                       |
| 3   | 12608.3        | 61.35             | 10.73        | 74.00             | 12.65          | PK       | Vertical | 156                       |

**AV Final Data List**

| NO. | Freq.<br>[MHz] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Detector | Polarity | Antenna<br>Height<br>(cm) |
|-----|----------------|----------------------|----------------------|----------------------|----------|----------|---------------------------|
| 1   | 8645.322       | 41.34                | 54.00                | 12.66                | AV       | Vertical | 120                       |
| 2   | 10091.04       | 42.50                | 54.00                | 11.50                | AV       | Vertical | 138                       |
| 3   | 12608.30       | 46.51                | 54.00                | 7.49                 | AV       | Vertical | 150                       |

**Suspected Data List**

| NO. | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Detector | Polarity   | Antenna<br>Height<br>(cm) |
|-----|----------------|-------------------|--------------|-------------------|----------------|----------|------------|---------------------------|
| 1   | 8721.86        | 56.05             | 0.00         | 74.00             | 17.95          | PK       | Horizontal | 120                       |
| 2   | 10737.3        | 59.32             | 6.40         | 74.00             | 14.68          | PK       | Horizontal | 138                       |
| 3   | 12616.8        | 61.35             | 10.63        | 74.00             | 12.65          | PK       | Horizontal | 150                       |

**AV Final Data List**

| NO. | Freq.<br>[MHz] | AV Value<br>[dBμV/m] | AV Limit<br>[dBμV/m] | AV<br>Margin<br>[dB] | Detector | Polarity   | Antenna<br>Height<br>(cm) |
|-----|----------------|----------------------|----------------------|----------------------|----------|------------|---------------------------|
| 1   | 8721.860       | 43.52                | 54.00                | 10.48                | AV       | Horizontal | 128                       |
| 2   | 10737.36       | 45.85                | 54.00                | 8.15                 | AV       | Horizontal | 150                       |
| 3   | 12616.80       | 46.74                | 54.00                | 7.26                 | AV       | Horizontal | 132                       |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: | (1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;<br>(3) Corrected Reading = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |
|-------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

# U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11A(20)

Frequency(MHz): 6895

## Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|----------|---------------------|
| 1   | 9920.96     | 58.82          | 2.99         | 74.00          | 15.18       | PK       | Vertical | 151                 |
| 2   | 10703.3     | 59.77          | 6.99         | 74.00          | 14.23       | PK       | Vertical | 136                 |
| 3   | 12523.2     | 61.48          | 9.48         | 74.00          | 12.52       | PK       | Vertical | 150                 |

## AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|----------|---------------------|
| 1   | 9920.960    | 45.14             | 54.00             | 8.86           | AV       | Vertical | 160                 |
| 2   | 10703.35    | 45.35             | 54.00             | 8.65           | AV       | Vertical | 150                 |
| 3   | 12523.26    | 44.52             | 54.00             | 9.48           | AV       | Vertical | 120                 |

## Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|------------|---------------------|
| 1   | 9852.92     | 58.35          | 1.94         | 74.00          | 15.65       | PK       | Horizontal | 167                 |
| 2   | 10711.8     | 59.58          | 6.84         | 74.00          | 14.42       | PK       | Horizontal | 150                 |
| 3   | 12582.7     | 61.14          | 10.54        | 74.00          | 12.86       | PK       | Horizontal | 120                 |

## AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|------------|---------------------|
| 1   | 9852.926    | 44.72             | 54.00             | 9.28           | AV       | Horizontal | 160                 |
| 2   | 10711.85    | 45.78             | 54.00             | 8.22           | AV       | Horizontal | 155                 |
| 3   | 12582.79    | 46.30             | 54.00             | 7.70           | AV       | Horizontal | 123                 |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: | <p>(1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;</p> <p>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;</p> <p>(3) Corrected Reading = Reading Level + Correct Factor;</p> <p>(4) Correct Factor = Ant_F + Cab_L - Preamp;</p> <p>(5) Margin = Limit - Corrected Reading;</p> <p>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.</p> <p>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.</p> |
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### U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11A(20)

Frequency(MHz): 6995

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|----------|---------------------|
| 1   | 9878.43     | 59.89          | 2.46         | 74.00          | 14.11       | PK       | Vertical | 166                 |
| 2   | 12574.2     | 60.85          | 10.38        | 74.00          | 13.15       | PK       | Vertical | 131                 |
| 3   | 14266.6     | 59.11          | 12.06        | 74.00          | 14.89       | PK       | Vertical | 100                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|----------|---------------------|
| 1   | 9878.439    | 44.65             | 54.00             | 9.35           | AV       | Vertical | 155                 |
| 2   | 12574.28    | 47.39             | 54.00             | 6.61           | AV       | Vertical | 129                 |
| 3   | 14266.63    | 47.88             | 54.00             | 6.12           | AV       | Vertical | 101                 |

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|------------|---------------------|
| 1   | 9903.95     | 59.76          | 2.92         | 74.00          | 14.24       | PK       | Horizontal | 169                 |
| 2   | 10745.8     | 59.39          | 6.26         | 74.00          | 14.61       | PK       | Horizontal | 130                 |
| 3   | 12625.3     | 60.68          | 10.52        | 74.00          | 13.32       | PK       | Horizontal | 105                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|------------|---------------------|
| 1   | 9903.952    | 45.43             | 54.00             | 8.57           | AV       | Horizontal | 156                 |
| 2   | 10745.87    | 44.72             | 54.00             | 9.28           | AV       | Horizontal | 135                 |
| 3   | 12625.31    | 46.46             | 54.00             | 7.54           | AV       | Horizontal | 100                 |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

b

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: | <p>(1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;</p> <p>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;</p> <p>(3) Corrected Reading = Reading Level + Correct Factor;</p> <p>(4) Correct Factor = Ant_F + Cab_L - Preamp;</p> <p>(5) Margin = Limit - Corrected Reading;</p> <p>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.</p> <p>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.</p> |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### U-NII 8 Band (6875 ~ 7125MHz)

Test mode: 802.11A(20)

Frequency(MHz): 7115

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|----------|---------------------|
| 1   | 10014.5     | 58.87          | 3.48         | 74.00          | 15.13       | PK       | Vertical | 148                 |
| 2   | 11961.9     | 58.70          | 5.54         | 74.00          | 15.30       | PK       | Vertical | 137                 |
| 3   | 12676.3     | 61.19          | 9.86         | 74.00          | 12.81       | PK       | Vertical | 105                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|----------|---------------------|
| 1   | 10014.50    | 45.64             | 54.00             | 8.36           | AV       | Vertical | 146                 |
| 2   | 11961.98    | 44.29             | 54.00             | 9.71           | AV       | Vertical | 130                 |
| 3   | 12676.33    | 45.81             | 54.00             | 8.19           | AV       | Vertical | 110                 |

#### Suspected Data List

| NO. | Freq. [MHz] | Level [dBμV/m] | Factor[dB/m] | Limit [dBμV/m] | Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|----------------|--------------|----------------|-------------|----------|------------|---------------------|
| 1   | 9895.44     | 59.72          | 2.81         | 74.00          | 14.28       | PK       | Horizontal | 140                 |
| 2   | 12667.8     | 61.52          | 9.97         | 74.00          | 12.48       | PK       | Horizontal | 120                 |
| 3   | 16698.8     | 58.96          | 9.75         | 74.00          | 15.04       | PK       | Horizontal | 105                 |

#### AV Final Data List

| NO. | Freq. [MHz] | AV Value [dBμV/m] | AV Limit [dBμV/m] | AV Margin [dB] | Detector | Polarity   | Antenna Height (cm) |
|-----|-------------|-------------------|-------------------|----------------|----------|------------|---------------------|
| 1   | 9895.447    | 46.92             | 54.00             | 7.08           | AV       | Horizontal | 150                 |
| 2   | 12667.83    | 48.00             | 54.00             | 6.00           | AV       | Horizontal | 120                 |
| 3   | 16698.84    | 45.18             | 54.00             | 8.82           | AV       | Horizontal | 100                 |

Remark: The radiation measurements are performed in X, Y, Z axis positioning for transmitting mode, and found the X axis positioning which it is the worst case, only the worst data is recorded in the report.

|       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Note: | <p>(1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;</p> <p>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;</p> <p>(3) Corrected Reading = Reading Level + Correct Factor;</p> <p>(4) Correct Factor = Ant_F + Cab_L - Preamp;</p> <p>(5) Margin = Limit - Corrected Reading;</p> <p>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.</p> <p>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit.</p> |
|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## ■ Undesirable radiated Undesirable radiated Spurious Emission in Band Edge

### ● For U-NII 5

All antennas and modulation modes are tested, the data of the worst mode is described as below.

#### U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11AX(20) Frequency(MHz): 5955

| NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Detector | Polarity   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|------------------|-------------------|----------------|----------|------------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5858.37        | 55.33             | 40.23            | 68.20             | 12.87          | PK       | Vertical   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 7147.375       | 58.13             | 44.10            | 68.20             | 10.07          | PK       | Vertical   |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5872.0375      | 54.45             | 40.25            | 68.20             | 13.75          | PK       | Horizontal |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 7162.8175      | 57.72             | 43.97            | 68.20             | 10.48          | PK       | Horizontal |
| Note: (1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;<br>(3) Corrected Reading = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |                |                   |                  |                   |                |          |            |

#### U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11AX(20) Frequency(MHz): 6415

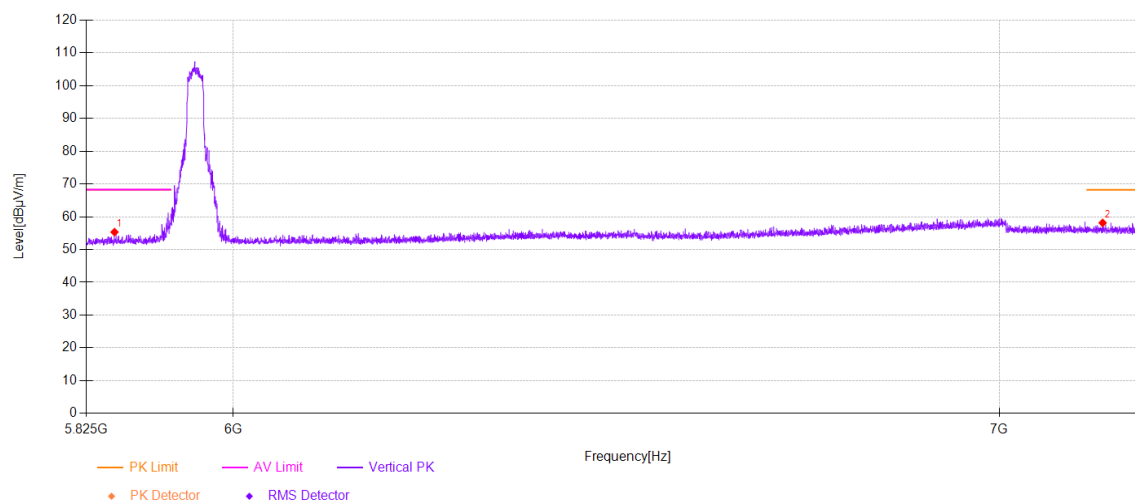
| NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Detector | Polarity   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|------------------|-------------------|----------------|----------|------------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5915.88        | 54.44             | 40.32            | 68.20             | 13.76          | PK       | Vertical   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 7158.38        | 57.95             | 44.01            | 68.20             | 10.25          | PK       | Vertical   |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 5911.0875      | 54.54             | 40.31            | 68.20             | 13.66          | PK       | Horizontal |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 7135.305       | 58.25             | 44.19            | 68.20             | 9.95           | PK       | Horizontal |
| Note: (1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;<br>(3) Corrected Reading = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |                |                   |                  |                   |                |          |            |

## U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11AX(20)

Frequency(MHz): 5955

Ant.Pol: V

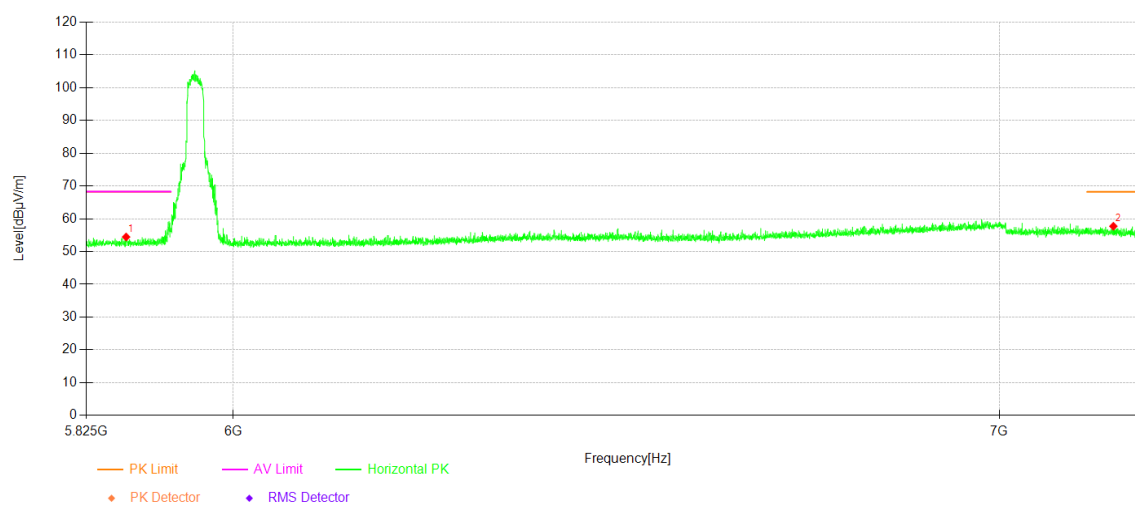


## U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11AX(20)

Frequency(MHz): 5955

Ant.Pol: H

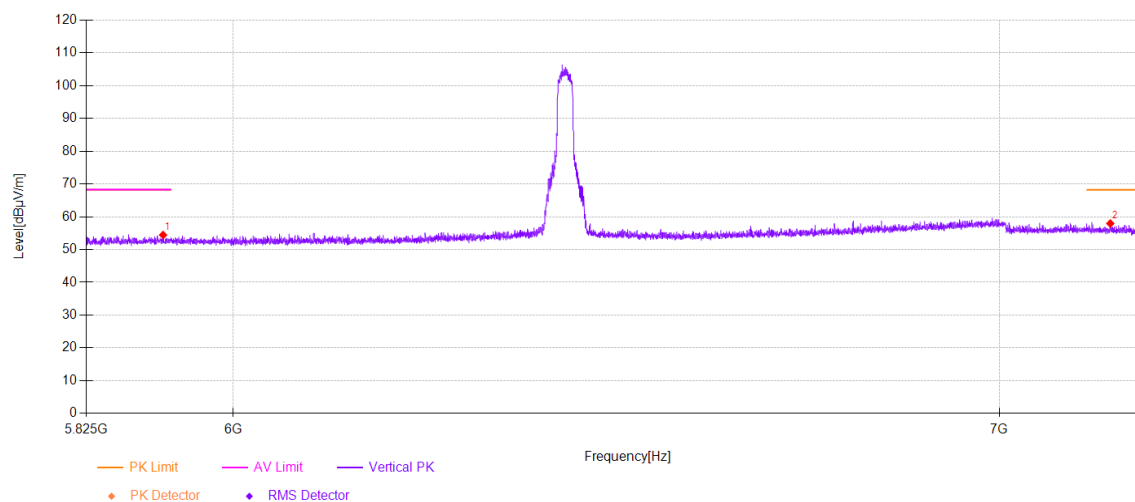


## U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11AX(20)

Frequency(MHz): 6415

Ant.Pol: V

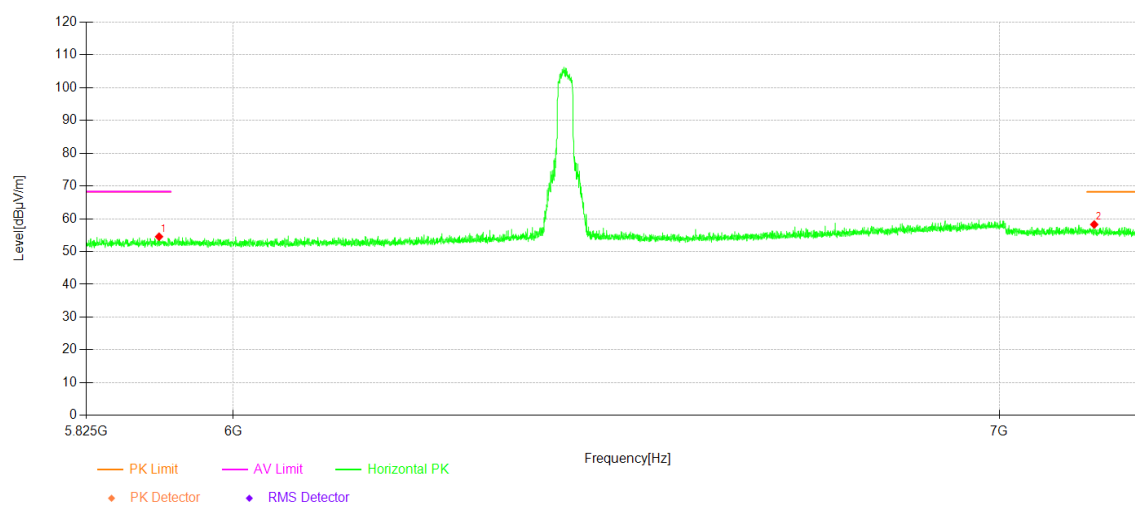


## U-NII 5 Band (5925 ~ 6425MHz)

Test mode: 802.11AX(20)

Frequency(MHz): 6415

Ant.Pol: H



● For U-NII 6

All antennas and modulation modes are tested, the data of the worst mode is described as below.

**U-NII 6 Band (6425 ~ 6525MHz)**

**Test mode:** 802.11AX(20) **Frequency(MHz):** 6435

| NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Detector | Polarity   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|------------------|-------------------|----------------|----------|------------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5909.3125      | 54.38             | 40.30            | 68.20             | 13.82          | PK       | Vertical   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7139.21        | 57.80             | 44.17            | 68.20             | 10.40          | PK       | Vertical   |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5899.3725      | 54.33             | 40.28            | 68.20             | 13.87          | PK       | Horizontal |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7151.1025      | 57.74             | 44.08            | 68.20             | 10.46          | PK       | Horizontal |
| <b>Note:</b> (1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;<br>(3) Corrected Reading = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |                |                   |                  |                   |                |          |            |

**U-NII 6 Band (6425 ~ 6525MHz)**

**Test mode:** 802.11AX(20) **Frequency(MHz):** 6515

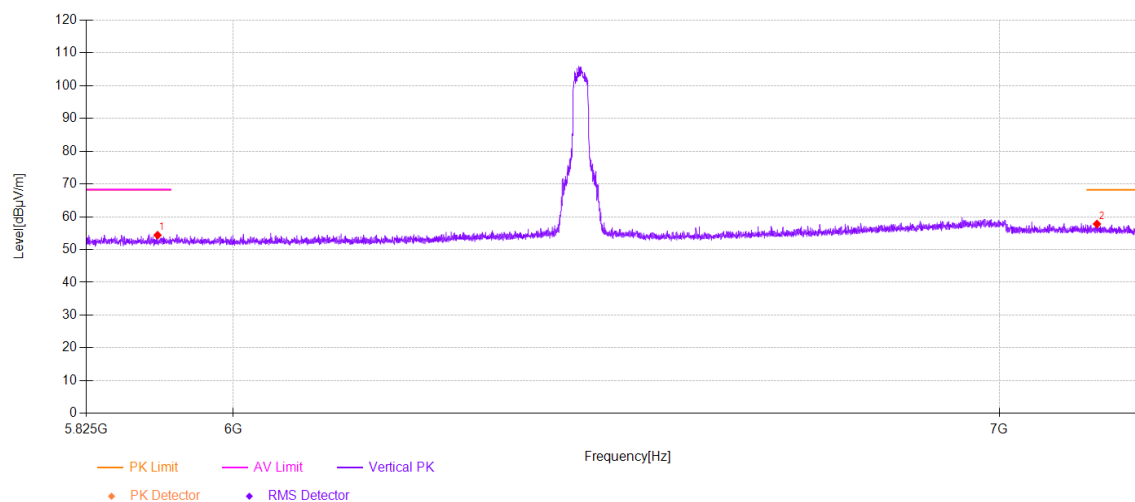
| NO.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Freq.<br>[MHz] | Level<br>[dBμV/m] | Factor<br>[dB/m] | Limit<br>[dBμV/m] | Margin<br>[dB] | Detector | Polarity   |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|-------------------|------------------|-------------------|----------------|----------|------------|
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5906.4725      | 54.08             | 40.29            | 68.20             | 14.12          | PK       | Vertical   |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7141.695       | 58.19             | 44.14            | 68.20             | 10.01          | PK       | Vertical   |
| 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 5914.46        | 54.28             | 40.32            | 68.20             | 13.92          | PK       | Horizontal |
| 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 7142.2275      | 58.29             | 44.14            | 68.20             | 9.91           | PK       | Horizontal |
| <b>Note:</b> (1) Peak RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = Peak;<br>(2) Avg RBW = 1 MHz, VBW ≥ 3 × RBW, Detector = RMS;<br>(3) Corrected Reading = Reading Level + Correct Factor;<br>(4) Correct Factor = Ant_F + Cab_L - Preamp;<br>(5) Margin = Limit - Corrected Reading;<br>(6) If the emissions less than the peak limit, it also complied with the -47dBm/MHz (88.2dBuV/m) limit.<br>(7) If the emissions less than the average limit, it also complied with the -27dBm/MHz (68.2dBuV/m) limit. |                |                   |                  |                   |                |          |            |

## U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11AX(20)

Frequency(MHz): 6435

Ant.Pol: V

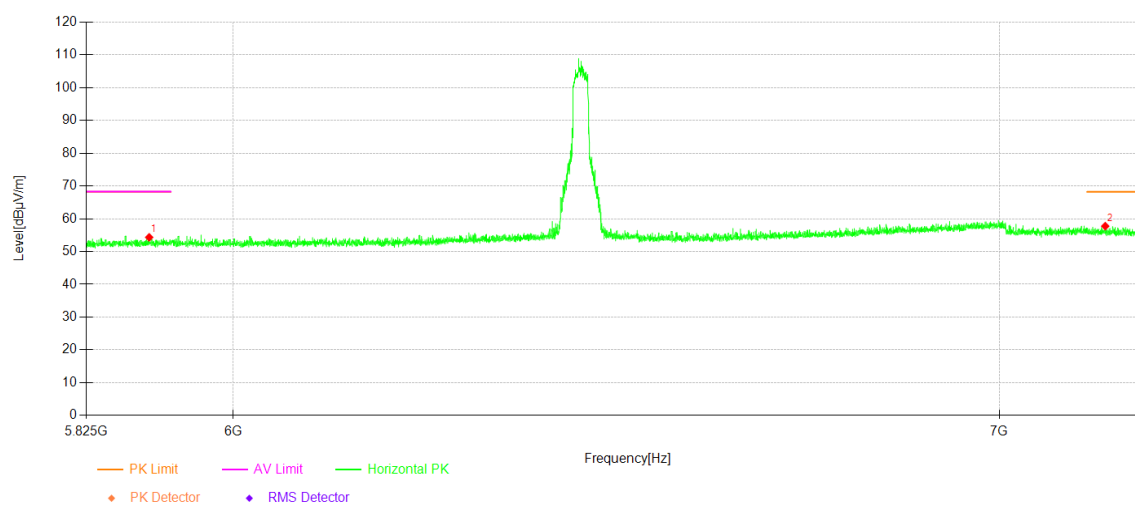


## U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11AX(20)

Frequency(MHz): 6435

Ant.Pol: H

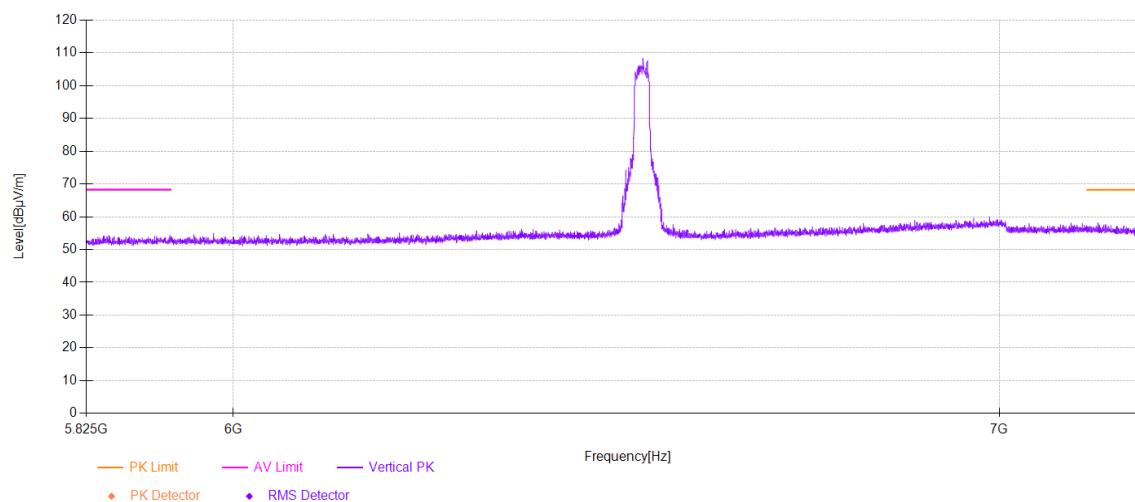


## U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11AX(20)

Frequency(MHz): 6515

Ant.Pol: V



## U-NII 6 Band (6425 ~ 6525MHz)

Test mode: 802.11AX(20)

Frequency(MHz): 6515

Ant.Pol: H

