

- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. 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.
- j. Repeat above procedures until all frequencies measured was complete.

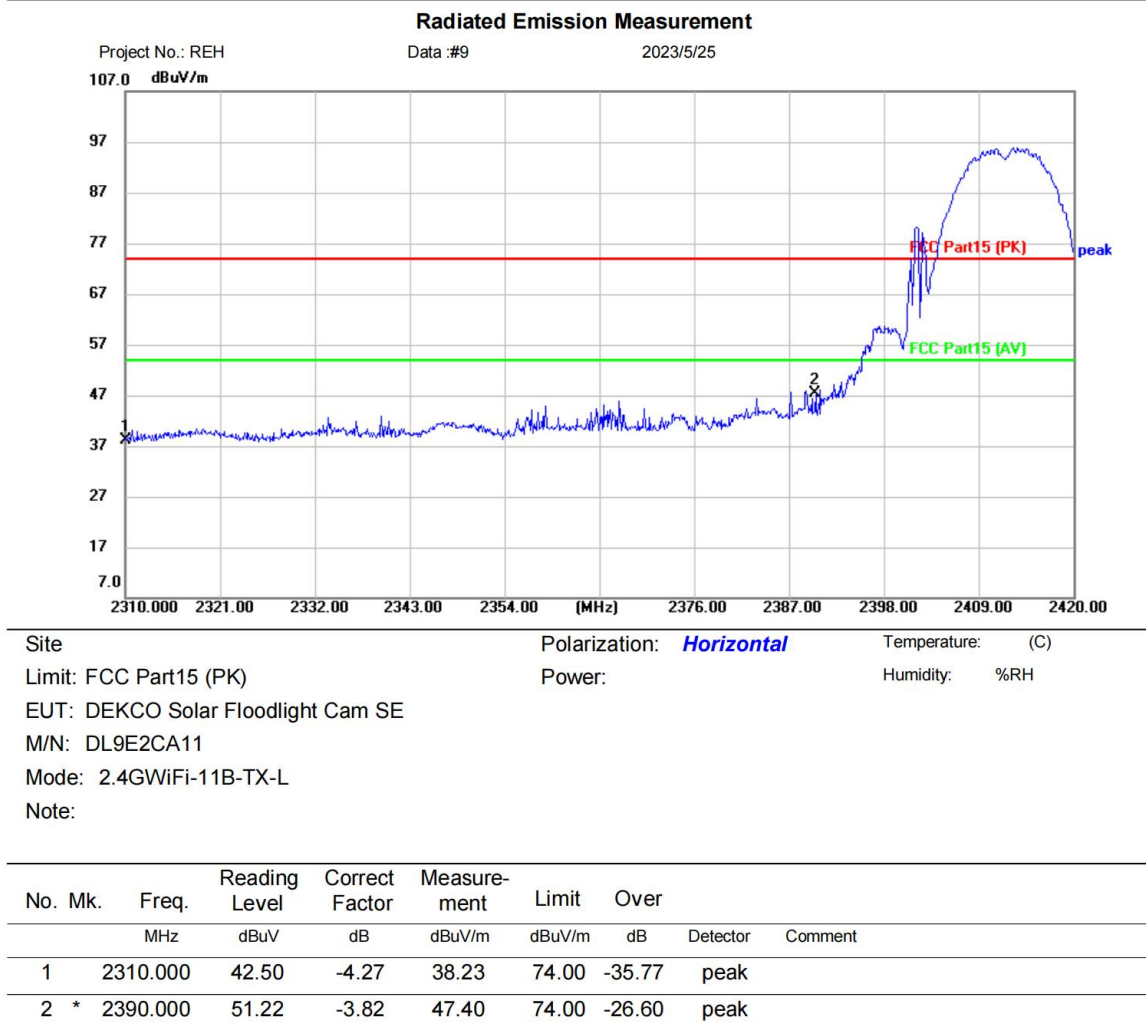
Remark 1:  $\text{Level} = \text{Read Level} + \text{Cable Loss} + \text{Antenna Factor} - \text{Preamp Factor}$

Remark 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

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#### 14.4 TEST DATA

[TestMode: TX b low channel]; [Polarity: Horizontal]



\*:Maximum data    x:Over limit    !:over margin

(Reference Only)

Receiver: ESR\_1

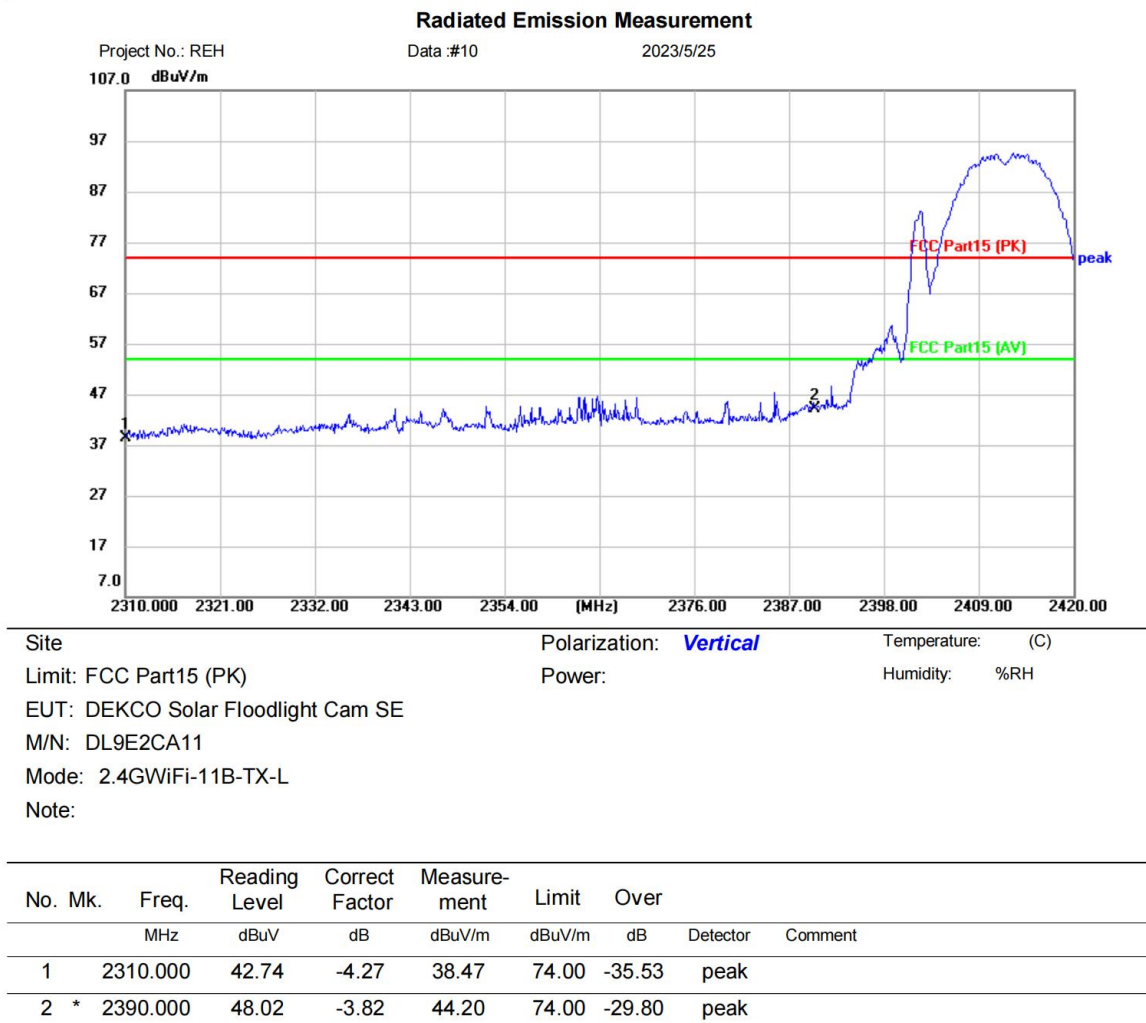
Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G

Engineer Signature:

**Test Result: Pass**

[TestMode: TX b low channel]; [Polarity: Vertical]



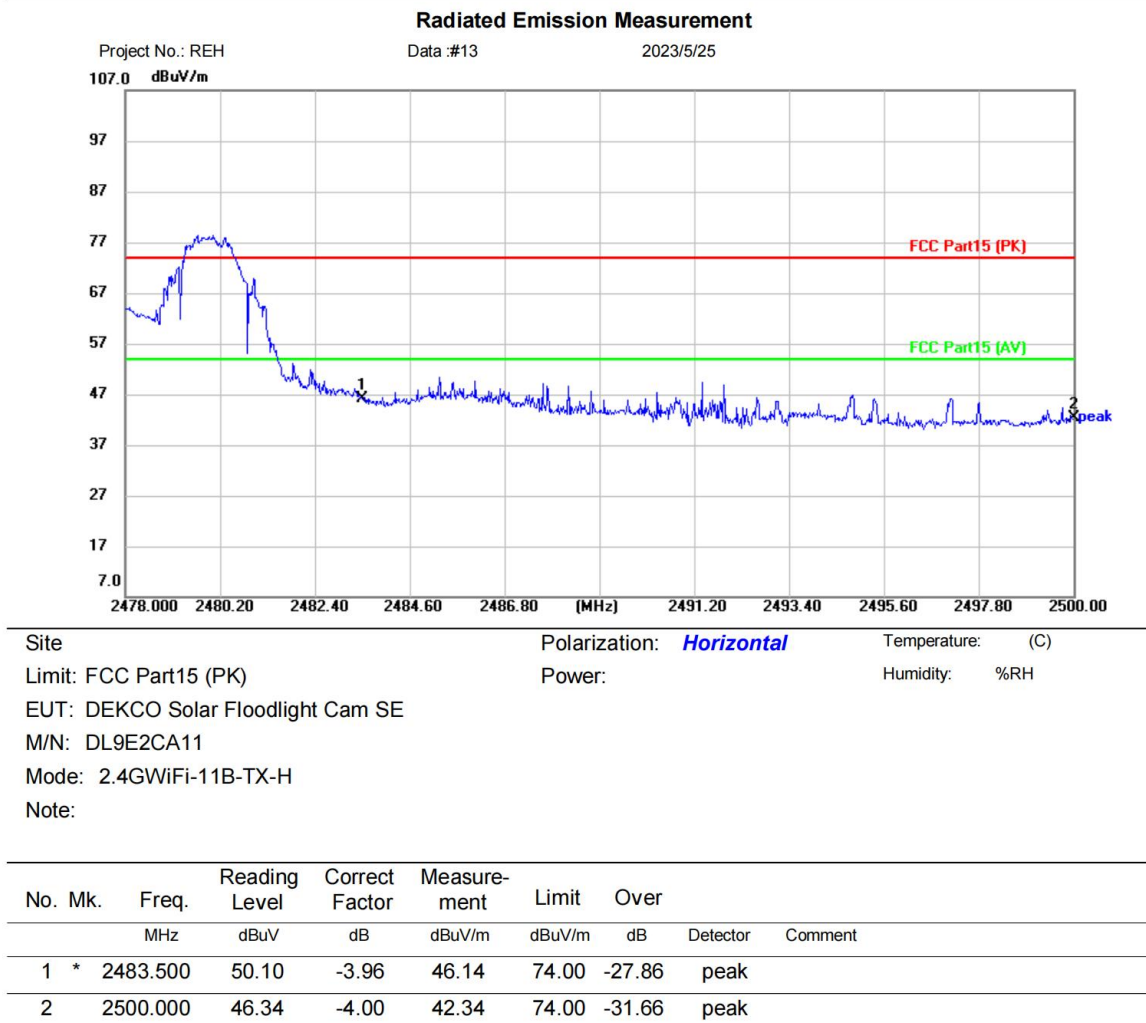
\*:Maximum data    x:Over limit    !:over margin      <Reference Only

Receiver:      ESR\_1      Spectrum Analyzer:      FSP40

Antenna:      EZ 9120D 1G-18G      Engineer Signature:

**Test Result: Pass**

[TestMode: TX b low channel channel]; [Polarity: Horizontal]



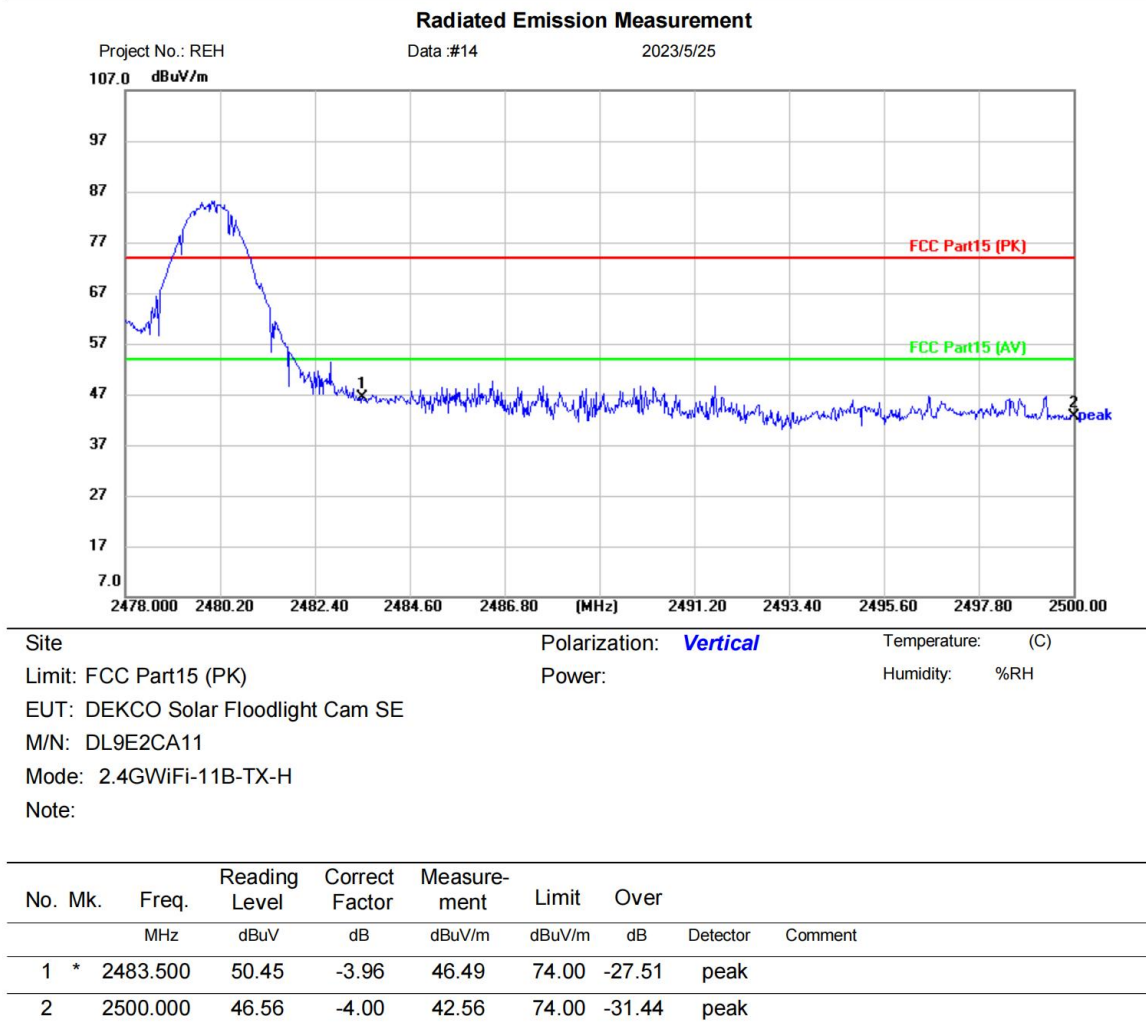
\*:Maximum data    x:Over limit    !:over margin    <Reference Only

Receiver: ESR\_1      Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G      Engineer Signature:

**Test Result: Pass**

[TestMode: TX b low channel channel]; [Polarity: Vertical]



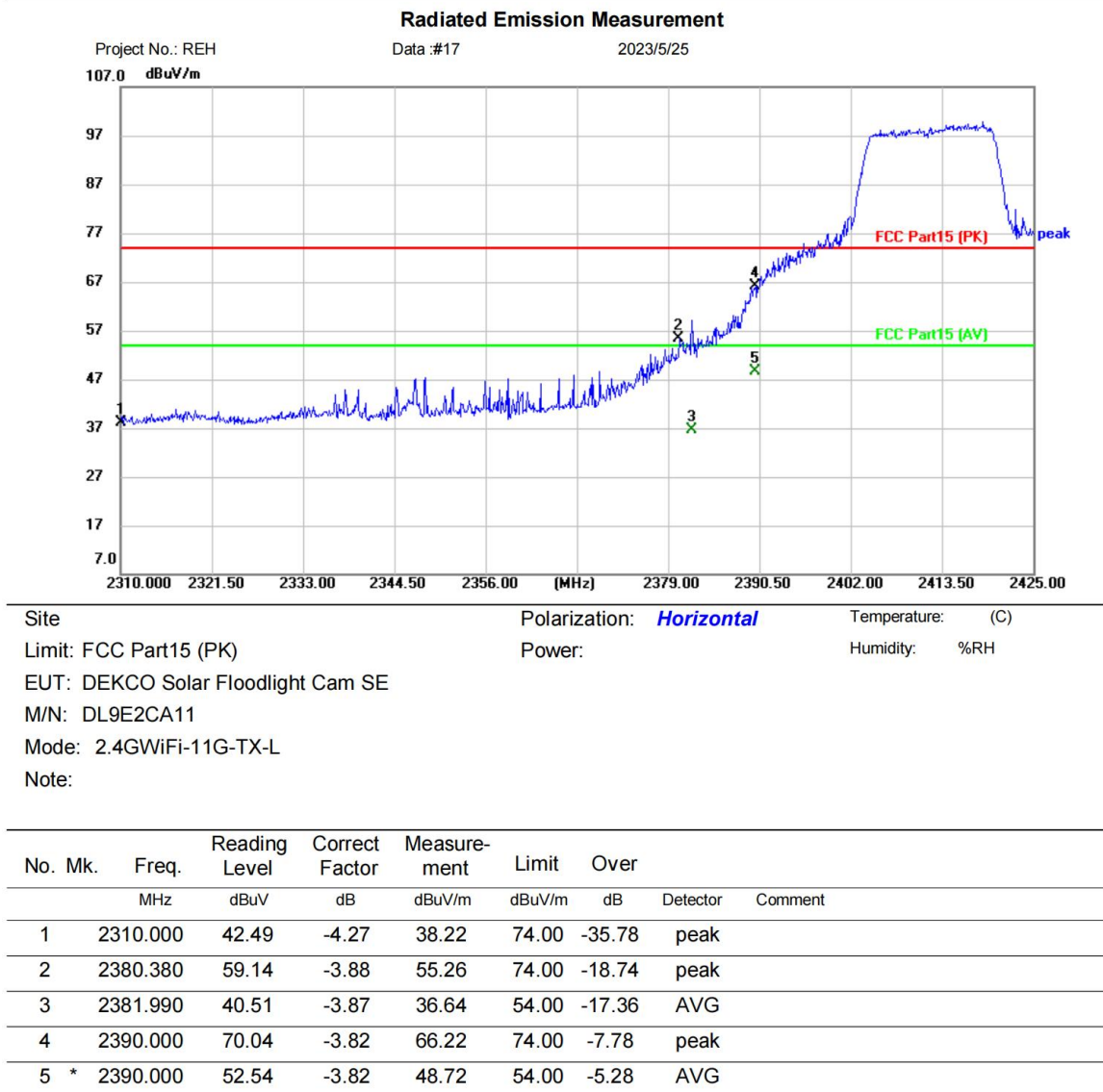
\*:Maximum data    x:Over limit    !:over margin      <Reference Only

Receiver:      ESR\_1      Spectrum Analyzer:      FSP40

Antenna:      EZ 9120D 1G-18G      Engineer Signature:

**Test Result: Pass**

[TestMode: TX g high channel channel]; [Polarity: Horizontal]



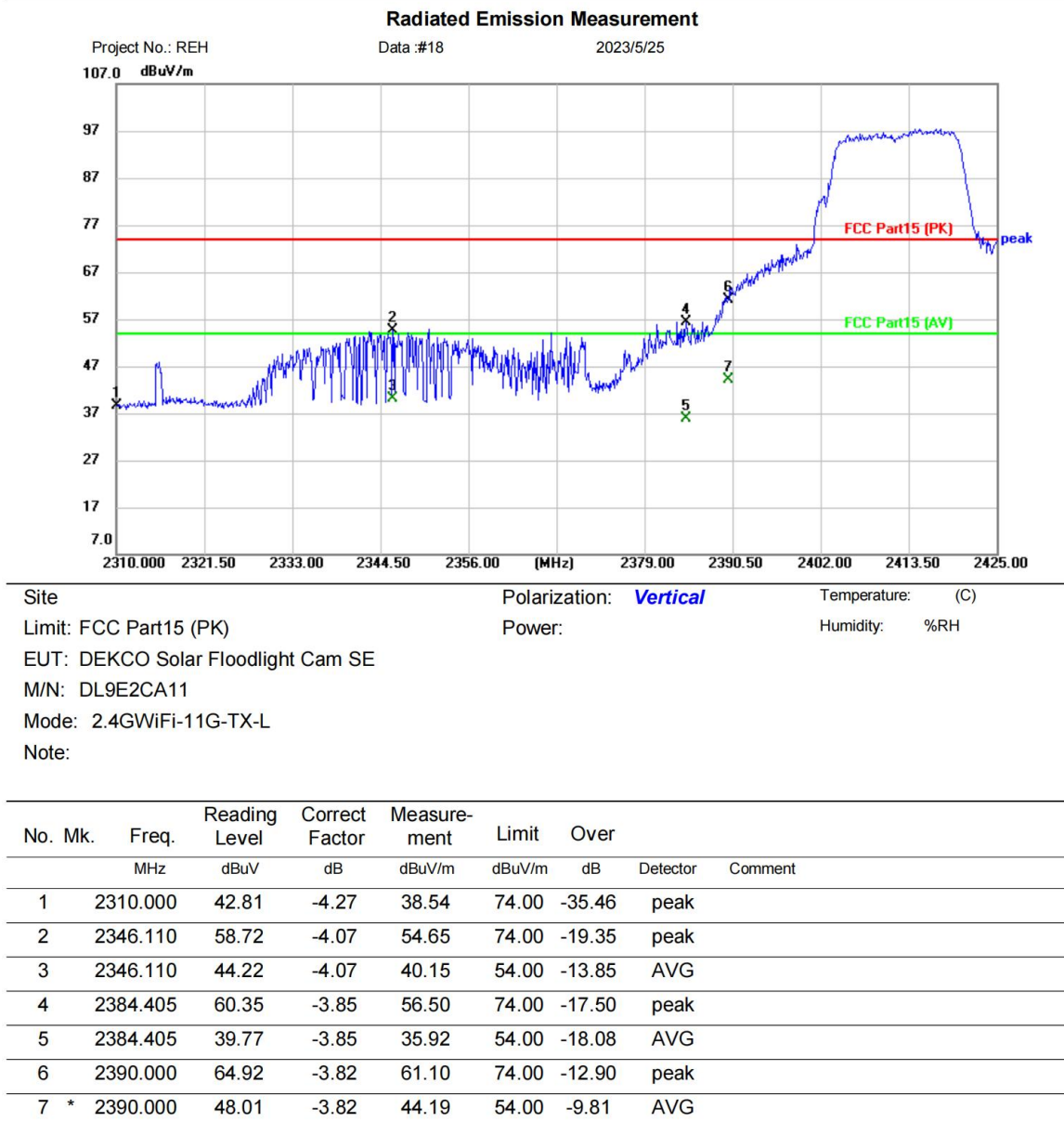
\*:Maximum data    x:Over limit    !:over margin      (Reference Only)

Receiver: ESR\_1      Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G      Engineer Signature:

**Test Result: Pass**

[TestMode: TX g high channel channel]; [Polarity: Vertical]

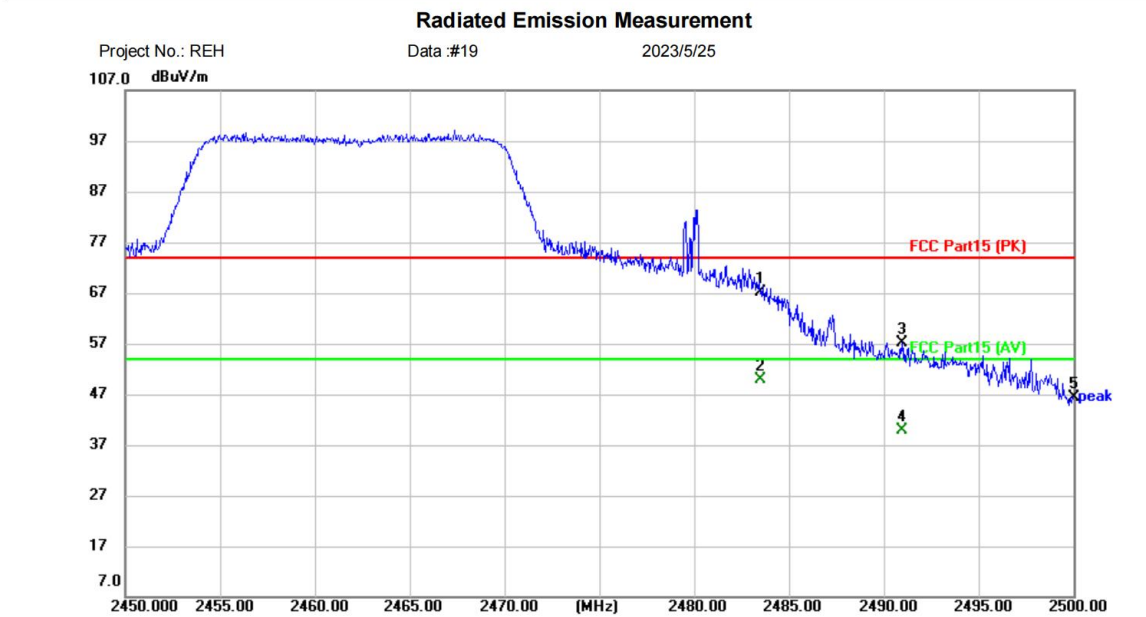


\*:Maximum data    x:Over limit    !:over margin      <Reference Only

Receiver: ESR\_1      Spectrum Analyzer: FSP40  
Antenna: EZ 9120D 1G-18G      Engineer Signature:

**Test Result: Pass**

[TestMode: TX g low channel channel]; [Polarity: Horizontal]



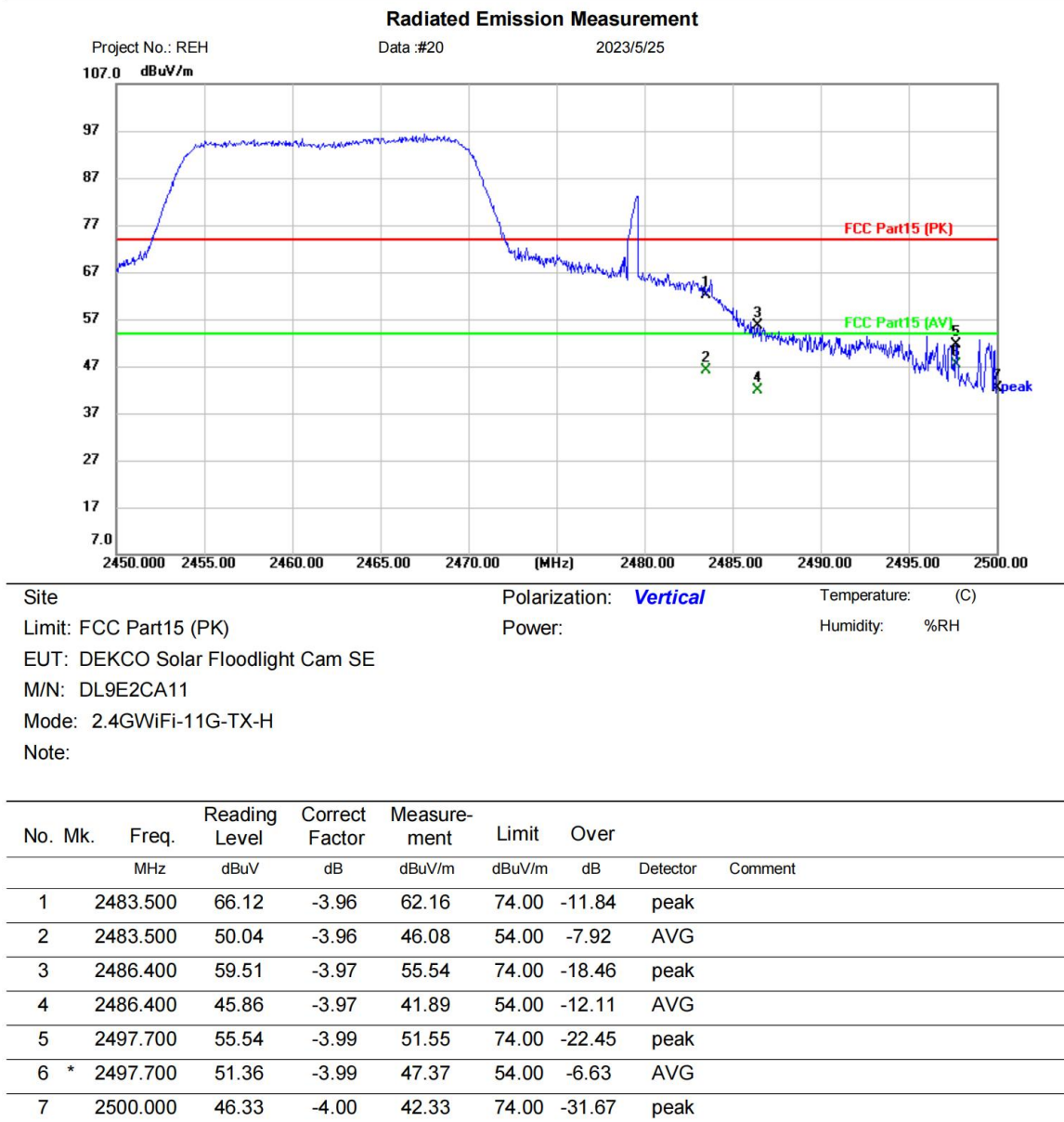
|                                    |                                 |                  |
|------------------------------------|---------------------------------|------------------|
| Site                               | Polarization: <b>Horizontal</b> | Temperature: (C) |
| Limit: FCC Part15 (PK)             | Power:                          | Humidity: %RH    |
| EUT: DEKCO Solar Floodlight Cam SE |                                 |                  |
| M/N: DL9E2CA11                     |                                 |                  |
| Mode: 2.4GWiFi-11G-TX-H            |                                 |                  |
| Note:                              |                                 |                  |

| No. | Mk. | Freq.<br>MHz | Reading<br>Level<br>dBuV | Correct<br>Factor<br>dB | Measure-<br>ment<br>dBuV/m | Limit<br>dBuV/m | Over<br>dB | Detector | Comment |
|-----|-----|--------------|--------------------------|-------------------------|----------------------------|-----------------|------------|----------|---------|
| 1   |     | 2483.500     | 71.13                    | -3.96                   | 67.17                      | 74.00           | -6.83      | peak     |         |
| 2   | *   | 2483.500     | 53.76                    | -3.96                   | 49.80                      | 54.00           | -4.20      | AVG      |         |
| 3   |     | 2490.950     | 61.10                    | -3.97                   | 57.13                      | 74.00           | -16.87     | peak     |         |
| 4   |     | 2490.950     | 43.86                    | -3.97                   | 39.89                      | 54.00           | -14.11     | AVG      |         |
| 5   |     | 2500.000     | 50.49                    | -4.00                   | 46.49                      | 74.00           | -27.51     | peak     |         |

|                                                 |                 |                     |                  |
|-------------------------------------------------|-----------------|---------------------|------------------|
| *:Maximum data    x:Over limit    !:over margin |                 |                     | (Reference Only) |
| Receiver:                                       | ESR_1           | Spectrum Analyzer:  | FSP40            |
| Antenna:                                        | EZ 9120D 1G-18G | Engineer Signature: |                  |

**Test Result: Pass**

[TestMode: TX g low channel channel]; [Polarity: Vertical]



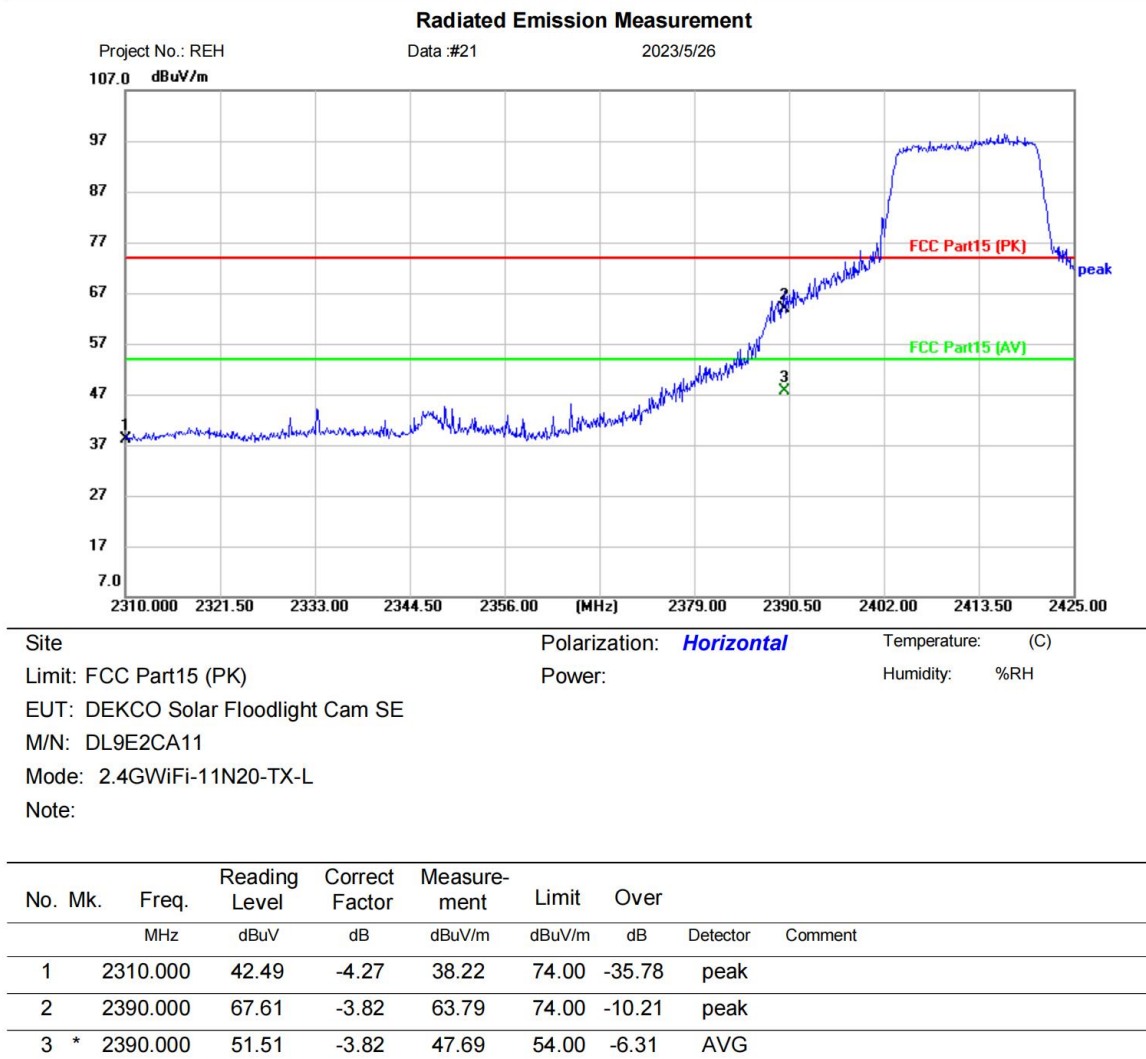
\*:Maximum data    x:Over limit    !:over margin      <Reference Only

Receiver: ESR\_1      Spectrum Analyzer: FSP40

Antenna: EZ 9120D 1G-18G      Engineer Signature:

**Test Result: Pass**

[TestMode: TX n20 low channel]; [Polarity: Horizontal]

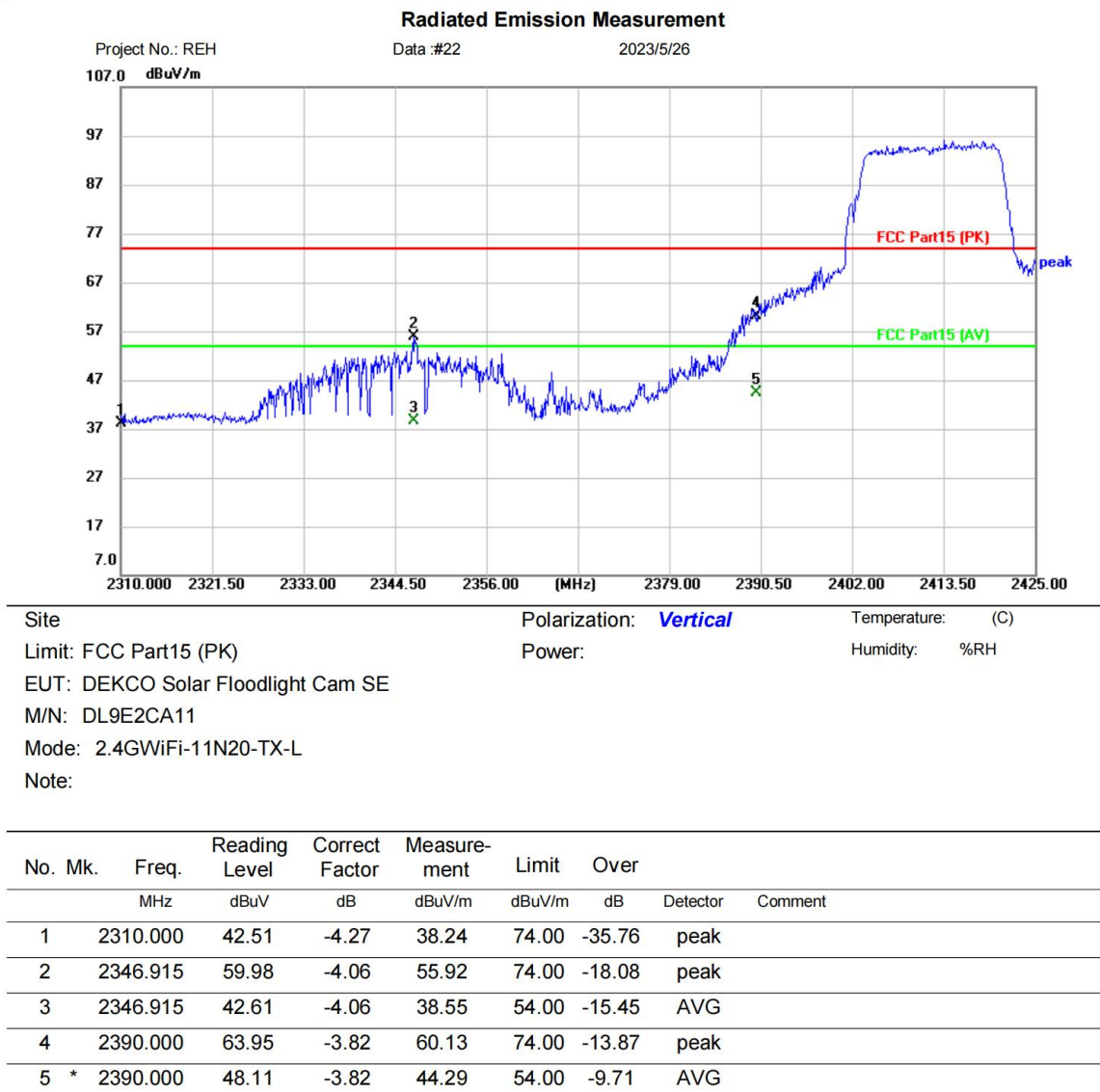


\*:Maximum data    x:Over limit    !:over margin      (Reference Only)

Receiver: ESR\_1      Spectrum Analyzer: FSP40  
Antenna: EZ 9120D 1G-18G      Engineer Signature:

**Test Result: Pass**

[TestMode: TX n20 low channel]; [Polarity: Vertical]

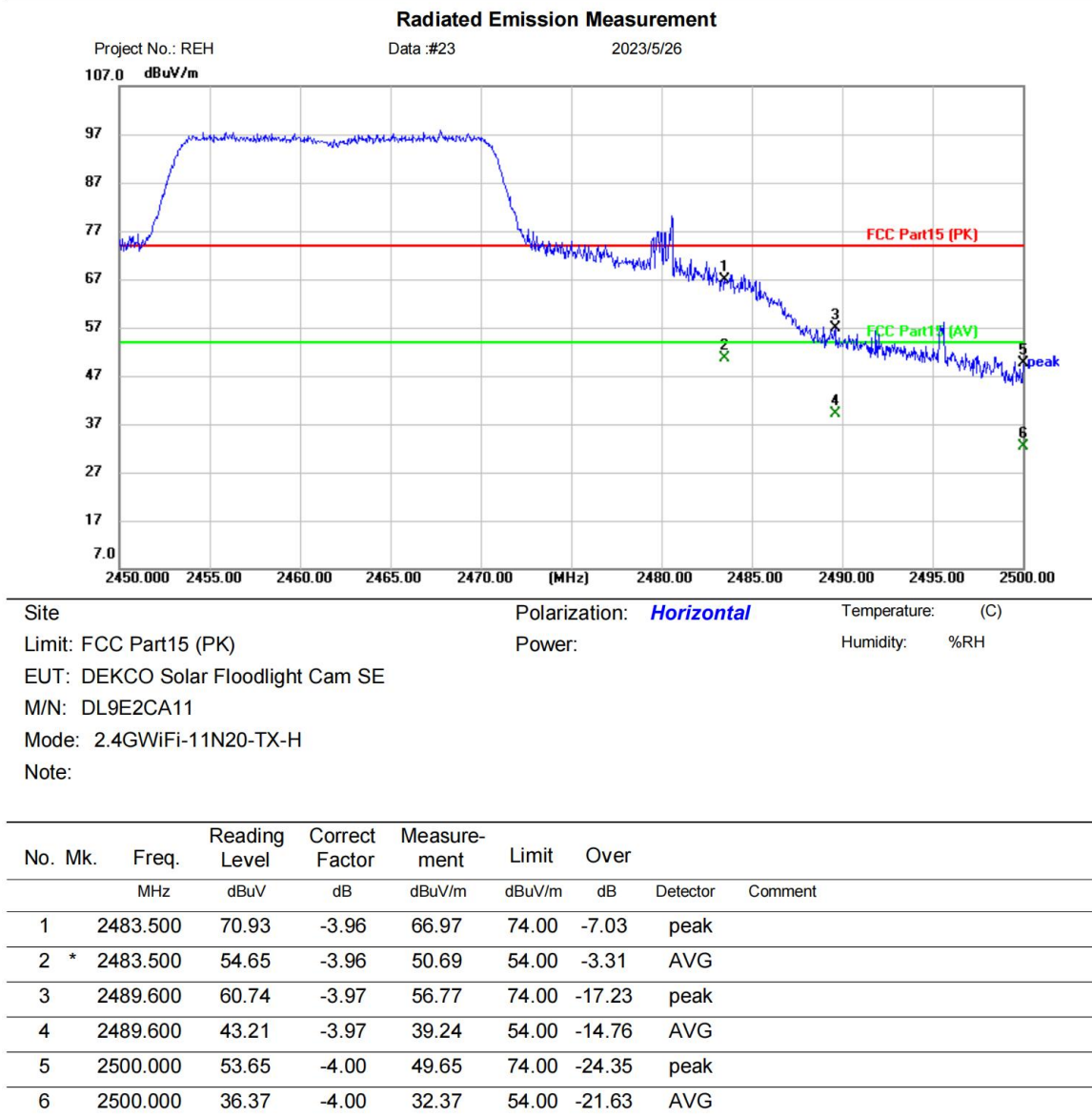


\*:Maximum data    x:Over limit    !:over margin      <Reference Only

Receiver: ESR\_1      Spectrum Analyzer: FSP40  
Antenna: EZ 9120D 1G-18G      Engineer Signature:

**Test Result: Pass**

[TestMode: TX n20 high channel]; [Polarity: Horizontal]

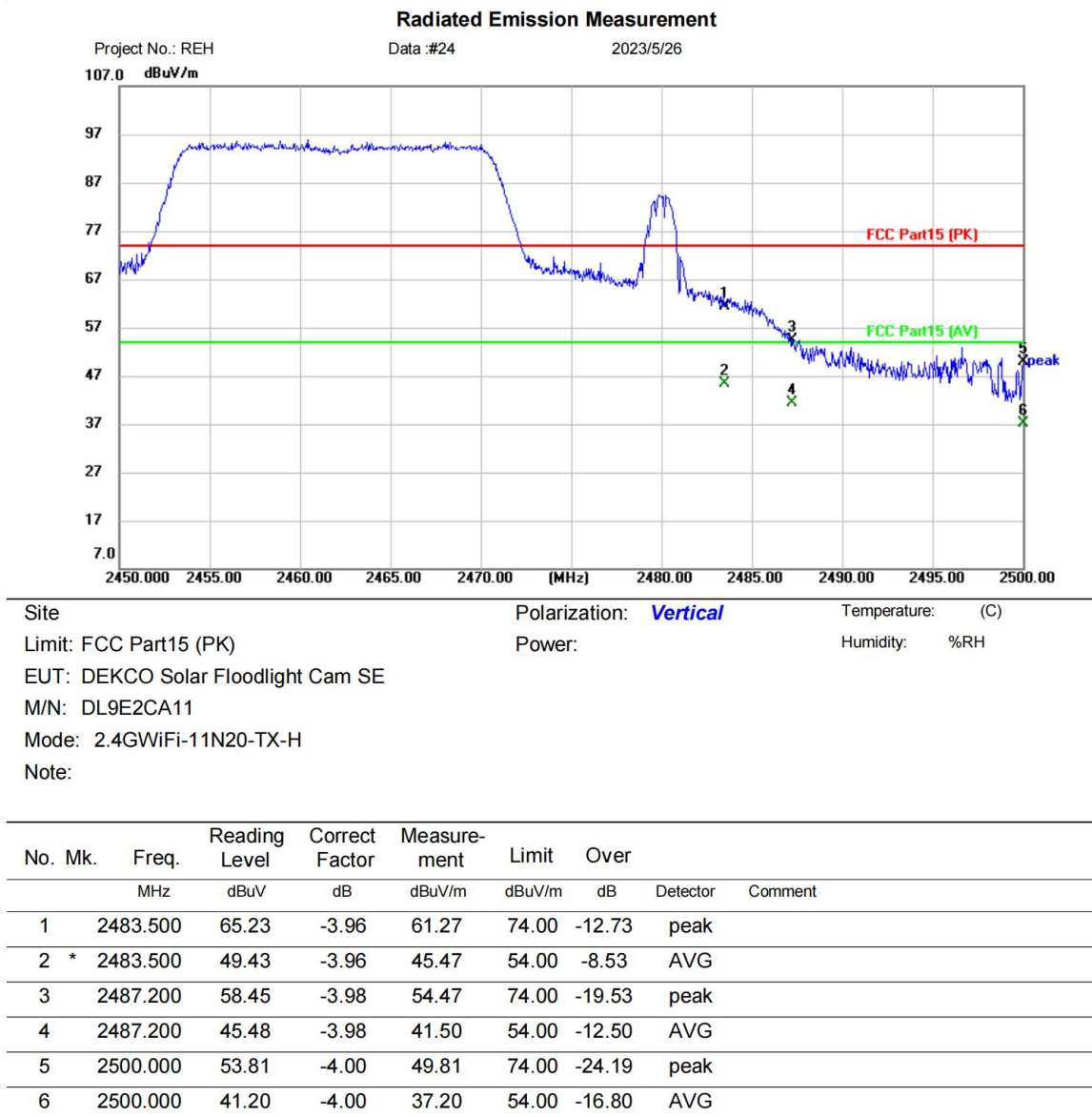


\*:Maximum data    x:Over limit    !:over margin      (Reference Only)

Receiver: ESR\_1      Spectrum Analyzer: FSP40  
Antenna: EZ 9120D 1G-18G      Engineer Signature:

**Test Result: Pass**

[TestMode: TX n20 high channel]; [Polarity: Vertical]



\*:Maximum data    x:Over limit    !:over margin      (Reference Only)

Receiver: ESR\_1      Spectrum Analyzer: FSP40  
Antenna: EZ 9120D 1G-18G      Engineer Signature:

**Test Result: Pass**

## Remark:

1. Final Level = Receiver Read level + Correct factor
2. Correct factor = Antenna Factor + Cable Loss – Preamplifier Factor
3. The emission levels of other frequencies are very lower than the limit and not show in test report.

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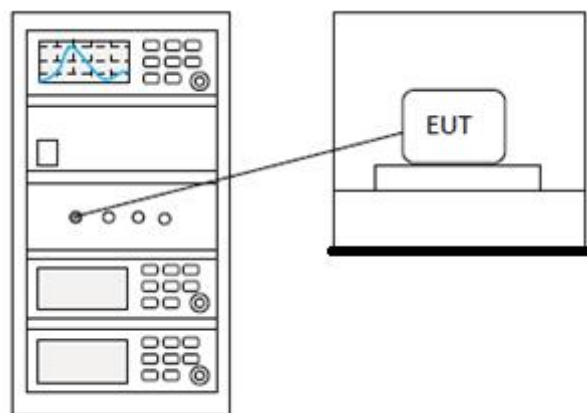
## 15 CONDUCTED SPURIOUS EMISSIONS

|                               |                                                  |
|-------------------------------|--------------------------------------------------|
| <b>Test Standard</b>          | 47 CFR Part 15, Subpart C 15.247                 |
| <b>Test Method</b>            | ANSI C63.10 (2013) Section 7.8.6 & Section 11.11 |
| <b>Test Mode (Pre-Scan)</b>   | TX                                               |
| <b>Test Mode (Final Test)</b> | TX                                               |
| <b>Tester</b>                 | Jozu                                             |
| <b>Temperature</b>            | 25°C                                             |
| <b>Humidity</b>               | 60%                                              |

### 15.1 LIMITS

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Limit:</b> | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 15.2 BLOCK DIAGRAM OF TEST SETUP



**15.3 TEST DATA****Pass: Please Refer To Appendix: Appendix1 For Details**

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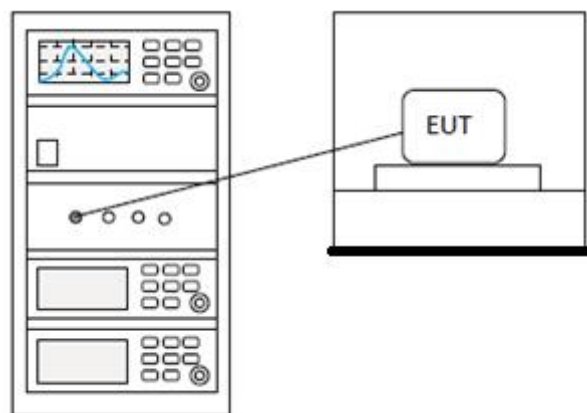
## 16 CONDUCTED BAND EDGES MEASUREMENT

|                               |                                                      |
|-------------------------------|------------------------------------------------------|
| <b>Test Standard</b>          | 47 CFR Part 15, Subpart C 15.247                     |
| <b>Test Method</b>            | ANSI C63.10 (2013) Section 7.8.8 & Section 11.13.3.2 |
| <b>Test Mode (Pre-Scan)</b>   | TX                                                   |
| <b>Test Mode (Final Test)</b> | TX                                                   |
| <b>Tester</b>                 | Jozu                                                 |
| <b>Temperature</b>            | 25°C                                                 |
| <b>Humidity</b>               | 60%                                                  |

### 16.1 LIMITS

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Limit:</b> | In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)). |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 16.2 BLOCK DIAGRAM OF TEST SETUP



**16.3 TEST DATA**

**Pass: Please Refer To Appendix: Appendix1 For Details**

BlueAsia

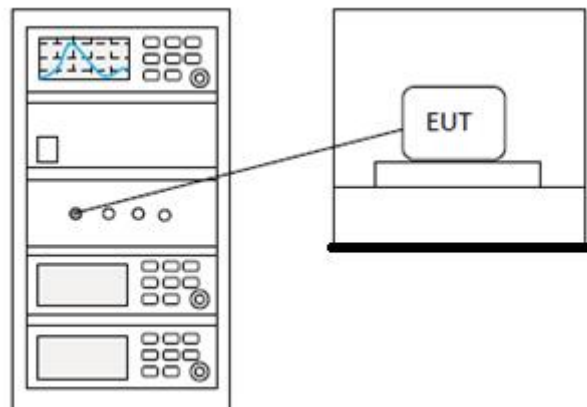
## 17 MINIMUM 6DB BANDWIDTH

|                        |                                   |
|------------------------|-----------------------------------|
| Test Standard          | 47 CFR Part 15, Subpart C 15.247  |
| Test Method            | ANSI C63.10 (2013) Section 11.8.1 |
| Test Mode (Pre-Scan)   | TX                                |
| Test Mode (Final Test) | TX                                |
| Tester                 | Jozu                              |
| Temperature            | 25℃                               |
| Humidity               | 60%                               |

### 17.1 LIMITS

|        |                |
|--------|----------------|
| Limit: | $\geq 500$ kHz |
|--------|----------------|

### 17.2 BLOCK DIAGRAM OF TEST SETUP



### 17.3 TEST DATA

**Pass: Please Refer To Appendix: Appendix1 For Details**

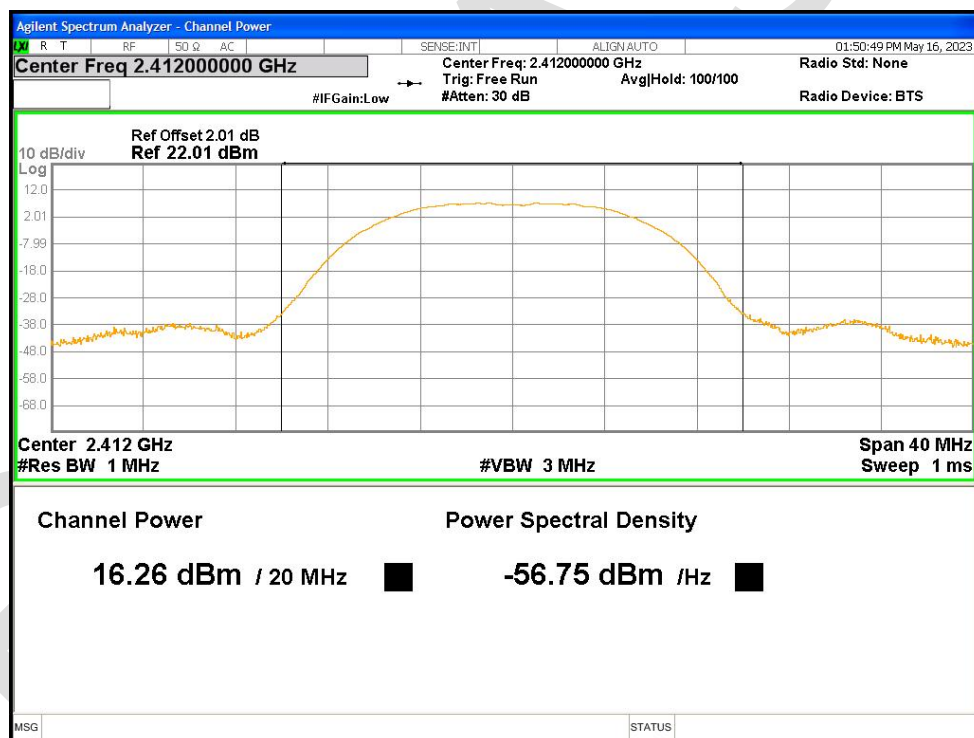
## 18 APPENDIX

### Appendix1

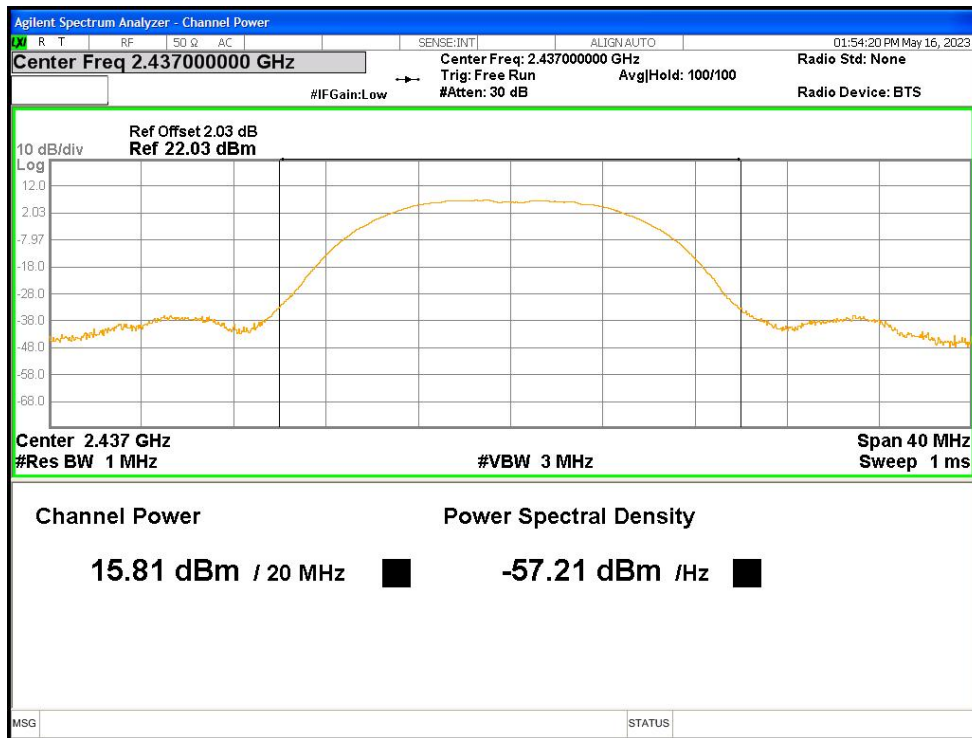
#### Maximum Conducted Output Power

| Condition | Mode | Frequency (MHz) | Antenna | Conducted Power (dBm) | Limit (dBm) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-------------|---------|
| NVNT      | b    | 2412            | Ant1    | 16.261                | 30          | Pass    |
| NVNT      | b    | 2437            | Ant1    | 15.805                | 30          | Pass    |
| NVNT      | b    | 2462            | Ant1    | 15.418                | 30          | Pass    |
| NVNT      | g    | 2412            | Ant1    | 21.118                | 30          | Pass    |
| NVNT      | g    | 2437            | Ant1    | 20.411                | 30          | Pass    |
| NVNT      | g    | 2462            | Ant1    | 20.099                | 30          | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 19.39                 | 30          | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 18.96                 | 30          | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 18.645                | 30          | Pass    |

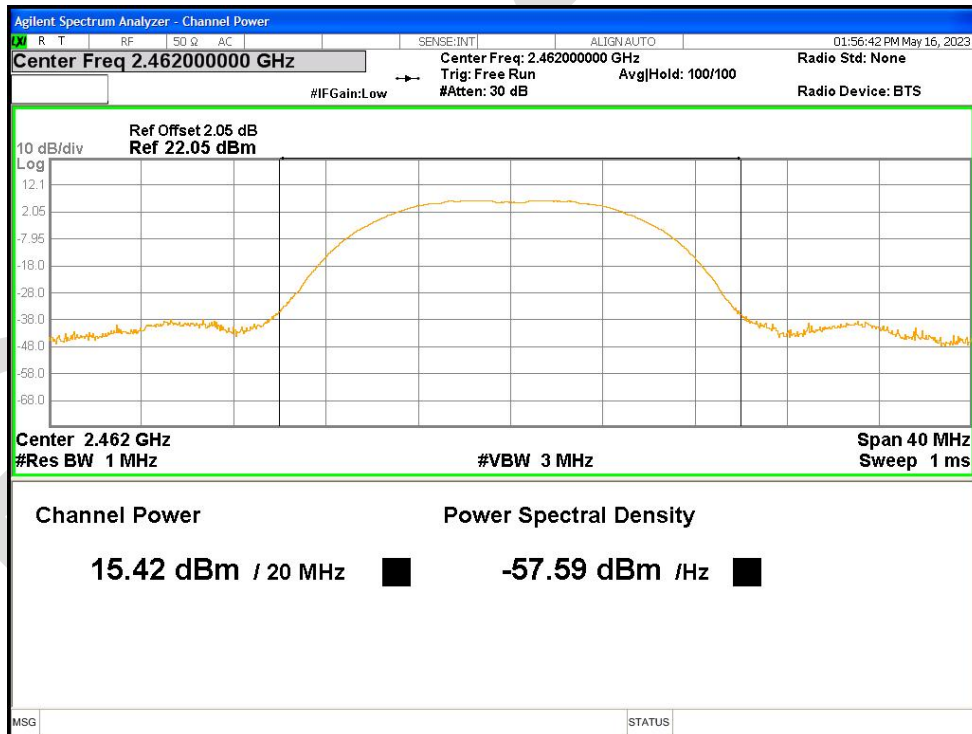
Power NVNT b 2412MHz Ant1



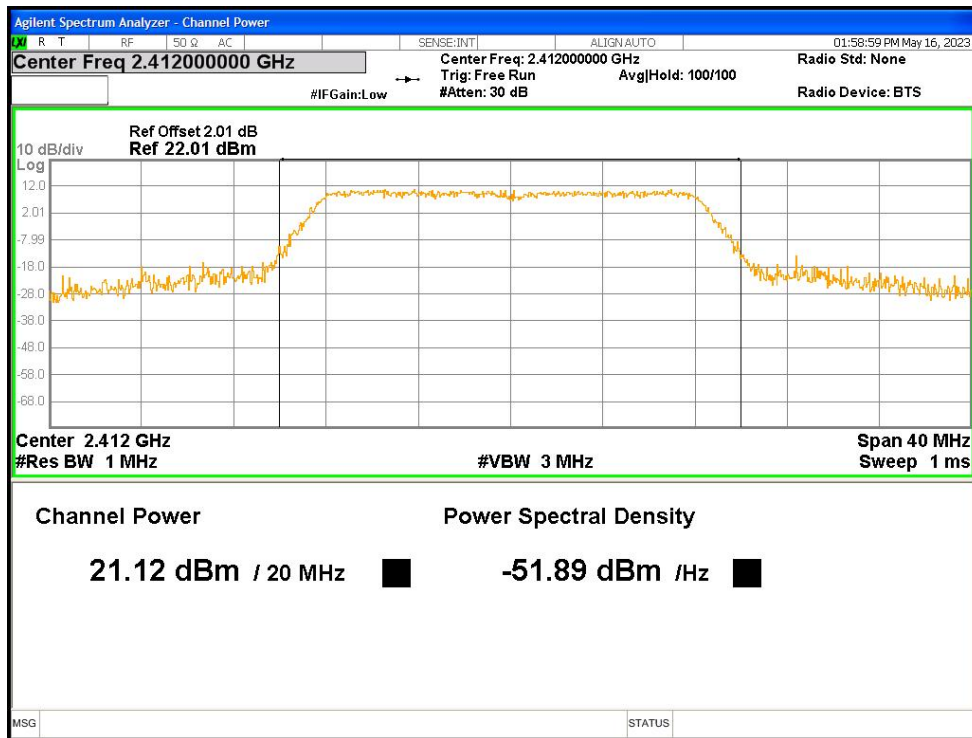
Power NVNT b 2437MHz Ant1



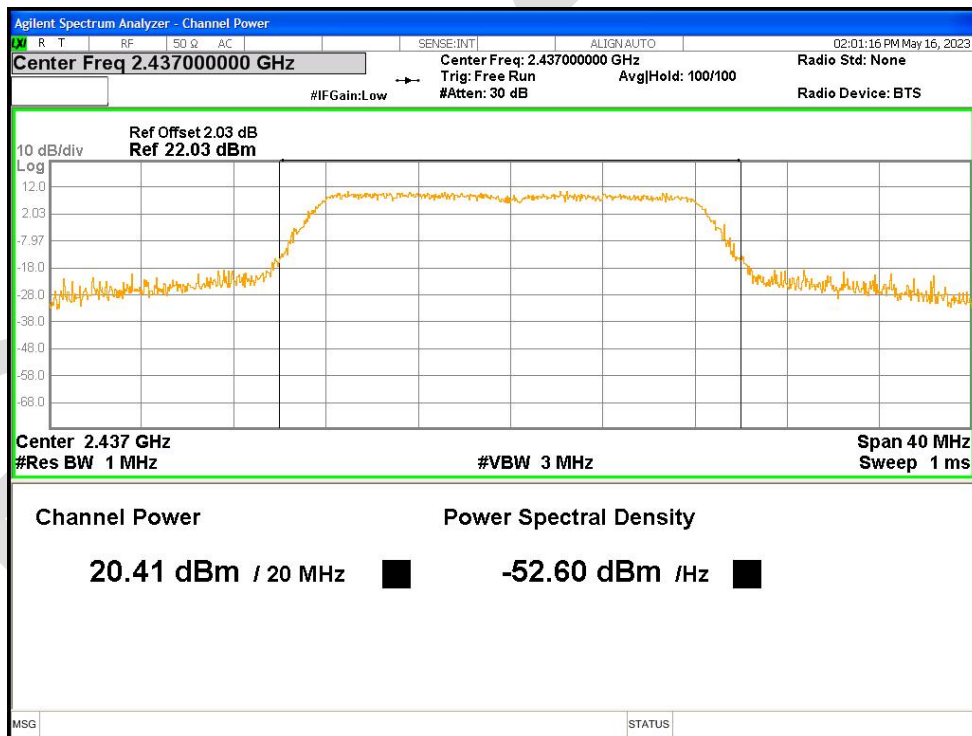
Power NVNT b 2462MHz Ant1



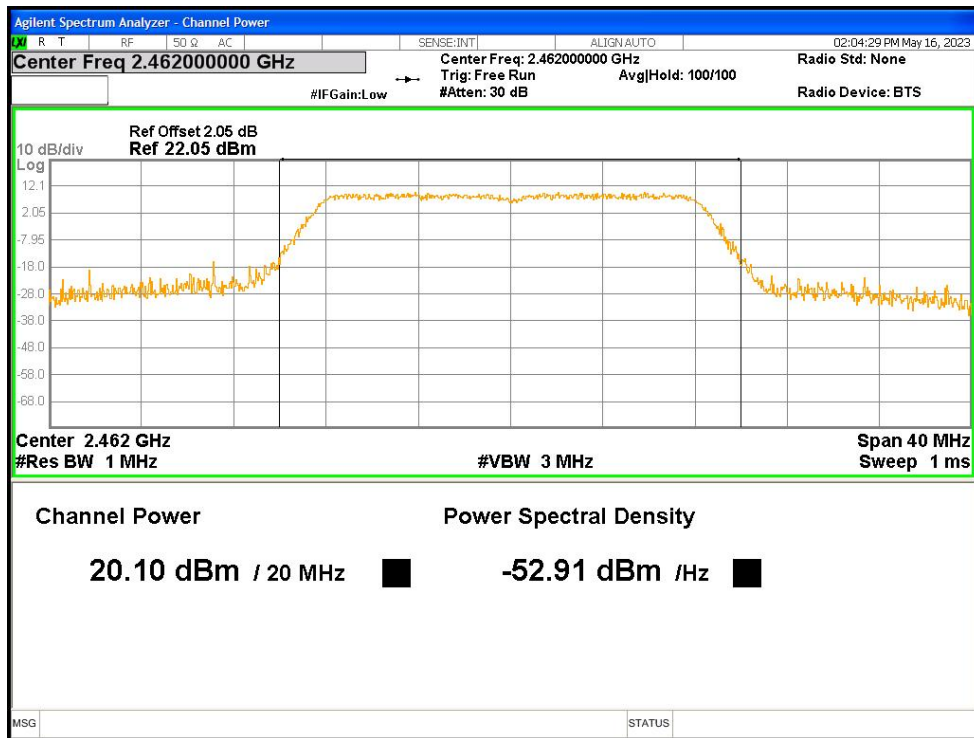
Power NVNT g 2412MHz Ant1



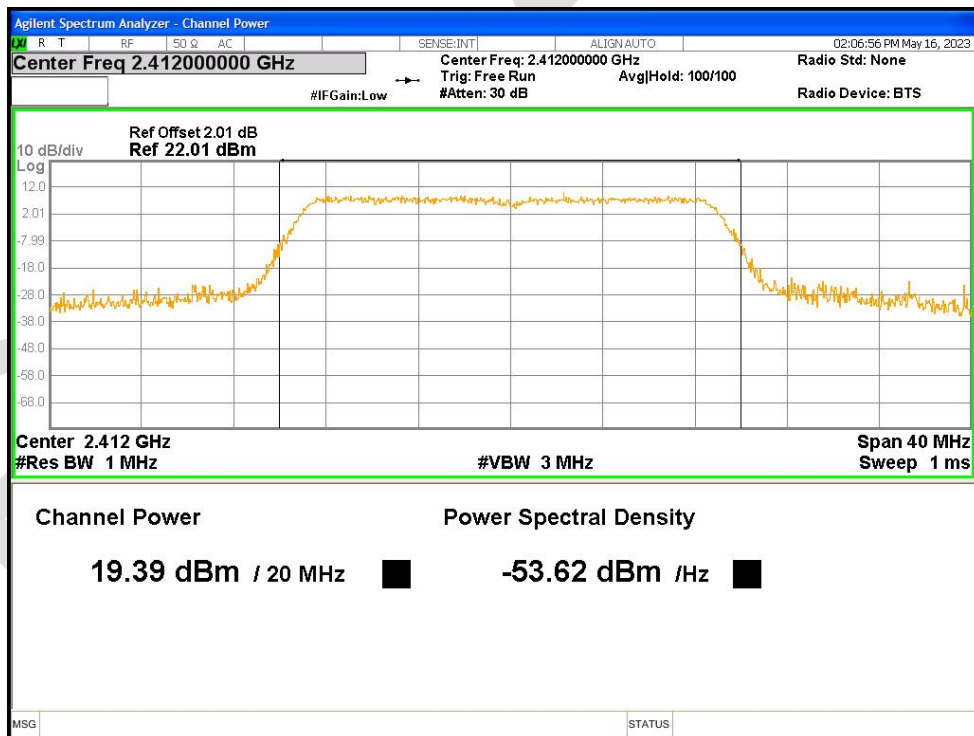
Power NVNT g 2437MHz Ant1



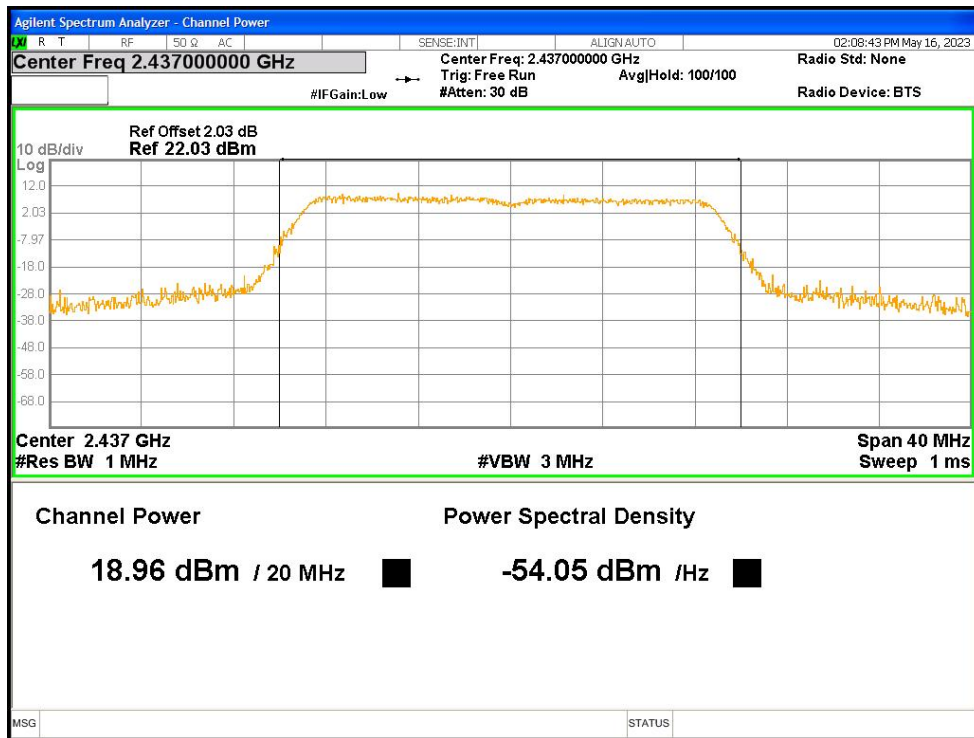
Power NVNT g 2462MHz Ant1



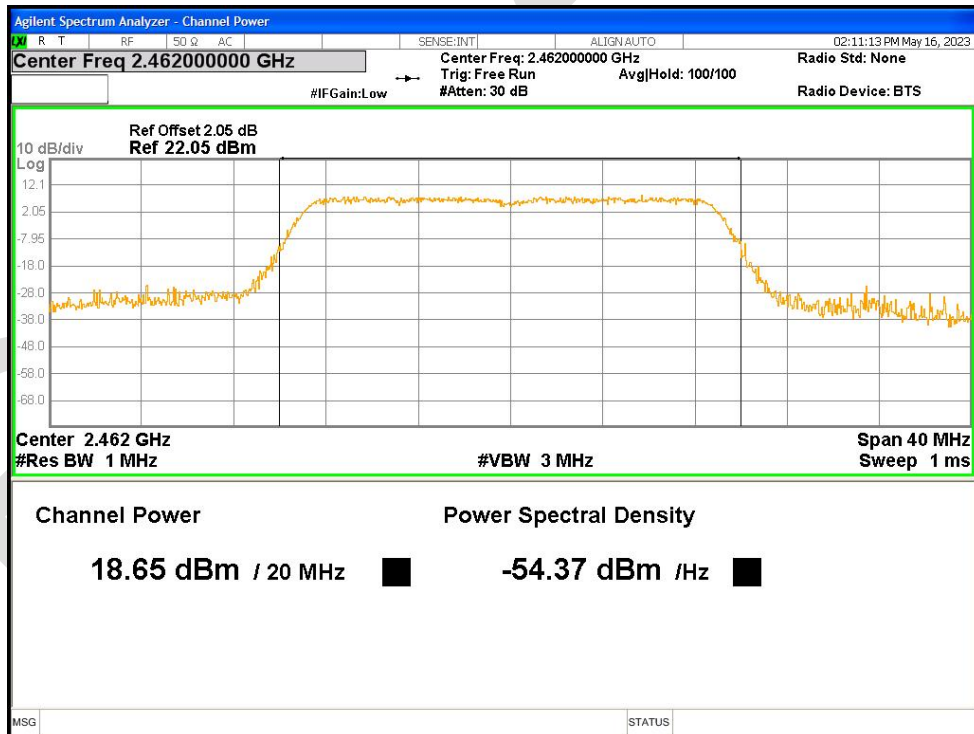
Power NVNT n20 2412MHz Ant1



Power NVNT n20 2437MHz Ant1



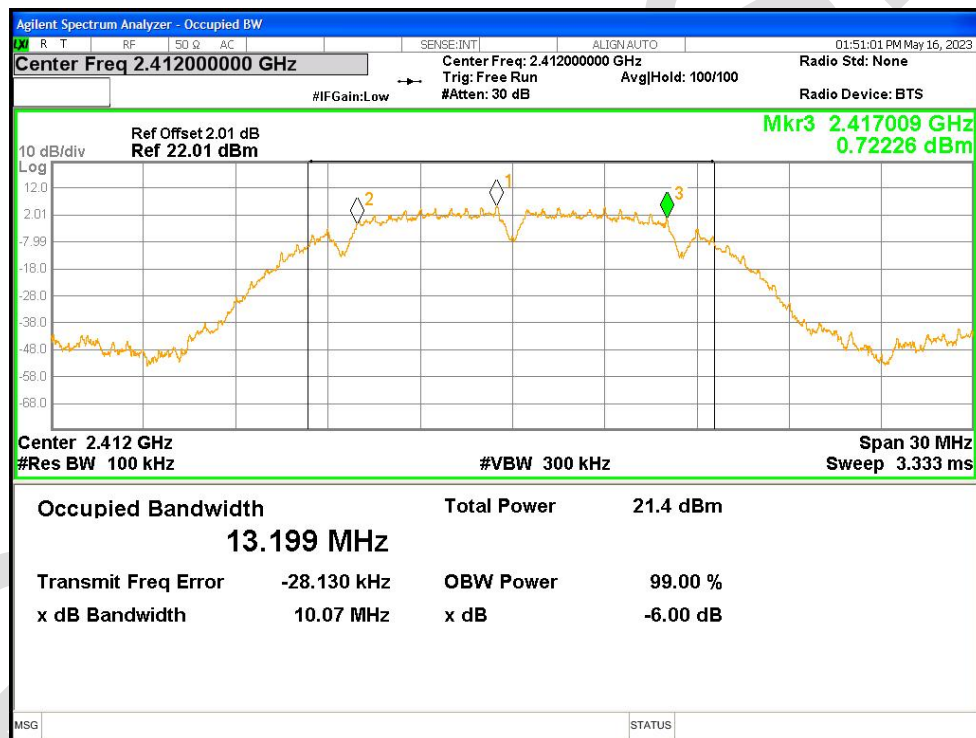
Power NVNT n20 2462MHz Ant1



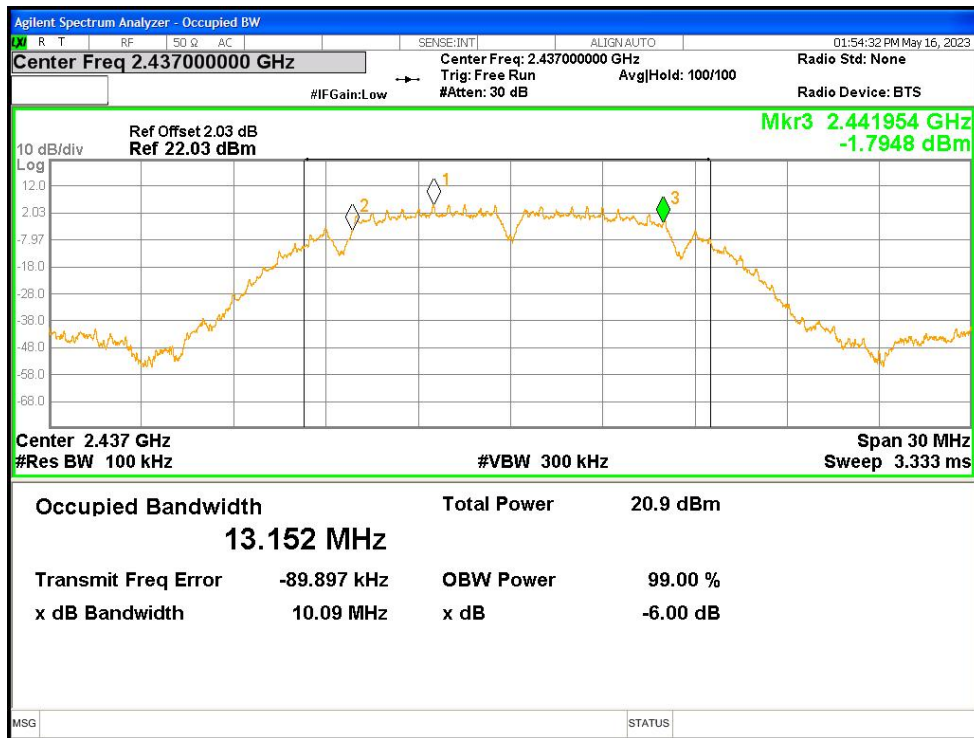
### -6dB Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | -6 dB Bandwidth (MHz) | Limit -6 dB Bandwidth (MHz) | Verdict |
|-----------|------|-----------------|---------|-----------------------|-----------------------------|---------|
| NVNT      | b    | 2412            | Ant1    | 10.074                | 0.5                         | Pass    |
| NVNT      | b    | 2437            | Ant1    | 10.089                | 0.5                         | Pass    |
| NVNT      | b    | 2462            | Ant1    | 10.035                | 0.5                         | Pass    |
| NVNT      | g    | 2412            | Ant1    | 16.348                | 0.5                         | Pass    |
| NVNT      | g    | 2437            | Ant1    | 16.455                | 0.5                         | Pass    |
| NVNT      | g    | 2462            | Ant1    | 16.361                | 0.5                         | Pass    |
| NVNT      | n20  | 2412            | Ant1    | 17.584                | 0.5                         | Pass    |
| NVNT      | n20  | 2437            | Ant1    | 17.596                | 0.5                         | Pass    |
| NVNT      | n20  | 2462            | Ant1    | 17.607                | 0.5                         | Pass    |

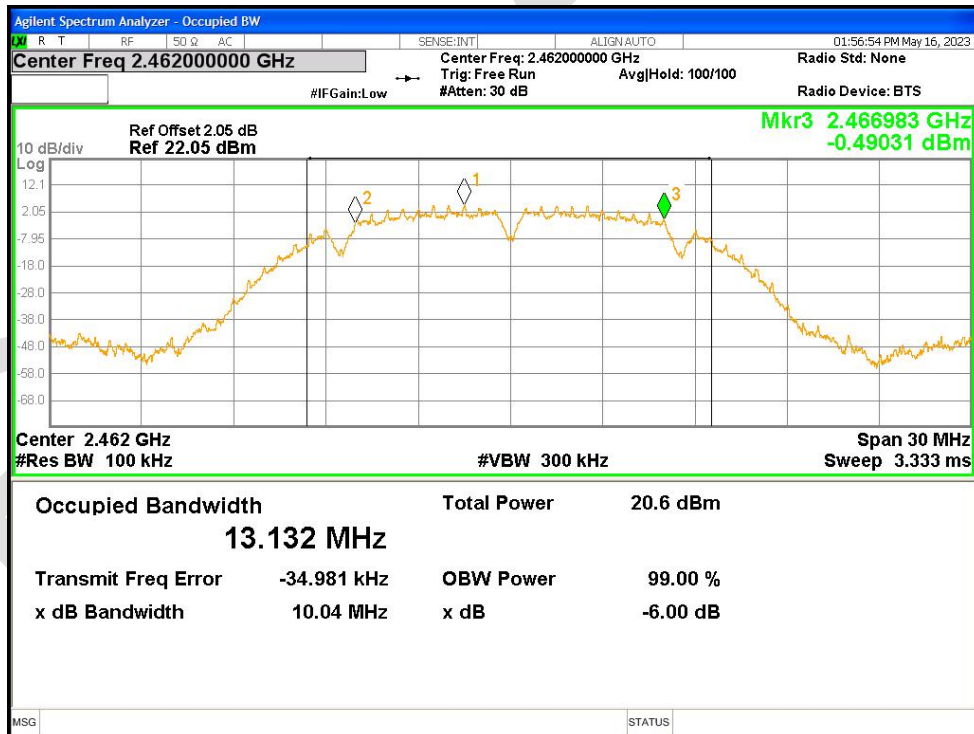
### -6dB Bandwidth NVNT b 2412MHz Ant1



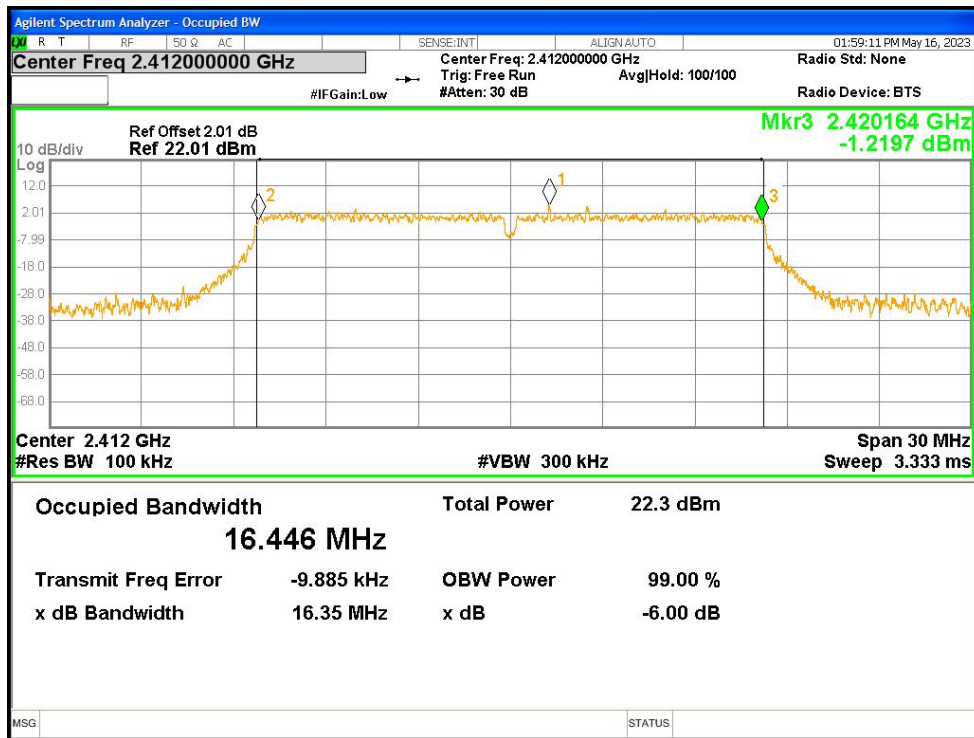
### -6dB Bandwidth NVNT b 2437MHz Ant1



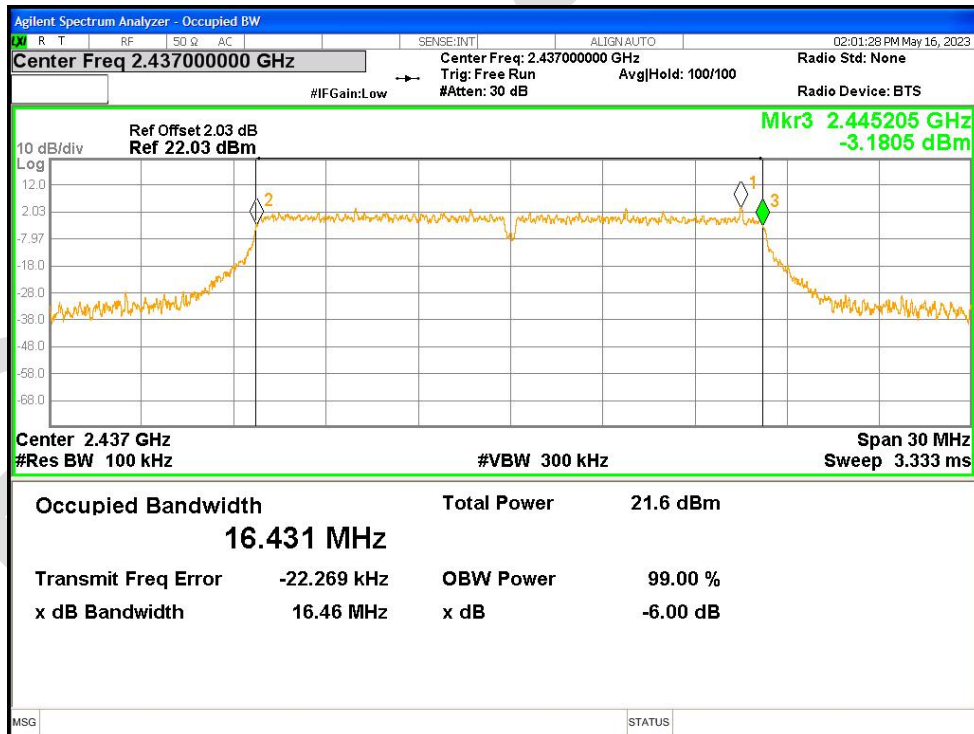
-6dB Bandwidth NVNT b 2462MHz Ant1



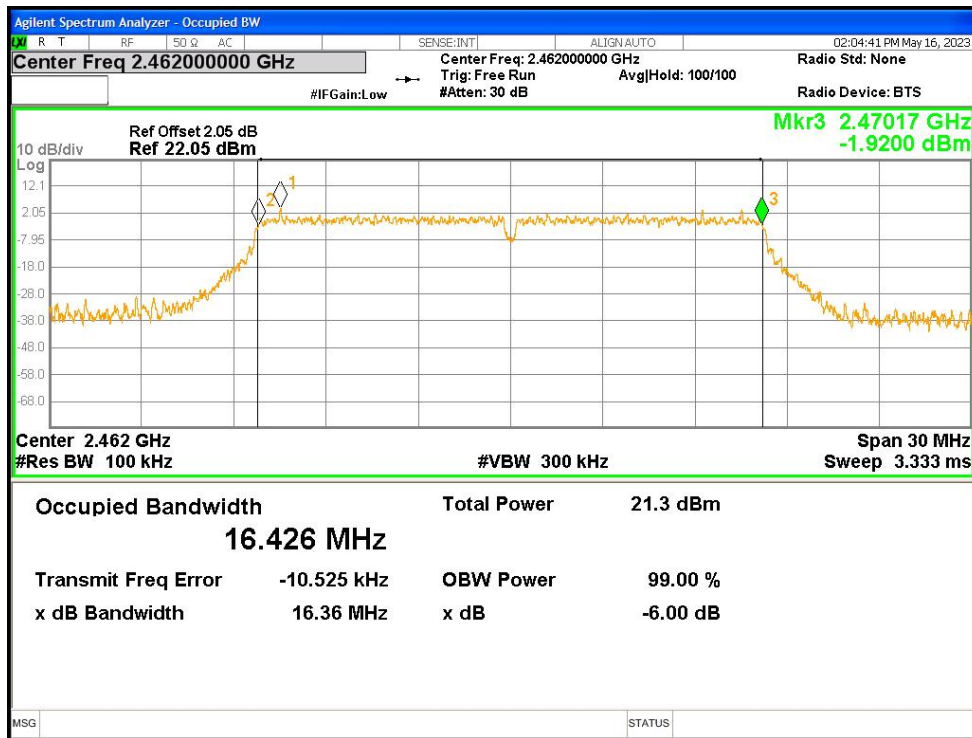
-6dB Bandwidth NVNT g 2412MHz Ant1



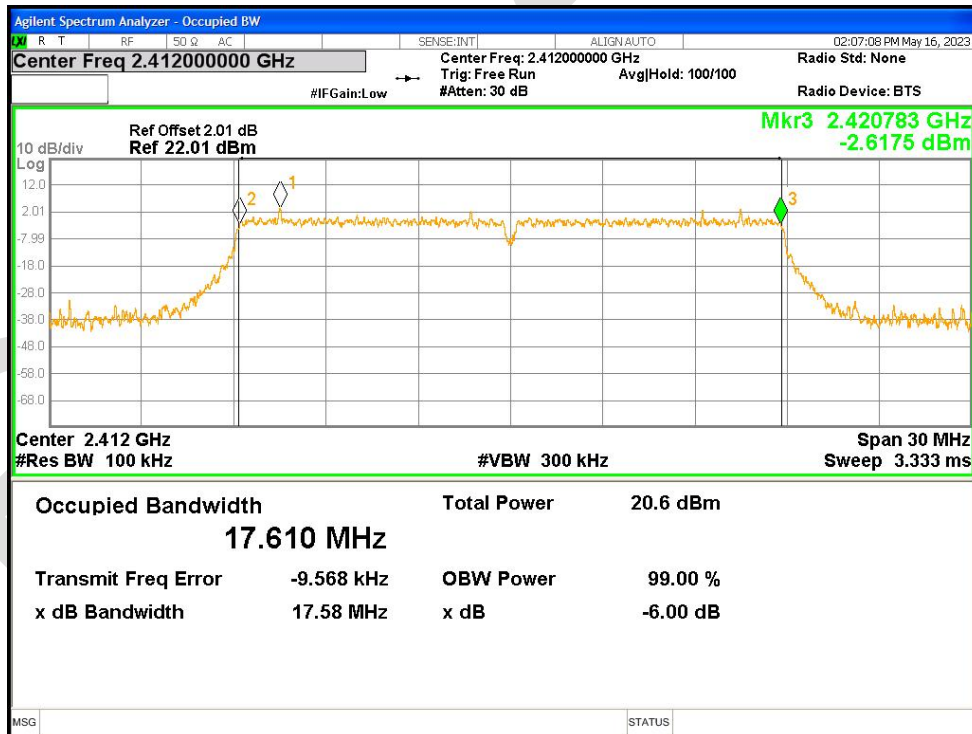
-6dB Bandwidth NVNT g 2437MHz Ant1



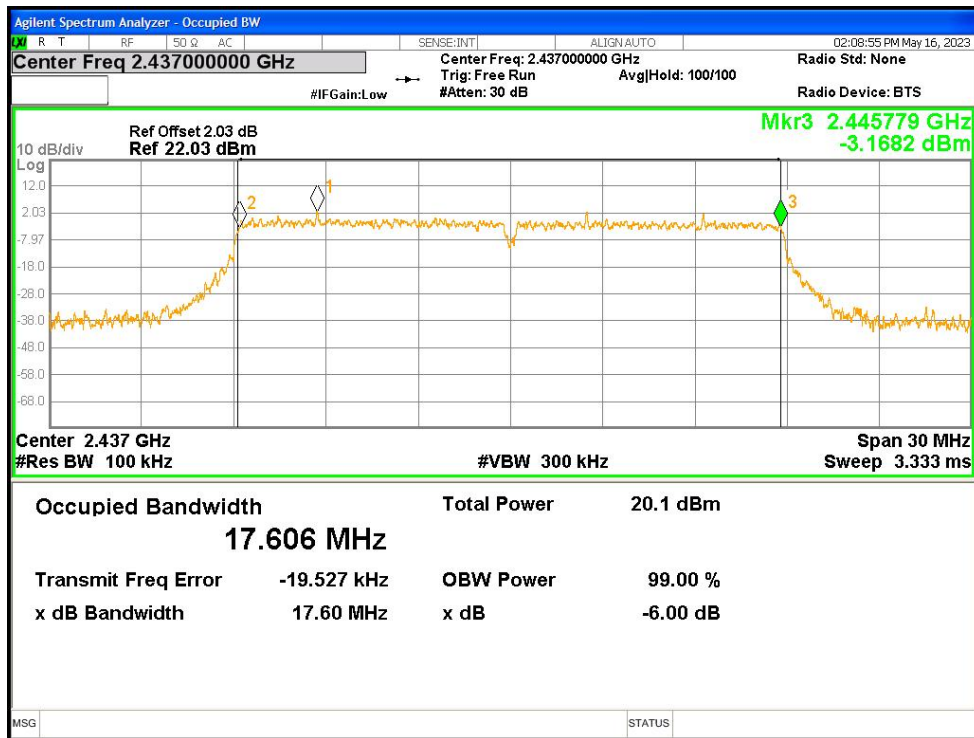
-6dB Bandwidth NVNT g 2462MHz Ant1



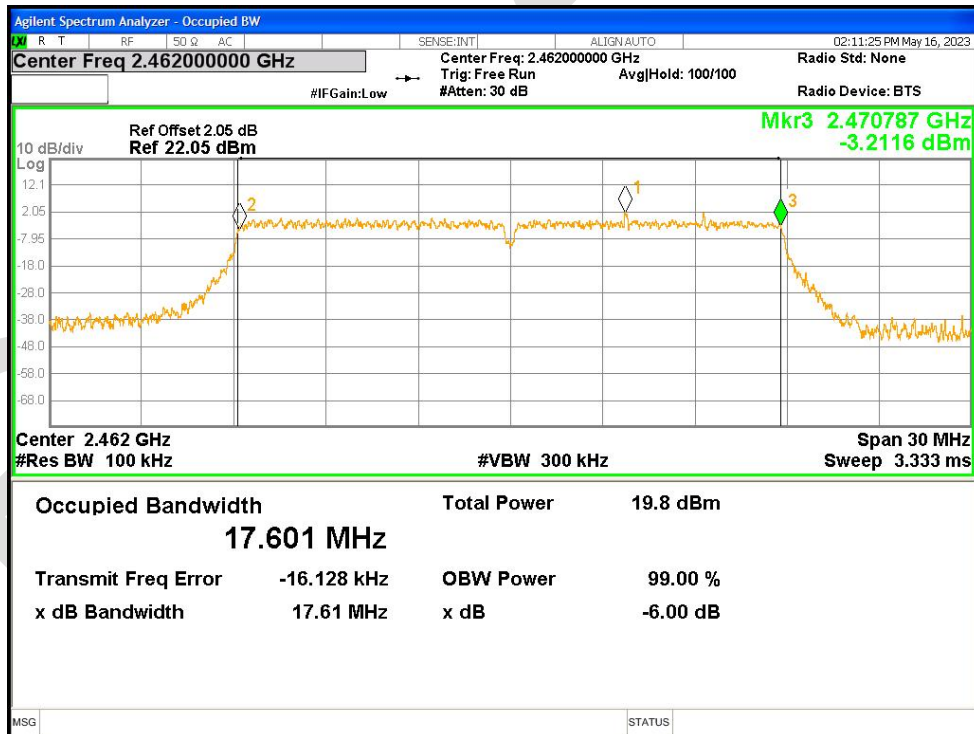
-6dB Bandwidth NVNT n20 2412MHz Ant1



-6dB Bandwidth NVNT n20 2437MHz Ant1



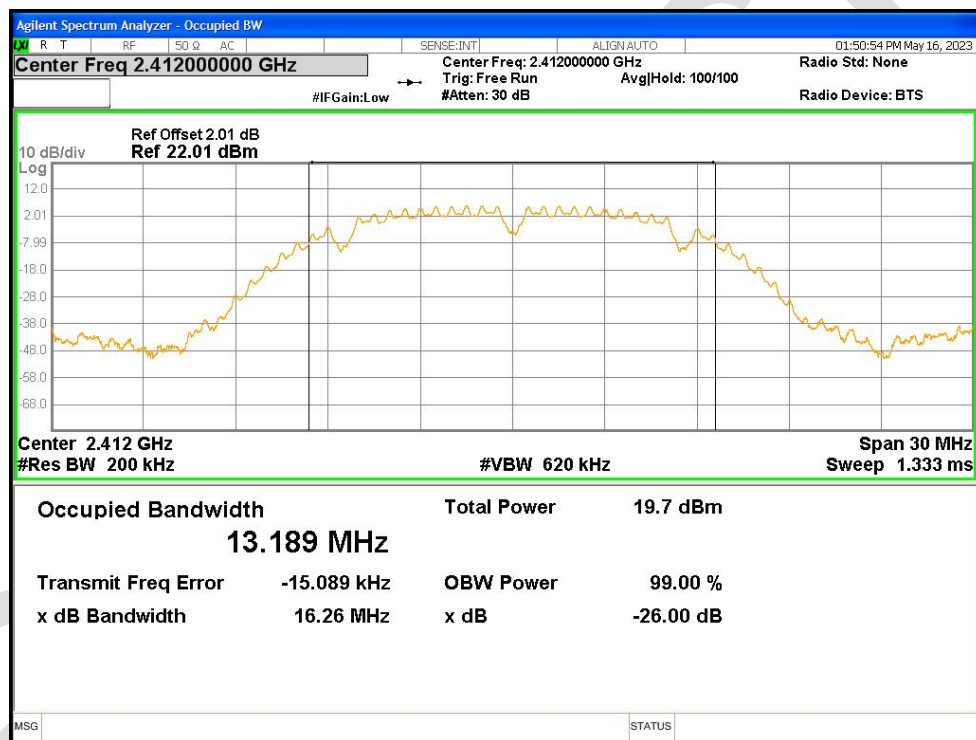
-6dB Bandwidth NVNT n20 2462MHz Ant1



### Occupied Channel Bandwidth

| Condition | Mode | Frequency (MHz) | Antenna | 99% OBW (MHz) |
|-----------|------|-----------------|---------|---------------|
| NVNT      | b    | 2412            | Ant1    | 13.189        |
| NVNT      | b    | 2437            | Ant1    | 13.201        |
| NVNT      | b    | 2462            | Ant1    | 13.143        |
| NVNT      | g    | 2412            | Ant1    | 16.506        |
| NVNT      | g    | 2437            | Ant1    | 16.524        |
| NVNT      | g    | 2462            | Ant1    | 16.475        |
| NVNT      | n20  | 2412            | Ant1    | 17.634        |
| NVNT      | n20  | 2437            | Ant1    | 17.624        |
| NVNT      | n20  | 2462            | Ant1    | 17.616        |

### OBW NVNT b 2412MHz Ant1



### OBW NVNT b 2437MHz Ant1