

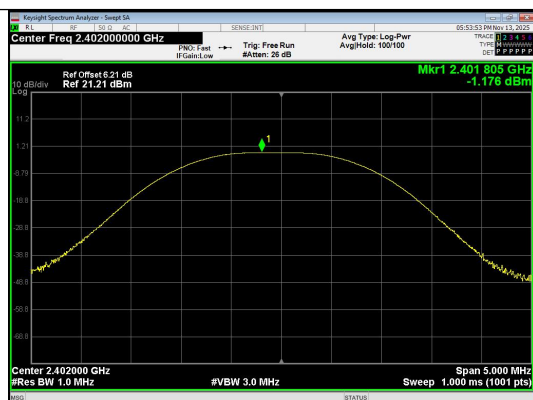
## Appendix A: Test Results of Bluetooth BLE

### Conducted Output Power

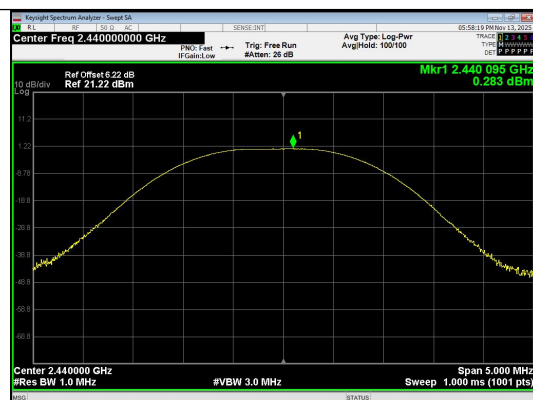
#### Test Result

| Mode   | Channel | Peak Output Power (dBm) | Peak Output Power (mW) | Limit (dBm) | Result |
|--------|---------|-------------------------|------------------------|-------------|--------|
| BLE 1M | 0       | -1.18                   | 0.76                   | ≤30         | PASS   |
|        | 19      | 0.28                    | 1.07                   | ≤30         | PASS   |
|        | 39      | 0.25                    | 1.06                   | ≤30         | PASS   |
| BLE 2M | 0       | -1.17                   | 0.76                   | ≤30         | PASS   |
|        | 19      | 0.27                    | 1.06                   | ≤30         | PASS   |
|        | 39      | 0.23                    | 1.05                   | ≤30         | PASS   |

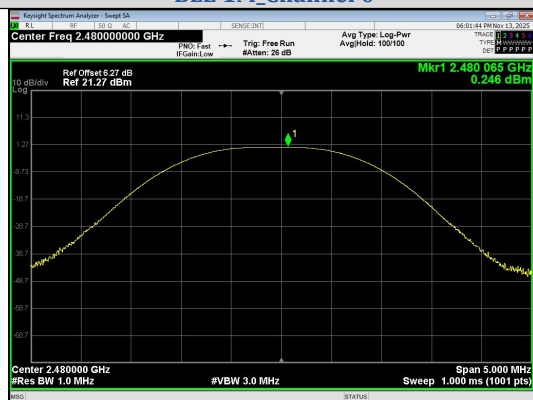
#### Test Graphs



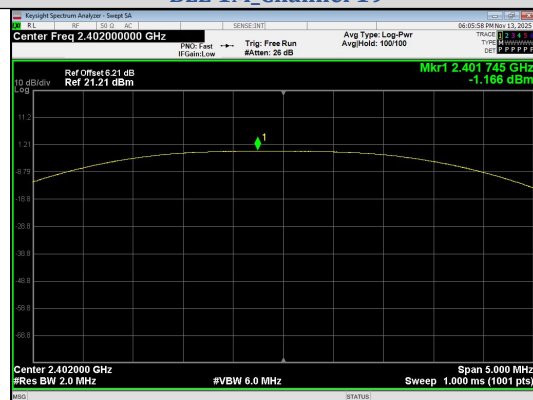
Peak Output Power  
BLE 1M\_Channel 0



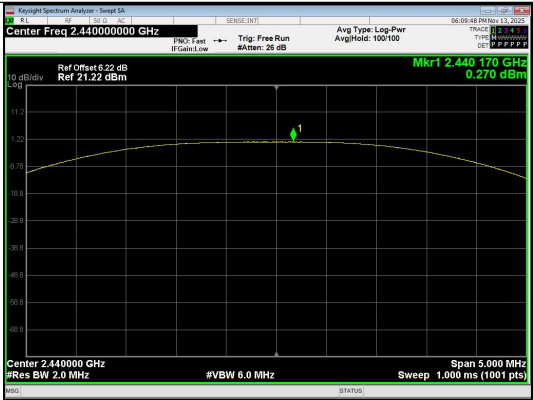
Peak Output Power  
BLE 1M\_Channel 19



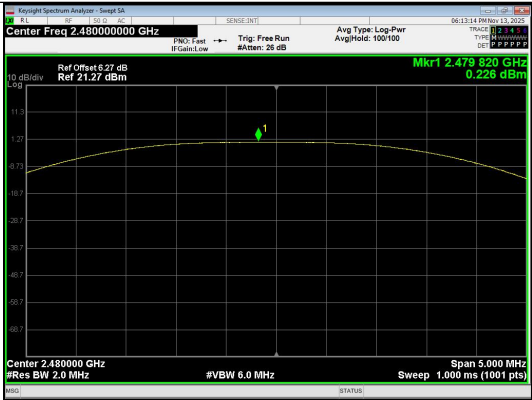
Peak Output Power  
BLE 1M\_Channel 39



Peak Output Power  
BLE 2M\_Channel 0



Peak Output Power  
BLE 2M\_Channel 19



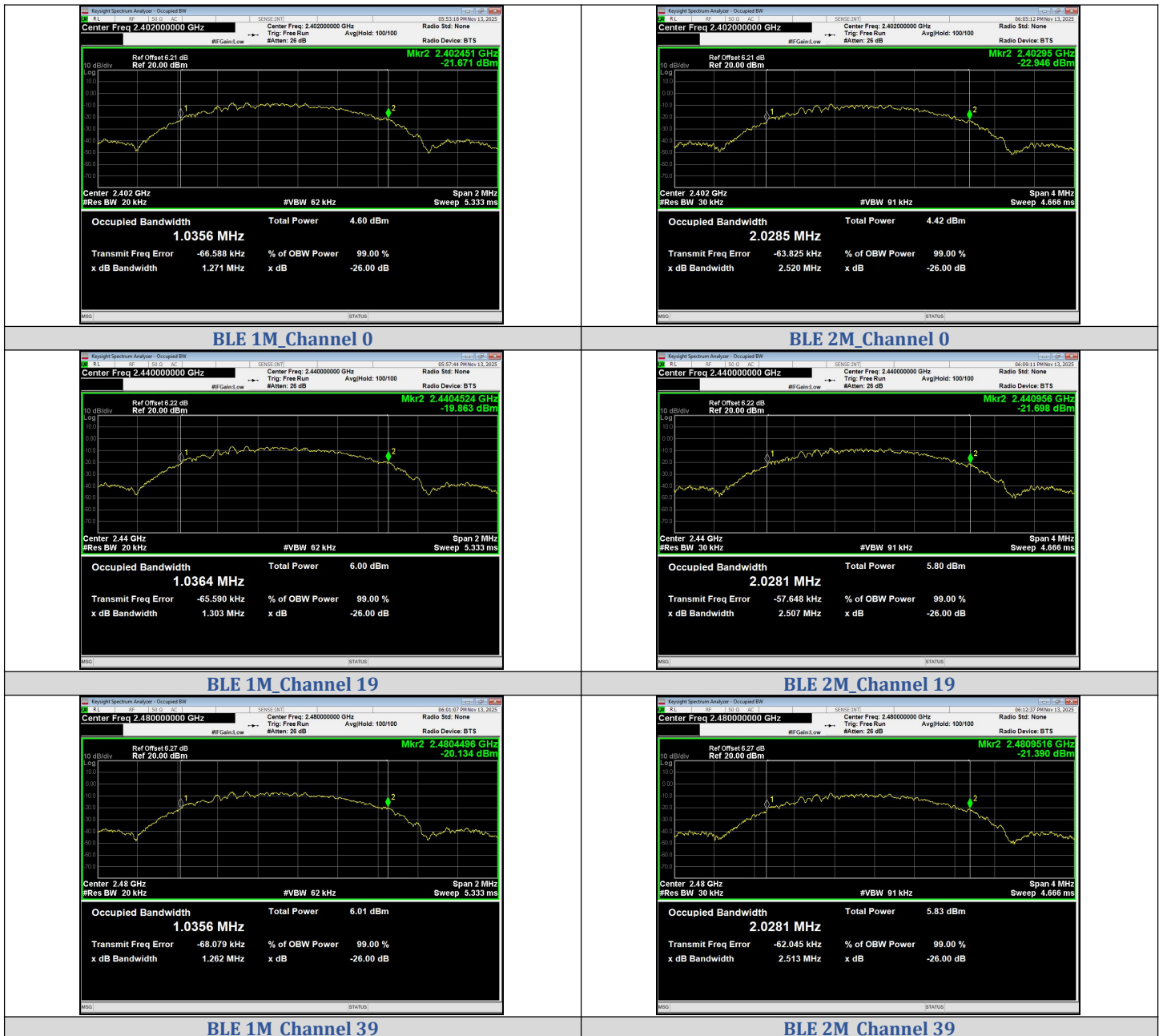
Peak Output Power  
BLE 2M\_Channel 39

## 99% Bandwidth

## Test Result

| Mode   | Channel | Center Frequency (MHz) | 99% BW (MHz) |
|--------|---------|------------------------|--------------|
| BLE 1M | 0       | 2402                   | 1.0356       |
| BLE 1M | 19      | 2440                   | 1.0364       |
| BLE 1M | 39      | 2480                   | 1.0356       |
| BLE 2M | 0       | 2402                   | 2.0285       |
| BLE 2M | 19      | 2440                   | 2.0281       |
| BLE 2M | 39      | 2480                   | 2.0281       |

## Test Graphs

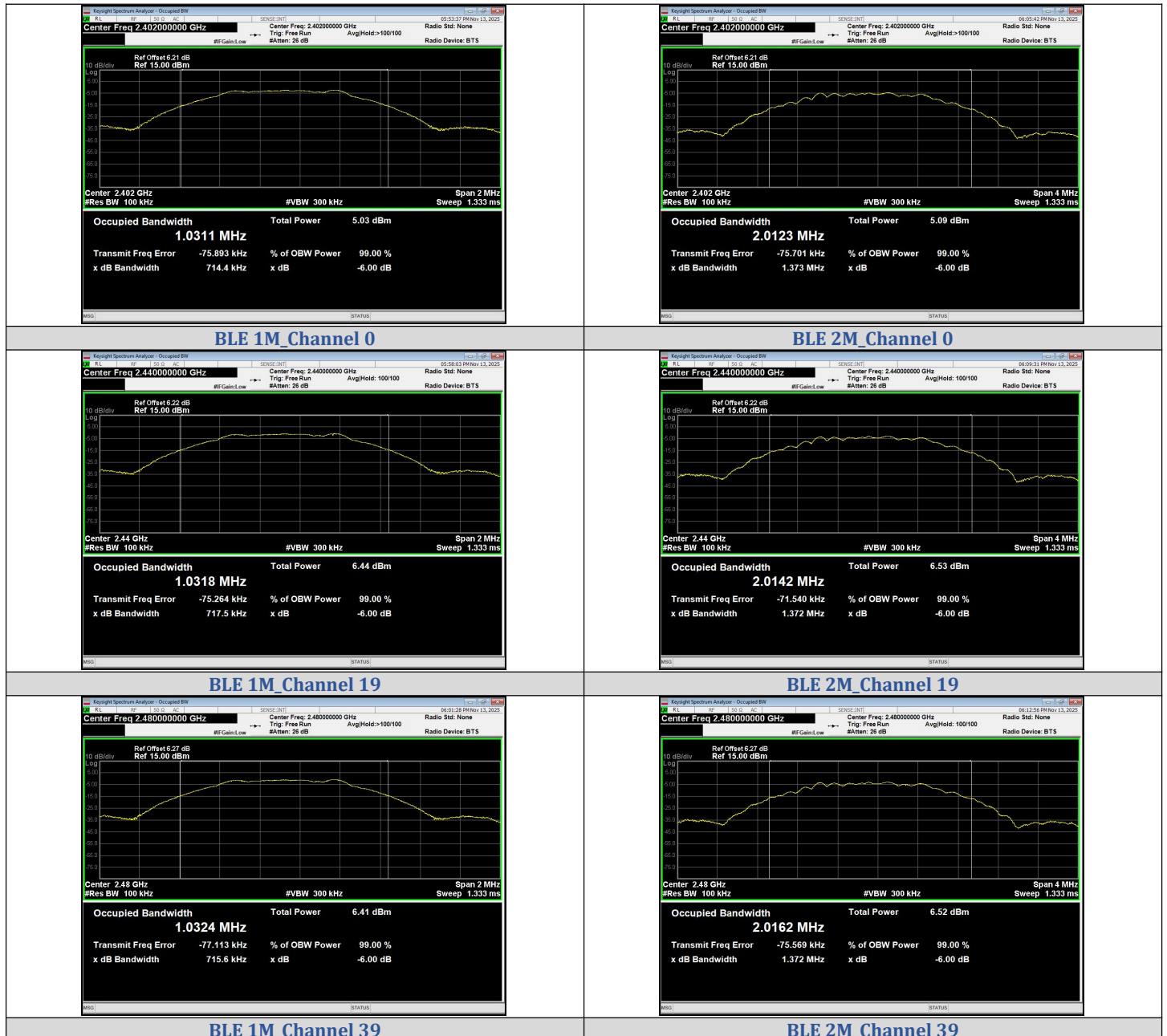


## 6dB Bandwidth

## Test Result

| Mode   | Channel | Center Frequency (MHz) | 6 dB Bandwidth (MHz) | Limit (MHz) | Result |
|--------|---------|------------------------|----------------------|-------------|--------|
| BLE 1M | 0       | 2402                   | 0.7144               | ≥0.5        | PASS   |
|        | 19      | 2440                   | 0.7175               |             | PASS   |
|        | 39      | 2480                   | 0.7156               |             | PASS   |
| BLE 2M | 0       | 2402                   | 1.373                |             | PASS   |
|        | 19      | 2440                   | 1.372                |             | PASS   |
|        | 39      | 2480                   | 1.372                |             | PASS   |

## Test Graphs



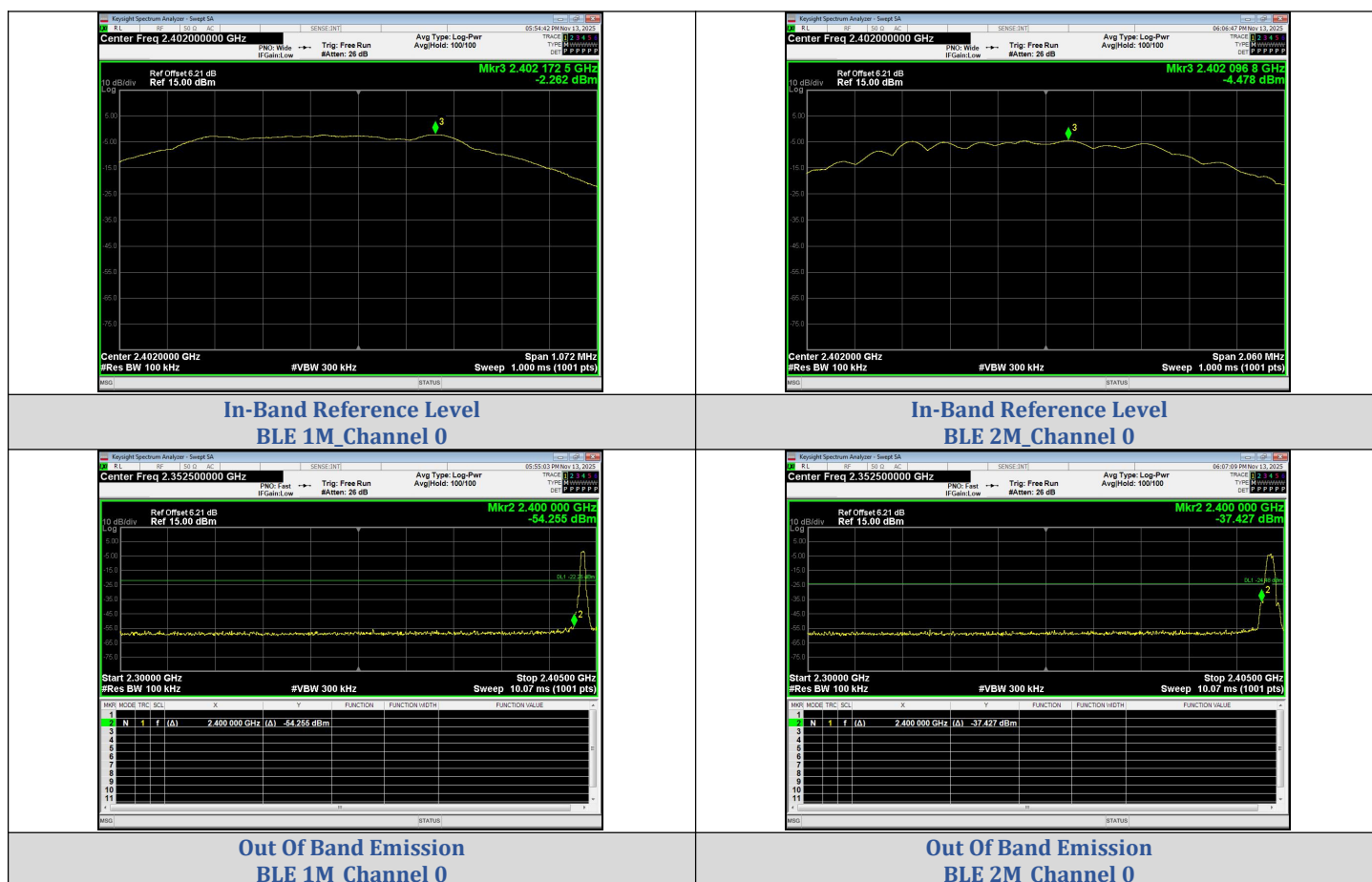
## Conducted Spurious & Band Edge Emission

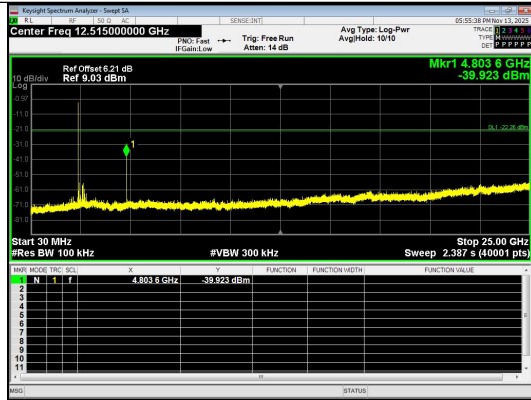
### Test Result

| Mode   | Channel | OOB Emission Frequency (MHz) | OOB Emission Level (dBm) | Limit (dBm) | Over Limit (dB) | Result |
|--------|---------|------------------------------|--------------------------|-------------|-----------------|--------|
| BLE 1M | 0       | 2400.00                      | -54.255                  | -22.26      | -31.995         | PASS   |
|        |         | 4803.64                      | -39.923                  | -22.26      | -17.663         | PASS   |
|        | 19      | 4880.42                      | -36.665                  | -20.78      | -15.885         | PASS   |
|        | 39      | 2483.50                      | -56.568                  | -20.82      | -35.748         | PASS   |
|        |         | 4959.08                      | -35.365                  | -20.82      | -14.545         | PASS   |
| BLE 2M | 0       | 2400.00                      | -37.427                  | -24.48      | -12.947         | PASS   |
|        |         | 4803.02                      | -41.113                  | -24.48      | -16.633         | PASS   |
|        | 19      | 4881.05                      | -39.604                  | -23.02      | -16.584         | PASS   |
|        | 39      | 2483.50                      | -55.609                  | -23.07      | -32.539         | PASS   |
|        |         | 4959.08                      | -37.020                  | -23.07      | -13.950         | PASS   |

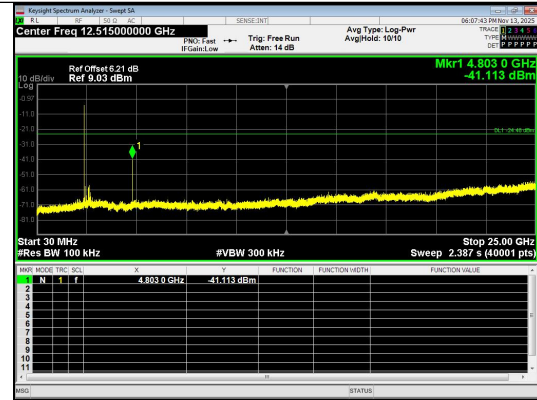
Note: input compensation coefficient (dB)= Cable Loss (dB)

### Test Graphs





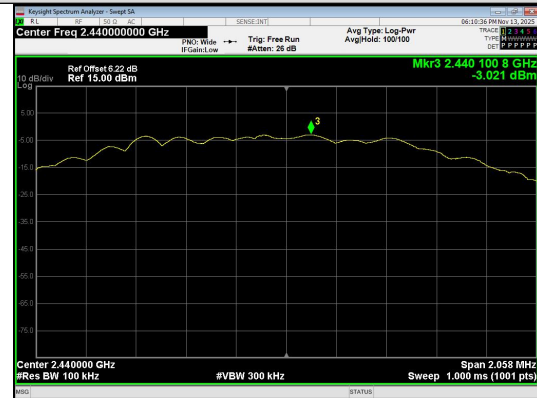
30.0 MHz - 25000.0 MHz  
BLE 1M\_Channel 0



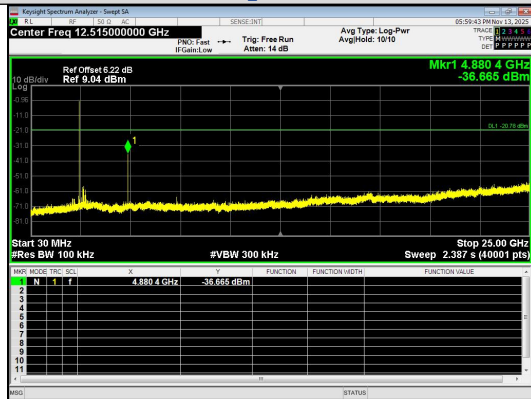
30.0 MHz - 25000.0 MHz  
BLE 2M\_Channel 0



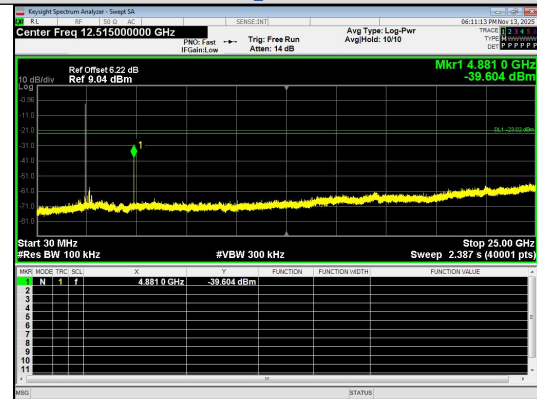
In-Band Reference Level  
BLE 1M\_Channel 19



In-Band Reference Level  
BLE 2M\_Channel 19



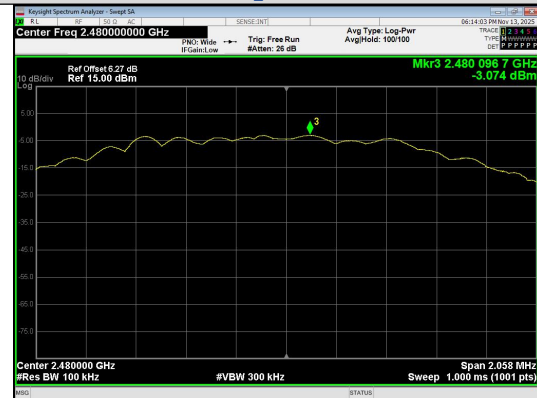
30.0 MHz - 25000.0 MHz  
BLE 1M\_Channel 19



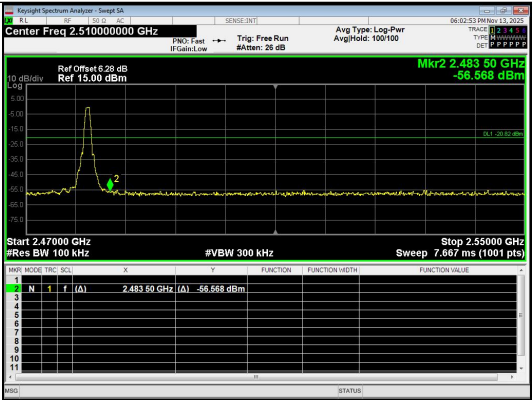
30.0 MHz - 25000.0 MHz  
BLE 2M\_Channel 19



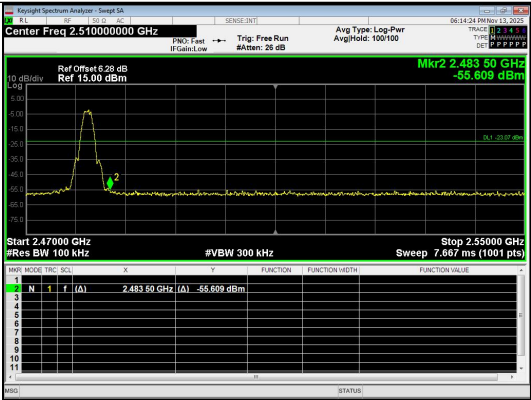
In-Band Reference Level  
BLE 1M\_Channel 39



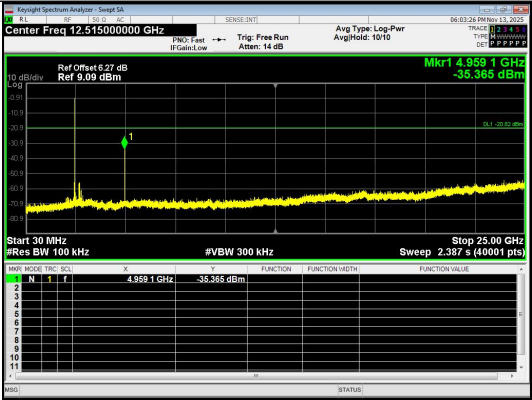
In-Band Reference Level  
BLE 2M\_Channel 39



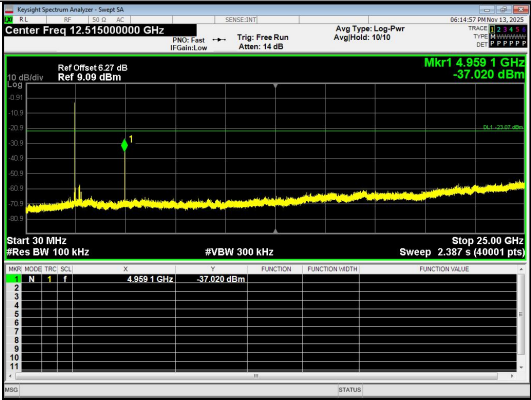
Out Of Band Emission  
BLE 1M\_Channel 39



Out Of Band Emission  
BLE 2M\_Channel 39



30.0 MHz - 25000.0 MHz  
BLE 1M\_Channel 39



30.0 MHz - 25000.0 MHz  
BLE 2M\_Channel 39

## Power Spectral Density

### Test Result

| Mode   | Channel | PSD (dBm/3kHz) | Limit (dBm/3kHz) | Result |
|--------|---------|----------------|------------------|--------|
| BLE 1M | 0       | -17.590        | ≤8               | PASS   |
| BLE 1M | 19      | -16.160        | ≤8               | PASS   |
| BLE 1M | 39      | -16.180        | ≤8               | PASS   |
| BLE 2M | 0       | -22.110        | ≤8               | PASS   |
| BLE 2M | 19      | -20.590        | ≤8               | PASS   |
| BLE 2M | 39      | -20.670        | ≤8               | PASS   |

### Test Graphs

