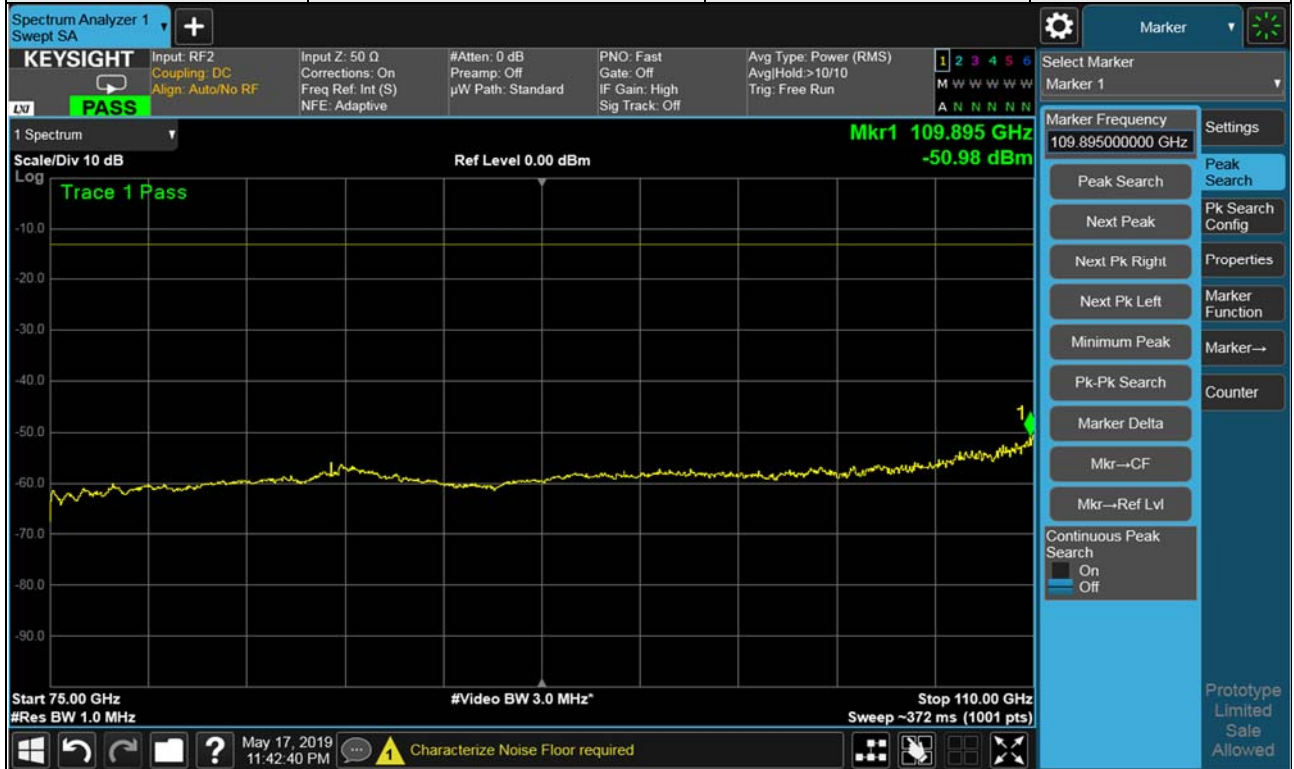
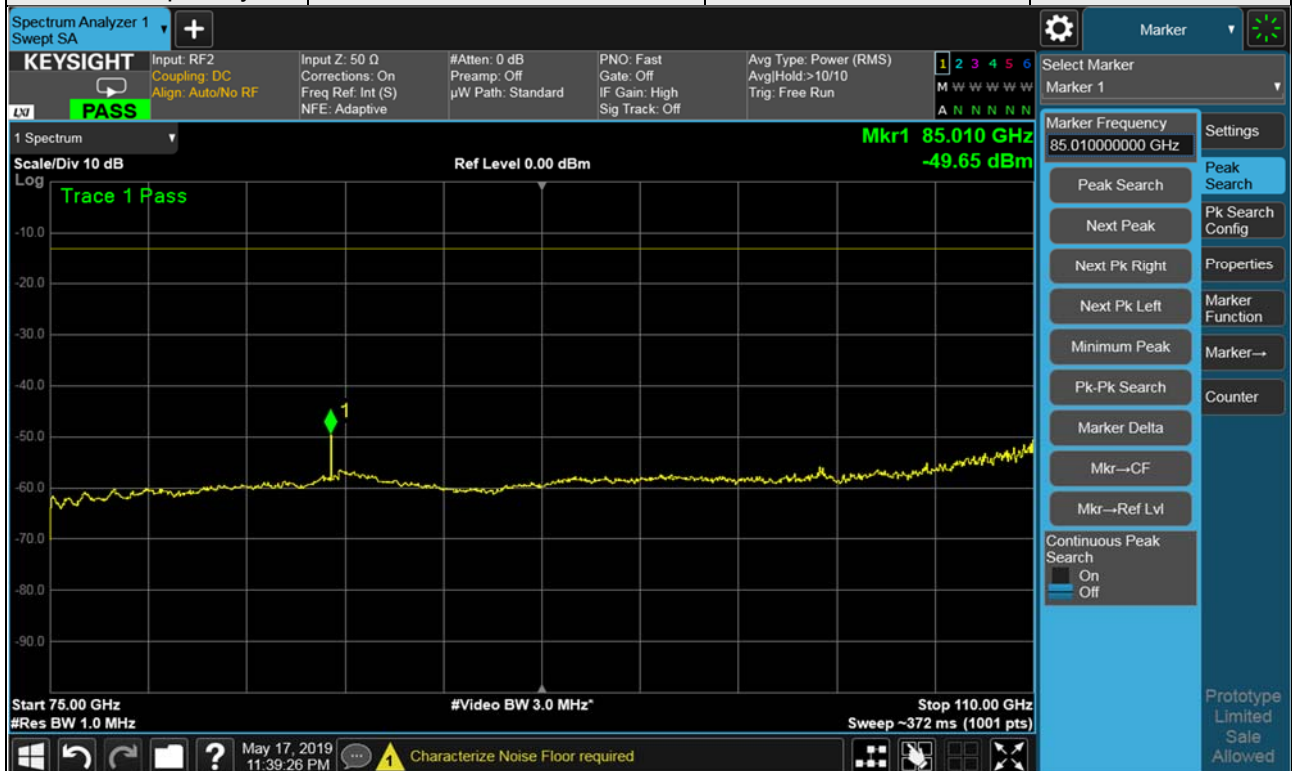


|                  |              |               |        |
|------------------|--------------|---------------|--------|
| Band             | n261         | Beam ID       | 47+176 |
| Frequency Range  | 75GHz-110GHz | Channel       | High   |
| Antenna polarity | Horizontal   | Test distance | 1m     |

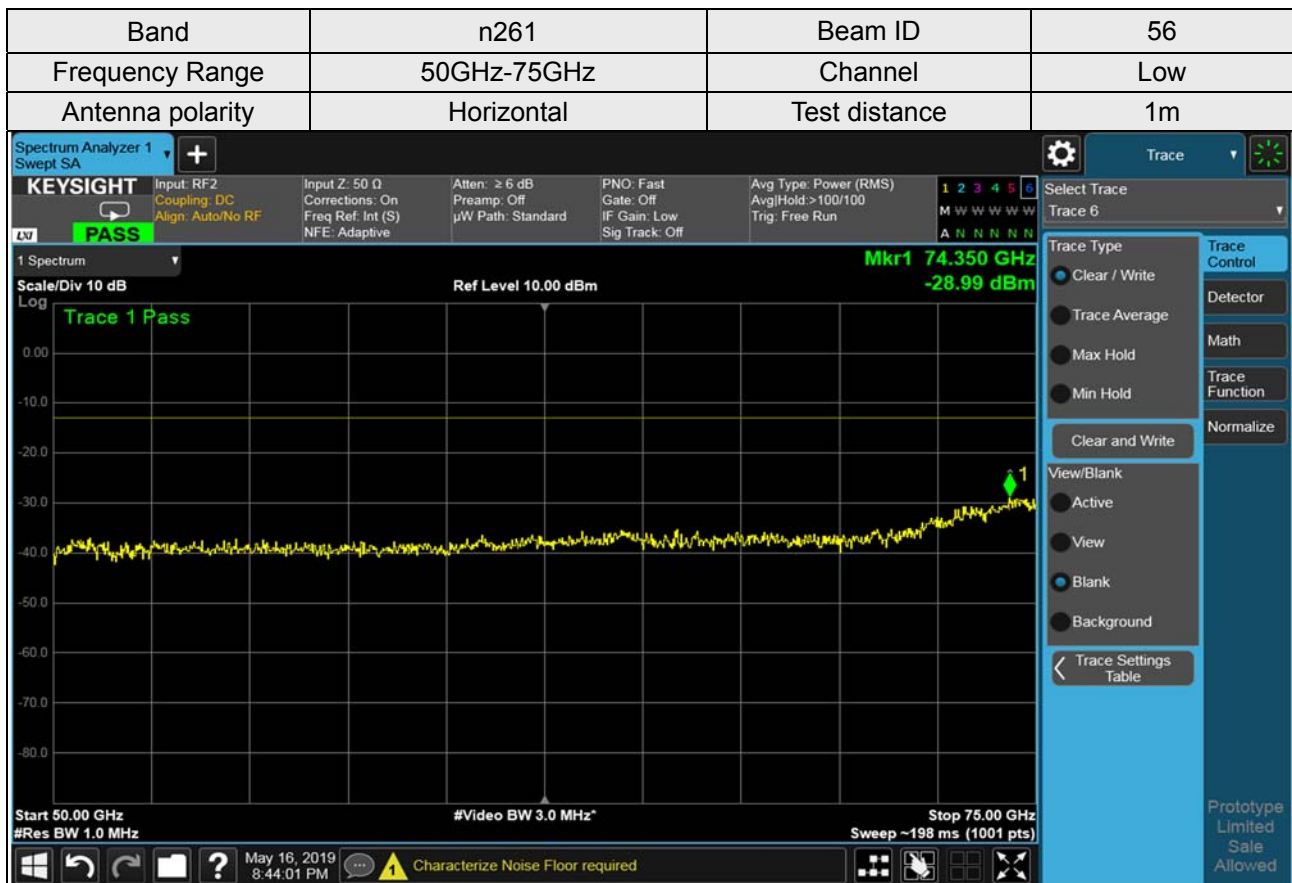


Note: The test results already include the correction factor (corrections: On).

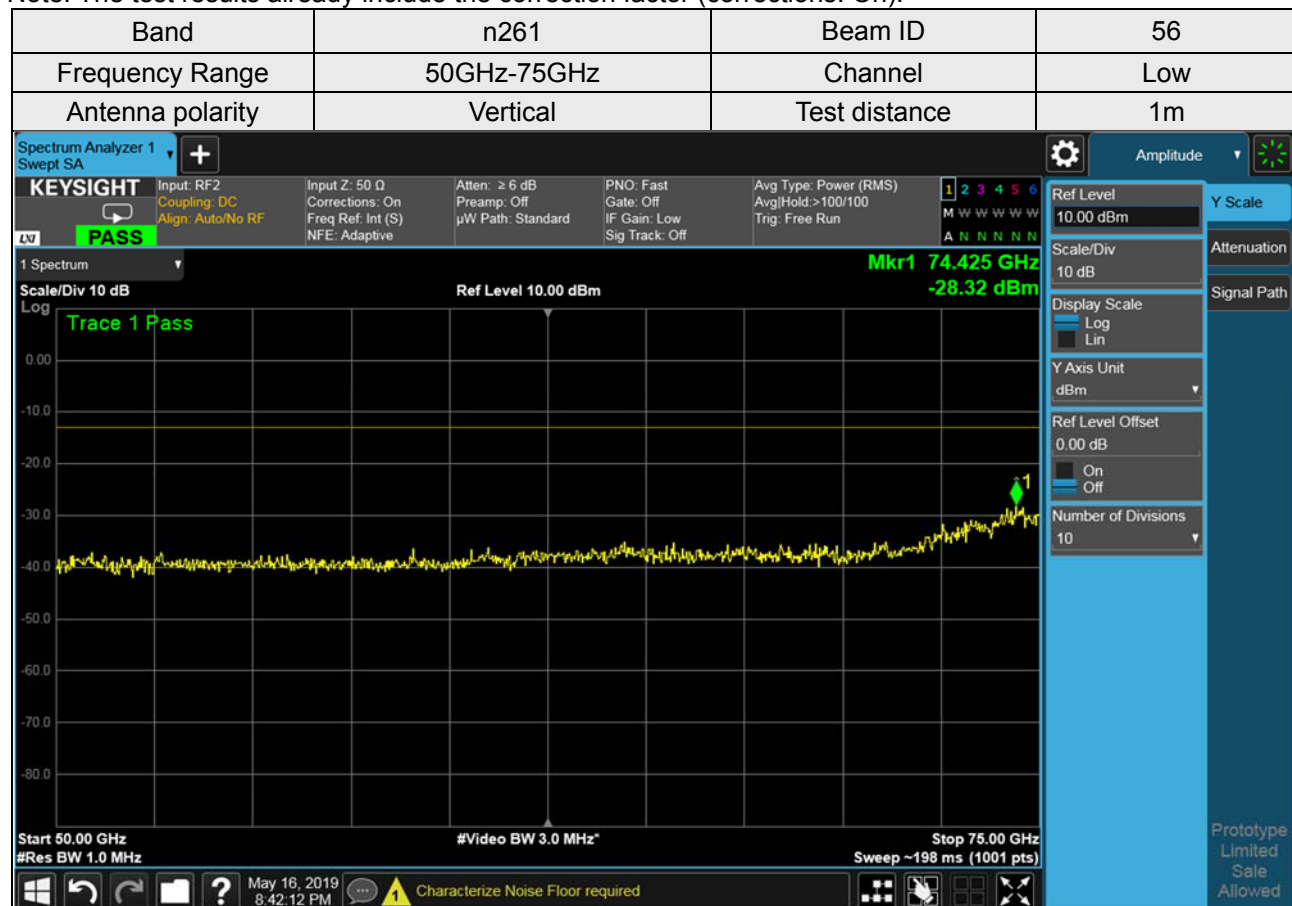
|                  |              |               |        |
|------------------|--------------|---------------|--------|
| Band             | n261         | Beam ID       | 47+176 |
| Frequency Range  | 75GHz-110GHz | Channel       | High   |
| Antenna polarity | Vertical     | Test distance | 1m     |



Note: The test results already include the correction factor (corrections: On).

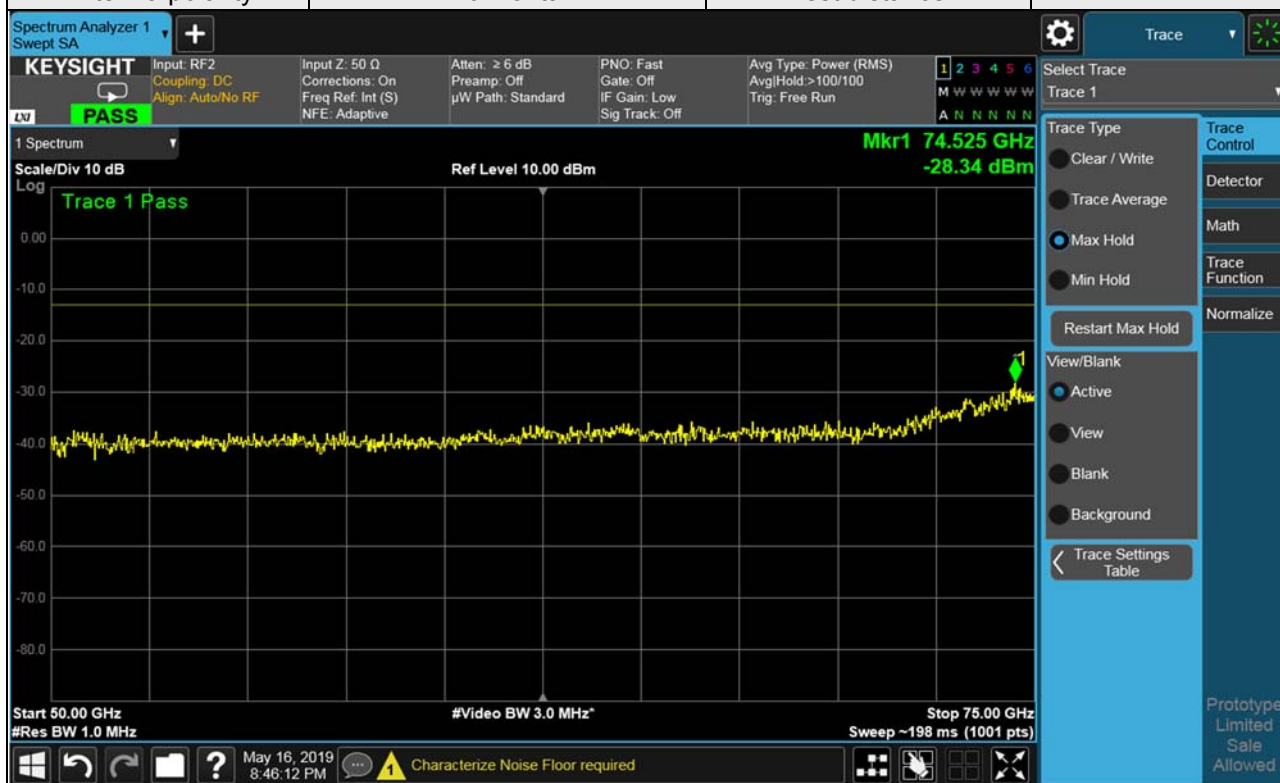


Note: The test results already include the correction factor (corrections: On).



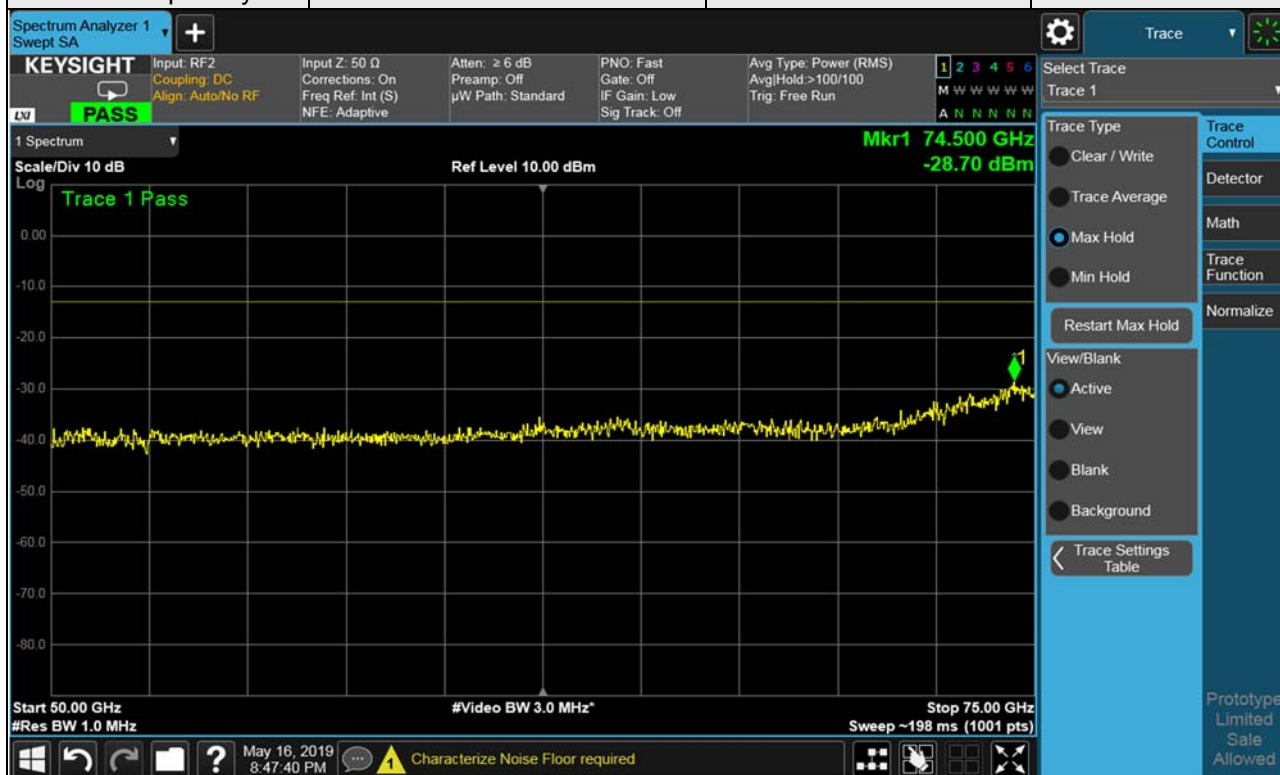
Note: The test results already include the correction factor (corrections: On).

|                  |             |               |     |
|------------------|-------------|---------------|-----|
| Band             | n261        | Beam ID       | 56  |
| Frequency Range  | 50GHz-75GHz | Channel       | Mid |
| Antenna polarity | Horizontal  | Test distance | 1m  |



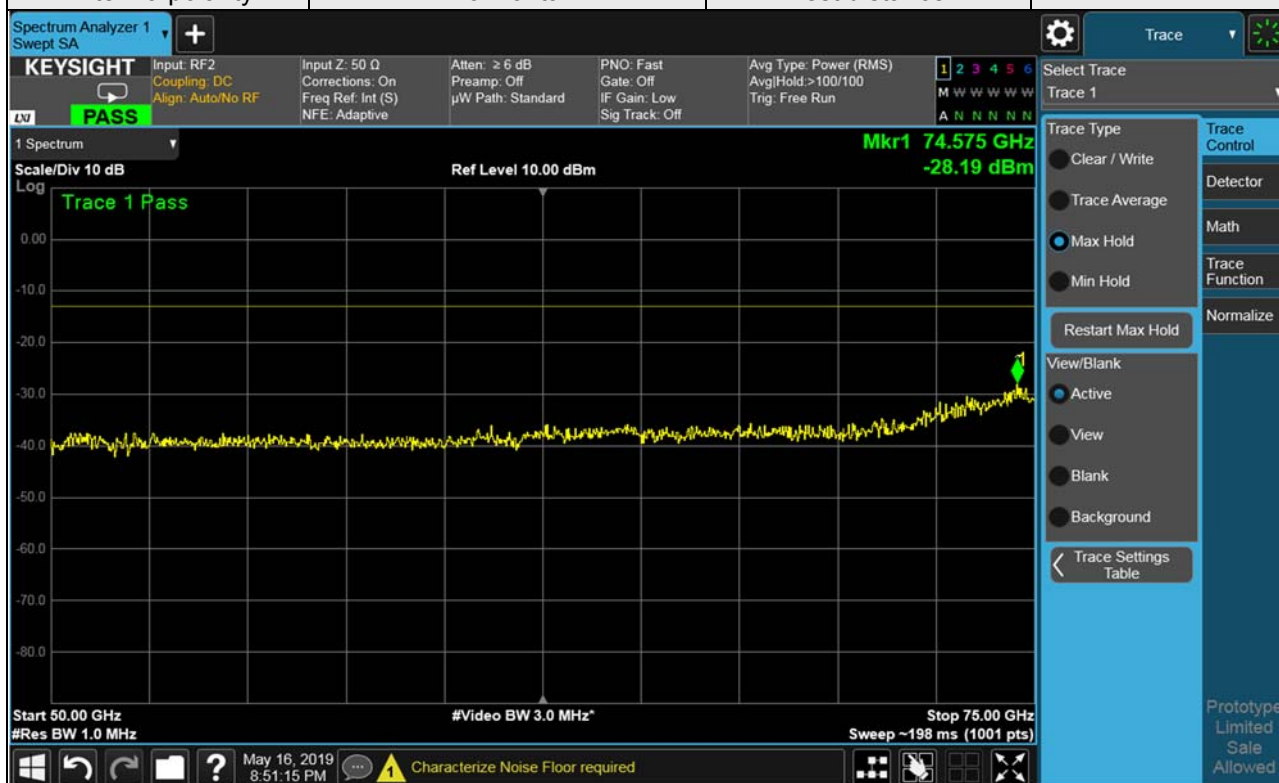
Note: The test results already include the correction factor (corrections: On).

|                  |             |               |     |
|------------------|-------------|---------------|-----|
| Band             | n261        | Beam ID       | 56  |
| Frequency Range  | 50GHz-75GHz | Channel       | Mid |
| Antenna polarity | Vertical    | Test distance | 1m  |



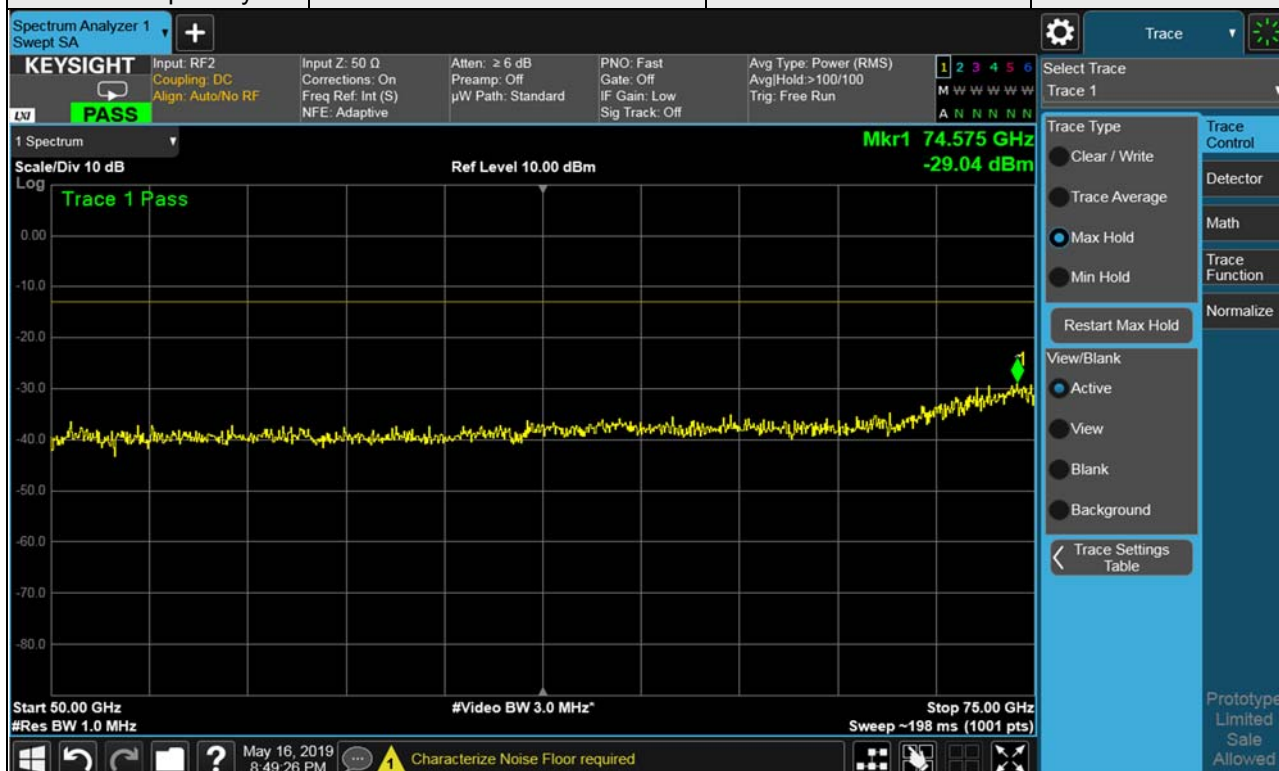
Note: The test results already include the correction factor (corrections: On).

|                  |             |               |      |
|------------------|-------------|---------------|------|
| Band             | n261        | Beam ID       | 56   |
| Frequency Range  | 50GHz-75GHz | Channel       | High |
| Antenna polarity | Horizontal  | Test distance | 1m   |



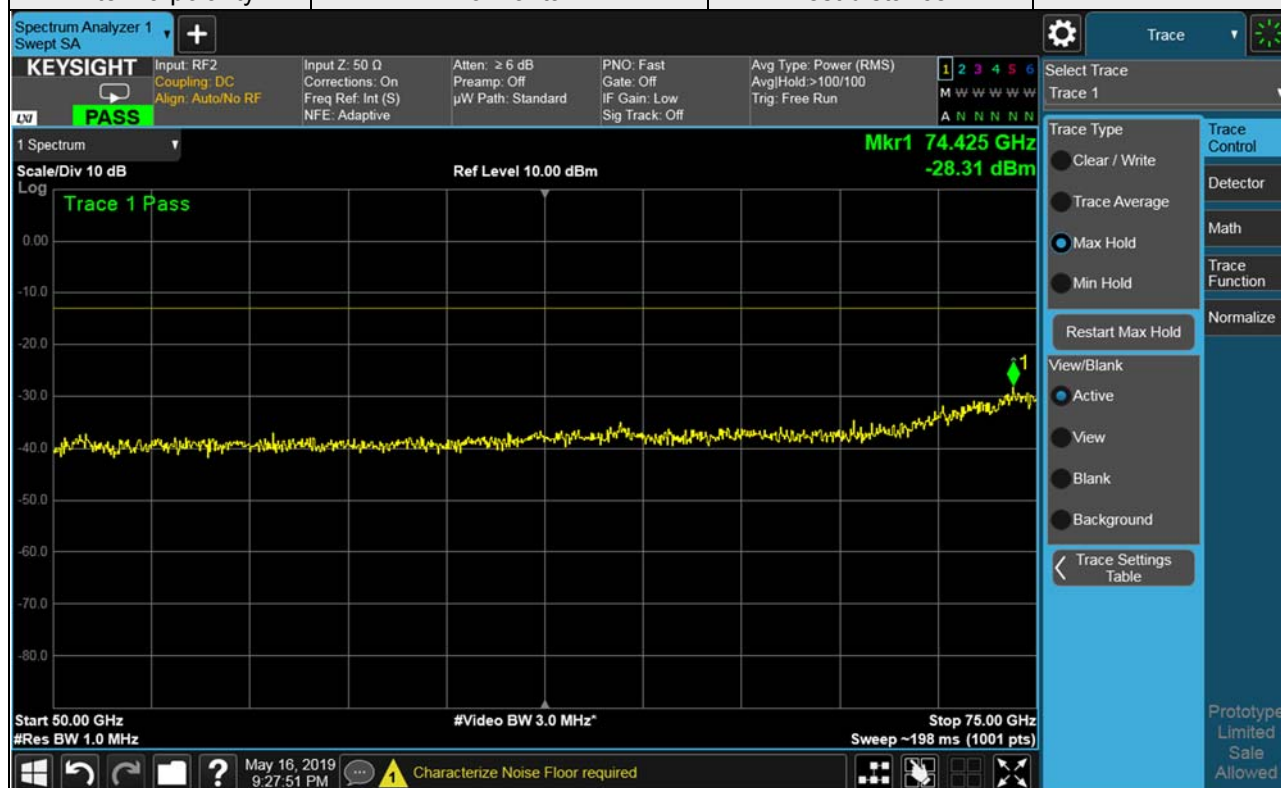
Note: The test results already include the correction factor (corrections: On).

|                  |             |               |      |
|------------------|-------------|---------------|------|
| Band             | n261        | Beam ID       | 56   |
| Frequency Range  | 50GHz-75GHz | Channel       | High |
| Antenna polarity | Vertical    | Test distance | 1m   |



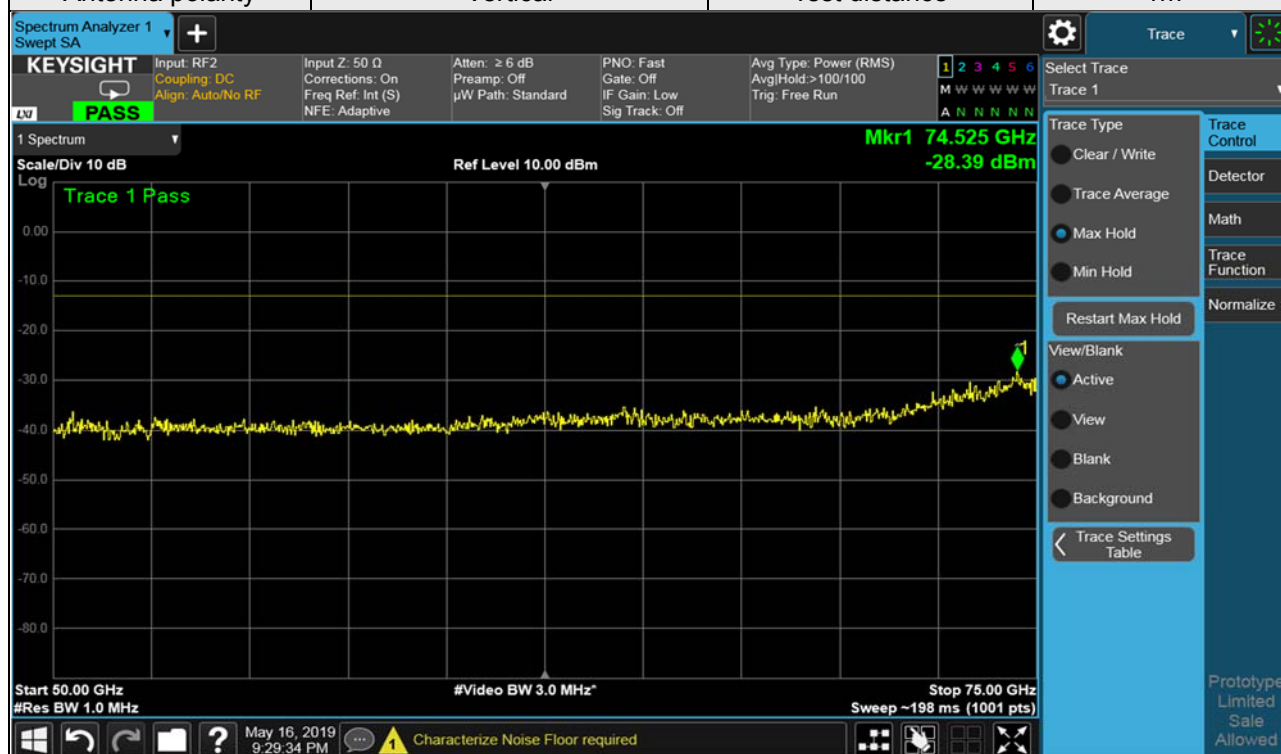
Note: The test results already include the correction factor (corrections: On).

|                  |             |               |        |
|------------------|-------------|---------------|--------|
| Band             | n261        | Beam ID       | 56+184 |
| Frequency Range  | 50GHz-75GHz | Channel       | Low    |
| Antenna polarity | Horizontal  | Test distance | 1m     |



Note: The test results already include the correction factor (corrections: On).

|                  |             |               |        |
|------------------|-------------|---------------|--------|
| Band             | n261        | Beam ID       | 56+184 |
| Frequency Range  | 50GHz-75GHz | Channel       | Low    |
| Antenna polarity | Vertical    | Test distance | 1m     |



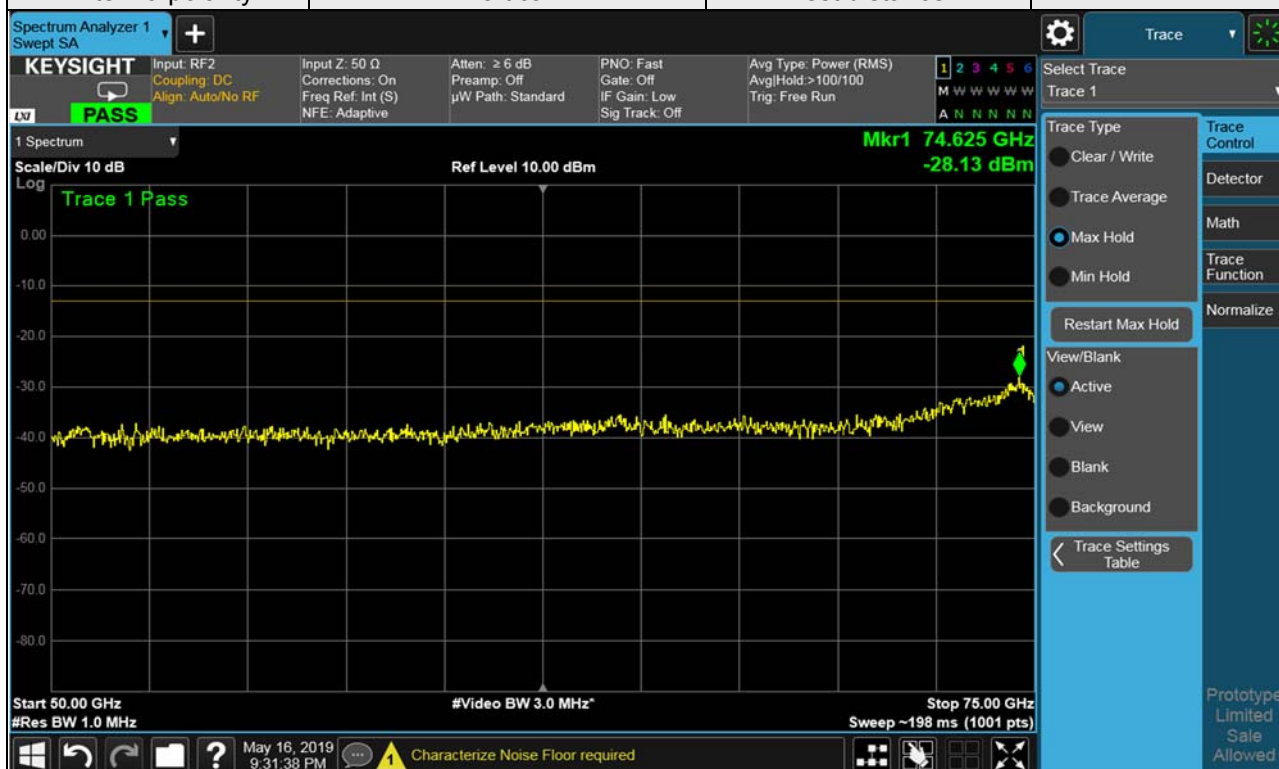
Note: The test results already include the correction factor (corrections: On).

|                  |             |               |        |
|------------------|-------------|---------------|--------|
| Band             | n261        | Beam ID       | 56+184 |
| Frequency Range  | 50GHz-75GHz | Channel       | Mid    |
| Antenna polarity | Horizontal  | Test distance | 1m     |



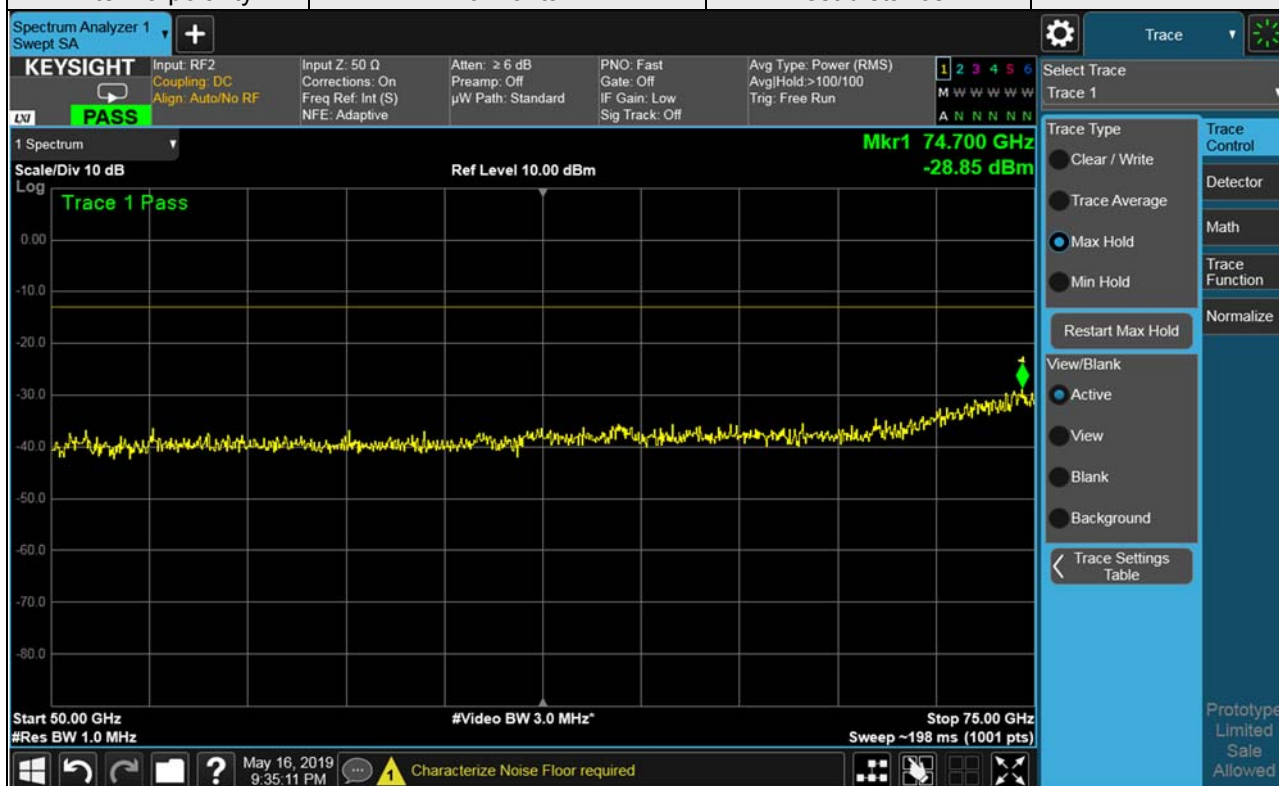
Note: The test results already include the correction factor (corrections: On).

|                  |             |               |        |
|------------------|-------------|---------------|--------|
| Band             | n261        | Beam ID       | 56+184 |
| Frequency Range  | 50GHz-75GHz | Channel       | Mid    |
| Antenna polarity | Vertical    | Test distance | 1m     |



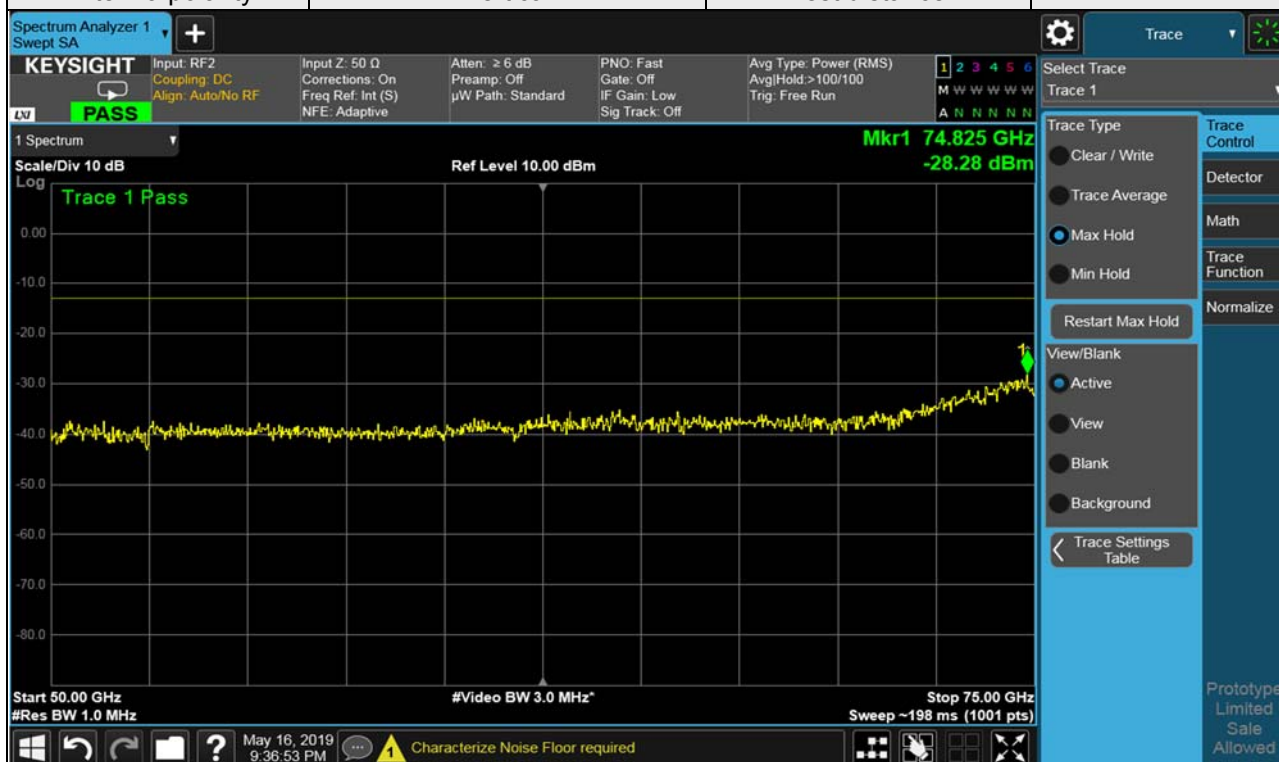
Note: The test results already include the correction factor (corrections: On).

|                  |             |               |        |
|------------------|-------------|---------------|--------|
| Band             | n261        | Beam ID       | 56+184 |
| Frequency Range  | 50GHz-75GHz | Channel       | High   |
| Antenna polarity | Horizontal  | Test distance | 1m     |

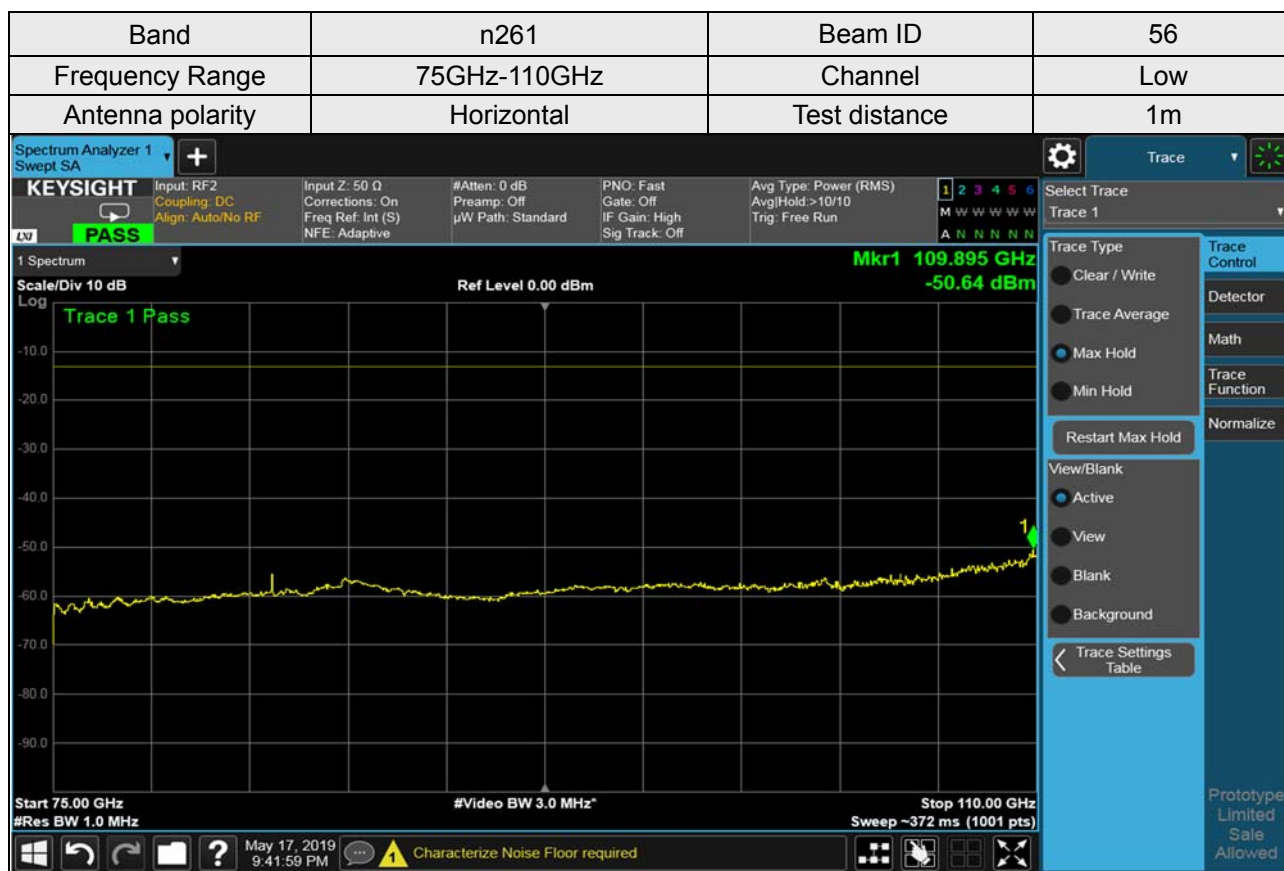


Note: The test results already include the correction factor (corrections: On).

|                  |             |               |        |
|------------------|-------------|---------------|--------|
| Band             | n261        | Beam ID       | 56+184 |
| Frequency Range  | 50GHz-75GHz | Channel       | High   |
| Antenna polarity | Vertical    | Test distance | 1m     |



Note: The test results already include the correction factor (corrections: On).

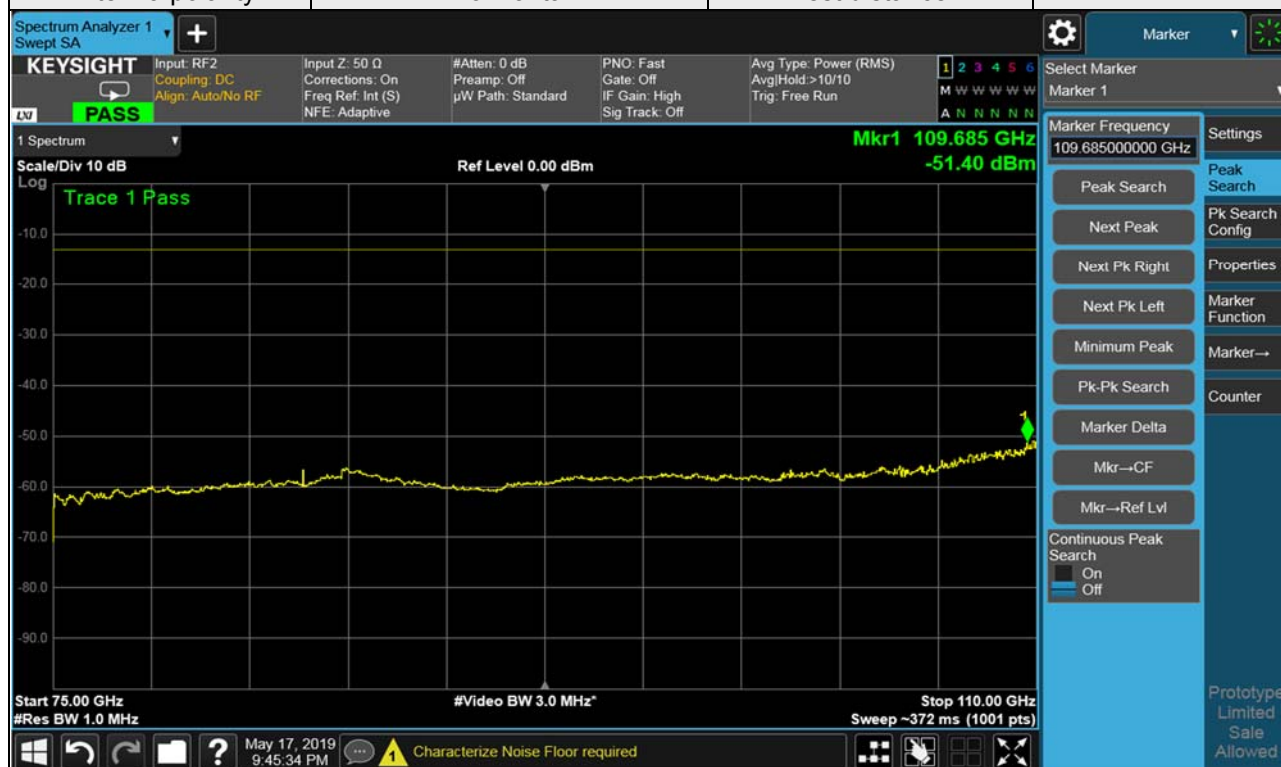


Note: The test results already include the correction factor (corrections: On).



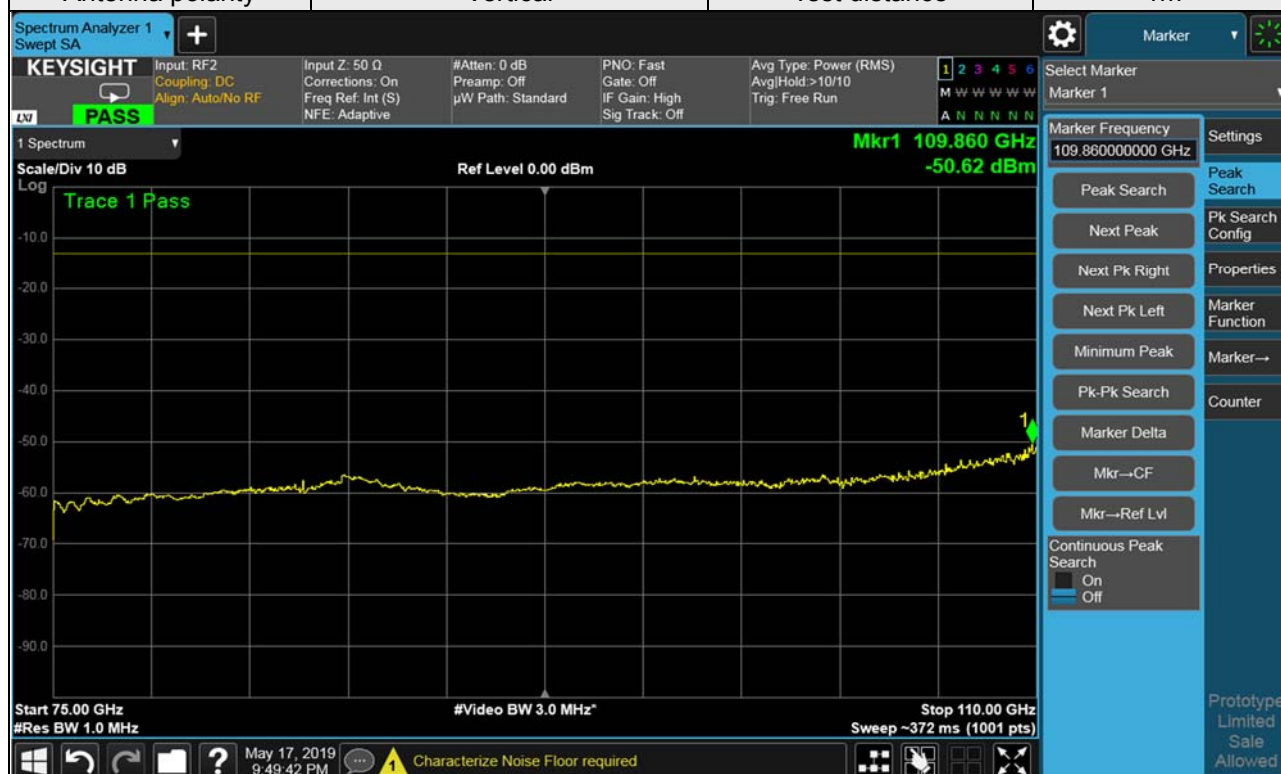
Note: The test results already include the correction factor (corrections: On).

|                  |              |               |     |
|------------------|--------------|---------------|-----|
| Band             | n261         | Beam ID       | 56  |
| Frequency Range  | 75GHz-110GHz | Channel       | Mid |
| Antenna polarity | Horizontal   | Test distance | 1m  |

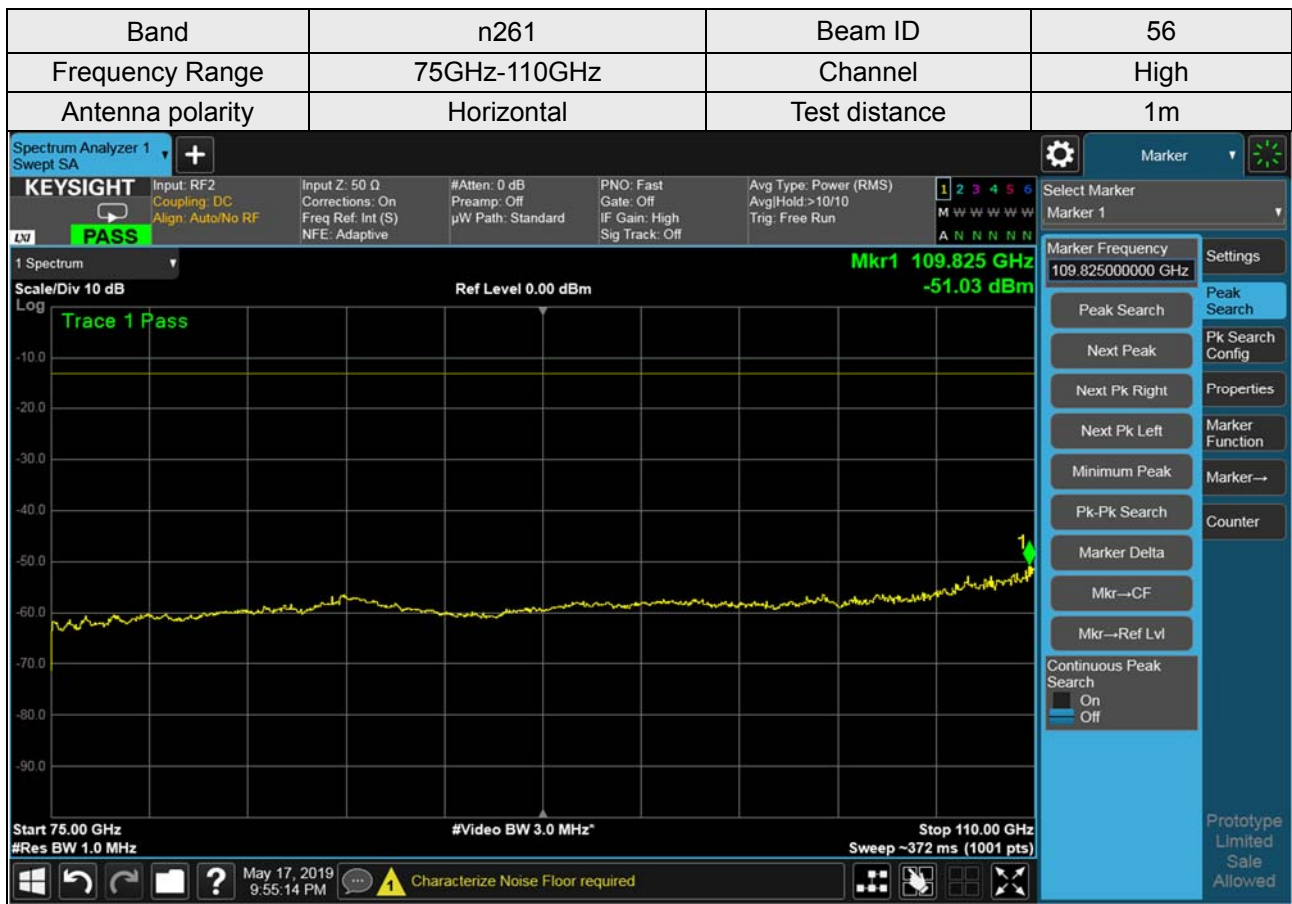


Note: The test results already include the correction factor (corrections: On).

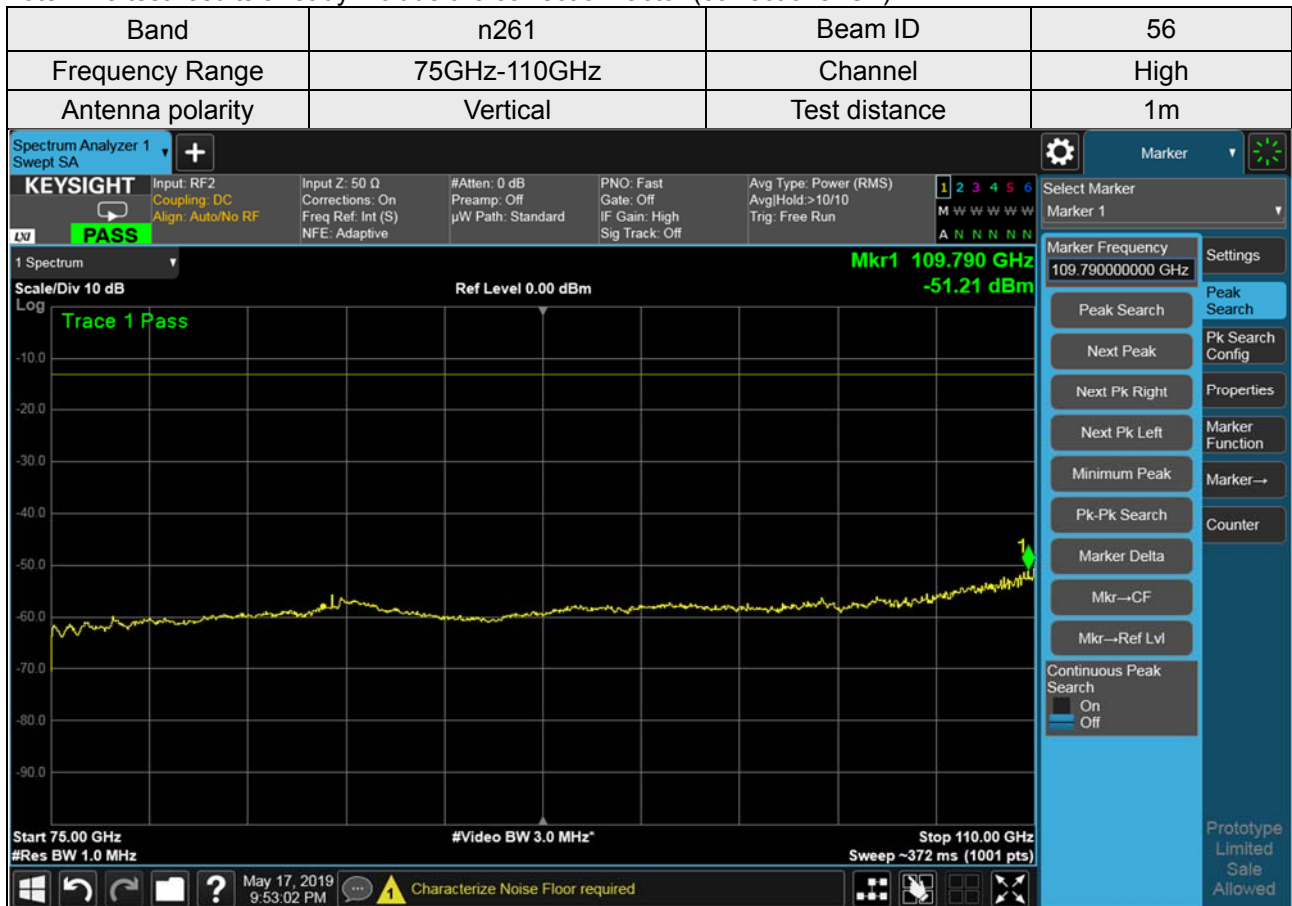
|                  |              |               |     |
|------------------|--------------|---------------|-----|
| Band             | n261         | Beam ID       | 56  |
| Frequency Range  | 75GHz-110GHz | Channel       | Mid |
| Antenna polarity | Vertical     | Test distance | 1m  |



Note: The test results already include the correction factor (corrections: On).

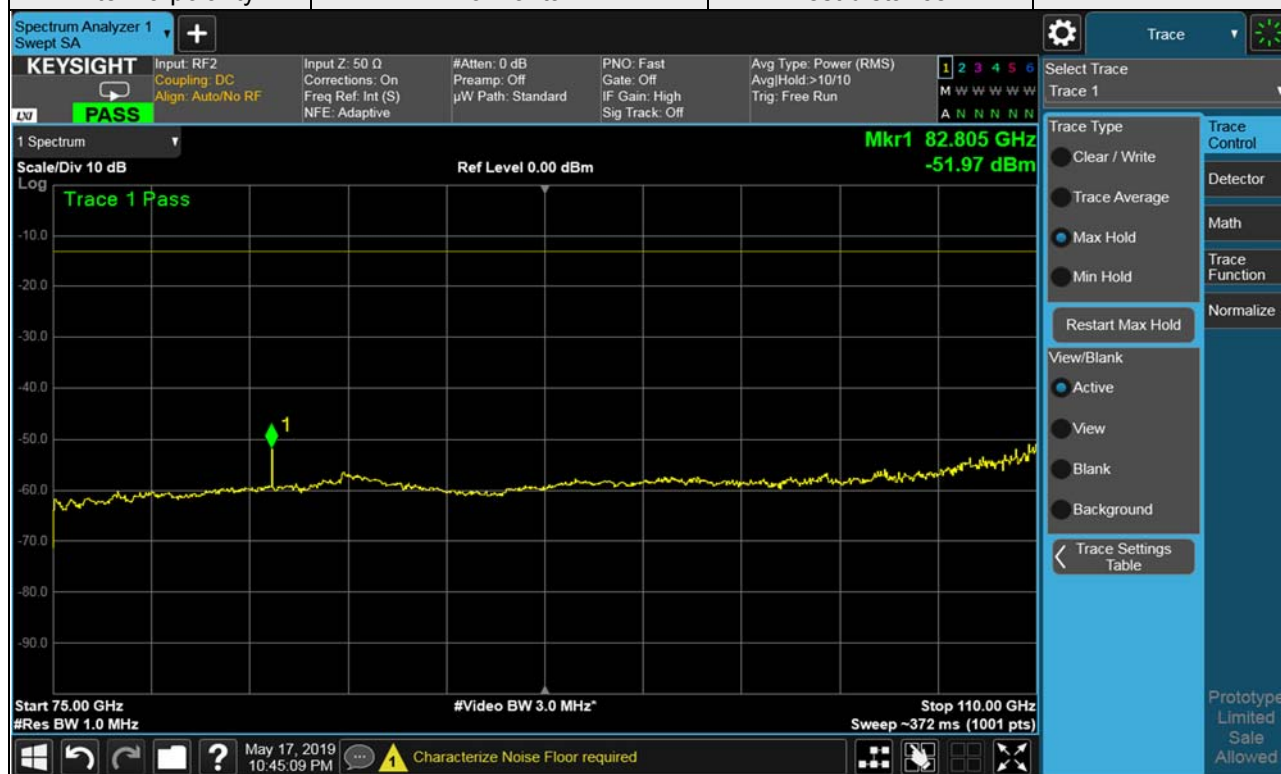


Note: The test results already include the correction factor (corrections: On).



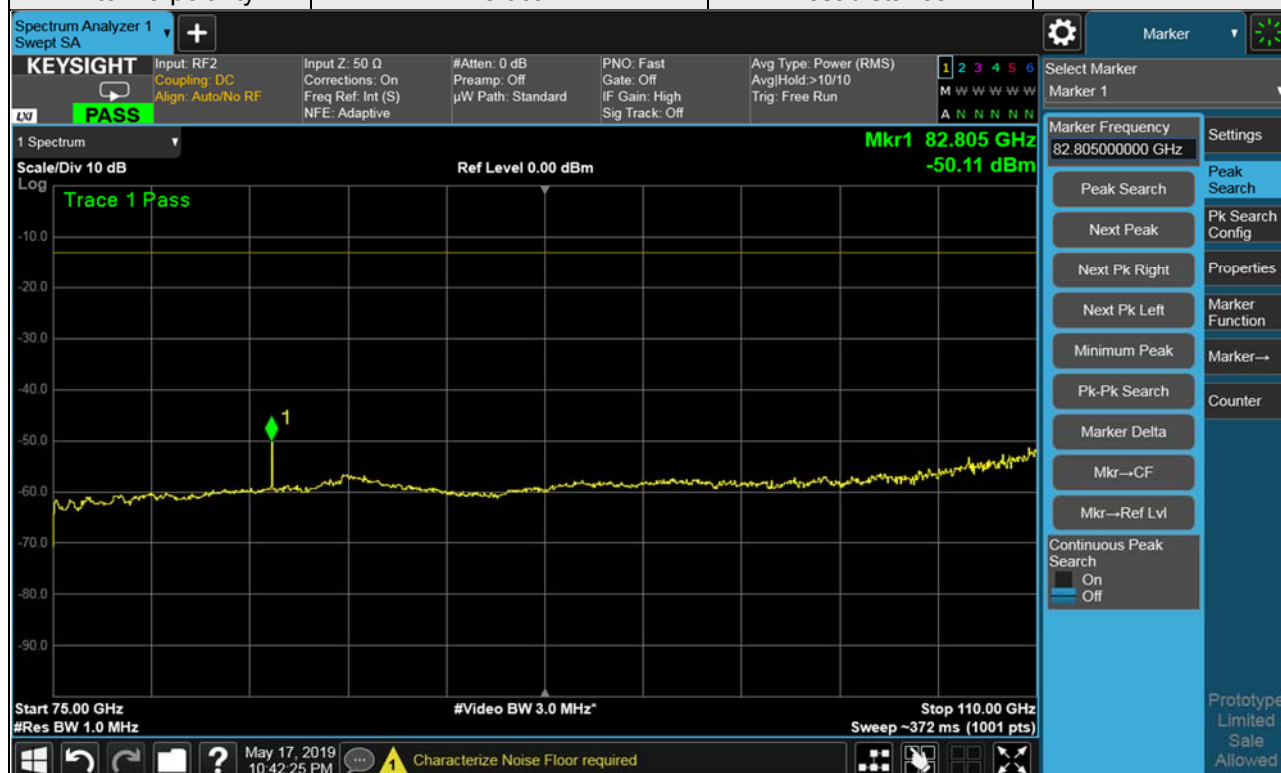
Note: The test results already include the correction factor (corrections: On).

|                  |              |               |        |
|------------------|--------------|---------------|--------|
| Band             | n261         | Beam ID       | 56+184 |
| Frequency Range  | 75GHz-110GHz | Channel       | Low    |
| Antenna polarity | Horizontal   | Test distance | 1m     |



Note: The test results already include the correction factor (corrections: On).

|                  |              |               |        |
|------------------|--------------|---------------|--------|
| Band             | n261         | Beam ID       | 56+184 |
| Frequency Range  | 75GHz-110GHz | Channel       | Low    |
| Antenna polarity | Vertical     | Test distance | 1m     |



Note: The test results already include the correction factor (corrections: On).

|                  |              |               |        |
|------------------|--------------|---------------|--------|
| Band             | n261         | Beam ID       | 56+184 |
| Frequency Range  | 75GHz-110GHz | Channel       | Mid    |
| Antenna polarity | Horizontal   | Test distance | 1m     |



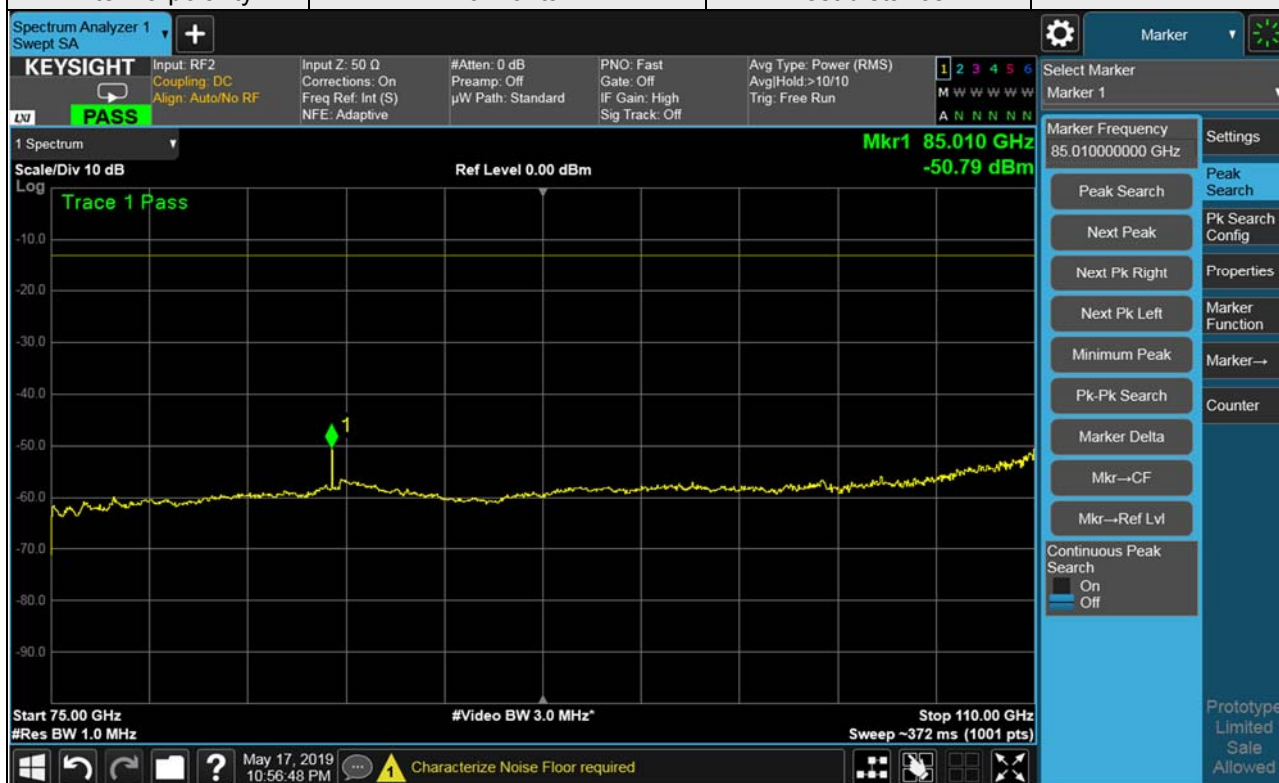
Note: The test results already include the correction factor (corrections: On).

|                  |              |               |        |
|------------------|--------------|---------------|--------|
| Band             | n261         | Beam ID       | 56+184 |
| Frequency Range  | 75GHz-110GHz | Channel       | Mid    |
| Antenna polarity | Vertical     | Test distance | 1m     |



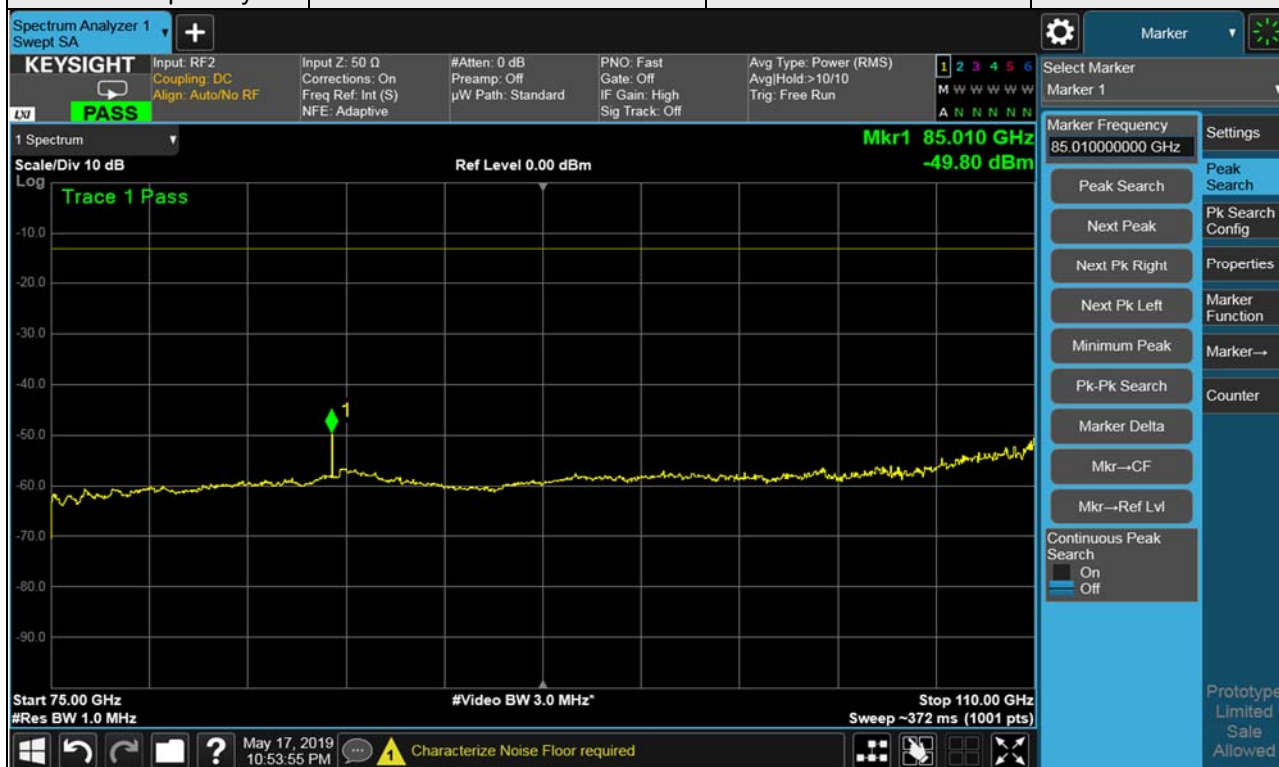
Note: The test results already include the correction factor (corrections: On).

|                  |              |               |        |
|------------------|--------------|---------------|--------|
| Band             | n261         | Beam ID       | 56+184 |
| Frequency Range  | 75GHz-110GHz | Channel       | High   |
| Antenna polarity | Horizontal   | Test distance | 1m     |



Note: The test results already include the correction factor (corrections: On).

|                  |              |               |        |
|------------------|--------------|---------------|--------|
| Band             | n261         | Beam ID       | 56+184 |
| Frequency Range  | 75GHz-110GHz | Channel       | High   |
| Antenna polarity | Vertical     | Test distance | 1m     |



Note: The test results already include the correction factor (corrections: On).

## 4.5 Out-of-Band Emission at the Band Edge Measurement

### 4.5.1 Limits of Out-of Band Emission at the Band Edge Measurement

The conductive power or the total radiated power of any emission outside a licensee's frequency block shall be -13 dBm/MHz or lower. However, in the bands immediately outside and adjacent to the licensee's frequency block, having a bandwidth equal to 10 percent of the channel bandwidth, the conductive power or the total radiated power of any emission shall be -5 dBm/MHz or lower.

### 4.5.2 Test Instruments

Refer to section 4.5.2.

### 4.5.3 Test Procedures

- Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m(below or equal 1GHz) and/or 1.5m(above 1GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- The substitution antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G.
- EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
- E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.R.P power - 2.15dBi.
- The requirements in 30.203 are expressed in terms of conductive power, and then conducted power will be calculated by EIRP-Array Gain.
- Antenna Gain Information at the Band Edge :

The following antenna gain information is provided to demonstrate the antenna performance of the 37~40 GHz band. These antenna gains were subtracted from the measured E.I.R.P levels at lower and upper band edge frequencies to determine an equivalent conductive power that was compared directly with the part 30.203 limits.

| Band            | 260        |
|-----------------|------------|
| Frequency (GHz) | Gain (dBi) |
| 37.6            | 8.07       |
| 40              | 8.88       |

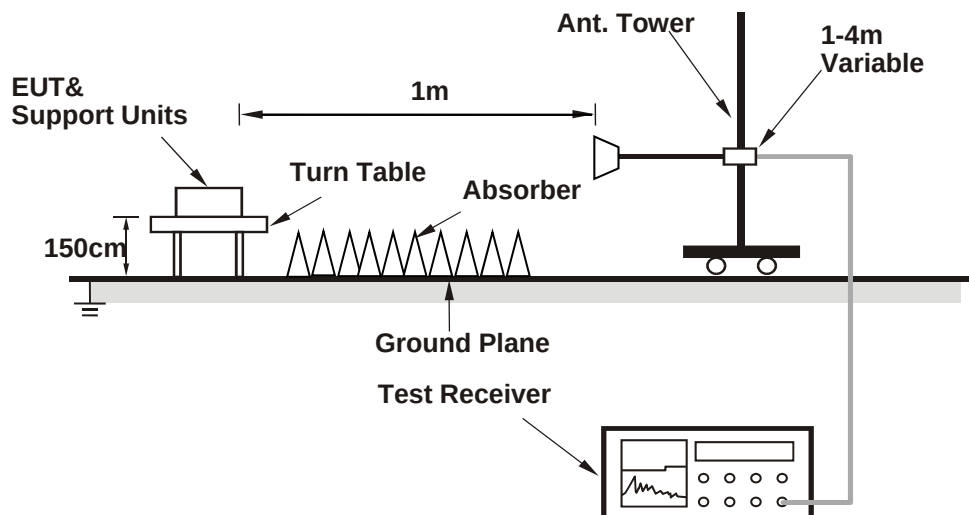
| Band            | 261         |
|-----------------|-------------|
| Frequency (GHz) | Gain ( dBi) |
| 27.5            | 10.33       |
| 28.35           | 9.84        |

Note: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

#### 4.5.4 Deviation from Test Standard

No deviation.

#### 4.5.5 Test Set Up



For the actual test configuration, please refer to the attached file (Test Setup Photo).

#### 4.5.6 EUT Operating Conditions

- Connected the Adapter to EUT.
- Prepared notebook to act as communication partner and placed it outside of testing area.
- The communication partner connected with EUT via a RJ45 cable and ran a test program (provided by manufacturer) to enable EUT under transmission condition continuously at specific channel frequency.
- The communication partner sent data to EUT by command "PING".

#### 4.5.7 Test Results

##### Lowest-edge

| Band       |                 | n260             |                  | Component Carriers    |             | 1CC         |        |
|------------|-----------------|------------------|------------------|-----------------------|-------------|-------------|--------|
| Modulation |                 | QPSK             |                  | RB                    |             | 1RB0        |        |
| Beam ID    | Frequency (GHz) | EIRP Value (dBm) | Array Gain (dBi) | Conducted Power (dBm) | Limit (dBm) | Margin (dB) | Result |
| 164        | 37.59960        | 0.706            | 8.07             | -7.364                | -5          | -2.364      | Pass   |
|            | 37.59475        | -9.863           | 8.07             | -17.933               | -13         | -4.933      | Pass   |
| 184        | 37.59965        | 2.018            | 8.07             | -6.052                | -5          | -1.052      | Pass   |
|            | 37.58720        | -12.689          | 8.07             | -20.759               | -13         | -7.759      | Pass   |
| 189        | 37.59925        | -0.349           | 8.07             | -8.419                | -5          | -3.419      | Pass   |
|            | 37.59465        | -8.305           | 8.07             | -16.375               | -13         | -3.375      | Pass   |
| 40+164     | 37.59940        | 0.182            | 8.07             | -7.888                | -5          | -2.888      | Pass   |
|            | 37.59390        | -11.633          | 8.07             | -19.703               | -13         | -6.703      | Pass   |
| 58+184     | 37.59950        | 1.743            | 8.07             | -6.327                | -5          | -1.327      | Pass   |
|            | 37.59360        | -13.647          | 8.07             | -21.717               | -13         | -8.717      | Pass   |
| 61+189     | 37.59900        | 0.800            | 8.07             | -7.270                | -5          | -2.270      | Pass   |
|            | 37.59425        | -11.182          | 8.07             | -19.252               | -13         | -6.252      | Pass   |

Note: The Conducted Power = EIRP-Array Gain



### Lowest-edge

| Band       |                 | n260             |                  | Component Carriers    |             | 2CC         |        |
|------------|-----------------|------------------|------------------|-----------------------|-------------|-------------|--------|
| Modulation |                 | QPSK             |                  | RB                    |             | 1RB0        |        |
| Beam ID    | Frequency (GHz) | EIRP Value (dBm) | Array Gain (dBi) | Conducted Power (dBm) | Limit (dBm) | Margin (dB) | Result |
| 164        | 37.59990        | -7.492           | 8.07             | -15.562               | -5          | -10.562     | Pass   |
|            | 37.59280        | -12.758          | 8.07             | -20.828               | -13         | -7.828      | Pass   |
| 184        | 37.59990        | -5.610           | 8.07             | -13.680               | -5          | -8.680      | Pass   |
|            | 37.58110        | -13.307          | 8.07             | -21.377               | -13         | -8.377      | Pass   |
| 189        | 37.59985        | -5.485           | 8.07             | -13.555               | -5          | -8.555      | Pass   |
|            | 37.57800        | -13.423          | 8.07             | -21.493               | -13         | -8.493      | Pass   |
| 40+164     | 37.59995        | -4.835           | 8.07             | -12.905               | -5          | -7.905      | Pass   |
|            | 37.57745        | -13.392          | 8.07             | -21.462               | -13         | -8.462      | Pass   |
| 58+184     | 37.59985        | -2.402           | 8.07             | -10.472               | -5          | -5.472      | Pass   |
|            | 37.58965        | -13.082          | 8.07             | -21.152               | -13         | -8.152      | Pass   |
| 61+189     | 37.59975        | -5.475           | 8.07             | -13.545               | -5          | -8.545      | Pass   |
|            | 37.58970        | -13.606          | 8.07             | -21.676               | -13         | -8.676      | Pass   |

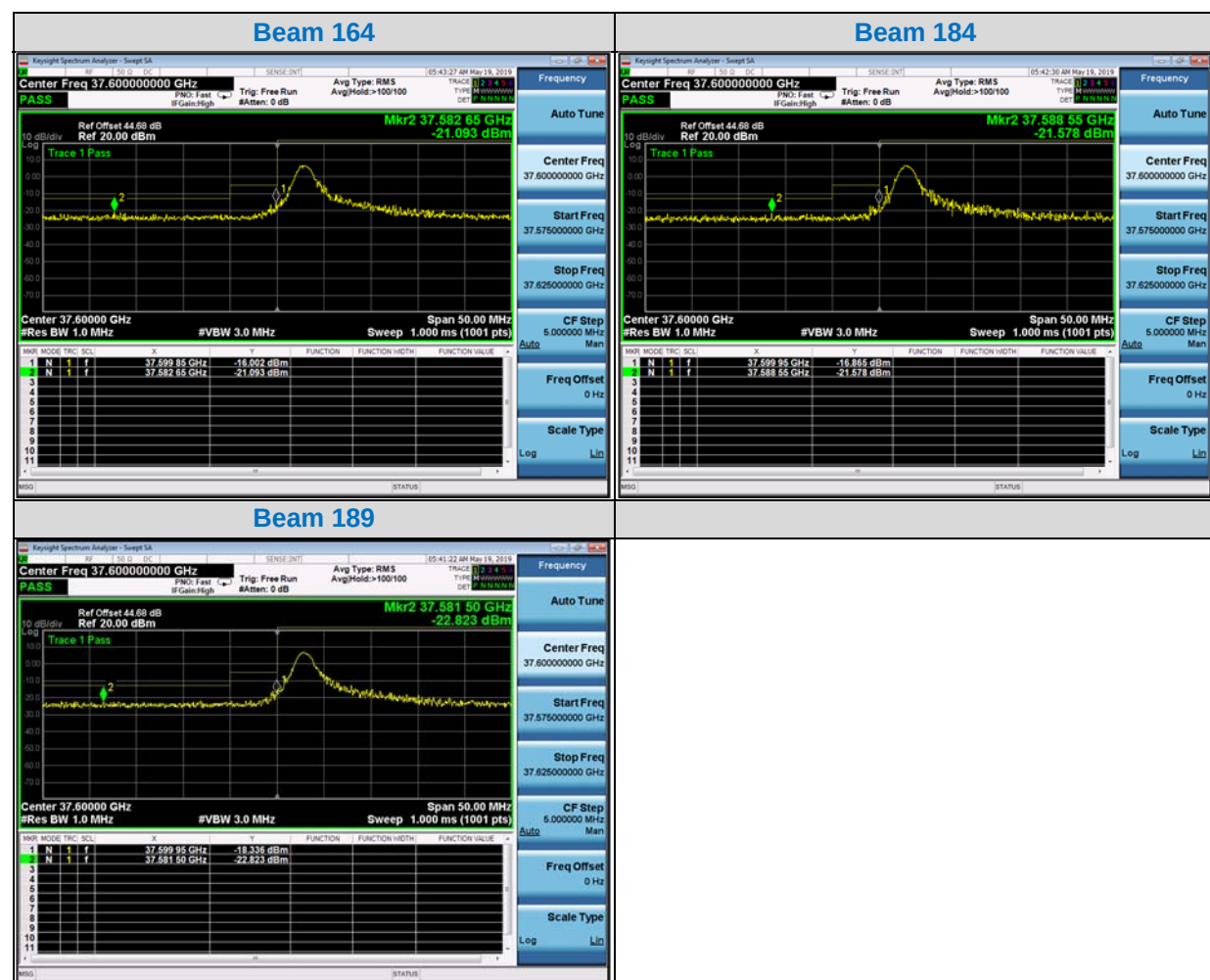
Note: The Conducted Power = EIRP-Array Gain



## Lowest-edge

| Band       |                 | n260             |                  | Component Carriers    |             | 4CC         |        |
|------------|-----------------|------------------|------------------|-----------------------|-------------|-------------|--------|
| Modulation |                 | QPSK             |                  | RB                    |             | 1RB0        |        |
| Beam ID    | Frequency (GHz) | EIRP Value (dBm) | Array Gain (dBi) | Conducted Power (dBm) | Limit (dBm) | Margin (dB) | Result |
| 164        | 37.59985        | -7.932           | 8.07             | -16.002               | -5          | -11.002     | Pass   |
|            | 37.58265        | -13.023          | 8.07             | -21.093               | -13         | -8.093      | Pass   |
| 184        | 37.59995        | -8.795           | 8.07             | -16.865               | -5          | -11.865     | Pass   |
|            | 37.58855        | -13.508          | 8.07             | -21.578               | -13         | -8.578      | Pass   |
| 189        | 37.59995        | -10.266          | 8.07             | -18.336               | -5          | -13.336     | Pass   |
|            | 37.58150        | -14.753          | 8.07             | -22.823               | -13         | -9.823      | Pass   |

Note: The Conducted Power = EIRP-Array Gain

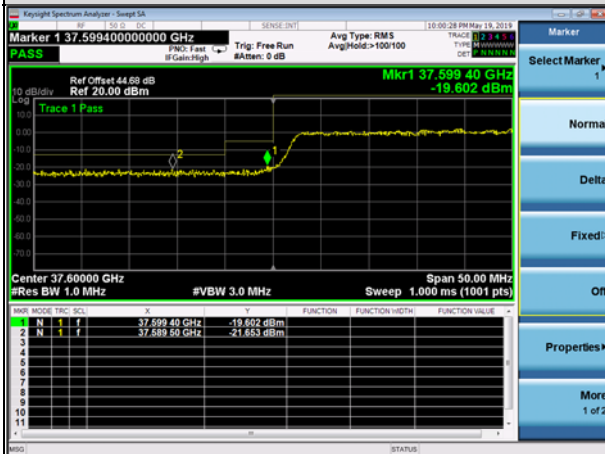


### Lowest-edge

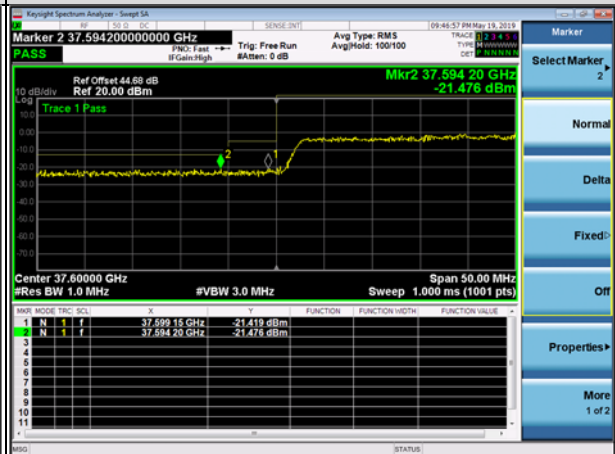
| BAND       |                 | n260             |                  | Component Carriers    |             | 1CC         |        |
|------------|-----------------|------------------|------------------|-----------------------|-------------|-------------|--------|
| MODULATION |                 | QPSK             |                  | RB                    |             | 66RB        |        |
| Beam ID    | Frequency (GHz) | EIRP Value (dBm) | Array Gain (dBi) | Conducted Power (dBm) | Limit (dBm) | Margin (dB) | Result |
| 164        | 37.59940        | -11.532          | 8.07             | -19.602               | -5          | -14.602     | Pass   |
|            | 37.58950        | -13.583          | 8.07             | -21.653               | -13         | -8.653      | Pass   |
| 184        | 37.59915        | -13.349          | 8.07             | -21.419               | -5          | -16.419     | Pass   |
|            | 37.59420        | -13.406          | 8.07             | -21.476               | -13         | -8.476      | Pass   |
| 189        | 37.59950        | -13.089          | 8.07             | -21.159               | -5          | -16.159     | Pass   |
|            | 37.58050        | -12.654          | 8.07             | -20.724               | -13         | -7.724      | Pass   |
| 40+164     | 37.59950        | -11.685          | 8.07             | -19.755               | -5          | -14.755     | Pass   |
|            | 37.58750        | -12.875          | 8.07             | -20.945               | -13         | -7.945      | Pass   |
| 58+184     | 37.59980        | -10.490          | 8.07             | -18.560               | -5          | -13.560     | Pass   |
|            | 37.58755        | -13.037          | 8.07             | -21.107               | -13         | -8.107      | Pass   |
| 61+189     | 37.59955        | -11.954          | 8.07             | -20.024               | -5          | -15.024     | Pass   |
|            | 37.58625        | -12.712          | 8.07             | -20.782               | -13         | -7.782      | Pass   |

Note: The Conducted Power = EIRP-Array Gain

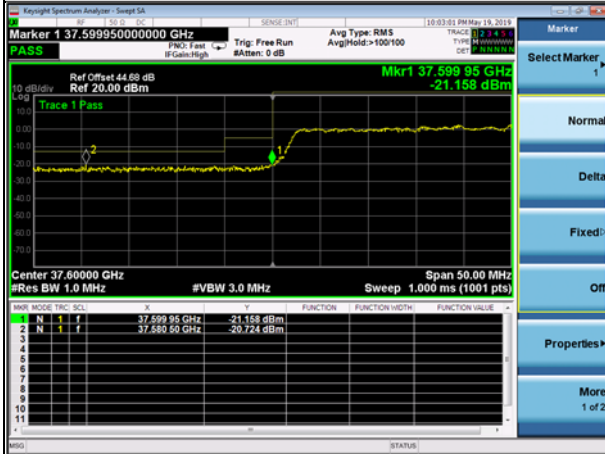
### Beam 164



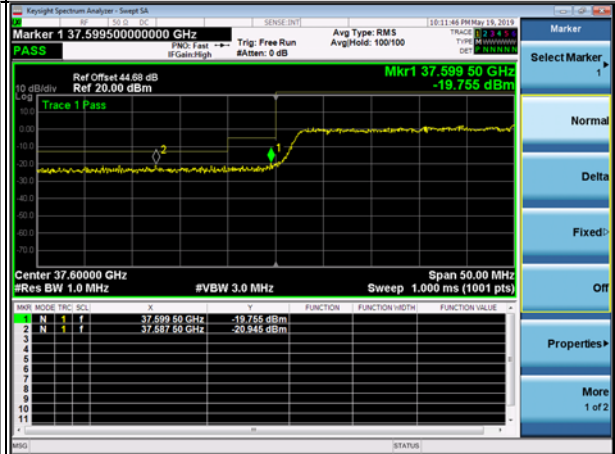
### Beam 184



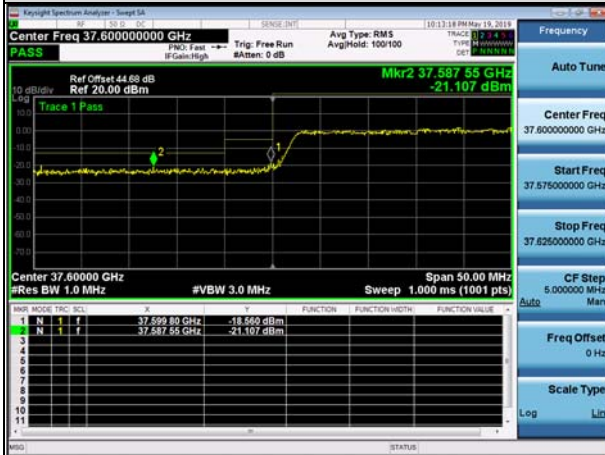
### Beam 189



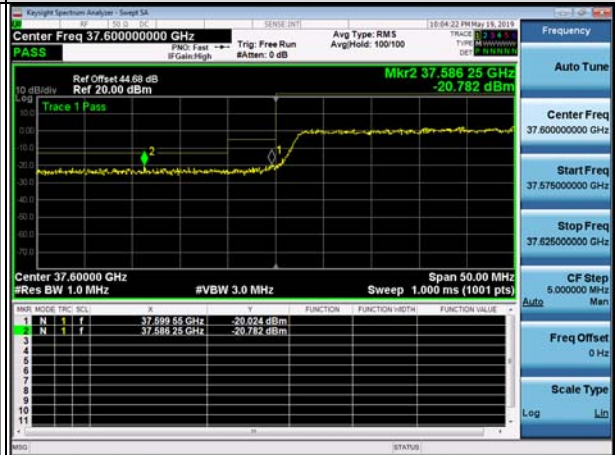
### Beam 40+164



### Beam 58+184



### Beam 61+189

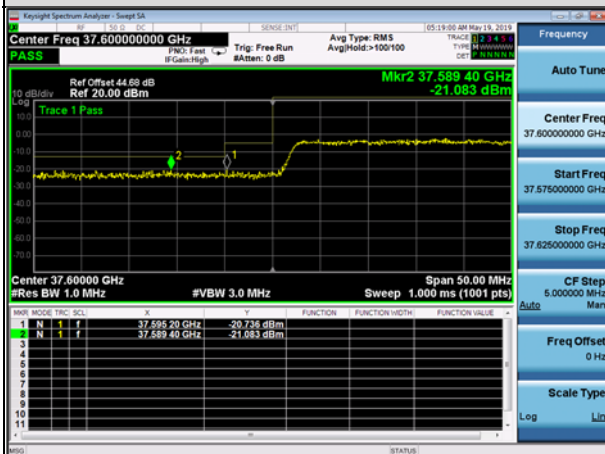


### Lowest-edge

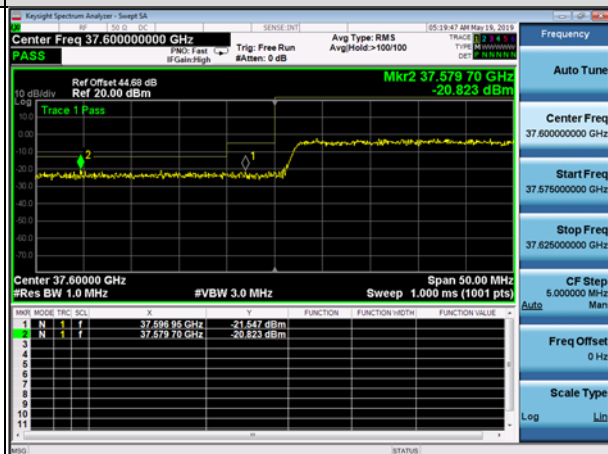
| BAND       |                 | n260             |                  | Component Carriers    |             | 2CC         |        |
|------------|-----------------|------------------|------------------|-----------------------|-------------|-------------|--------|
| MODULATION |                 | QPSK             |                  | RB                    |             | 66RB        |        |
| Beam ID    | Frequency (GHz) | EIRP Value (dBm) | Array Gain (dBi) | Conducted Power (dBm) | Limit (dBm) | Margin (dB) | Result |
| 164        | 37.59520        | -12.666          | 8.07             | -20.736               | -5          | -15.736     | Pass   |
|            | 37.58940        | -13.013          | 8.07             | -21.083               | -13         | -8.083      | Pass   |
| 184        | 37.59695        | -13.477          | 8.07             | -21.547               | -5          | -16.547     | Pass   |
|            | 37.57970        | -12.753          | 8.07             | -20.823               | -13         | -7.823      | Pass   |
| 189        | 37.59570        | -15.090          | 8.07             | -23.160               | -5          | -18.160     | Pass   |
|            | 37.59215        | -14.605          | 8.07             | -22.675               | -13         | -9.675      | Pass   |
| 40+164     | 37.59950        | -11.741          | 8.07             | -19.811               | -5          | -14.811     | Pass   |
|            | 37.59050        | -11.244          | 8.07             | -19.314               | -13         | -6.314      | Pass   |
| 58+184     | 37.59790        | -12.917          | 8.07             | -20.987               | -5          | -15.987     | Pass   |
|            | 37.59060        | -11.857          | 8.07             | -19.927               | -13         | -6.927      | Pass   |
| 61+189     | 37.59985        | -10.996          | 8.07             | -19.066               | -5          | -14.066     | Pass   |
|            | 37.59105        | -12.105          | 8.07             | -20.175               | -13         | -7.175      | Pass   |

Note: The Conducted Power = EIRP-Array Gain

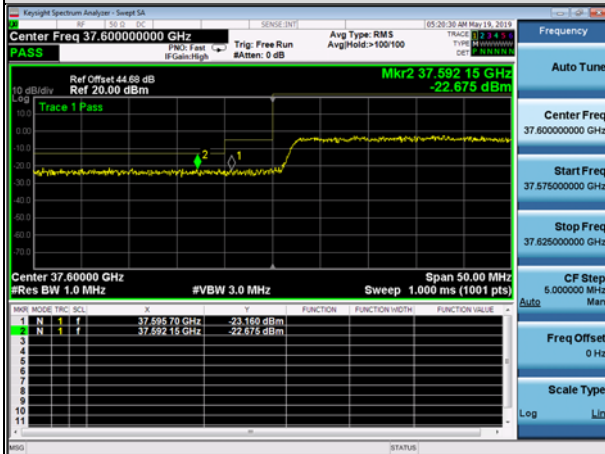
### Beam 164



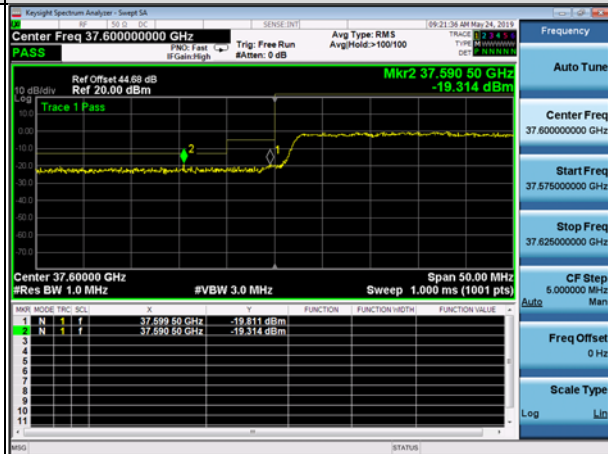
### Beam 184



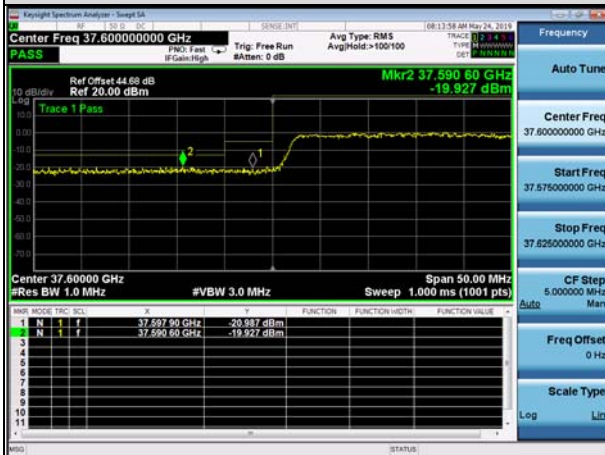
### Beam 189



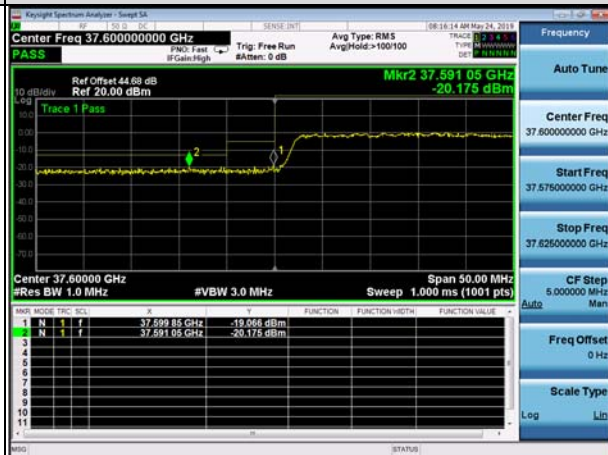
### Beam 40+164



### Beam 58+184



### Beam 61+189



## Lowest-edge

| BAND       |                 | n260             |                  | Component Carriers    |             | 4CC         |        |
|------------|-----------------|------------------|------------------|-----------------------|-------------|-------------|--------|
| MODULATION |                 | QPSK             |                  | RB                    |             | 66RB        |        |
| Beam ID    | Frequency (GHz) | EIRP Value (dBm) | Array Gain (dBi) | Conducted Power (dBm) | Limit (dBm) | Margin (dB) | Result |
| 164        | 37.59895        | -12.608          | 8.07             | -20.678               | -5          | -15.678     | Pass   |
|            | 37.58260        | -11.528          | 8.07             | -19.598               | -13         | -6.598      | Pass   |
| 184        | 37.59985        | -12.586          | 8.07             | -20.656               | -5          | -15.656     | Pass   |
|            | 37.58505        | -12.550          | 8.07             | -20.620               | -13         | -7.620      | Pass   |
| 189        | 37.59620        | -11.873          | 8.07             | -19.943               | -5          | -14.943     | Pass   |
|            | 37.59170        | -12.768          | 8.07             | -20.838               | -13         | -7.838      | Pass   |

Note: The Conducted Power = EIRP-Array Gain

