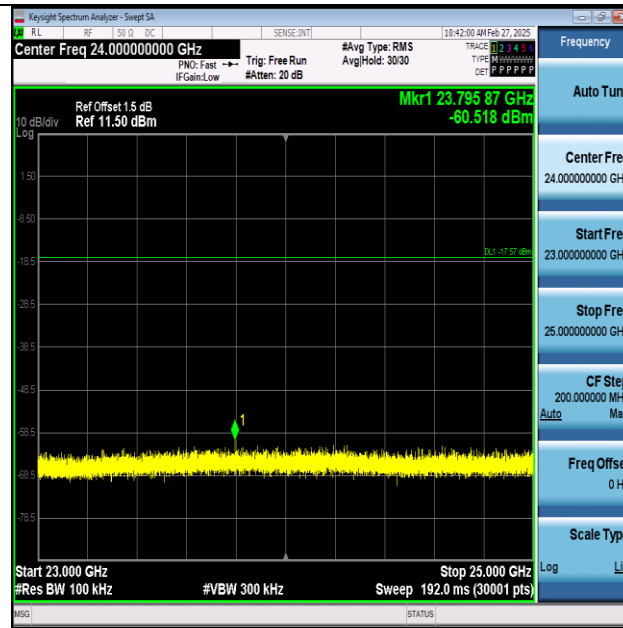
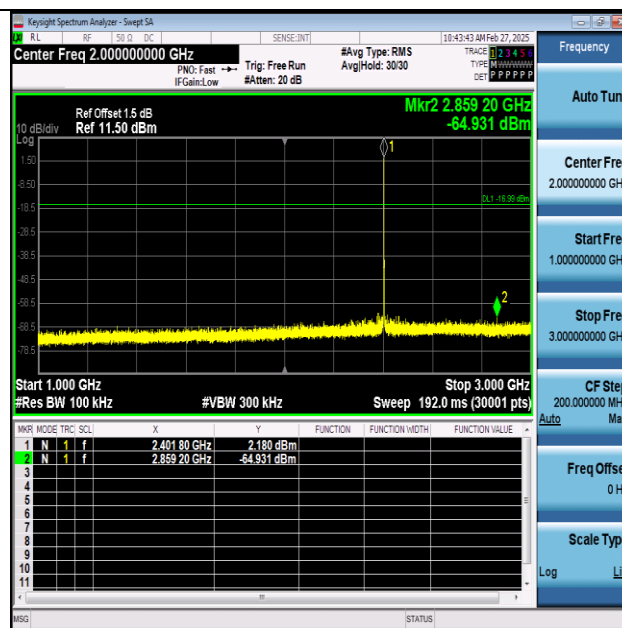




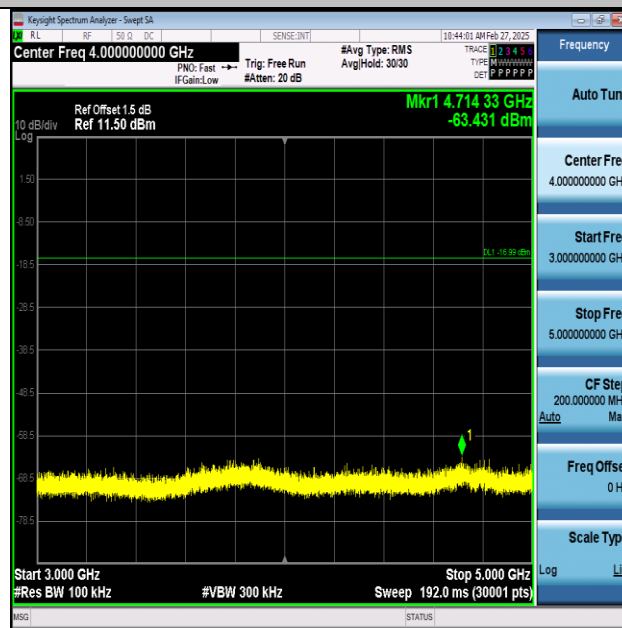
BLE\_125K-Ant1-2480-23000~25000-PASS



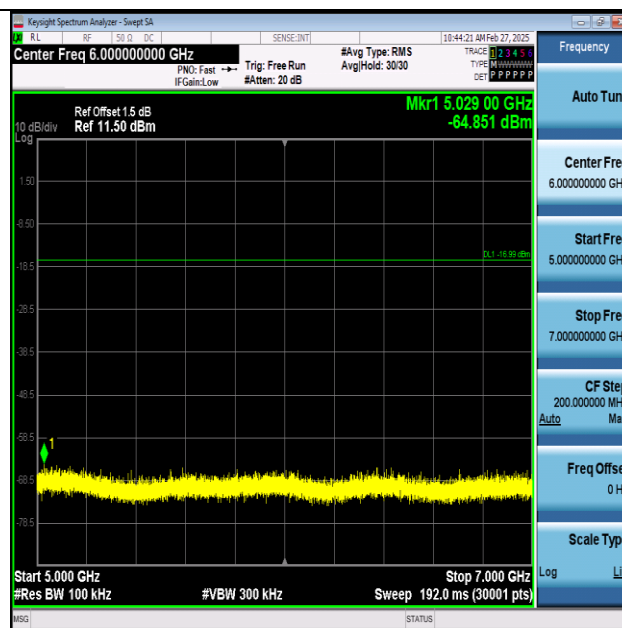
BLE\_500K-Ant1-2402-30~1000-PASS



BLE\_500K-Ant1-2402-1000~3000-PASS



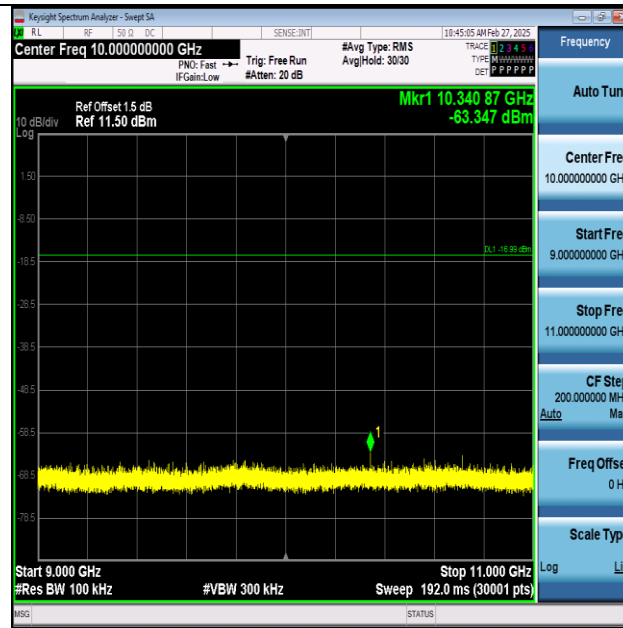
BLE\_500K-Ant1-2402-3000~5000-PASS



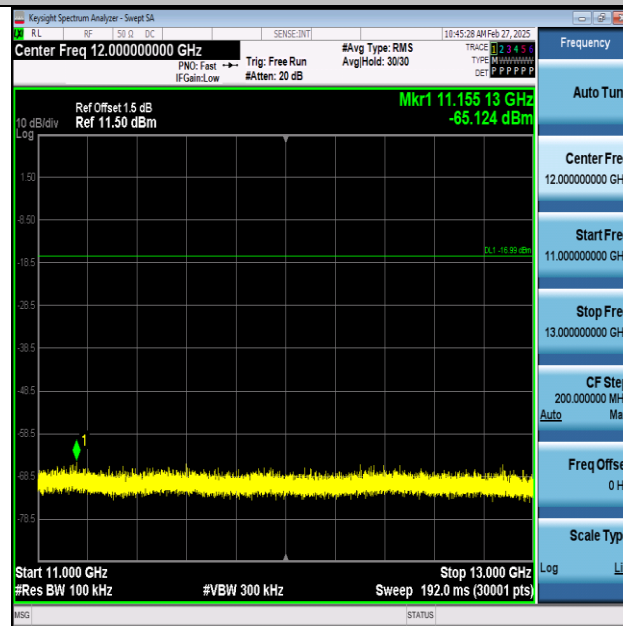
BLE\_500K-Ant1-2402-5000~7000-PASS



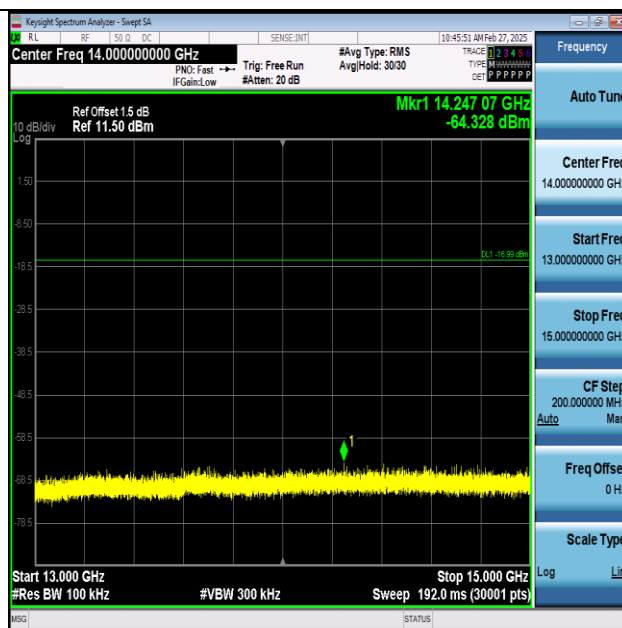
BLE\_500K-Ant1-2402-7000~9000-PASS



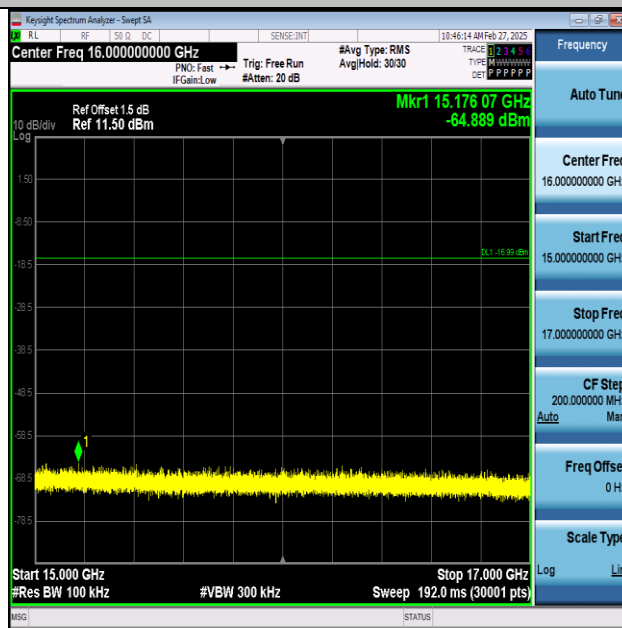
BLE\_500K-Ant1-2402-9000~11000-PASS



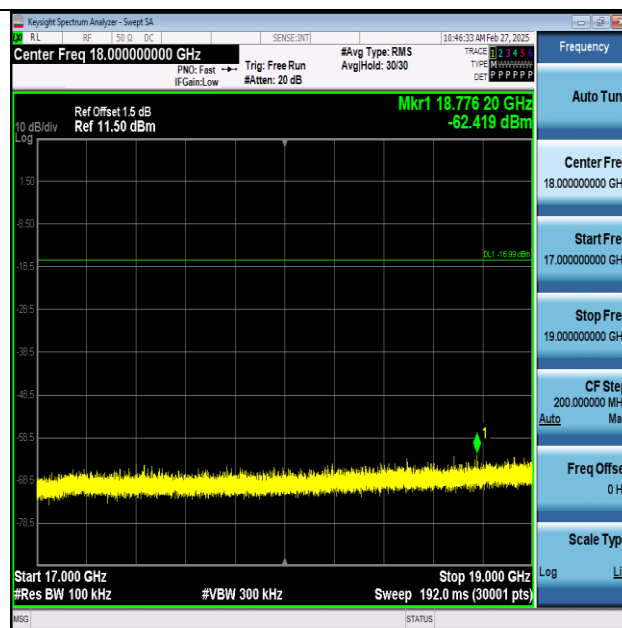
BLE\_500K-Ant1-2402-11000~13000-PASS



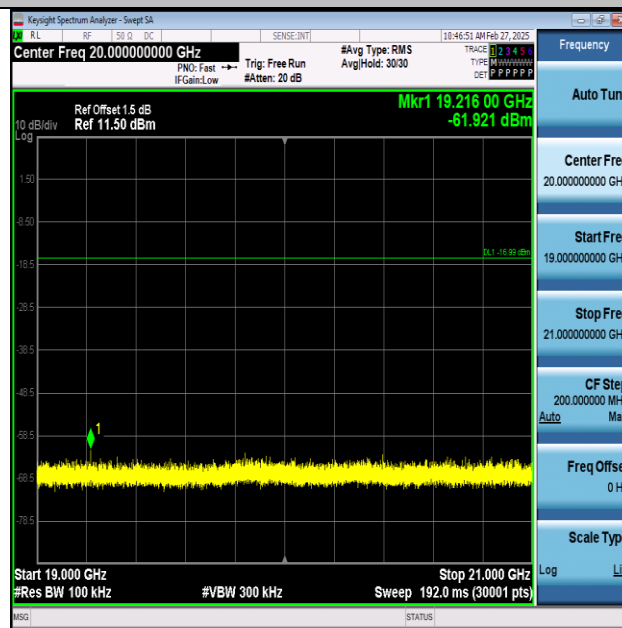
BLE\_500K-Ant1-2402-13000~15000-PASS



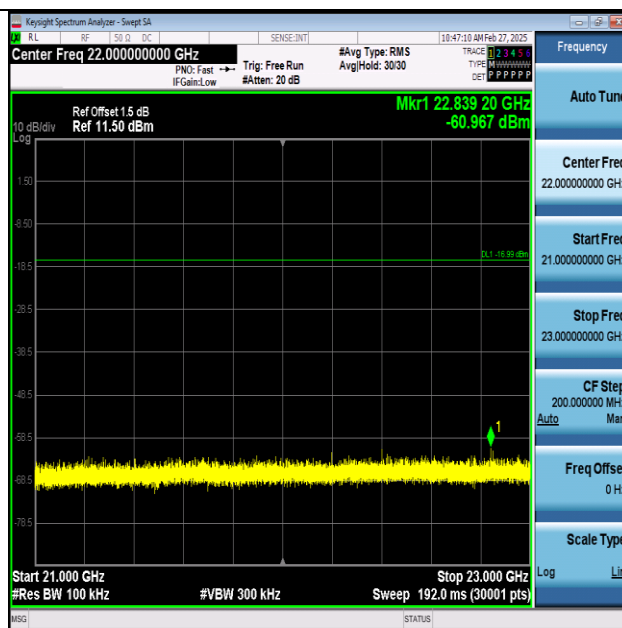
BLE\_500K-Ant1-2402-15000~17000-PASS



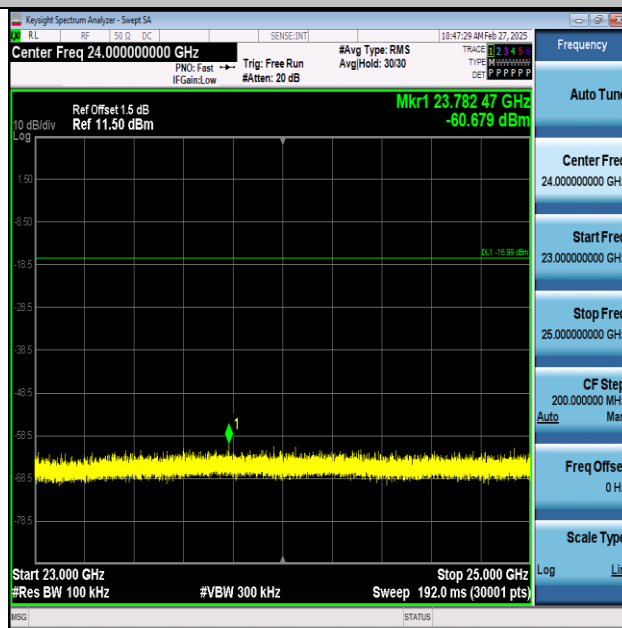
BLE\_500K-Ant1-2402-17000~19000-PASS



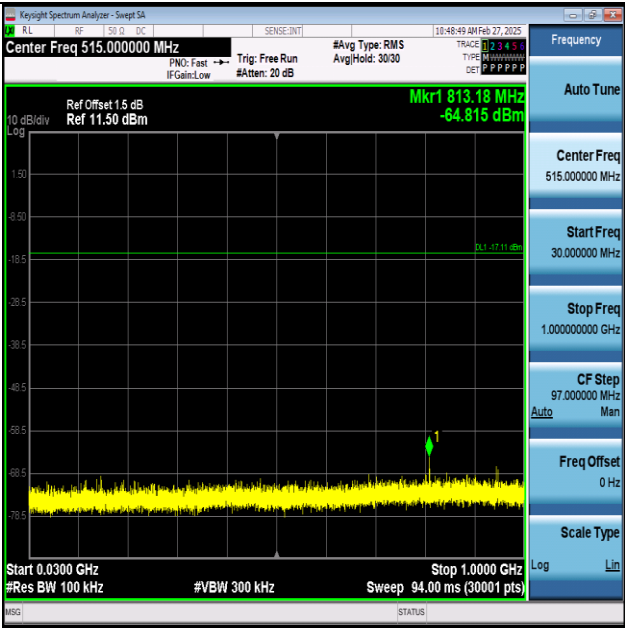
BLE\_500K-Ant1-2402-19000~21000-PASS



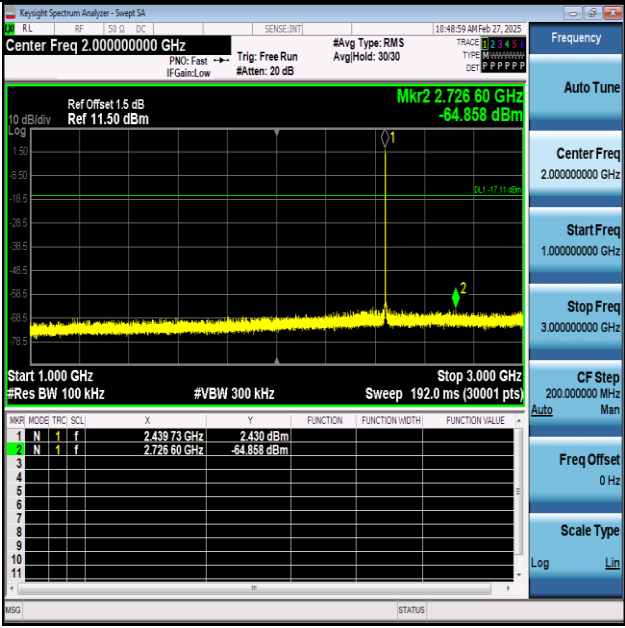
BLE\_500K-Ant1-2402-21000~23000-PASS



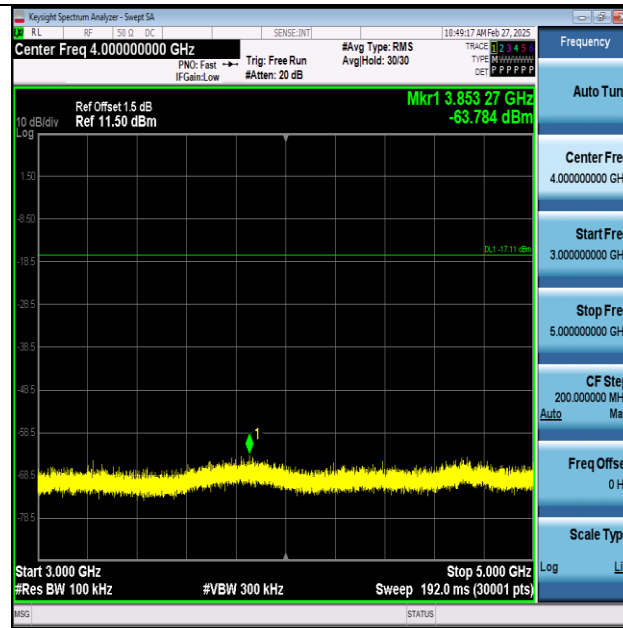
BLE\_500K-Ant1-2402-23000~25000-PASS



BLE\_500K-Ant1-2440-30~1000-PASS



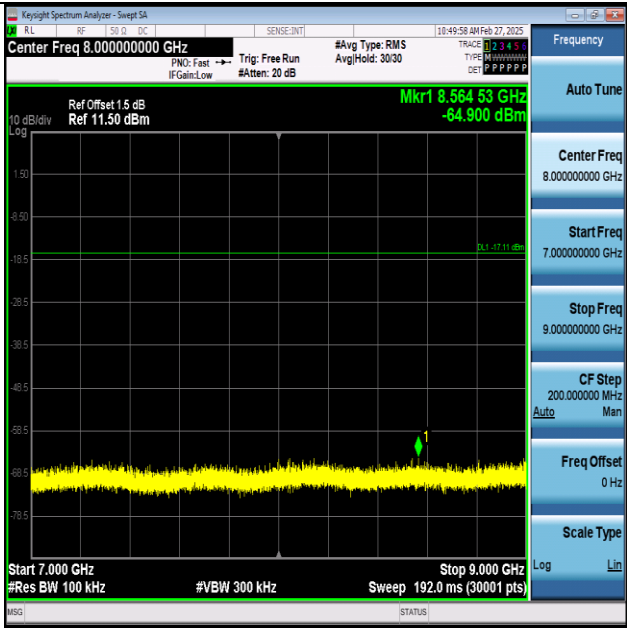
BLE\_500K-Ant1-2440-1000~3000-PASS



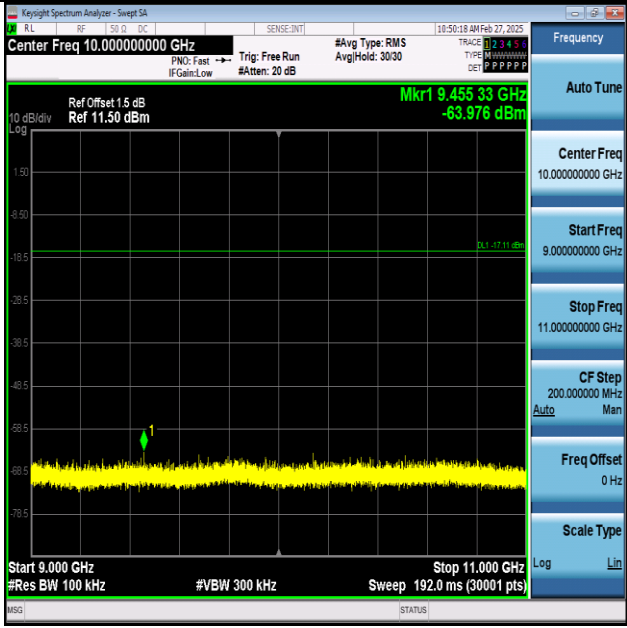
BLE\_500K-Ant1-2440-3000~5000-PASS



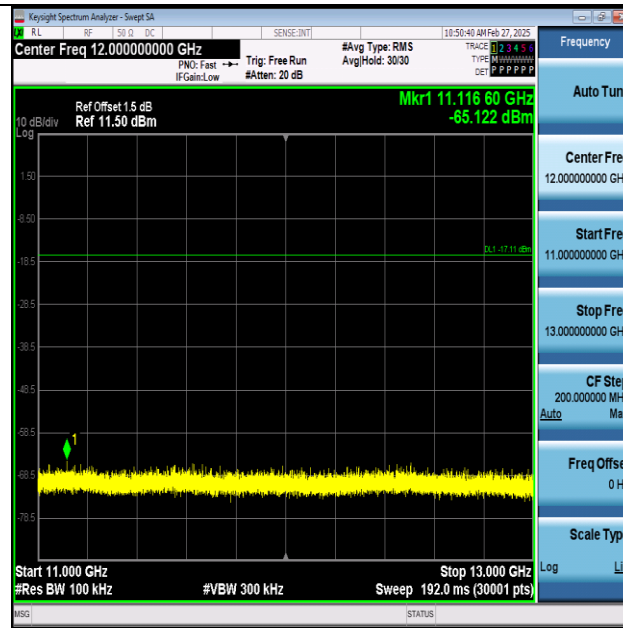
BLE\_500K-Ant1-2440-5000~7000-PASS



BLE\_500K-Ant1-2440-7000~9000-PASS



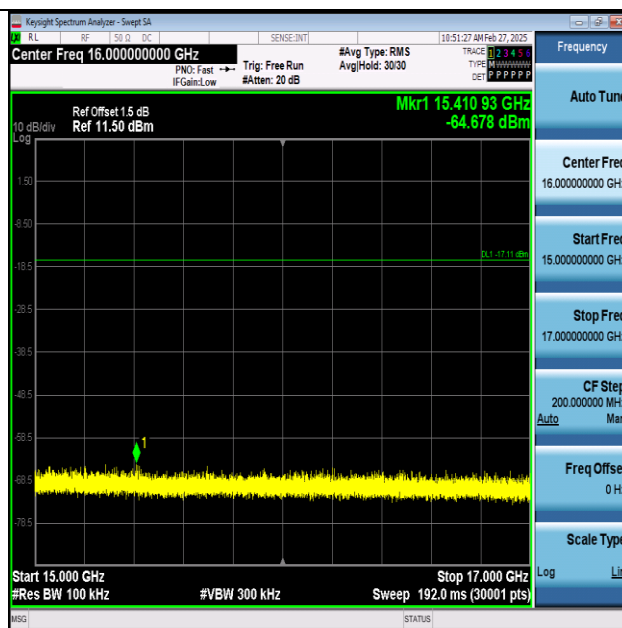
BLE\_500K-Ant1-2440-9000~11000-PASS



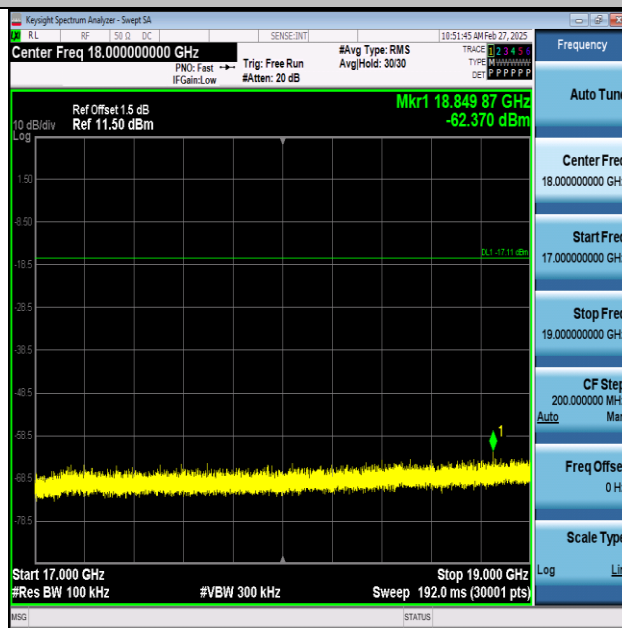
BLE\_500K-Ant1-2440-11000~13000-PASS



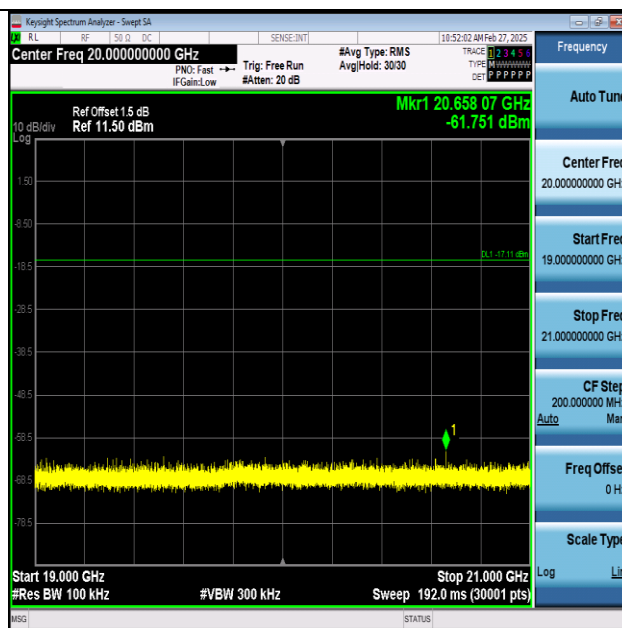
BLE\_500K-Ant1-2440-13000~15000-PASS



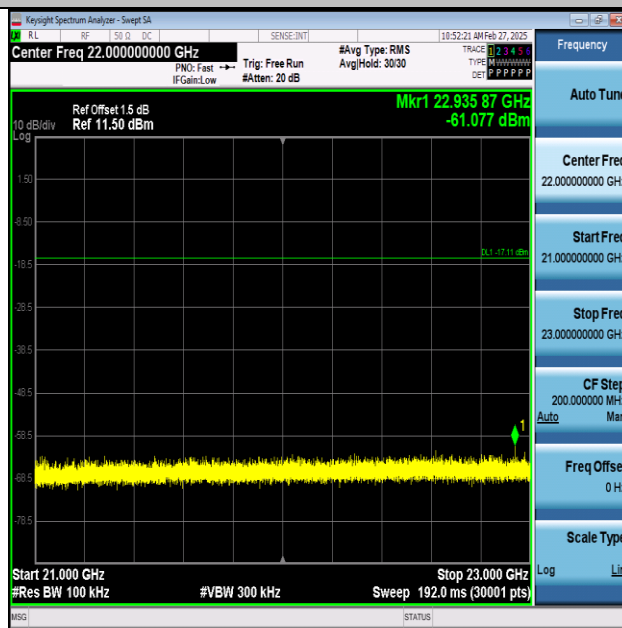
BLE\_500K-Ant1-2440-15000~17000-PASS



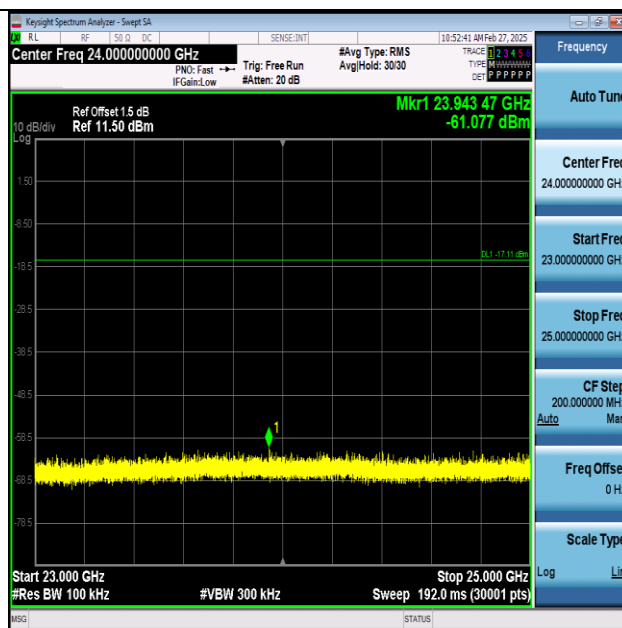
BLE\_500K-Ant1-2440-17000~19000-PASS



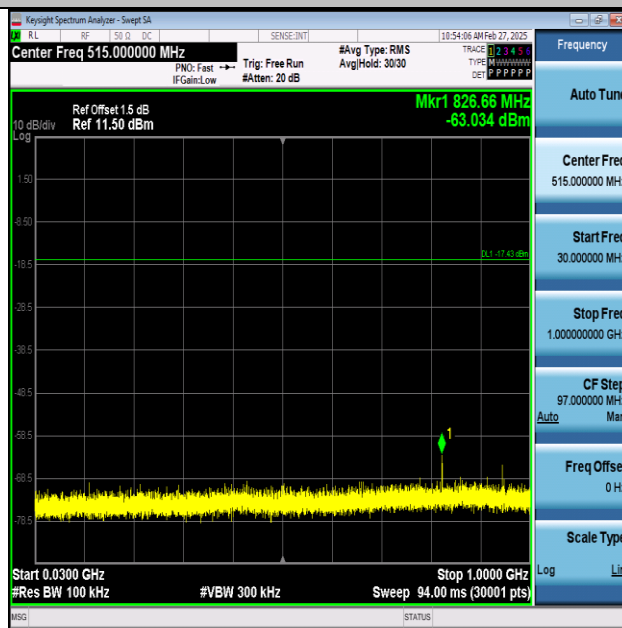
BLE\_500K-Ant1-2440-19000~21000-PASS



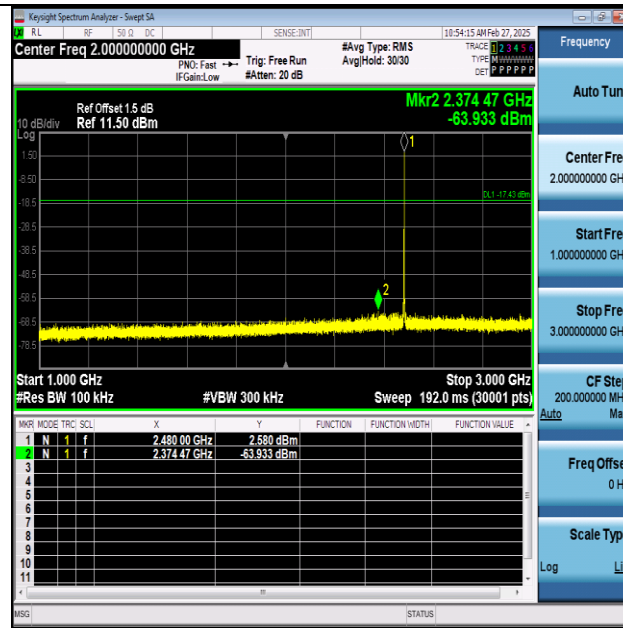
BLE\_500K-Ant1-2440-21000~23000-PASS



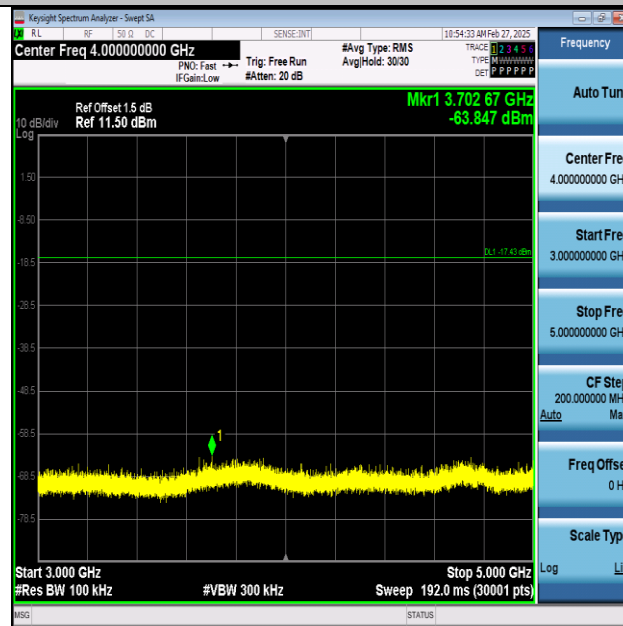
BLE\_500K-Ant1-2440-23000~25000-PASS



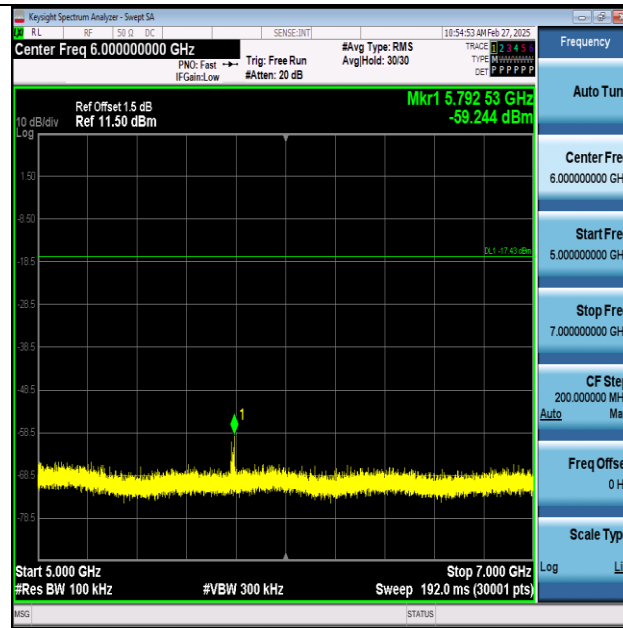
BLE\_500K-Ant1-2480-30~1000-PASS



BLE\_500K-Ant1-2480-1000~3000-PASS



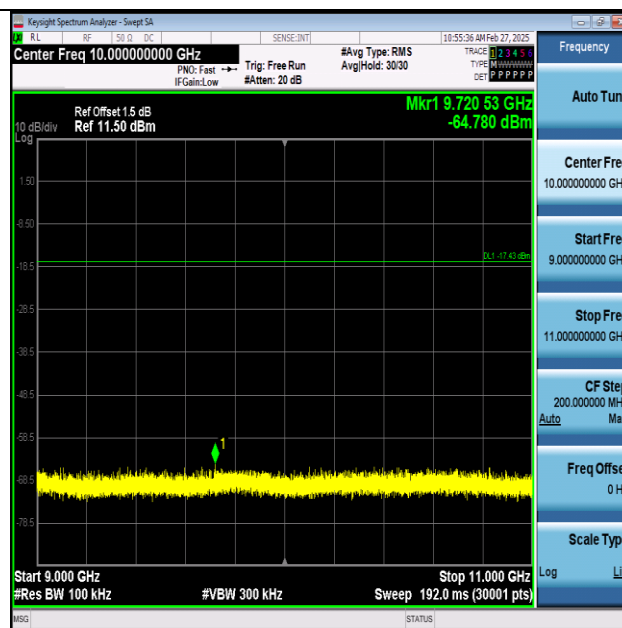
BLE\_500K-Ant1-2480-3000~5000-PASS



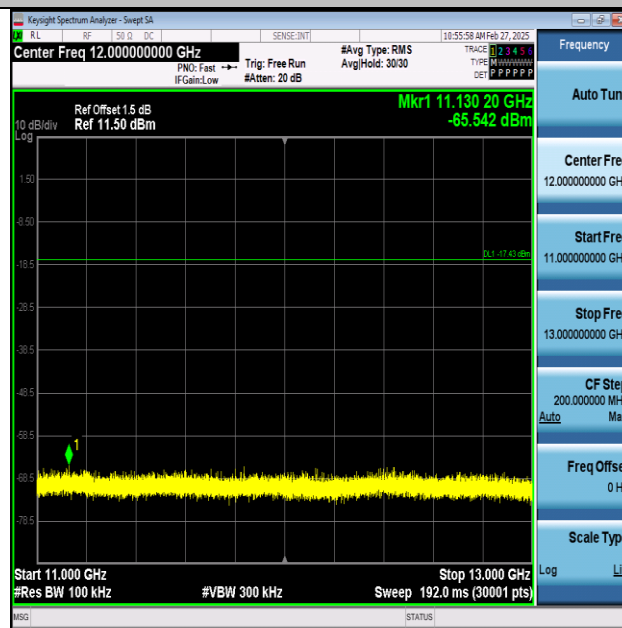
BLE\_500K-Ant1-2480-5000~7000-PASS



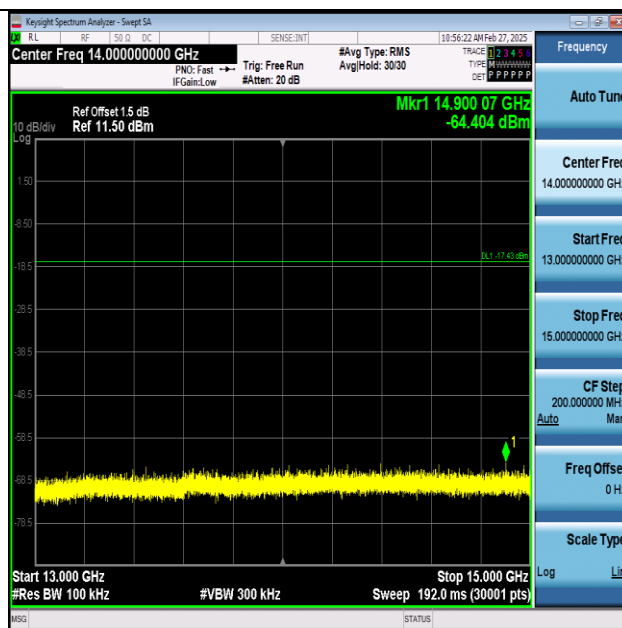
BLE\_500K-Ant1-2480-7000~9000-PASS



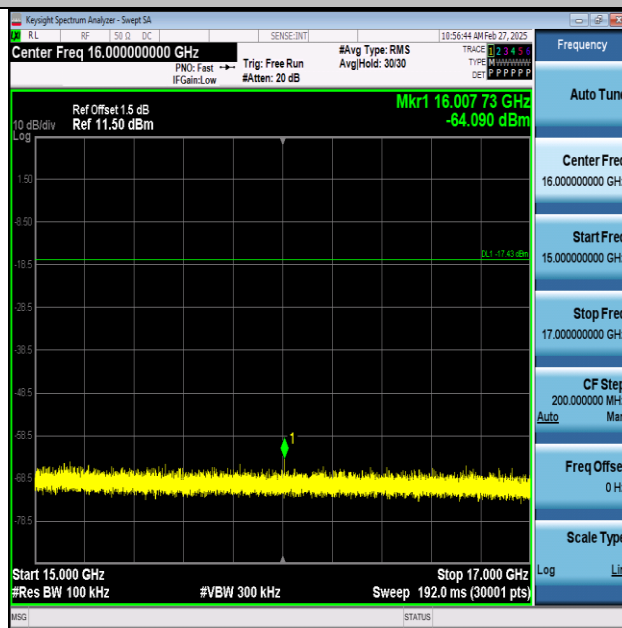
BLE\_500K-Ant1-2480-9000~11000-PASS



BLE\_500K-Ant1-2480-11000~13000-PASS



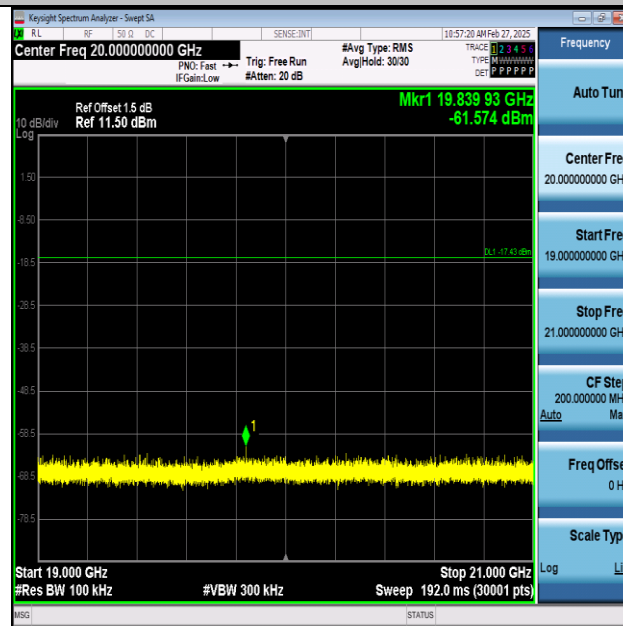
BLE\_500K-Ant1-2480-13000~15000-PASS



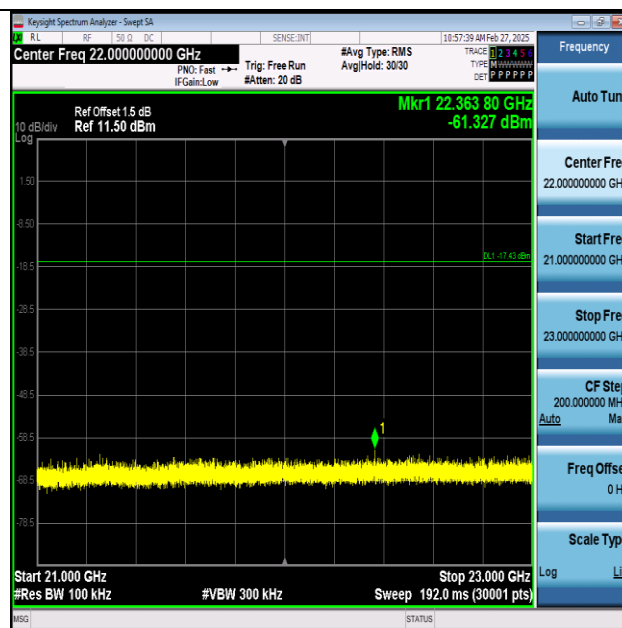
BLE\_500K-Ant1-2480-15000~17000-PASS



BLE\_500K-Ant1-2480-17000~19000-PASS



BLE\_500K-Ant1-2480-19000~21000-PASS



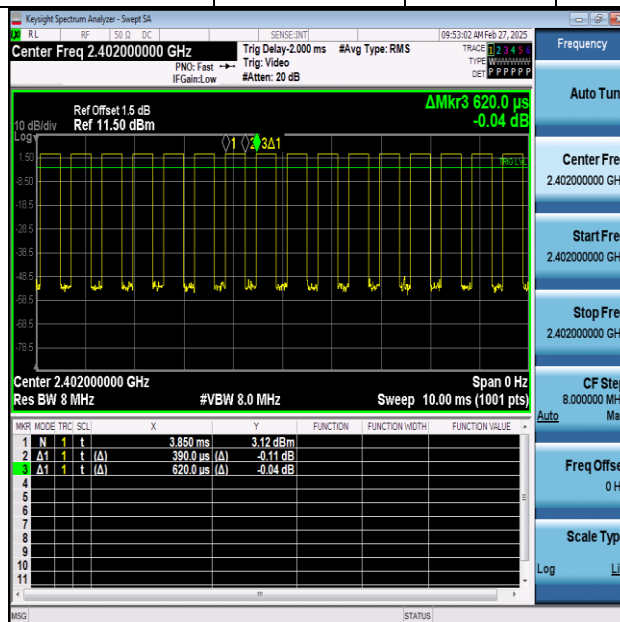
BLE\_500K-Ant1-2480-21000~23000-PASS



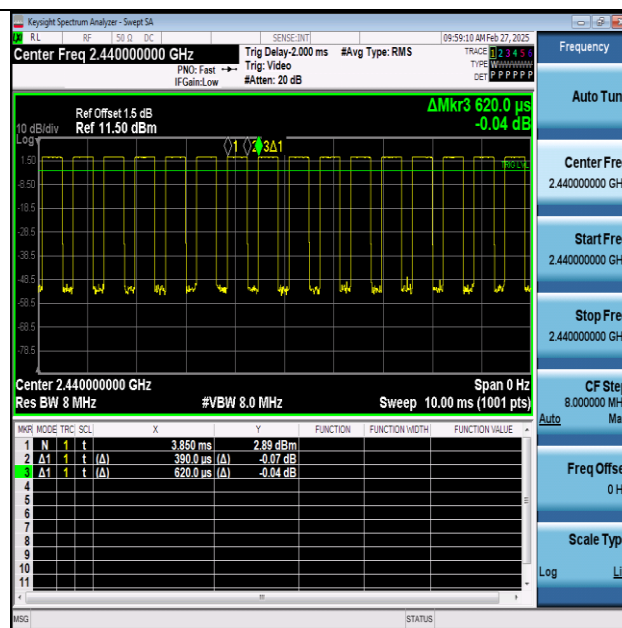
BLE\_500K-Ant1-2480-23000~25000-PASS

## Appendix F: Duty Cycle

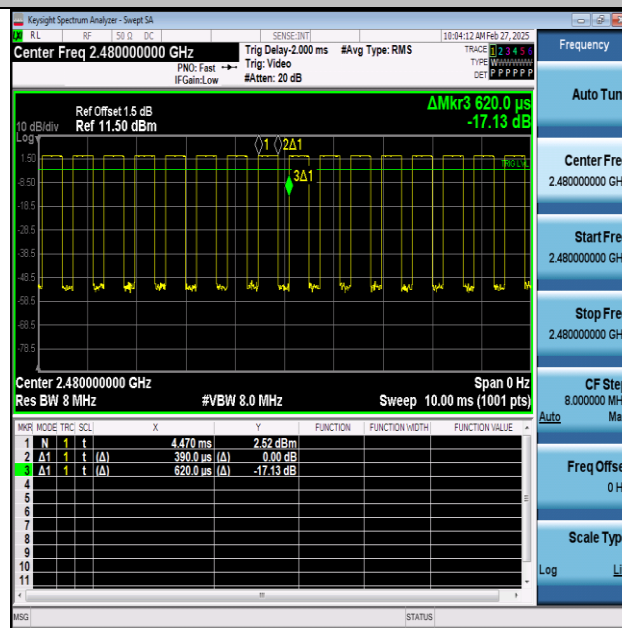
| TestMode | Antenna | Frequency[MHz] | ON Time [ms] | Period [ms] | Duty Cycle [%] | Duty Cycle Factor[dB] |
|----------|---------|----------------|--------------|-------------|----------------|-----------------------|
| BLE_1M   | Ant1    | 2402           | 0.39         | 0.62        | 62.90          | 2.01                  |
| BLE_1M   | Ant1    | 2440           | 0.39         | 0.62        | 62.90          | 2.01                  |
| BLE_1M   | Ant1    | 2480           | 0.39         | 0.62        | 62.90          | 2.01                  |
| BLE_2M   | Ant1    | 2402           | 0.20         | 0.62        | 32.26          | 4.91                  |
| BLE_2M   | Ant1    | 2440           | 0.21         | 0.63        | 33.33          | 4.77                  |
| BLE_2M   | Ant1    | 2480           | 0.21         | 0.63        | 33.33          | 4.77                  |
| BLE_125K | Ant1    | 2402           | 3.11         | 3.75        | 82.93          | 0.81                  |
| BLE_125K | Ant1    | 2440           | 3.11         | 3.75        | 82.93          | 0.81                  |
| BLE_125K | Ant1    | 2480           | 3.10         | 3.75        | 82.67          | 0.83                  |
| BLE_500K | Ant1    | 2402           | 1.07         | 1.87        | 57.22          | 2.42                  |
| BLE_500K | Ant1    | 2440           | 1.07         | 1.87        | 57.22          | 2.42                  |
| BLE_500K | Ant1    | 2480           | 1.07         | 1.88        | 56.91          | 2.45                  |



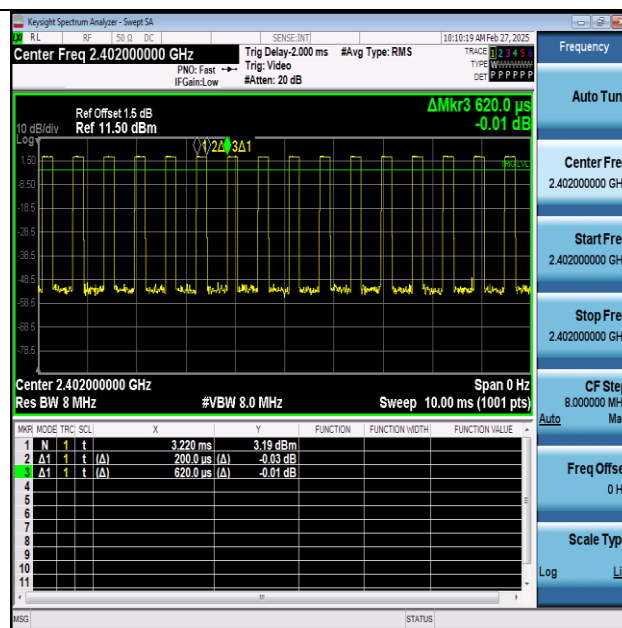
NTNV-BLE\_1M-Ant1-2402



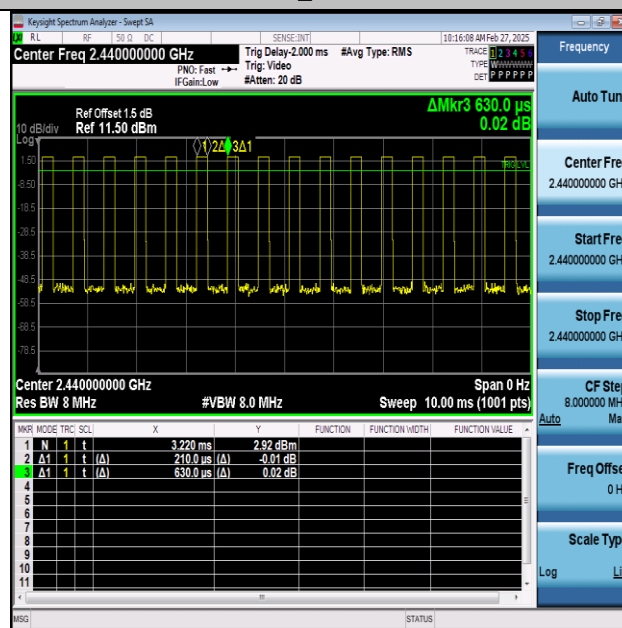
NTNV-BLE\_1M-Ant1-2440



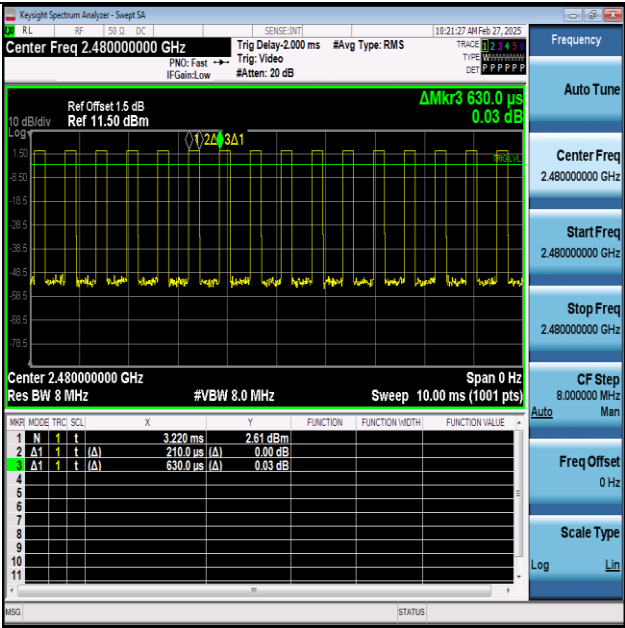
NTNV-BLE\_1M-Ant1-2480



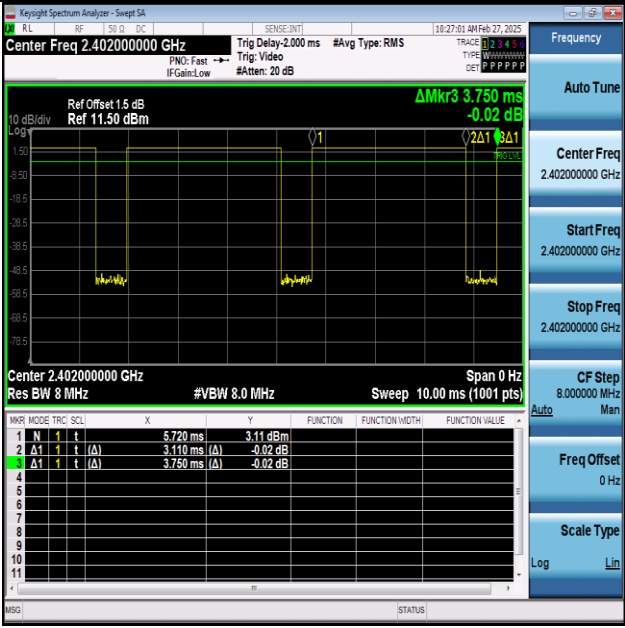
NTNV-BLE\_2M-Ant1-2402



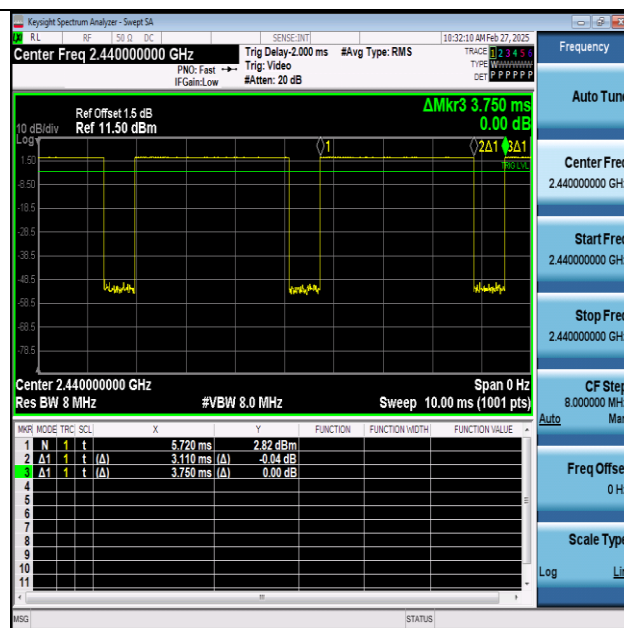
NTNV-BLE\_2M-Ant1-2440



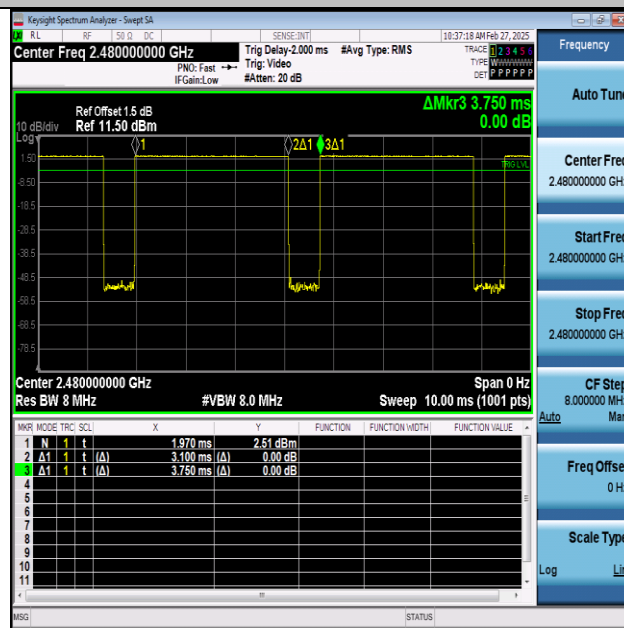
NTNV-BLE\_2M-Ant1-2480



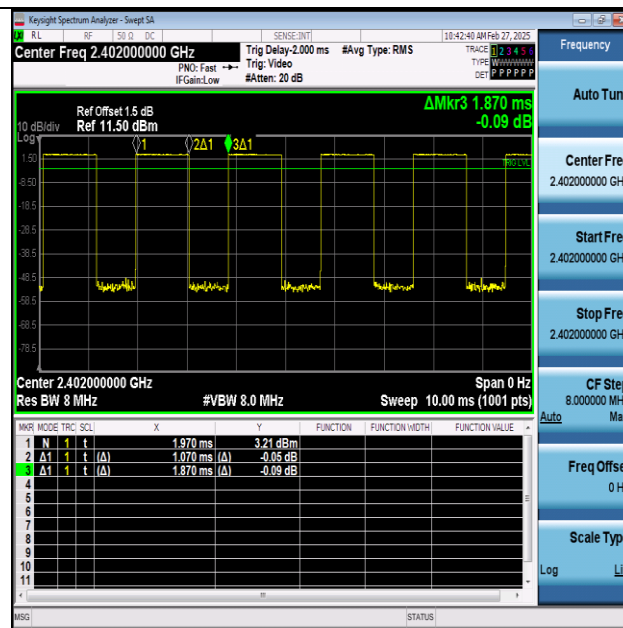
NTNV-BLE\_125K-Ant1-2402



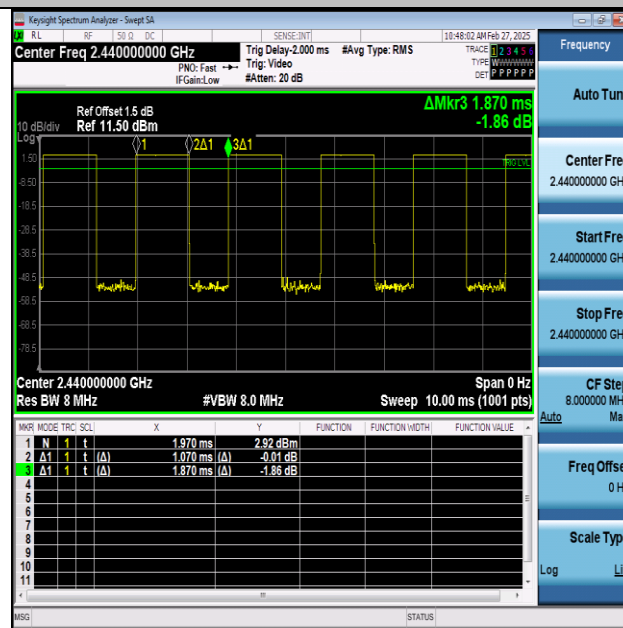
NTNV-BLE\_125K-Ant1-2440



NTNV-BLE\_125K-Ant1-2480



NTNV-BLE\_500K-Ant1-2402



NTNV-BLE\_500K-Ant1-2440



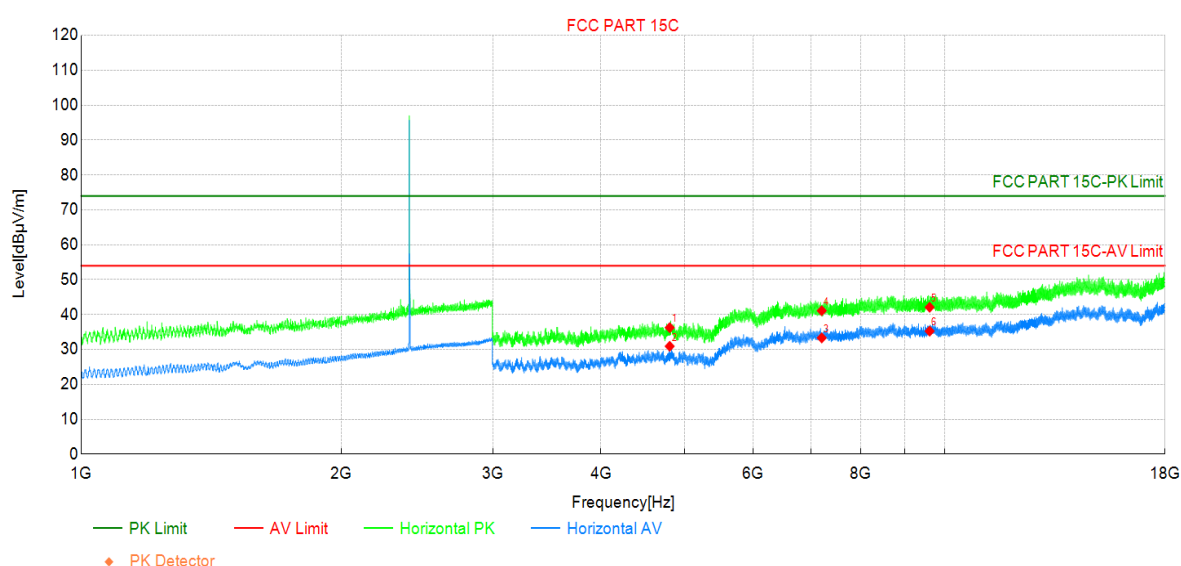
## Appendix G: Emissions in Restricted Bands

### Test Report

#### Project Information

|                |                                   |          |                                                                                                                              |
|----------------|-----------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------|
| Profile:       | 2510795R                          | EUT:     | IEEE 802.11<br>a/b/g/n/ac/ax 2T/2R<br>Band USB2.0<br>Combo Module<br>Integrated<br>Bluetooth<br>V2.1/3.0/4.0/4.1/4.2<br>/5.2 |
| Mode:          | Mode1Transmit at 2402MHz by LE 1M | Voltage: | 3.3 Vdc                                                                                                                      |
| Environment:   | Temp: 25°C ; Humi:60%             | Enginee  | Yu Liu                                                                                                                       |
| Test Standard: | FCC PART 15C                      |          |                                                                                                                              |

#### Test Graph



#### Suspected Data List

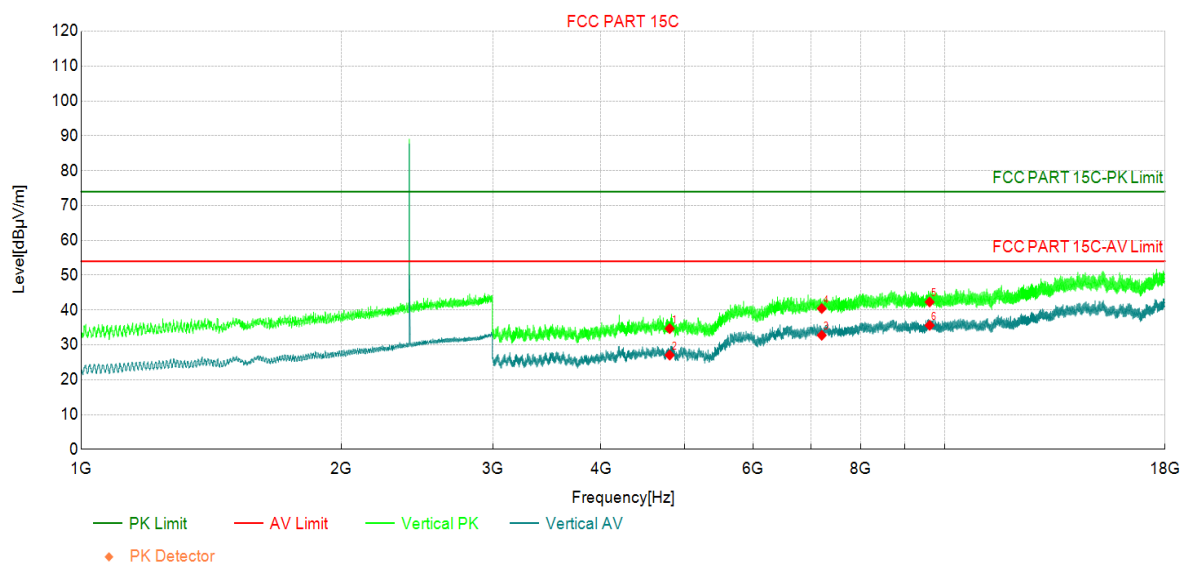
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4804.00         | 42.29          | 36.26          | -6.03         | 74.00          | 37.74       | PK  | Horizo | PASS    |
| 2  | 4804.00         | 36.94          | 30.91          | -6.03         | 54.00          | 23.09       | AV  | Horizo | PASS    |
| 3  | 7206.00         | 30.35          | 33.32          | 2.97          | 54.00          | 20.68       | AV  | Horizo | PASS    |
| 4  | 7206.00         | 38.12          | 41.09          | 2.97          | 74.00          | 32.91       | PK  | Horizo | PASS    |
| 5  | 9608.00         | 36.14          | 42.08          | 5.94          | 74.00          | 31.92       | PK  | Horizo | PASS    |
| 6  | 9608.00         | 29.31          | 35.25          | 5.94          | 54.00          | 18.75       | AV  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                   |          |                                                                                                                              |
|----------------|-----------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------|
| Profile:       | 2510795R                          | EUT:     | IEEE 802.11<br>a/b/g/n/ac/ax 2T/2R<br>Band USB2.0<br>Combo Module<br>Integrated<br>Bluetooth<br>V2.1/3.0/4.0/4.1/4.2<br>/5.2 |
| Mode:          | Mode2Transmit at 2402MHz by LE 1M | Voltage: | 3.3 Vdc                                                                                                                      |
| Environment:   | Temp: 25°C ; Humi:60%             | Engineer | Yu Liu                                                                                                                       |
| Test Standard: | FCC PART 15C                      |          |                                                                                                                              |

Test Graph



### Suspected Data List

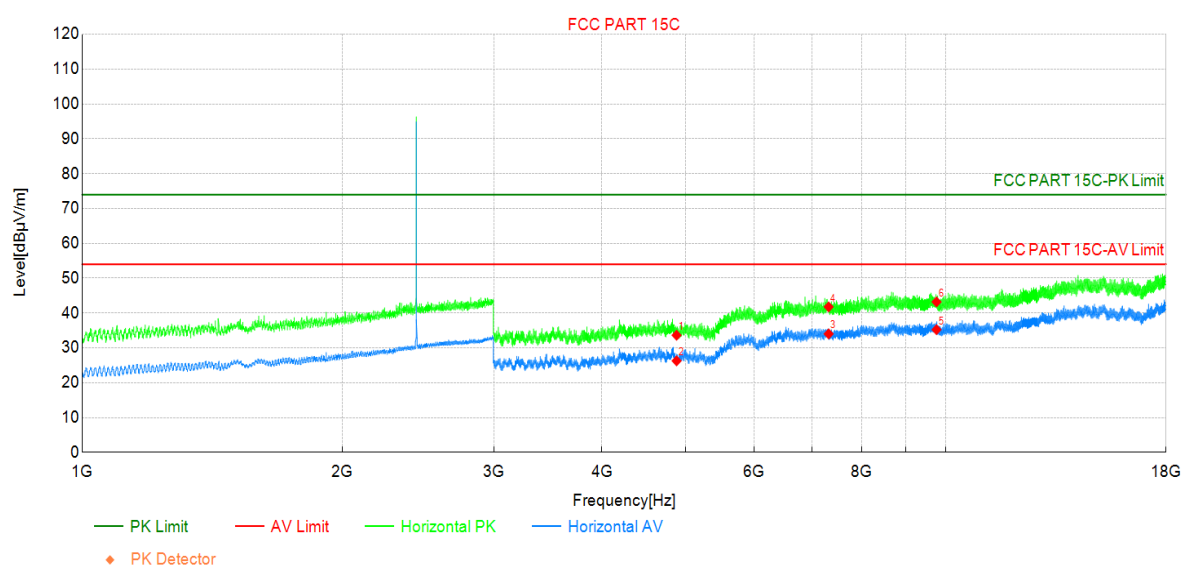
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4804.00         | 40.70          | 34.67          | -6.03         | 74.00          | 39.33       | PK  | Vertic | PASS    |
| 2  | 4804.00         | 33.09          | 27.06          | -6.03         | 54.00          | 26.94       | AV  | Vertic | PASS    |
| 3  | 7206.00         | 29.77          | 32.74          | 2.97          | 54.00          | 21.26       | AV  | Vertic | PASS    |
| 4  | 7206.00         | 37.47          | 40.44          | 2.97          | 74.00          | 33.56       | PK  | Vertic | PASS    |
| 5  | 9608.00         | 36.36          | 42.30          | 5.94          | 74.00          | 31.70       | PK  | Vertic | PASS    |
| 6  | 9608.00         | 29.65          | 35.59          | 5.94          | 54.00          | 18.41       | AV  | Vertic | PASS    |

## Test Report

### Project Information

|                |                                   |          |                                                                                                                              |
|----------------|-----------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------|
| Profile:       | 2510795R                          | EUT:     | IEEE 802.11<br>a/b/g/n/ac/ax 2T/2R<br>Band USB2.0<br>Combo Module<br>Integrated<br>Bluetooth<br>V2.1/3.0/4.0/4.1/4.2<br>/5.2 |
| Mode:          | Mode1Transmit at 2440MHz by LE 1M | Voltage: | 3.3 Vdc                                                                                                                      |
| Environment:   | Temp: 25°C ; Humi:60%             | Engineer | Yu Liu                                                                                                                       |
| Test Standard: | FCC PART 15C                      |          |                                                                                                                              |

Test Graph



### Suspected Data List

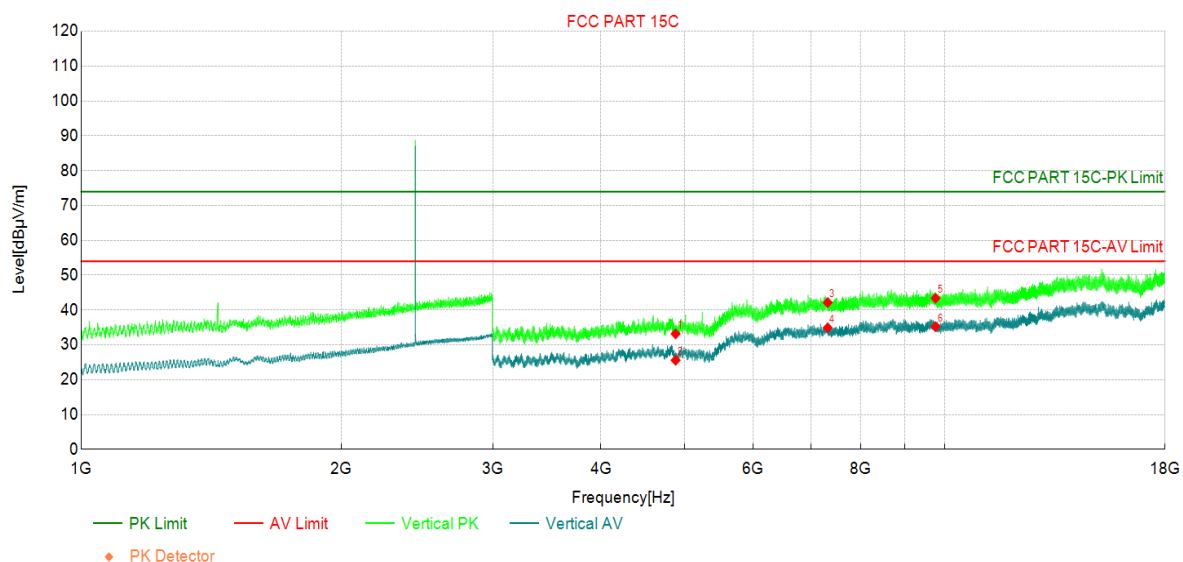
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4880.00         | 39.70          | 33.62          | -6.08         | 74.00          | 40.38       | PK  | Horizo | PASS    |
| 2  | 4880.00         | 32.35          | 26.27          | -6.08         | 54.00          | 27.73       | AV  | Horizo | PASS    |
| 3  | 7320.00         | 31.21          | 34.01          | 2.80          | 54.00          | 19.99       | AV  | Horizo | PASS    |
| 4  | 7320.00         | 38.96          | 41.76          | 2.80          | 74.00          | 32.24       | PK  | Horizo | PASS    |
| 5  | 9760.00         | 29.10          | 35.23          | 6.13          | 54.00          | 18.77       | AV  | Horizo | PASS    |
| 6  | 9760.00         | 37.06          | 43.19          | 6.13          | 74.00          | 30.81       | PK  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                   |          |                                                                                                                              |
|----------------|-----------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------|
| Profile:       | 2510795R                          | EUT:     | IEEE 802.11<br>a/b/g/n/ac/ax 2T/2R<br>Band USB2.0<br>Combo Module<br>Integrated<br>Bluetooth<br>V2.1/3.0/4.0/4.1/4.2<br>/5.2 |
| Mode:          | Mode1Transmit at 2440MHz by LE 1M | Voltage: | 3.3 Vdc                                                                                                                      |
| Environment:   | Temp: 25°C ; Humi:60%             | Engineer | Yu Liu                                                                                                                       |
| Test Standard: | FCC PART 15C                      |          |                                                                                                                              |

Test Graph



### Suspected Data List

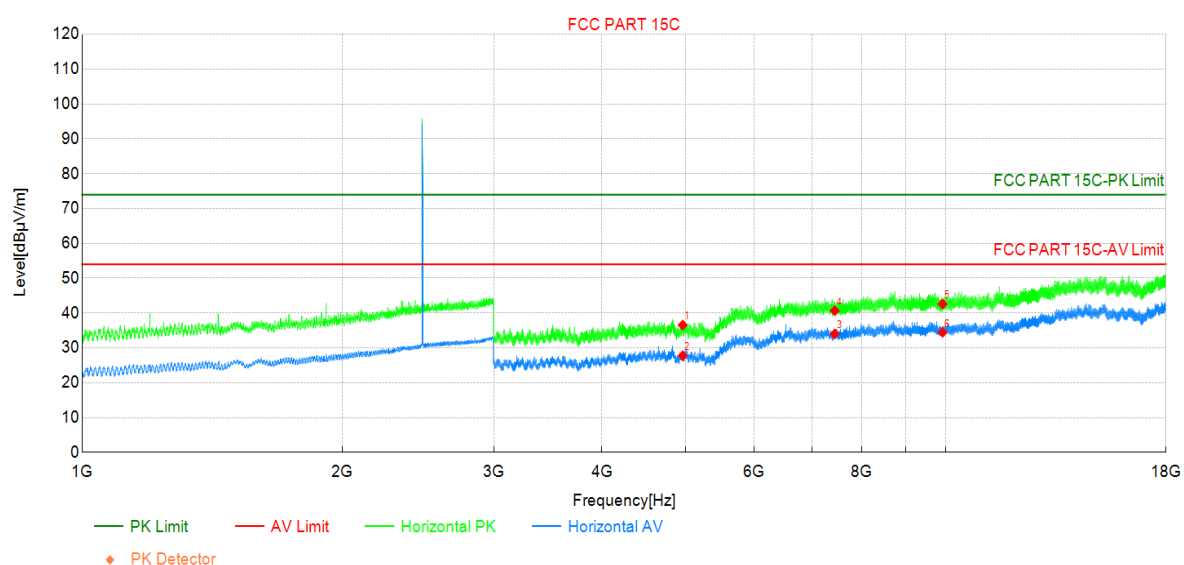
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4880.00         | 39.23          | 33.15          | -6.08         | 74.00          | 40.85       | PK  | Vertic | PASS    |
| 2  | 4880.00         | 31.67          | 25.59          | -6.08         | 54.00          | 28.41       | AV  | Vertic | PASS    |
| 3  | 7320.00         | 39.35          | 42.15          | 2.80          | 74.00          | 31.85       | PK  | Vertic | PASS    |
| 4  | 7320.00         | 32.10          | 34.90          | 2.80          | 54.00          | 19.10       | AV  | Vertic | PASS    |
| 5  | 9760.00         | 37.25          | 43.38          | 6.13          | 74.00          | 30.62       | PK  | Vertic | PASS    |
| 6  | 9760.00         | 29.08          | 35.21          | 6.13          | 54.00          | 18.79       | AV  | Vertic | PASS    |

## Test Report

### Project Information

|                |                                   |          |                                                                                                                              |
|----------------|-----------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------|
| Profile:       | 2510795R                          | EUT:     | IEEE 802.11<br>a/b/g/n/ac/ax 2T/2R<br>Band USB2.0<br>Combo Module<br>Integrated<br>Bluetooth<br>V2.1/3.0/4.0/4.1/4.2<br>/5.2 |
| Mode:          | Mode1Transmit at 2480MHz by LE 1M | Voltage: | 3.3 Vdc                                                                                                                      |
| Environment:   | Temp: 25°C ; Humi:60%             | Engineer | Yu Liu                                                                                                                       |
| Test Standard: | FCC PART 15C                      |          |                                                                                                                              |

### Test Graph



### Suspected Data List

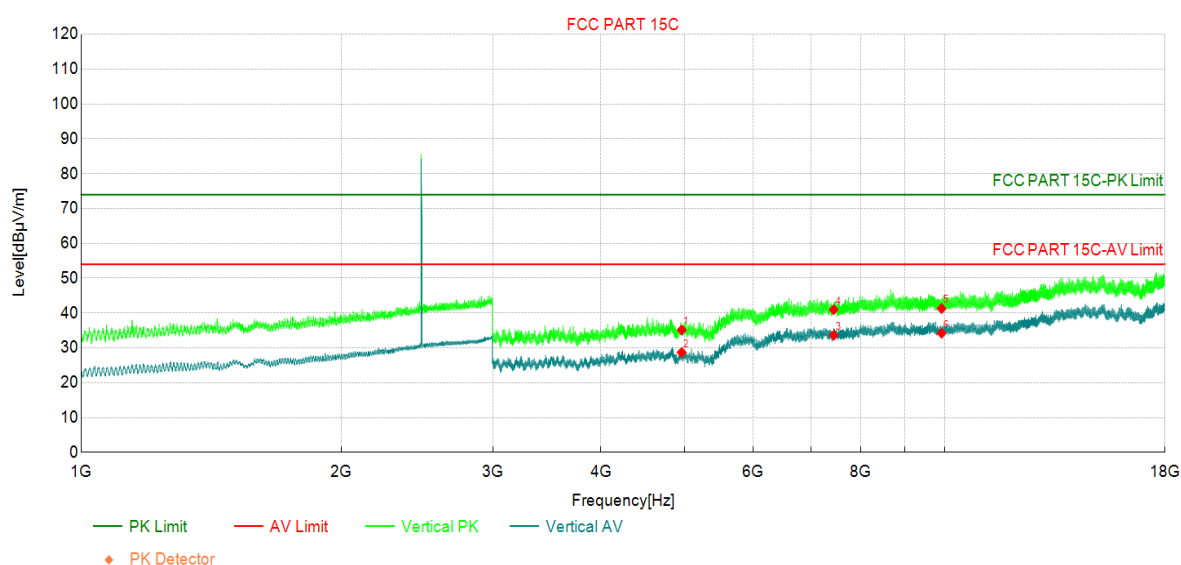
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4960.00         | 41.80          | 36.53          | -5.27         | 74.00          | 37.47       | PK  | Horizo | PASS    |
| 2  | 4960.00         | 33.02          | 27.75          | -5.27         | 54.00          | 26.25       | AV  | Horizo | PASS    |
| 3  | 7440.00         | 31.44          | 34.00          | 2.56          | 54.00          | 20.00       | AV  | Horizo | PASS    |
| 4  | 7440.00         | 38.10          | 40.66          | 2.56          | 74.00          | 33.34       | PK  | Horizo | PASS    |
| 5  | 9920.00         | 36.95          | 42.57          | 5.62          | 74.00          | 31.43       | PK  | Horizo | PASS    |
| 6  | 9920.00         | 28.85          | 34.47          | 5.62          | 54.00          | 19.53       | AV  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                   |          |                                                                                                                              |
|----------------|-----------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------|
| Profile:       | 2510795R                          | EUT:     | IEEE 802.11<br>a/b/g/n/ac/ax 2T/2R<br>Band USB2.0<br>Combo Module<br>Integrated<br>Bluetooth<br>V2.1/3.0/4.0/4.1/4.2<br>/5.2 |
| Mode:          | Mode1Transmit at 2480MHz by LE 1M | Voltage: | 3.3 Vdc                                                                                                                      |
| Environment:   | Temp: 25℃ ; Humi:60%              | Engineer | Yu Liu                                                                                                                       |
| Test Standard: | FCC PART 15C                      |          |                                                                                                                              |

Test Graph



### Suspected Data List

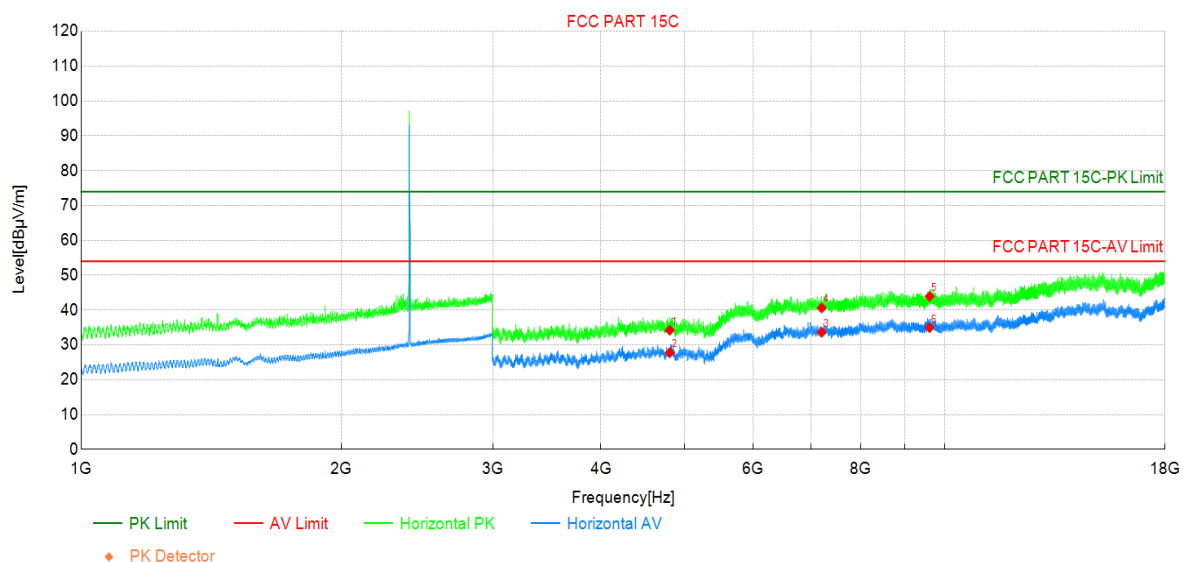
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4960.00         | 40.41          | 35.14          | -5.27         | 74.00          | 38.86       | PK  | Vertic | PASS    |
| 2  | 4960.00         | 33.95          | 28.68          | -5.27         | 54.00          | 25.32       | AV  | Vertic | PASS    |
| 3  | 7440.00         | 31.04          | 33.60          | 2.56          | 54.00          | 20.40       | AV  | Vertic | PASS    |
| 4  | 7440.00         | 38.40          | 40.96          | 2.56          | 74.00          | 33.04       | PK  | Vertic | PASS    |
| 5  | 9920.00         | 35.68          | 41.30          | 5.62          | 74.00          | 32.70       | PK  | Vertic | PASS    |
| 6  | 9920.00         | 28.56          | 34.18          | 5.62          | 54.00          | 19.82       | AV  | Vertic | PASS    |

## Test Report

### Project Information

|                |                                   |          |                                                                                                                              |
|----------------|-----------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------|
| Profile:       | 2510795R                          | EUT:     | IEEE 802.11<br>a/b/g/n/ac/ax 2T/2R<br>Band USB2.0<br>Combo Module<br>Integrated<br>Bluetooth<br>V2.1/3.0/4.0/4.1/4.2<br>/5.2 |
| Mode:          | Mode2Transmit at 2402MHz by LE 2M | Voltage: | 3.3 Vdc                                                                                                                      |
| Environment:   | Temp: 25°C ; Humi:60%             | Engineer | Yu Liu                                                                                                                       |
| Test Standard: | FCC PART 15C                      |          |                                                                                                                              |

Test Graph



### Suspected Data List

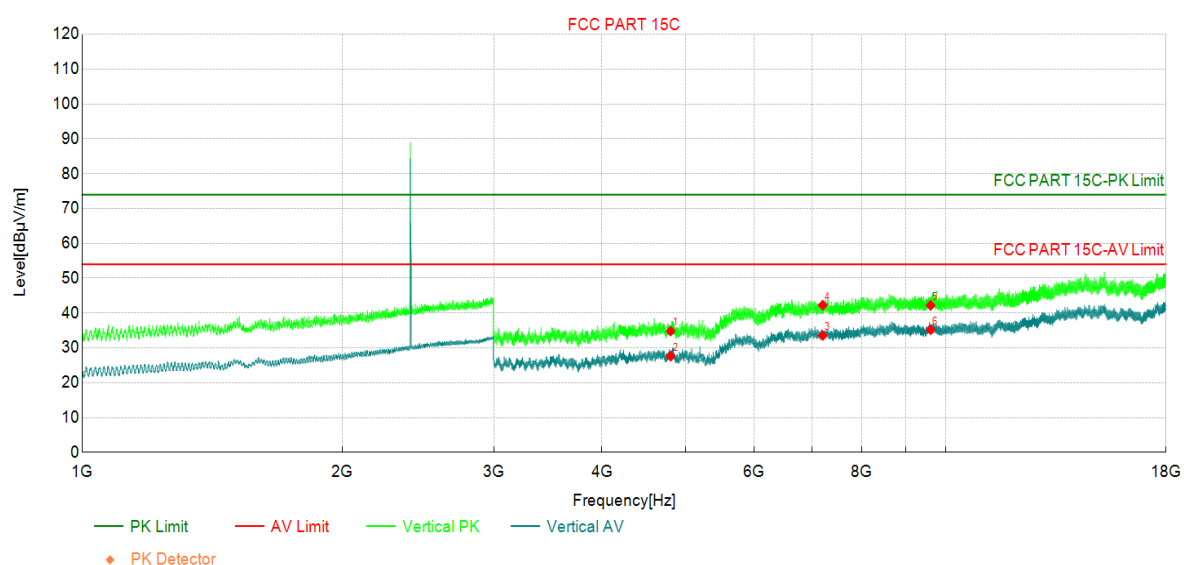
| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4804.00         | 40.22          | 34.19          | -6.03         | 74.00          | 39.81       | PK  | Horizo | PASS    |
| 2  | 4804.00         | 33.78          | 27.75          | -6.03         | 54.00          | 26.25       | AV  | Horizo | PASS    |
| 3  | 7206.00         | 30.65          | 33.62          | 2.97          | 54.00          | 20.38       | AV  | Horizo | PASS    |
| 4  | 7206.00         | 37.64          | 40.61          | 2.97          | 74.00          | 33.39       | PK  | Horizo | PASS    |
| 5  | 9608.00         | 37.97          | 43.91          | 5.94          | 74.00          | 30.09       | PK  | Horizo | PASS    |
| 6  | 9608.00         | 28.99          | 34.93          | 5.94          | 54.00          | 19.07       | AV  | Horizo | PASS    |

## Test Report

### Project Information

|                |                                   |          |                                                                                                                              |
|----------------|-----------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------|
| Profile:       | 2510795R                          | EUT:     | IEEE 802.11<br>a/b/g/n/ac/ax 2T/2R<br>Band USB2.0<br>Combo Module<br>Integrated<br>Bluetooth<br>V2.1/3.0/4.0/4.1/4.2<br>/5.2 |
| Mode:          | Mode2Transmit at 2402MHz by LE 2M | Voltage: | 3.3 Vdc                                                                                                                      |
| Environment:   | Temp: 25°C ; Humi:60%             | Engineer | Yu Liu                                                                                                                       |
| Test Standard: | FCC PART 15C                      |          |                                                                                                                              |

### Test Graph



### Suspected Data List

| NO | Frequency [MHz] | Reading [dBμV] | Level [dBμV/m] | Factor [dB/m] | Limit [dBμV/m] | Margin [dB] | Det | Pol    | Verdict |
|----|-----------------|----------------|----------------|---------------|----------------|-------------|-----|--------|---------|
| 1  | 4804.00         | 40.84          | 34.81          | -6.03         | 74.00          | 39.19       | PK  | Vertic | PASS    |
| 2  | 4804.00         | 33.63          | 27.60          | -6.03         | 54.00          | 26.40       | AV  | Vertic | PASS    |
| 3  | 7206.00         | 30.59          | 33.56          | 2.97          | 54.00          | 20.44       | AV  | Vertic | PASS    |
| 4  | 7206.00         | 39.27          | 42.24          | 2.97          | 74.00          | 31.76       | PK  | Vertic | PASS    |
| 5  | 9608.00         | 36.26          | 42.20          | 5.94          | 74.00          | 31.80       | PK  | Vertic | PASS    |
| 6  | 9608.00         | 29.28          | 35.22          | 5.94          | 54.00          | 18.78       | AV  | Vertic | PASS    |