

## EXHIBIT A- RADIATED SPURIOUS EMISSION DATA

Note : Transmit frequency is ignore ,mark →

30M-1G

BLE-Horizontal-TX

### Test result

Project Number: Certification

Test Time: 2023-06-10\_10.20.55

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15C

Model: UT55

Work Addition: N.A

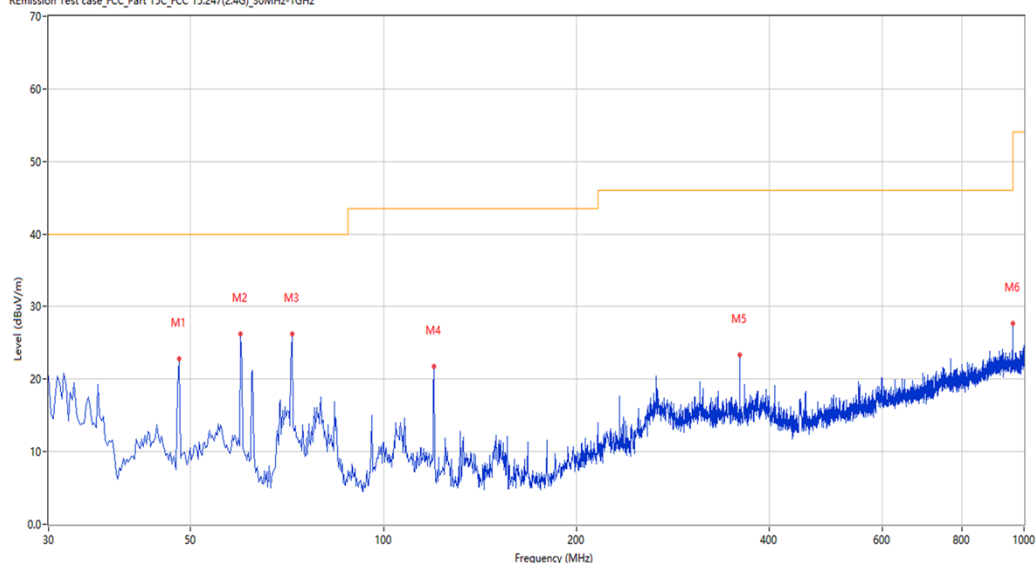
Temp.(oC): 23.4

Load: Full load

Hum.: 53%

Remark: E22110043-03#01

R Emission Test case\_FCC\_Part 15C\_FCC 15.247(2.4G)\_30MHz-1GHz



| No. | Frequency<br>(MHz) | Results<br>(dBuV/m) | Factor<br>(dB) | Limit<br>(dBuV/m) | Margin<br>(dB) | Detector | Table<br>(Degree) | Height<br>(cm) | Antenna    | Verdict |
|-----|--------------------|---------------------|----------------|-------------------|----------------|----------|-------------------|----------------|------------|---------|
| 1   | 47.941             | 22.81               | -25.11         | 40.0              | 17.19          | Peak     | 63.40             | 100            | Horizontal | Pass    |
| 2   | 59.820             | 26.18               | -26.24         | 40.0              | 13.82          | Peak     | 259.10            | 100            | Horizontal | Pass    |
| 3   | 71.942             | 26.21               | -30.08         | 40.0              | 13.79          | Peak     | 88.30             | 100            | Horizontal | Pass    |
| 4   | 119.945            | 21.72               | -28.31         | 43.5              | 21.78          | Peak     | 58.60             | 100            | Horizontal | Pass    |
| 5   | 359.960            | 23.31               | -22.28         | 46.0              | 22.69          | Peak     | 143.80            | 100            | Horizontal | Pass    |
| 6   | 959.998            | 27.67               | -9.30          | 46.0              | 18.33          | Peak     | 93.20             | 100            | Horizontal | Pass    |

## Test result

Project Number: Certification

Test Time: 2023-06-10\_10.24.13

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15C

Model: UT55

Work Addition: N.A

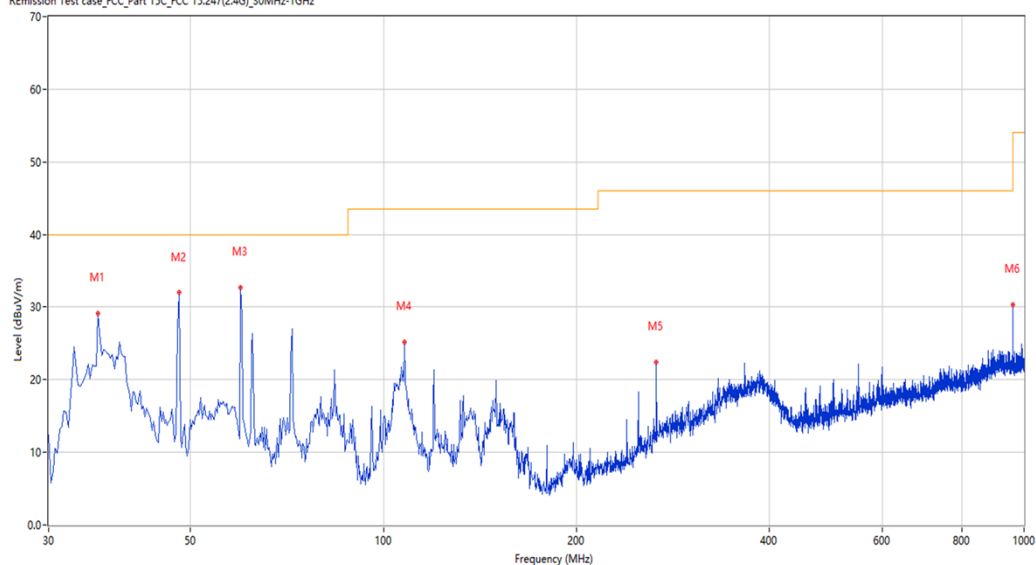
Temp.(oC): 23.4

Load: Full load

Hum.: 53%

Remark: E22110043-03#01

REmission Test case\_FCC\_Part 15C\_FCC 15.247(2.4G)\_30MHz-1GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 35.819          | 29.11            | -27.78      | 40.0           | 10.89       | Peak     | 347.70         | 100         | Vertical | Pass    |
| 2   | 47.941          | 31.97            | -25.11      | 40.0           | 8.03        | Peak     | 151.20         | 100         | Vertical | Pass    |
| 3   | 59.820          | 32.68            | -26.24      | 40.0           | 7.32        | Peak     | 356.00         | 100         | Vertical | Pass    |
| 4   | 107.823         | 25.14            | -26.74      | 43.5           | 18.36       | Peak     | 63.00          | 100         | Vertical | Pass    |
| 5   | 266.378         | 22.42            | -24.47      | 46.0           | 23.58       | Peak     | 66.40          | 100         | Vertical | Pass    |
| 6   | 959.998         | 30.26            | -9.30       | 46.0           | 15.74       | Peak     | 348.40         | 100         | Vertical | Pass    |

1-18G

BLE-Middle channel-Horizontal-TX

## Test result

Project Number: Certification

Test Time: 2023-06-10\_11.05.46

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15C

Model: UT55

Work Addition: TX

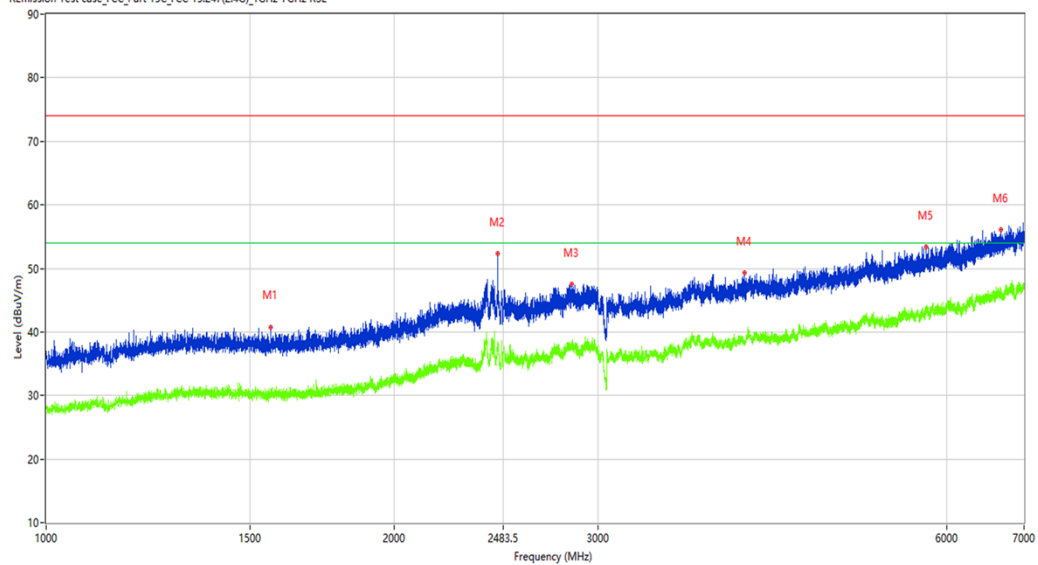
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-03#01

REmission Test case\_FCC\_Part 15C\_FCC 15.247(2.4G)\_1GHz-7GHz RSE



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 1562.750        | 40.79            | -12.98      | 74.0           | 33.21       | Peak     | 318.60         | 100         | Horizontal | Pass    |
| 1** | 1562.750        | 30.94            | -12.98      | 54.0           | 23.06       | AV       | 318.60         | 100         | Horizontal | Pass    |
| 2   | 2455.000        | 52.38            | -5.45       | 74.0           | 21.62       | Peak     | 216.60         | 100         | Horizontal | Pass    |
| 2** | 2455.000        | 37.52            | -5.45       | 54.0           | 16.48       | AV       | 216.60         | 100         | Horizontal | Pass    |
| 3   | 2847.500        | 47.47            | -3.86       | 74.0           | 26.53       | Peak     | 200.20         | 100         | Horizontal | Pass    |
| 3** | 2847.500        | 38.21            | -3.86       | 54.0           | 15.79       | AV       | 200.20         | 100         | Horizontal | Pass    |
| 4   | 4014.000        | 49.31            | -1.02       | 74.0           | 24.69       | Peak     | 292.30         | 100         | Horizontal | Pass    |
| 4** | 4014.000        | 38.49            | -1.02       | 54.0           | 15.51       | AV       | 292.30         | 100         | Horizontal | Pass    |
| 5   | 5757.000        | 53.42            | 2.09        | 74.0           | 20.58       | Peak     | 184.80         | 100         | Horizontal | Pass    |
| 5** | 5757.000        | 42.77            | 2.09        | 54.0           | 11.23       | AV       | 184.80         | 100         | Horizontal | Pass    |
| 6   | 6689.000        | 56.07            | 4.49        | 74.0           | 17.93       | Peak     | 55.70          | 100         | Horizontal | Pass    |
| 6** | 6689.000        | 45.95            | 4.49        | 54.0           | 8.05        | AV       | 55.70          | 100         | Horizontal | Pass    |

## Test result

Project Number: Certification

Test Time: 2023-06-10\_17.08.14

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15C

Model: UT55

Work Addition: TX

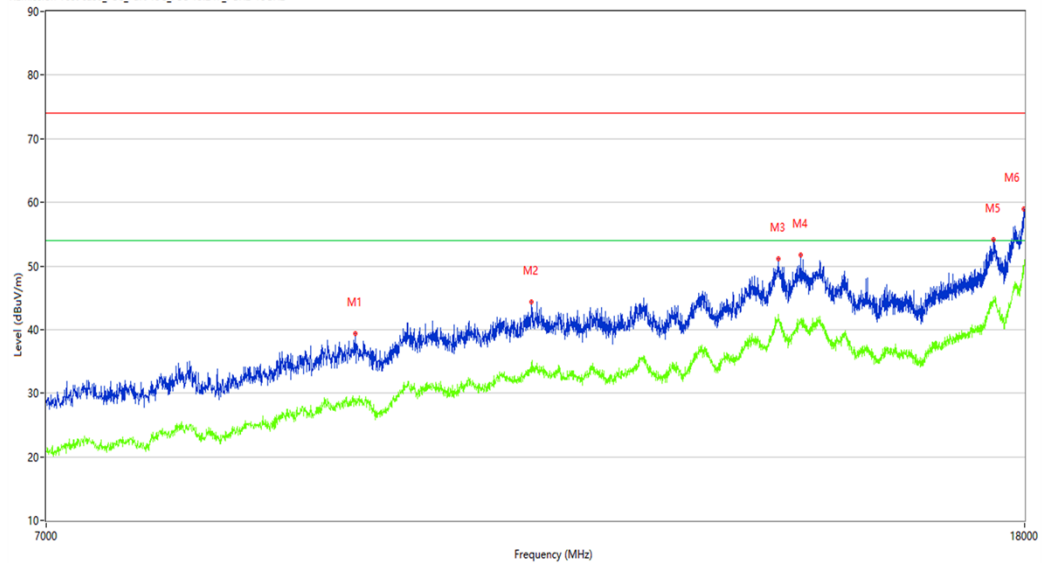
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-03#01

R Emission Test case FCC\_Part 15C\_FCC 15.247\_7GHz-18GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 9433.750        | 39.37            | 7.61        | 74.0           | 34.63       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 1** | 9433.750        | 28.88            | 7.61        | 54.0           | 25.12       | AV       | 0.00           | 100         | Horizontal | Pass    |
| 2   | 11185.500       | 44.41            | 11.14       | 74.0           | 29.59       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 2** | 11185.500       | 34.50            | 11.14       | 54.0           | 19.50       | AV       | 0.00           | 100         | Horizontal | Pass    |
| 3   | 14191.250       | 51.14            | 19.69       | 74.0           | 22.86       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 3** | 14191.250       | 41.95            | 19.69       | 54.0           | 12.05       | AV       | 0.00           | 100         | Horizontal | Pass    |
| 4   | 14496.500       | 51.71            | 17.73       | 74.0           | 22.29       | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 4** | 14496.500       | 41.60            | 17.73       | 54.0           | 12.40       | AV       | 0.00           | 100         | Horizontal | Pass    |
| 5   | 17474.750       | 54.20            | 21.34       | 74.0           | 19.80       | Peak     | 1.44           | 100         | Horizontal | Pass    |
| 5** | 17474.750       | 45.14            | 21.34       | 54.0           | 8.86        | AV       | 1.44           | 100         | Horizontal | Pass    |
| 6   | 17986.251       | 58.98            | 27.07       | 74.0           | 15.02       | Peak     | 1.44           | 100         | Horizontal | Pass    |
| 6** | 17986.251       | 49.69            | 27.07       | 54.0           | 4.31        | AV       | 1.44           | 100         | Horizontal | Pass    |

## BLE-Middle channel-Vertical-TX

### Test result

Project Number: Certification

Test Time: 2023-06-10\_11.00.42

EUT Name: N.A

Manufacturer: N.A

Model: UT55

Temp.(oC): 24.1

Hum.: 52%

Test Engineer: LYG

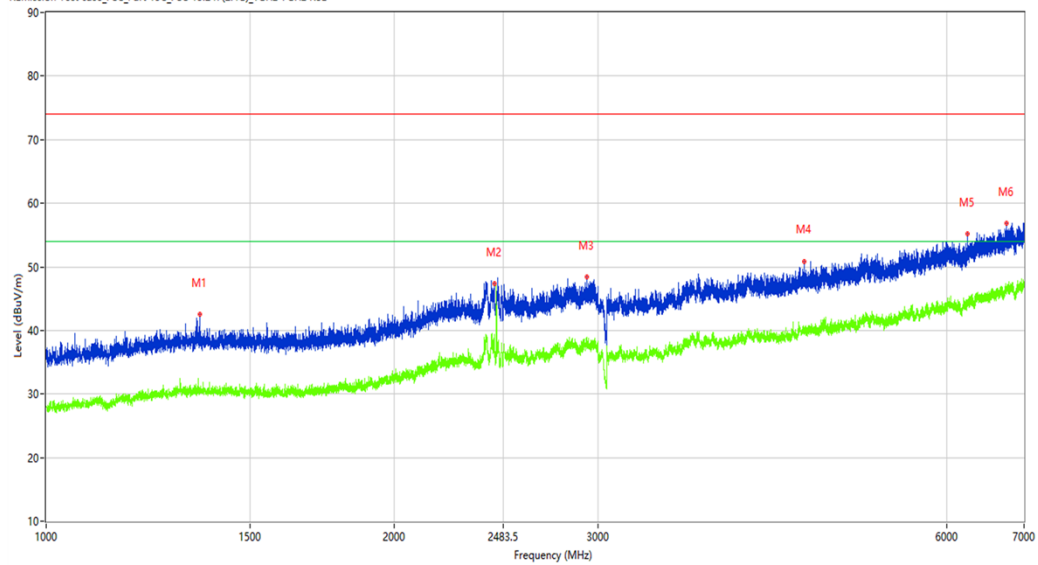
Test Standard: FCC Part 15C

Work Addition: TX

Load: Full load

Remark: E22110043-03#01

REmission Test case\_FCC\_Part 15C\_FCC 15.247(2.4G)\_1GHz-7GHz RSE



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 1357.500        | 42.51            | -12.65      | 74.0           | 31.49       | Peak     | 186.70         | 100         | Vertical | Pass    |
| 1** | 1357.500        | 30.86            | -12.65      | 54.0           | 23.14       | AV       | 186.70         | 100         | Vertical | Pass    |
| 2   | 2440.000        | 47.31            | -5.15       | 74.0           | 26.69       | Peak     | 152.80         | 100         | Vertical | Pass    |
| 2** | 2440.000        | 38.55            | -5.15       | 54.0           | 15.45       | AV       | 152.80         | 100         | Vertical | Pass    |
| 3   | 2930.500        | 48.43            | -4.30       | 74.0           | 25.57       | Peak     | 318.60         | 100         | Vertical | Pass    |
| 3** | 2930.500        | 38.97            | -4.30       | 54.0           | 15.03       | AV       | 318.60         | 100         | Vertical | Pass    |
| 4   | 4518.500        | 50.89            | -0.15       | 74.0           | 23.11       | Peak     | 214.20         | 100         | Vertical | Pass    |
| 4** | 4518.500        | 39.77            | -0.15       | 54.0           | 14.23       | AV       | 214.20         | 100         | Vertical | Pass    |
| 5   | 6259.000        | 55.27            | 2.97        | 74.0           | 18.73       | Peak     | 198.20         | 100         | Vertical | Pass    |
| 5** | 6259.000        | 44.22            | 2.97        | 54.0           | 9.78        | AV       | 198.20         | 100         | Vertical | Pass    |
| 6   | 6757.500        | 56.80            | 4.93        | 74.0           | 17.20       | Peak     | 182.50         | 100         | Vertical | Pass    |
| 6** | 6757.500        | 46.49            | 4.93        | 54.0           | 7.51        | AV       | 182.50         | 100         | Vertical | Pass    |

## Test result

Project Number: Certification

Test Time: 2023-06-10\_17.18.16

EUT Name: N.A

Test Engineer: LYG

Manufacturer: N.A

Test Standard: FCC Part 15C

Model: UT55

Work Addition: TX

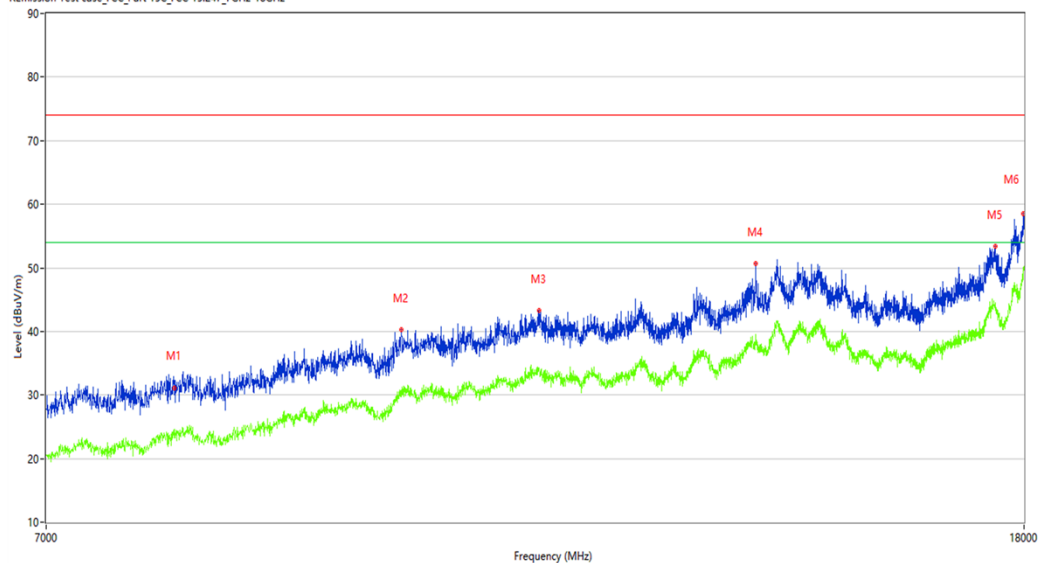
Temp.(oC): 24.1

Load: Full load

Hum.: 52%

Remark: E22110043-03#01

REmission Test case FCC\_Part 15C\_FCC 15.247\_7GHz-18GHz



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 7924.000        | 34.76            | 3.16        | 74.0           | 39.24       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 1** | 7924.000        | 24.53            | 3.16        | 54.0           | 29.47       | AV       | 0.00           | 100         | Vertical | Pass    |
| 2   | 9865.500        | 40.24            | 9.13        | 74.0           | 33.76       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 2** | 9865.500        | 30.55            | 9.13        | 54.0           | 23.45       | AV       | 0.00           | 100         | Vertical | Pass    |
| 3   | 11270.750       | 43.25            | 12.16       | 74.0           | 30.75       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 3** | 11270.750       | 34.09            | 12.16       | 54.0           | 19.91       | AV       | 0.00           | 100         | Vertical | Pass    |
| 4   | 13894.250       | 50.65            | 15.48       | 74.0           | 23.35       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 4** | 13894.250       | 39.56            | 15.48       | 54.0           | 14.44       | AV       | 0.00           | 100         | Vertical | Pass    |
| 5   | 17507.750       | 53.43            | 21.01       | 74.0           | 20.57       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 5** | 17507.750       | 44.32            | 21.01       | 54.0           | 9.68        | AV       | 0.00           | 100         | Vertical | Pass    |
| 6   | 17983.500       | 58.55            | 26.90       | 74.0           | 15.45       | Peak     | 0.00           | 100         | Vertical | Pass    |
| 6** | 17983.500       | 50.10            | 26.90       | 54.0           | 3.90        | AV       | 0.00           | 100         | Vertical | Pass    |

## BLE-Band edge -High channel- Horizontal –TX

### Test result

Project Number: Certification

Test Time: 2023-06-10\_18.01.57

EUT Name: N.A

Manufacturer: N.A

Model: UT55

Temp.(oC): 24.1

Hum.: 52%

Test Engineer: LYG

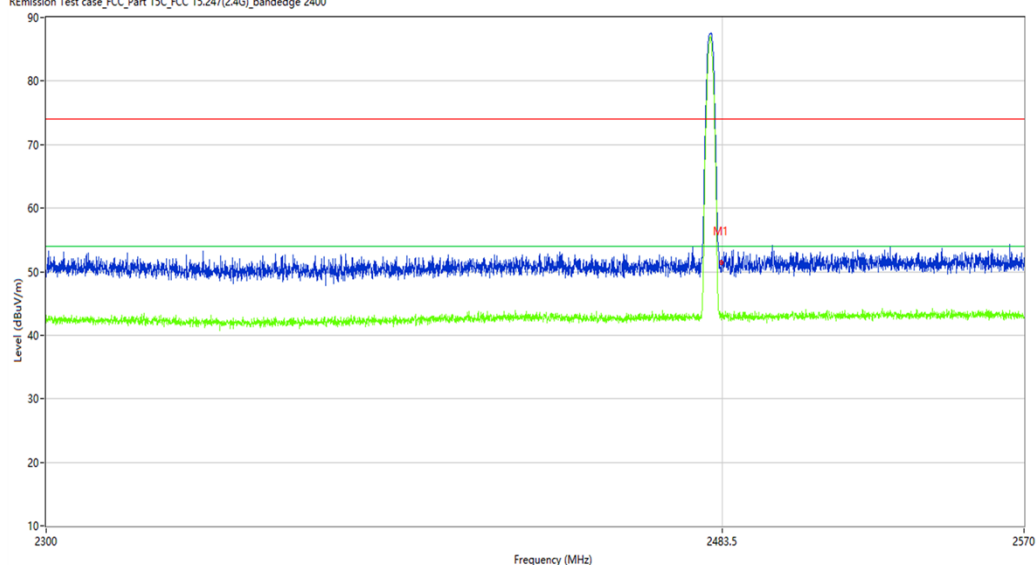
Test Standard: FCC Part 15C

Work Addition: TX

Load: Full load

Remark: E22110043-03#01

REmission Test case\_FCC\_Part 15C\_FCC 15.247(2.4G)\_bandedge 2400



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 51.55            | -9.51       | 74.0           | 22.45       | Peak     | 1.87           | 100         | Horizontal | Pass    |
| 1** | 2483.500        | 43.25            | -9.51       | 54.0           | 10.75       | AV       | 1.87           | 100         | Horizontal | Pass    |

## BLE-Band edge -High channel- Vertical –TX

### Test result

Project Number: Certification

Test Time: 2023-06-10\_18.00.39

EUT Name: N.A

Manufacturer: N.A

Model: UT55

Temp.(oC): 24.1

Hum.: 52%

Test Engineer: LYG

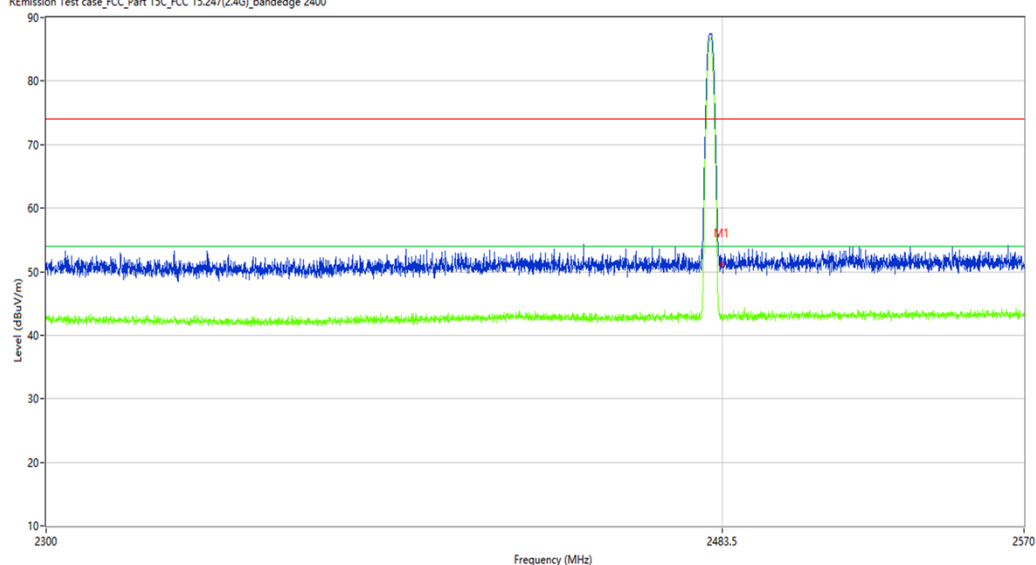
Test Standard: FCC Part 15C

Work Addition: TX

Load: Full load

Remark: E22110043-03#01

R Emission Test case\_FCC\_Part 15C\_FCC 15.247(2.4G)\_bandedge 2400



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Margin (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-------------|----------|----------------|-------------|----------|---------|
| 1   | 2483.500        | 51.06            | -9.51       | 74.0           | 22.94       | Peak     | 1.49           | 100         | Vertical | Pass    |
| 1** | 2483.500        | 42.96            | -9.51       | 54.0           | 11.04       | AV       | 1.49           | 100         | Vertical | Pass    |