

# TEST REPORT

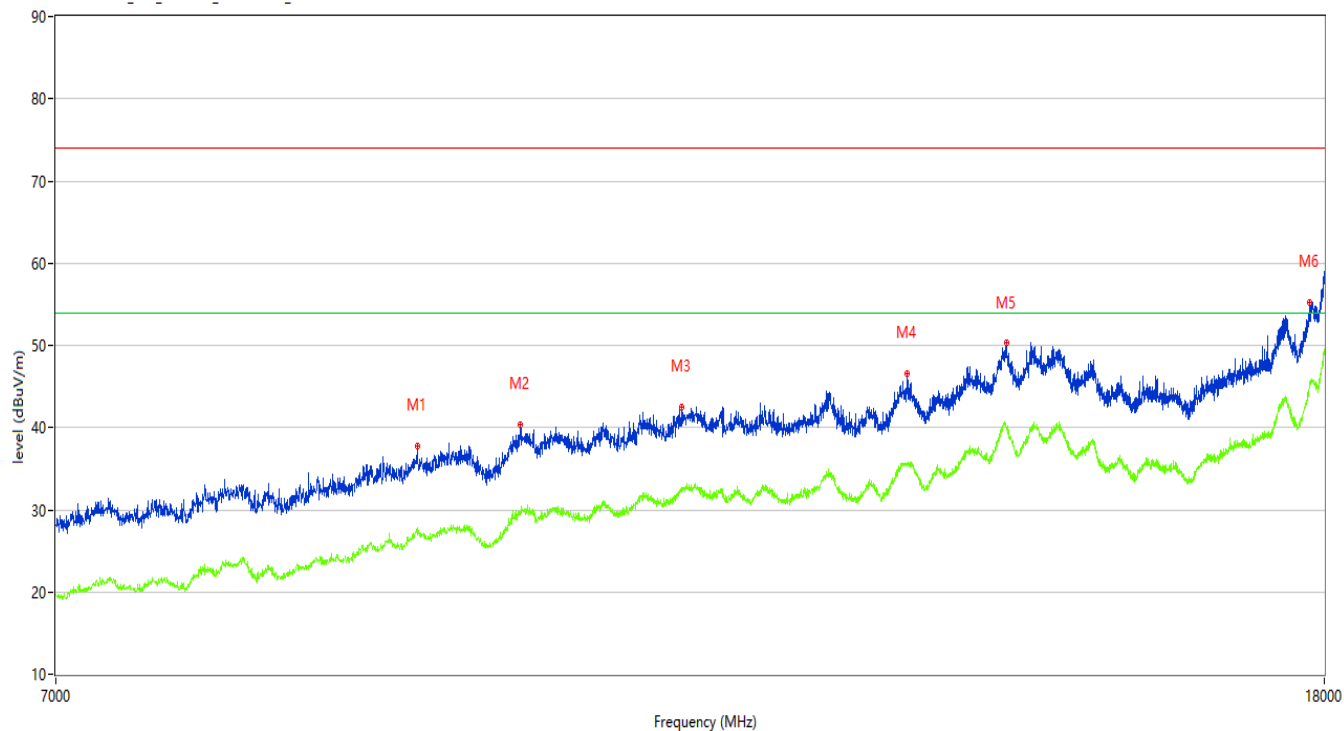
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Vertical polarization

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



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 9161.500        | 37.69            | 7.39        | 74.0           | -36.31          | Peak     | 115.50         | 100         | Vertical | Pass    |
| 1** | 9161.500        | 26.95            | 7.39        | 54.0           | -27.05          | AV       | 115.50         | 100         | Vertical | Pass    |
| 2   | 9890.250        | 40.42            | 9.54        | 74.0           | -33.58          | Peak     | 53.30          | 100         | Vertical | Pass    |
| 2** | 9890.250        | 29.77            | 9.54        | 54.0           | -24.23          | AV       | 53.30          | 100         | Vertical | Pass    |
| 3   | 11155.250       | 42.47            | 10.90       | 74.0           | -31.53          | Peak     | 213.00         | 100         | Vertical | Pass    |
| 3** | 11155.250       | 32.24            | 10.90       | 54.0           | -21.76          | AV       | 213.00         | 100         | Vertical | Pass    |
| 4   | 13190.250       | 46.57            | 14.06       | 74.0           | -27.43          | Peak     | 1.80           | 100         | Vertical | Pass    |
| 4** | 13190.250       | 35.58            | 14.06       | 54.0           | -18.42          | AV       | 1.80           | 100         | Vertical | Pass    |
| 5   | 14210.500       | 50.28            | 19.26       | 74.0           | -23.72          | Peak     | 28.80          | 100         | Vertical | Pass    |
| 5** | 14210.500       | 39.84            | 19.26       | 54.0           | -14.16          | AV       | 28.80          | 100         | Vertical | Pass    |
| 6   | 17810.250       | 55.22            | 21.98       | 74.0           | -18.78          | Peak     | 0.00           | 100         | Vertical | Pass    |
| 6** | 17810.250       | 45.43            | 21.98       | 54.0           | -8.57           | AV       | 0.00           | 100         | Vertical | Pass    |

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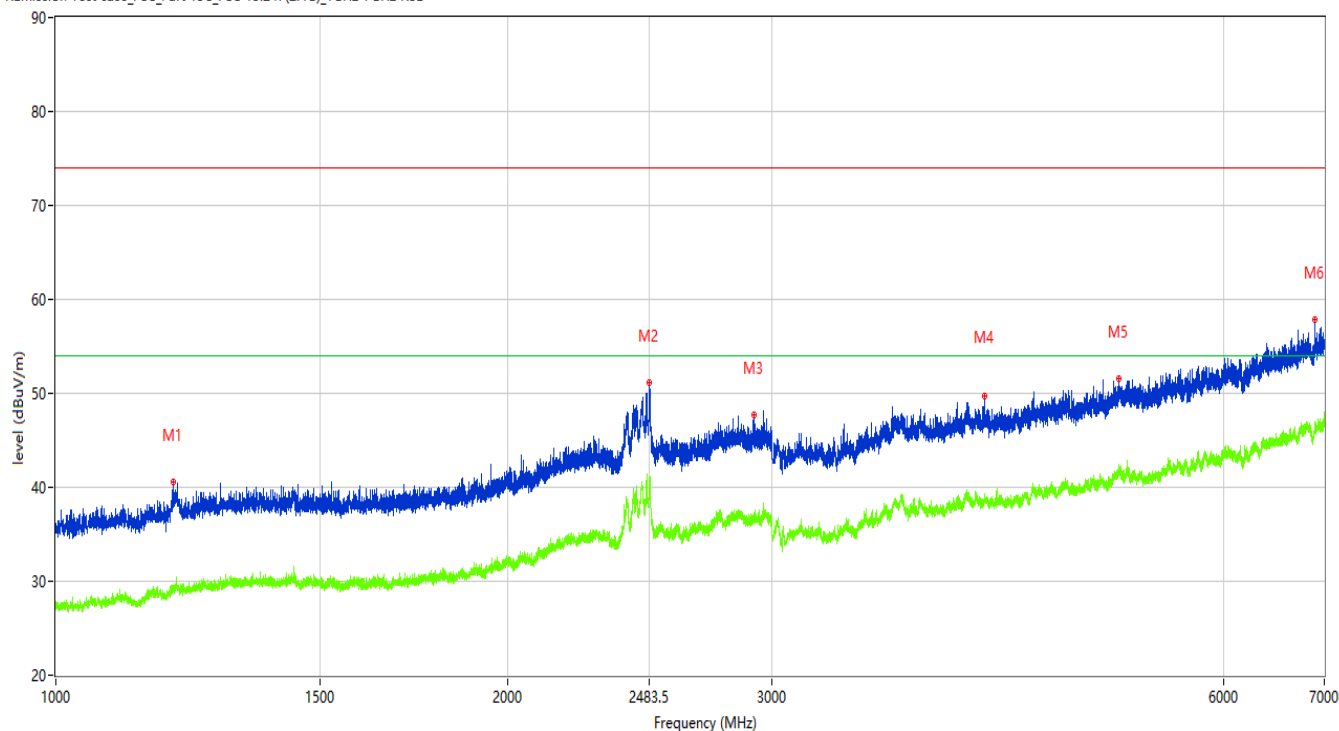
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**Figure 28: Radiated Emission, BLE-1M, 2440MHz\_1GHz\_7GHz**  
Horizontal polarization

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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1197.475        | 40.52            | -13.49      | 74.0           | -33.48          | Peak     | 348.30         | 100         | Horizontal | Pass    |
| 1** | 1197.475        | 29.56            | -13.49      | 54.0           | -24.44          | AV       | 348.30         | 100         | Horizontal | Pass    |
| 2   | 2486.064        | 51.19            | -1.91       | 74.0           | -22.81          | Peak     | 288.70         | 100         | Horizontal | Pass    |
| 2** | 2486.064        | 40.33            | -1.91       | 54.0           | -13.67          | AV       | 288.70         | 100         | Horizontal | Pass    |
| 3   | 2916.260        | 47.74            | -4.09       | 74.0           | -26.26          | Peak     | 136.70         | 100         | Horizontal | Pass    |
| 3** | 2916.260        | 36.73            | -4.09       | 54.0           | -17.27          | AV       | 136.70         | 100         | Horizontal | Pass    |
| 4   | 4156.355        | 49.67            | -1.33       | 74.0           | -24.33          | Peak     | 100.40         | 100         | Horizontal | Pass    |
| 4** | 4156.355        | 38.33            | -1.33       | 54.0           | -15.67          | AV       | 100.40         | 100         | Horizontal | Pass    |
| 5   | 5104.737        | 51.54            | 1.30        | 74.0           | -22.46          | Peak     | 59.90          | 100         | Horizontal | Pass    |
| 5** | 5104.737        | 40.93            | 1.30        | 54.0           | -13.07          | AV       | 59.90          | 100         | Horizontal | Pass    |
| 6   | 6902.012        | 57.86            | 5.08        | 74.0           | -16.14          | Peak     | 241.50         | 100         | Horizontal | Pass    |
| 6** | 6902.012        | 47.00            | 5.08        | 54.0           | -7.00           | AV       | 241.50         | 100         | Horizontal | Pass    |

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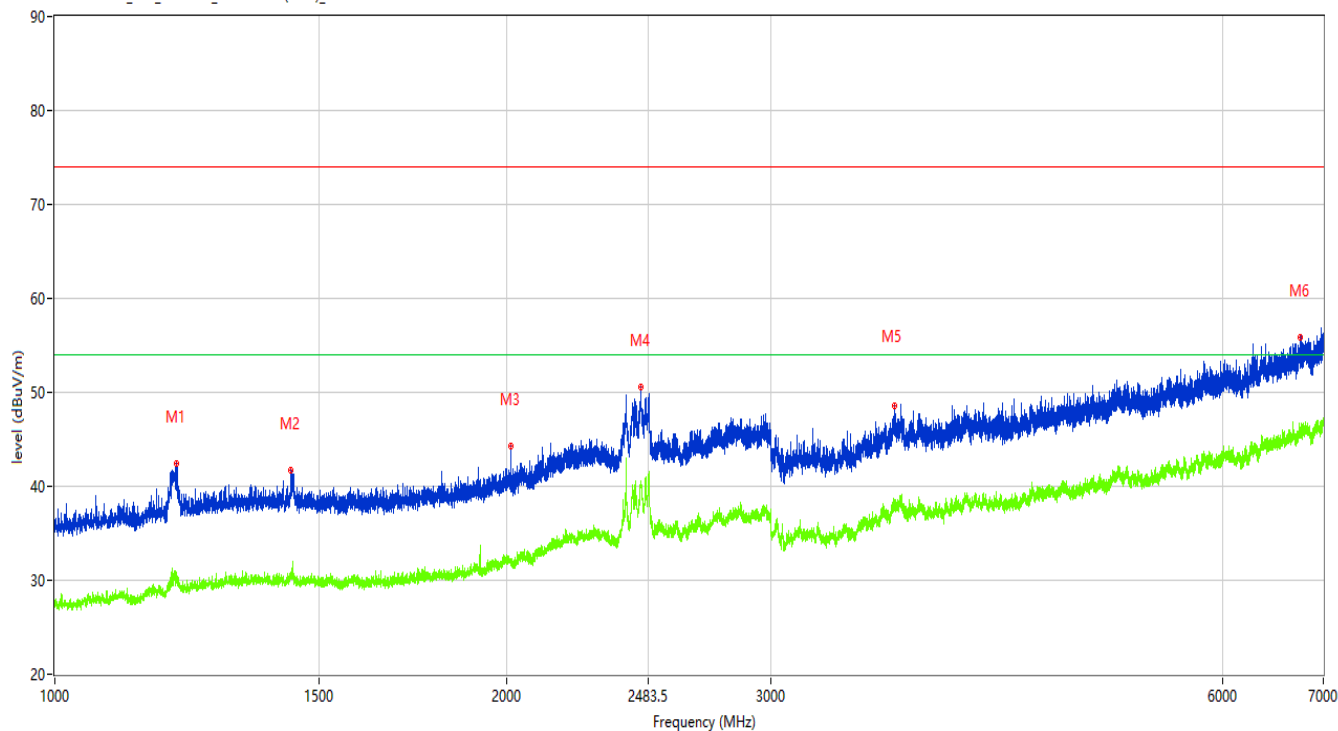
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## Vertical polarization

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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1205.724        | 42.37            | -13.59      | 74.0           | -31.63          | Peak     | 134.80         | 100         | Vertical | Pass    |
| 1** | 1205.724        | 30.13            | -13.59      | 54.0           | -23.87          | AV       | 134.80         | 100         | Vertical | Pass    |
| 2   | 1435.446        | 41.71            | -12.66      | 74.0           | -32.29          | Peak     | 121.10         | 100         | Vertical | Pass    |
| 2** | 1435.446        | 30.85            | -12.66      | 54.0           | -23.15          | AV       | 121.10         | 100         | Vertical | Pass    |
| 3   | 2012.123        | 44.30            | -10.78      | 74.0           | -29.70          | Peak     | 267.30         | 100         | Vertical | Pass    |
| 3** | 2012.123        | 31.60            | -10.78      | 54.0           | -22.40          | AV       | 267.30         | 100         | Vertical | Pass    |
| 4   | 2456.318        | 50.64            | -2.65       | 74.0           | -23.36          | Peak     | 50.00          | 100         | Vertical | Pass    |
| 4** | 2456.318        | 40.51            | -2.65       | 54.0           | -13.49          | AV       | 50.00          | 100         | Vertical | Pass    |
| 5   | 3625.922        | 48.57            | -1.59       | 74.0           | -25.43          | Peak     | 359.80         | 100         | Vertical | Pass    |
| 5** | 3625.922        | 38.26            | -1.59       | 54.0           | -15.74          | AV       | 359.80         | 100         | Vertical | Pass    |
| 6   | 6759.030        | 55.87            | 4.94        | 74.0           | -18.13          | Peak     | 359.20         | 100         | Vertical | Pass    |
| 6** | 6759.030        | 46.29            | 4.94        | 54.0           | -7.71           | AV       | 359.20         | 100         | Vertical | Pass    |

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**Figure 29: Radiated Emission, BLE-1M, 2440MHz\_7GHz\_18GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 9378.750        | 38.35            | 7.64        | 74.0           | -35.65          | Peak     | 76.00          | 100         | Horizontal | Pass    |
| 1** | 9378.750        | 27.94            | 7.64        | 54.0           | -26.06          | AV       | 76.00          | 100         | Horizontal | Pass    |
| 2   | 10247.750       | 40.70            | 9.28        | 74.0           | -33.30          | Peak     | 303.80         | 100         | Horizontal | Pass    |
| 2** | 10247.750       | 29.34            | 9.28        | 54.0           | -24.66          | AV       | 303.80         | 100         | Horizontal | Pass    |
| 3   | 11254.250       | 42.64            | 11.95       | 74.0           | -31.36          | Peak     | 1.10           | 100         | Horizontal | Pass    |
| 3** | 11254.250       | 32.85            | 11.95       | 54.0           | -21.15          | AV       | 1.10           | 100         | Horizontal | Pass    |
| 4   | 12442.250       | 44.20            | 12.47       | 74.0           | -29.80          | Peak     | 336.90         | 100         | Horizontal | Pass    |
| 4** | 12442.250       | 35.05            | 12.47       | 54.0           | -18.95          | AV       | 336.90         | 100         | Horizontal | Pass    |
| 5   | 14199.500       | 52.29            | 19.51       | 74.0           | -21.71          | Peak     | 336.90         | 100         | Horizontal | Pass    |
| 5** | 14199.500       | 40.38            | 19.51       | 54.0           | -13.62          | AV       | 336.90         | 100         | Horizontal | Pass    |
| 6   | 17977.999       | 58.32            | 26.56       | 74.0           | -15.68          | Peak     | 144.50         | 100         | Horizontal | Pass    |
| 6** | 17977.999       | 47.84            | 26.56       | 54.0           | -6.16           | AV       | 144.50         | 100         | Horizontal | Pass    |

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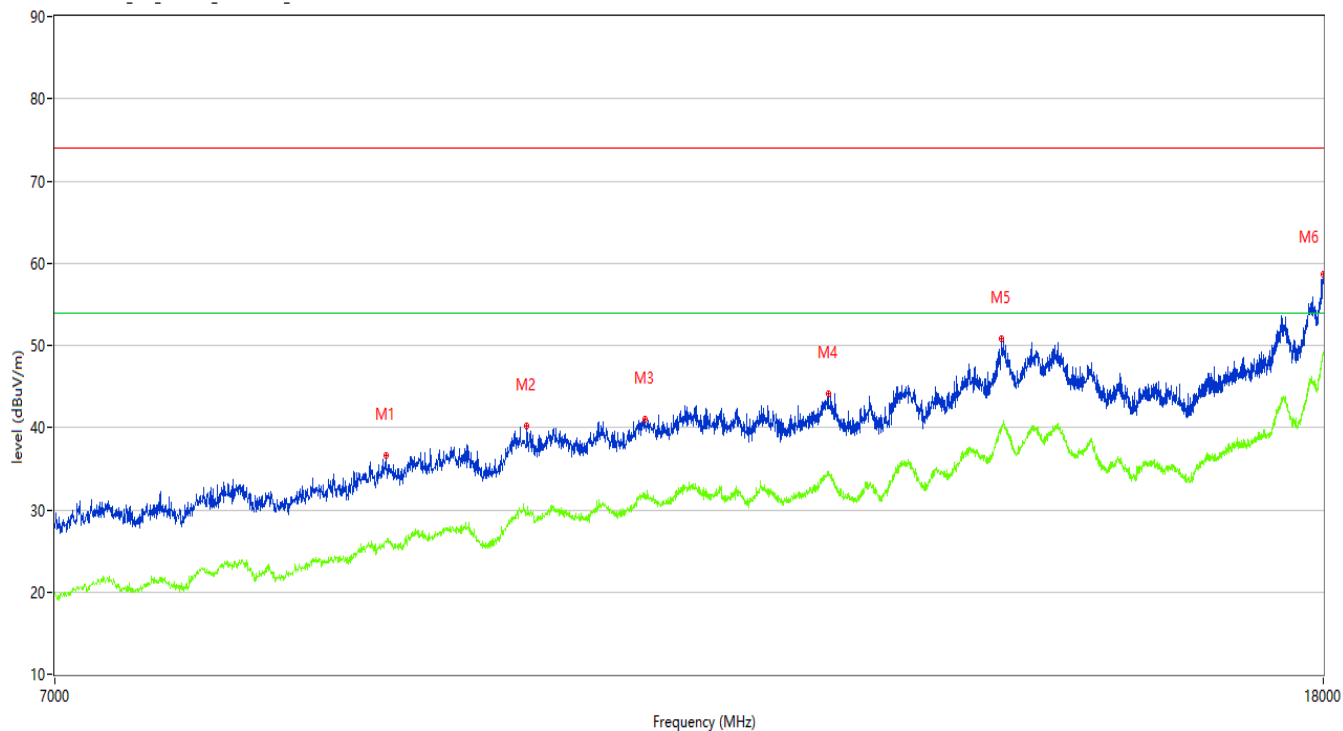
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Vertical polarization

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



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 8955.250        | 36.63            | 7.32        | 74.0           | -37.37          | Peak     | 327.60         | 100         | Vertical | Pass    |
| 1** | 8955.250        | 26.20            | 7.32        | 54.0           | -27.80          | AV       | 327.60         | 100         | Vertical | Pass    |
| 2   | 9945.250        | 40.22            | 9.73        | 74.0           | -33.78          | Peak     | 339.10         | 100         | Vertical | Pass    |
| 2** | 9945.250        | 29.63            | 9.73        | 54.0           | -24.37          | AV       | 339.10         | 100         | Vertical | Pass    |
| 3   | 10866.500       | 41.02            | 11.12       | 74.0           | -32.98          | Peak     | 186.10         | 100         | Vertical | Pass    |
| 3** | 10866.500       | 31.95            | 11.12       | 54.0           | -22.05          | AV       | 186.10         | 100         | Vertical | Pass    |
| 4   | 12450.500       | 44.11            | 12.51       | 74.0           | -29.89          | Peak     | 104.90         | 100         | Vertical | Pass    |
| 4** | 12450.500       | 34.19            | 12.51       | 54.0           | -19.81          | AV       | 104.90         | 100         | Vertical | Pass    |
| 5   | 14163.750       | 50.77            | 18.99       | 74.0           | -23.23          | Peak     | 163.70         | 100         | Vertical | Pass    |
| 5** | 14163.750       | 39.96            | 18.99       | 54.0           | -14.04          | AV       | 163.70         | 100         | Vertical | Pass    |
| 6   | 17999.999       | 58.65            | 27.92       | 74.0           | -15.35          | Peak     | 209.90         | 100         | Vertical | Pass    |
| 6** | 17999.999       | 49.20            | 27.92       | 54.0           | -4.80           | AV       | 209.90         | 100         | Vertical | Pass    |

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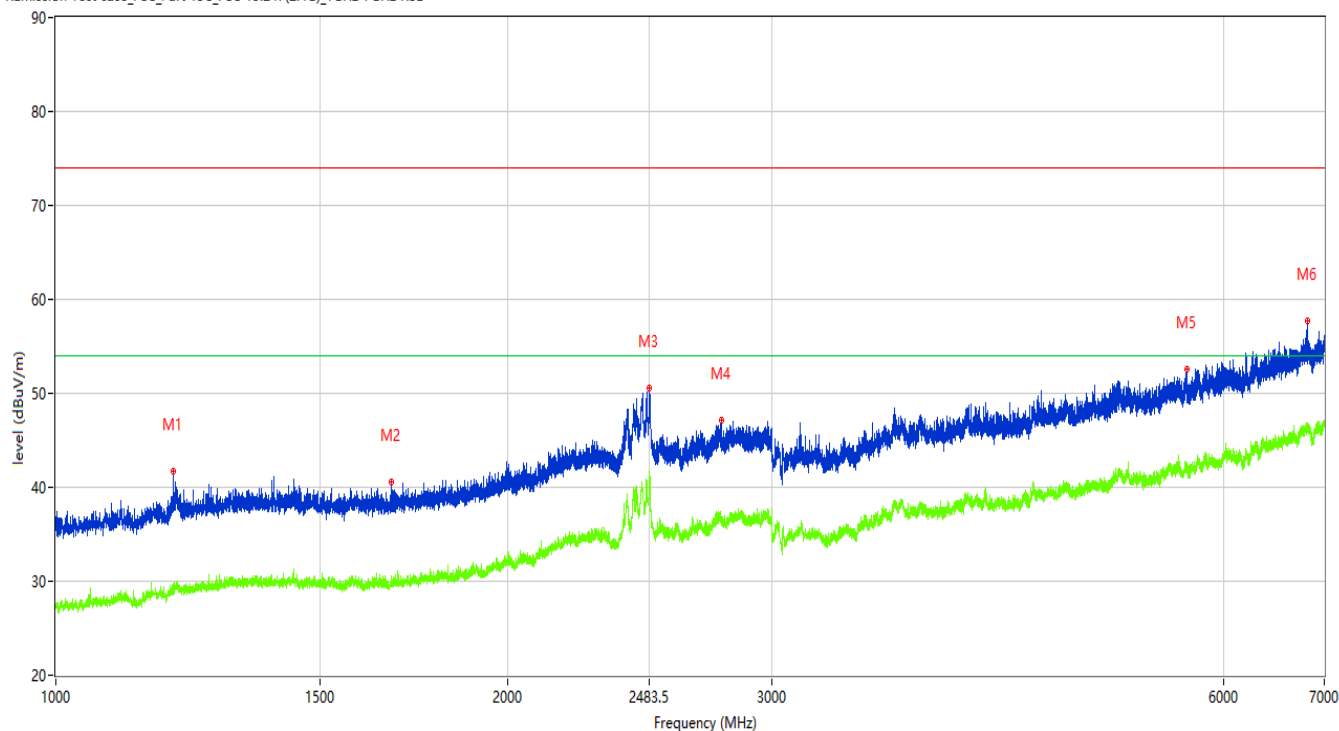
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**Figure 30: Radiated Emission, BLE-1M, 2480MHz\_1GHz\_7GHz**  
Horizontal polarization

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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1197.725        | 41.74            | -13.49      | 74.0           | -32.26          | Peak     | 0.80           | 100         | Horizontal | Pass    |
| 1** | 1197.725        | 29.22            | -13.49      | 54.0           | -24.78          | AV       | 0.80           | 100         | Horizontal | Pass    |
| 2   | 1672.666        | 40.62            | -13.07      | 74.0           | -33.38          | Peak     | 23.50          | 100         | Horizontal | Pass    |
| 2** | 1672.666        | 29.88            | -13.07      | 54.0           | -24.12          | AV       | 23.50          | 100         | Horizontal | Pass    |
| 3   | 2486.564        | 50.55            | -1.90       | 74.0           | -23.45          | Peak     | 208.10         | 100         | Horizontal | Pass    |
| 3** | 2486.564        | 40.83            | -1.90       | 54.0           | -13.17          | AV       | 208.10         | 100         | Horizontal | Pass    |
| 4   | 2774.528        | 47.08            | -4.51       | 74.0           | -26.92          | Peak     | 65.90          | 100         | Horizontal | Pass    |
| 4** | 2774.528        | 36.27            | -4.51       | 54.0           | -17.73          | AV       | 65.90          | 100         | Horizontal | Pass    |
| 5   | 5667.167        | 52.55            | 1.51        | 74.0           | -21.45          | Peak     | 34.50          | 100         | Horizontal | Pass    |
| 5** | 5667.167        | 42.22            | 1.51        | 54.0           | -11.78          | AV       | 34.50          | 100         | Horizontal | Pass    |
| 6   | 6817.023        | 57.78            | 5.12        | 74.0           | -16.22          | Peak     | 1.60           | 100         | Horizontal | Pass    |
| 6** | 6817.023        | 45.93            | 5.12        | 54.0           | -8.07           | AV       | 1.60           | 100         | Horizontal | Pass    |

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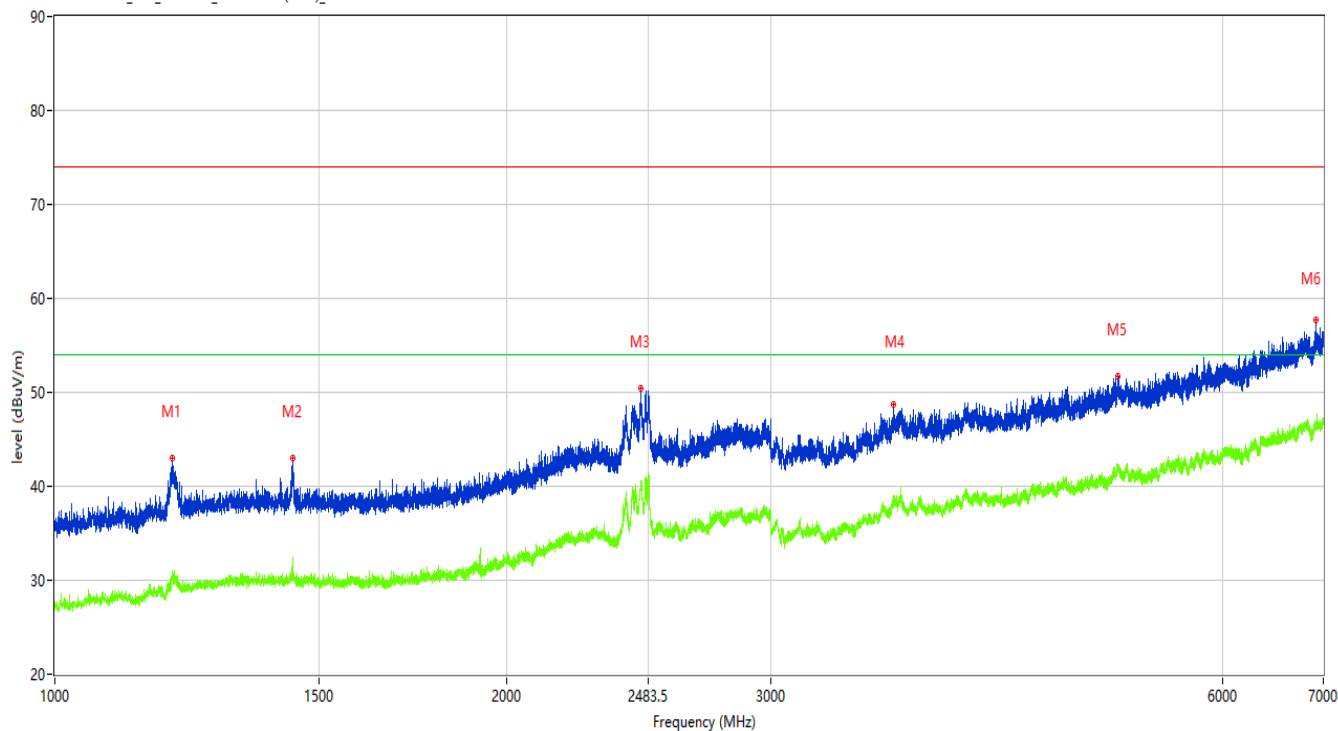
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## Vertical polarization

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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1197.725        | 43.07            | -13.49      | 74.0           | -30.93          | Peak     | 350.40         | 100         | Vertical | Pass    |
| 1** | 1197.725        | 31.04            | -13.49      | 54.0           | -22.96          | AV       | 350.40         | 100         | Vertical | Pass    |
| 2   | 1440.445        | 43.06            | -12.73      | 74.0           | -30.94          | Peak     | 283.80         | 100         | Vertical | Pass    |
| 2** | 1440.445        | 31.18            | -12.73      | 54.0           | -22.82          | AV       | 283.80         | 100         | Vertical | Pass    |
| 3   | 2455.568        | 50.42            | -2.67       | 74.0           | -23.58          | Peak     | 76.10          | 100         | Vertical | Pass    |
| 3** | 2455.568        | 40.43            | -2.67       | 54.0           | -13.57          | AV       | 76.10          | 100         | Vertical | Pass    |
| 4   | 3621.422        | 48.77            | -1.67       | 74.0           | -25.23          | Peak     | 219.00         | 100         | Vertical | Pass    |
| 4** | 3621.422        | 38.23            | -1.67       | 54.0           | -15.77          | AV       | 219.00         | 100         | Vertical | Pass    |
| 5   | 5104.737        | 51.75            | 1.30        | 74.0           | -22.25          | Peak     | 281.20         | 100         | Vertical | Pass    |
| 5** | 5104.737        | 41.57            | 1.30        | 54.0           | -12.43          | AV       | 281.20         | 100         | Vertical | Pass    |
| 6   | 6927.009        | 57.67            | 5.09        | 74.0           | -16.33          | Peak     | 174.70         | 100         | Vertical | Pass    |
| 6** | 6927.009        | 46.27            | 5.09        | 54.0           | -7.73           | AV       | 174.70         | 100         | Vertical | Pass    |

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**Figure 31: Radiated Emission, BLE-1M, 2480MHz\_7GHz\_18GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 7951.500        | 35.33            | 3.38        | 74.0           | -38.67          | Peak     | 274.70         | 100         | Horizontal | Pass    |
| 1** | 7951.500        | 23.44            | 3.38        | 54.0           | -30.56          | AV       | 274.70         | 100         | Horizontal | Pass    |
| 2   | 9838.000        | 40.03            | 8.72        | 74.0           | -33.97          | Peak     | 358.90         | 100         | Horizontal | Pass    |
| 2** | 9838.000        | 29.45            | 8.72        | 54.0           | -24.55          | AV       | 358.90         | 100         | Horizontal | Pass    |
| 3   | 11895.000       | 44.44            | 11.97       | 74.0           | -29.56          | Peak     | 2.20           | 100         | Horizontal | Pass    |
| 3** | 11895.000       | 32.32            | 11.97       | 54.0           | -21.68          | AV       | 2.20           | 100         | Horizontal | Pass    |
| 4   | 14185.750       | 51.33            | 19.69       | 74.0           | -22.67          | Peak     | 263.90         | 100         | Horizontal | Pass    |
| 4** | 14185.750       | 40.70            | 19.69       | 54.0           | -13.30          | AV       | 263.90         | 100         | Horizontal | Pass    |
| 5   | 14507.500       | 50.01            | 17.65       | 74.0           | -23.99          | Peak     | 182.80         | 100         | Horizontal | Pass    |
| 5** | 14507.500       | 40.14            | 17.65       | 54.0           | -13.86          | AV       | 182.80         | 100         | Horizontal | Pass    |
| 6   | 17977.999       | 58.30            | 26.56       | 74.0           | -15.70          | Peak     | 228.20         | 100         | Horizontal | Pass    |
| 6** | 17977.999       | 47.59            | 26.56       | 54.0           | -6.41           | AV       | 228.20         | 100         | Horizontal | Pass    |



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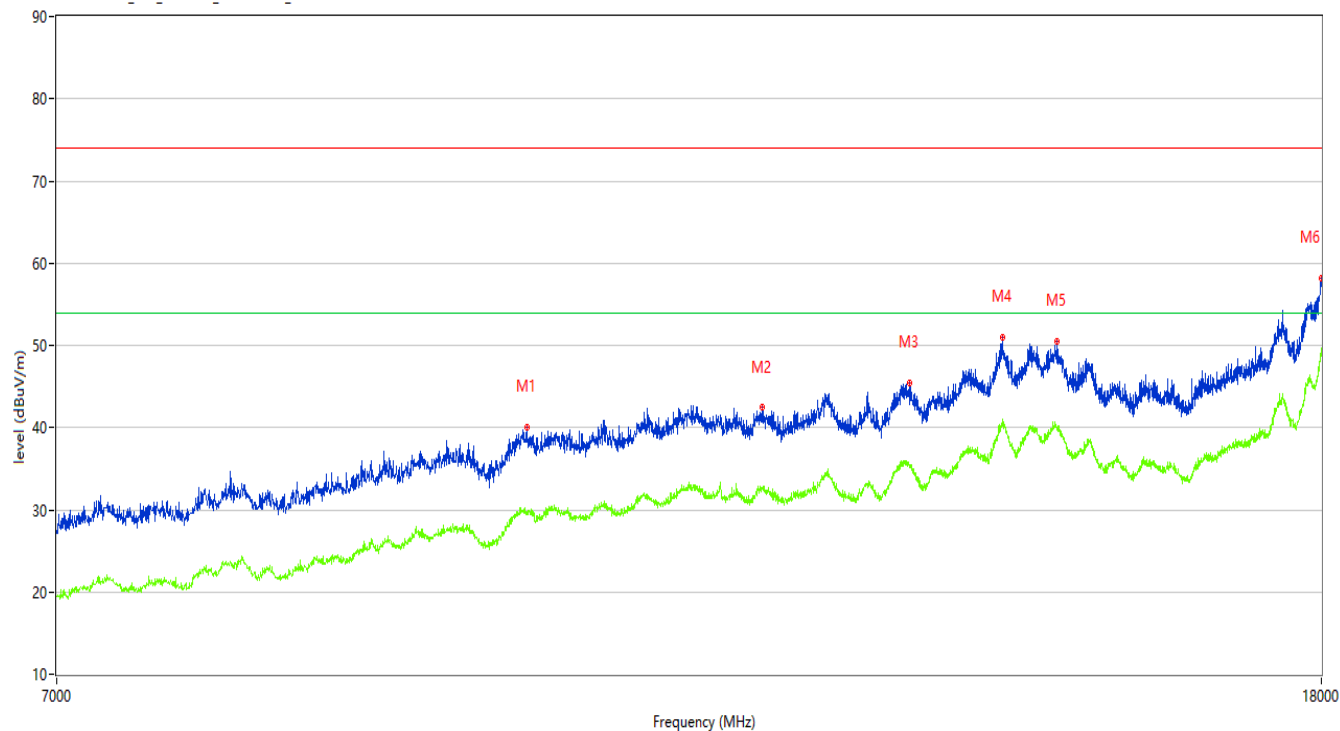
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Vertical polarization

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



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 9942.500        | 40.02            | 9.75        | 74.0           | -33.98          | Peak     | 146.40         | 100         | Vertical | Pass    |
| 1** | 9942.500        | 29.70            | 9.75        | 54.0           | -24.30          | AV       | 146.40         | 100         | Vertical | Pass    |
| 2   | 11859.250       | 42.43            | 12.01       | 74.0           | -31.57          | Peak     | 43.70          | 100         | Vertical | Pass    |
| 2** | 11859.250       | 32.64            | 12.01       | 54.0           | -21.36          | AV       | 43.70          | 100         | Vertical | Pass    |
| 3   | 13234.250       | 45.36            | 14.18       | 74.0           | -28.64          | Peak     | 10.20          | 100         | Vertical | Pass    |
| 3** | 13234.250       | 35.49            | 14.18       | 54.0           | -18.51          | AV       | 10.20          | 100         | Vertical | Pass    |
| 4   | 14185.750       | 50.99            | 19.69       | 74.0           | -23.01          | Peak     | 159.80         | 100         | Vertical | Pass    |
| 4** | 14185.750       | 40.40            | 19.69       | 54.0           | -13.60          | AV       | 159.80         | 100         | Vertical | Pass    |
| 5   | 14768.750       | 50.49            | 18.79       | 74.0           | -23.51          | Peak     | 111.80         | 100         | Vertical | Pass    |
| 5** | 14768.750       | 40.02            | 18.79       | 54.0           | -13.98          | AV       | 111.80         | 100         | Vertical | Pass    |
| 6   | 17997.251       | 58.11            | 27.75       | 74.0           | -15.89          | Peak     | 159.80         | 100         | Vertical | Pass    |
| 6** | 17997.251       | 49.60            | 27.75       | 54.0           | -4.40           | AV       | 159.80         | 100         | Vertical | Pass    |

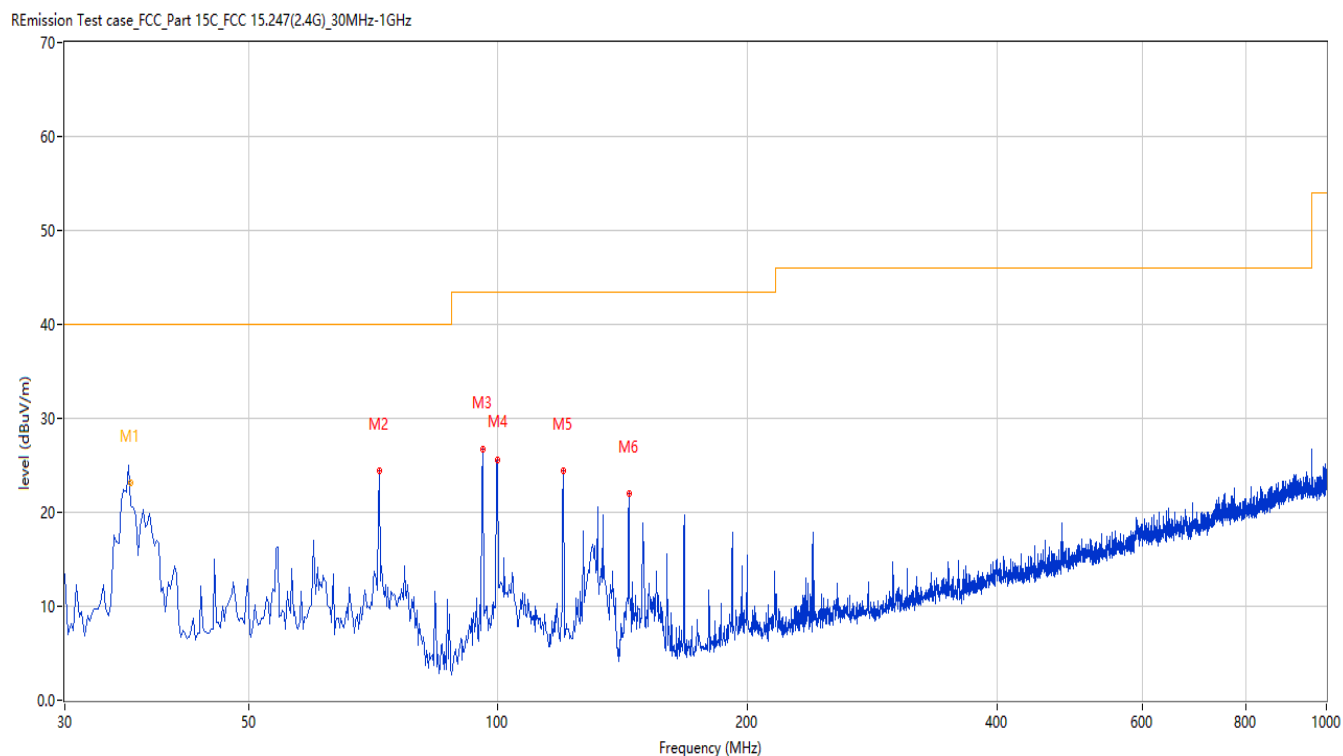
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**Figure 32: Radiated Emission, BLE-2M, 2402MHz\_30MHz\_1GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 35.999          | 32.14            | -27.78      | 40.0           | -7.86           | Peak     | 0.00           | 197         | Horizontal | Pass    |
| 1*  | 35.999          | 23.16            | -27.78      | 40.0           | -16.84          | QP       | 0.00           | 197         | Horizontal | Pass    |
| 2   | 71.942          | 24.37            | -30.08      | 40.0           | -15.63          | Peak     | 195.70         | 200         | Horizontal | Pass    |
| 3   | 95.944          | 26.77            | -27.17      | 43.5           | -16.73          | Peak     | 0.00           | 200         | Horizontal | Pass    |
| 4   | 99.823          | 25.51            | -26.67      | 43.5           | -17.99          | Peak     | 32.70          | 200         | Horizontal | Pass    |
| 5   | 119.945         | 24.48            | -28.31      | 43.5           | -19.02          | Peak     | 98.20          | 200         | Horizontal | Pass    |
| 6   | 143.947         | 21.99            | -30.00      | 43.5           | -21.51          | Peak     | 60.20          | 200         | Horizontal | Pass    |

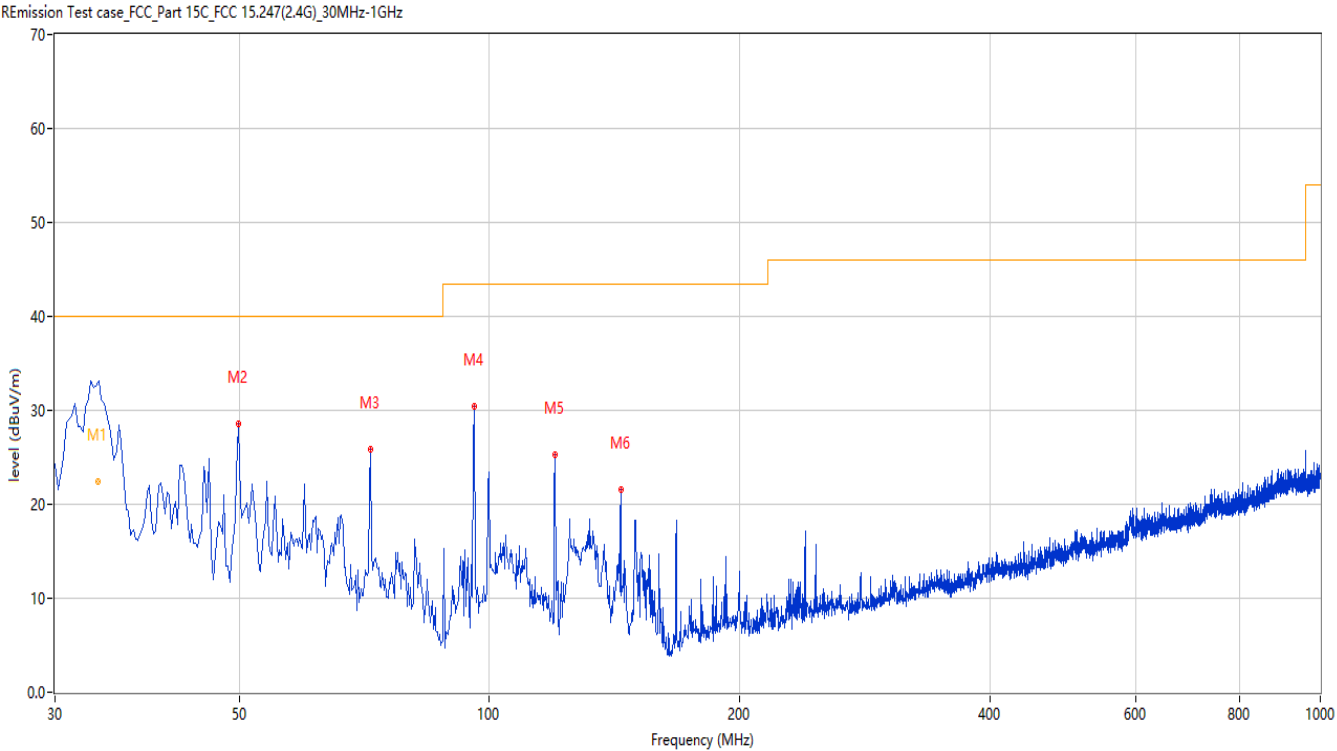
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Vertical polarization



| No. | Frequency<br>(MHz) | Results<br>(dBuV/m) | Factor<br>(dB) | Limit<br>(dBuV/m) | Over Limit<br>(dB) | Detector | Table<br>(Degree) | Height<br>(cm) | Antenna  | Verdict |
|-----|--------------------|---------------------|----------------|-------------------|--------------------|----------|-------------------|----------------|----------|---------|
| 1   | 33.799             | 35.77               | -28.44         | 40.0              | -4.23              | Peak     | 118.00            | 104            | Vertical | Pass    |
| 1*  | 33.799             | 22.37               | -28.44         | 40.0              | -17.63             | QP       | 118.00            | 104            | Vertical | Pass    |
| 2   | 49.880             | 28.59               | -25.02         | 40.0              | -11.41             | Peak     | 224.90            | 100            | Vertical | Pass    |
| 3   | 71.942             | 25.91               | -30.08         | 40.0              | -14.09             | Peak     | 71.50             | 100            | Vertical | Pass    |
| 4   | 95.944             | 30.49               | -27.17         | 43.5              | -13.01             | Peak     | 48.80             | 100            | Vertical | Pass    |
| 5   | 119.945            | 25.25               | -28.31         | 43.5              | -18.25             | Peak     | 359.50            | 100            | Vertical | Pass    |
| 6   | 143.947            | 21.60               | -30.00         | 43.5              | -21.90             | Peak     | 0.40              | 100            | Vertical | Pass    |

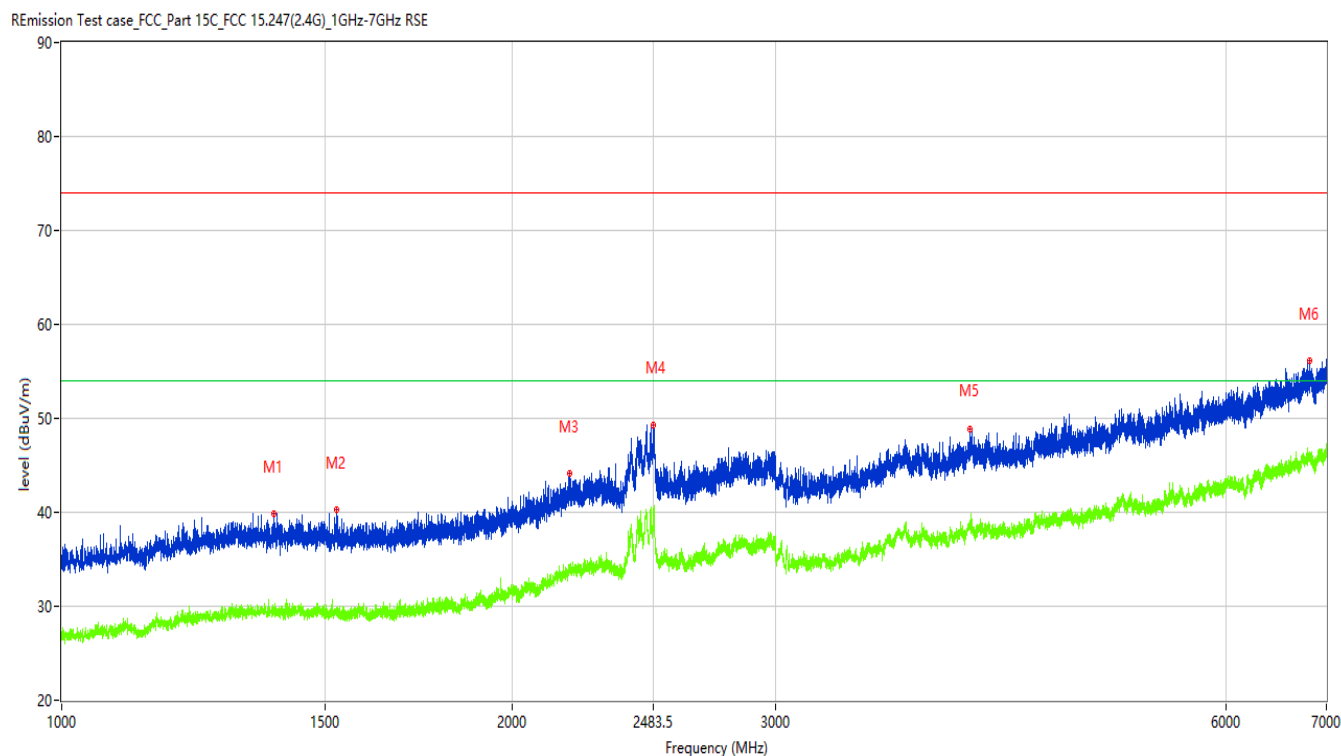
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**Figure 33: Radiated Emission, BLE-2M, 2402MHz\_1GHz\_7GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1386.500        | 39.92            | -12.72      | 74.0           | -34.08          | Peak     | 319.70         | 100         | Horizontal | Pass    |
| 1** | 1386.500        | 29.82            | -12.72      | 54.0           | -24.18          | AV       | 319.70         | 100         | Horizontal | Pass    |
| 2   | 1527.250        | 40.26            | -13.02      | 74.0           | -33.74          | Peak     | 134.90         | 100         | Horizontal | Pass    |
| 2** | 1527.250        | 29.66            | -13.02      | 54.0           | -24.34          | AV       | 134.90         | 100         | Horizontal | Pass    |
| 3   | 2185.750        | 44.18            | -8.08       | 74.0           | -29.82          | Peak     | 214.70         | 100         | Horizontal | Pass    |
| 3** | 2185.750        | 34.42            | -8.08       | 54.0           | -19.58          | AV       | 214.70         | 100         | Horizontal | Pass    |
| 4   | 2485.500        | 49.26            | -1.92       | 74.0           | -24.74          | Peak     | 237.00         | 100         | Horizontal | Pass    |
| 4** | 2485.500        | 40.14            | -1.92       | 54.0           | -13.86          | AV       | 237.00         | 100         | Horizontal | Pass    |
| 5   | 4047.500        | 48.79            | -0.85       | 74.0           | -25.21          | Peak     | 152.10         | 100         | Horizontal | Pass    |
| 5** | 4047.500        | 38.54            | -0.85       | 54.0           | -15.46          | AV       | 152.10         | 100         | Horizontal | Pass    |
| 6   | 6819.000        | 56.08            | 5.11        | 74.0           | -17.92          | Peak     | 152.10         | 100         | Horizontal | Pass    |
| 6** | 6819.000        | 46.44            | 5.11        | 54.0           | -7.56           | AV       | 152.10         | 100         | Horizontal | Pass    |

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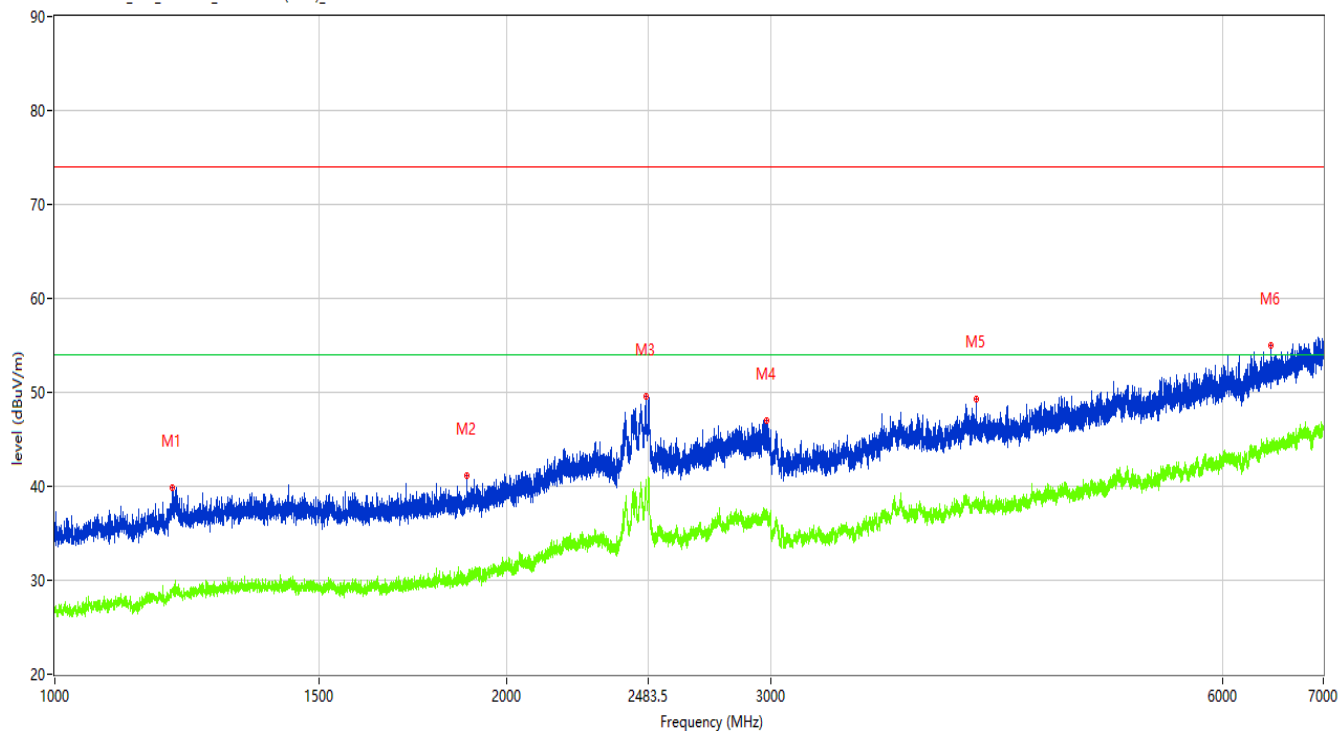
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Vertical polarization

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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1197.250        | 39.80            | -13.48      | 74.0           | -34.20          | Peak     | 113.60         | 100         | Vertical | Pass    |
| 1** | 1197.250        | 28.72            | -13.48      | 54.0           | -25.28          | AV       | 113.60         | 100         | Vertical | Pass    |
| 2   | 1882.500        | 41.07            | -11.92      | 74.0           | -32.93          | Peak     | 1.70           | 100         | Vertical | Pass    |
| 2** | 1882.500        | 30.37            | -11.92      | 54.0           | -23.63          | AV       | 1.70           | 100         | Vertical | Pass    |
| 3   | 2476.250        | 49.63            | -2.10       | 74.0           | -24.37          | Peak     | 43.60          | 100         | Vertical | Pass    |
| 3** | 2476.250        | 40.16            | -2.10       | 54.0           | -13.84          | AV       | 43.60          | 100         | Vertical | Pass    |
| 4   | 2978.500        | 46.95            | -3.22       | 74.0           | -27.05          | Peak     | 217.80         | 100         | Vertical | Pass    |
| 4** | 2978.500        | 36.98            | -3.22       | 54.0           | -17.02          | AV       | 217.80         | 100         | Vertical | Pass    |
| 5   | 4111.500        | 49.30            | -1.07       | 74.0           | -24.70          | Peak     | 312.10         | 100         | Vertical | Pass    |
| 5** | 4111.500        | 38.84            | -1.07       | 54.0           | -15.16          | AV       | 312.10         | 100         | Vertical | Pass    |
| 6   | 6454.000        | 54.96            | 3.82        | 74.0           | -19.04          | Peak     | 299.40         | 100         | Vertical | Pass    |
| 6** | 6454.000        | 44.51            | 3.82        | 54.0           | -9.49           | AV       | 299.40         | 100         | Vertical | Pass    |

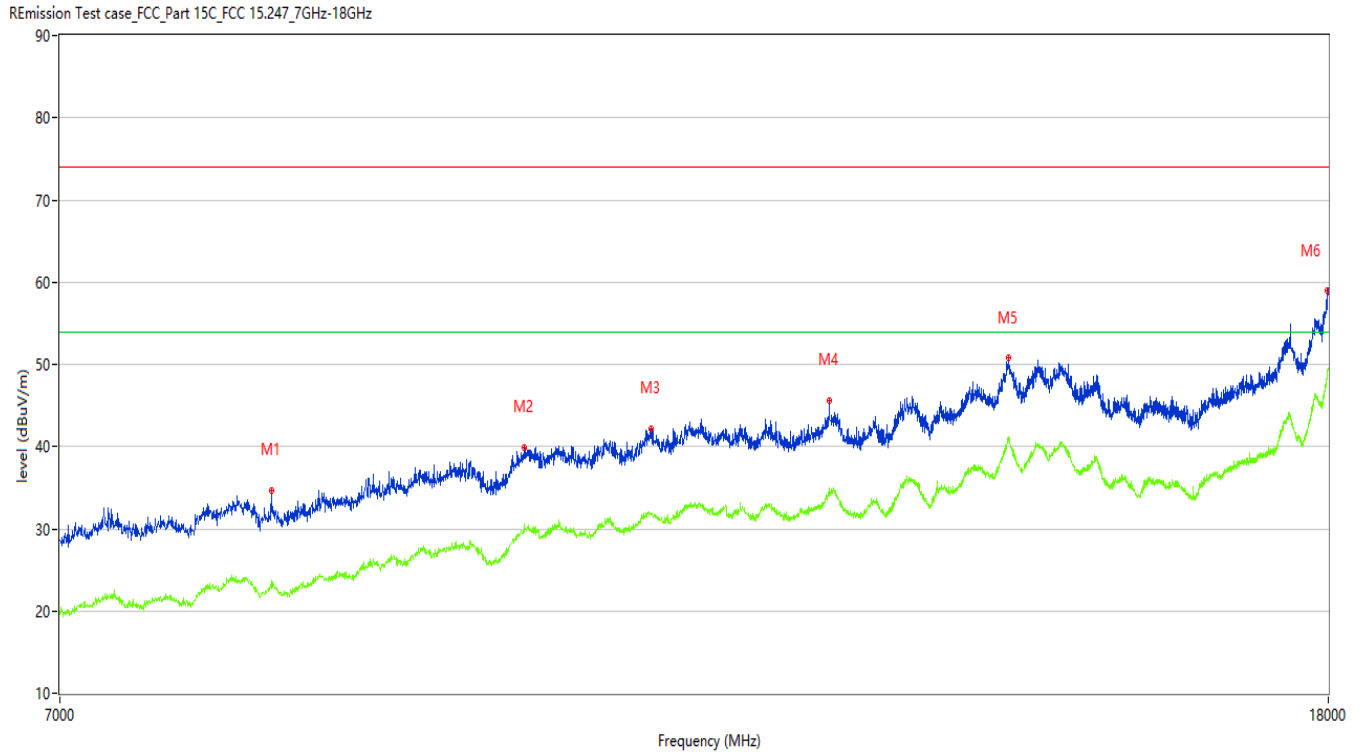
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**Figure 34: Radiated Emission, BLE-2M, 2402MHz\_7GHz\_18GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 8193.202        | 34.64            | 3.60        | 74.0           | -39.36          | Peak     | 264.30         | 100         | Horizontal | Pass    |
| 1** | 8193.202        | 23.79            | 3.60        | 54.0           | -30.21          | AV       | 264.30         | 100         | Horizontal | Pass    |
| 2   | 9889.528        | 39.89            | 9.53        | 74.0           | -34.11          | Peak     | 264.30         | 100         | Horizontal | Pass    |
| 2** | 9889.528        | 29.80            | 9.53        | 54.0           | -24.20          | AV       | 264.30         | 100         | Horizontal | Pass    |
| 3   | 10868.283       | 42.24            | 11.12       | 74.0           | -31.76          | Peak     | 206.50         | 100         | Horizontal | Pass    |
| 3** | 10868.283       | 31.91            | 11.12       | 54.0           | -22.09          | AV       | 206.50         | 100         | Horizontal | Pass    |
| 4   | 12416.146       | 45.59            | 12.33       | 74.0           | -28.41          | Peak     | 73.90          | 100         | Horizontal | Pass    |
| 4** | 12416.146       | 34.90            | 12.33       | 54.0           | -19.10          | AV       | 73.90          | 100         | Horizontal | Pass    |
| 5   | 14189.453       | 50.80            | 19.73       | 74.0           | -23.20          | Peak     | 279.60         | 100         | Horizontal | Pass    |
| 5** | 14189.453       | 40.93            | 19.73       | 54.0           | -13.07          | AV       | 279.60         | 100         | Horizontal | Pass    |
| 6   | 17991.752       | 59.06            | 27.41       | 74.0           | -14.94          | Peak     | 284.80         | 100         | Horizontal | Pass    |
| 6** | 17991.752       | 49.29            | 27.41       | 54.0           | -4.71           | AV       | 284.80         | 100         | Horizontal | Pass    |

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Vertical polarization

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



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 9380.905        | 39.17            | 7.65        | 74.0           | -34.83          | Peak     | 240.10         | 100         | Vertical | Pass    |
| 1** | 9380.905        | 27.92            | 7.65        | 54.0           | -26.08          | AV       | 240.10         | 100         | Vertical | Pass    |
| 2   | 10453.137       | 41.66            | 9.47        | 74.0           | -32.34          | Peak     | 341.30         | 100         | Vertical | Pass    |
| 2** | 10453.137       | 30.62            | 9.47        | 54.0           | -23.38          | AV       | 341.30         | 100         | Vertical | Pass    |
| 3   | 12460.135       | 45.55            | 12.54       | 74.0           | -28.45          | Peak     | 220.00         | 100         | Vertical | Pass    |
| 3** | 12460.135       | 34.76            | 12.54       | 54.0           | -19.24          | AV       | 220.00         | 100         | Vertical | Pass    |
| 4   | 14189.453       | 51.25            | 19.73       | 74.0           | -22.75          | Peak     | 317.10         | 100         | Vertical | Pass    |
| 4** | 14189.453       | 40.83            | 19.73       | 54.0           | -13.17          | AV       | 317.10         | 100         | Vertical | Pass    |
| 5   | 14500.125       | 51.95            | 17.71       | 74.0           | -22.05          | Peak     | 161.20         | 100         | Vertical | Pass    |
| 5** | 14500.125       | 41.05            | 17.71       | 54.0           | -12.95          | AV       | 161.20         | 100         | Vertical | Pass    |
| 6   | 17991.752       | 58.47            | 27.41       | 74.0           | -15.53          | Peak     | 30.90          | 100         | Vertical | Pass    |
| 6** | 17991.752       | 49.41            | 27.41       | 54.0           | -4.59           | AV       | 30.90          | 100         | Vertical | Pass    |

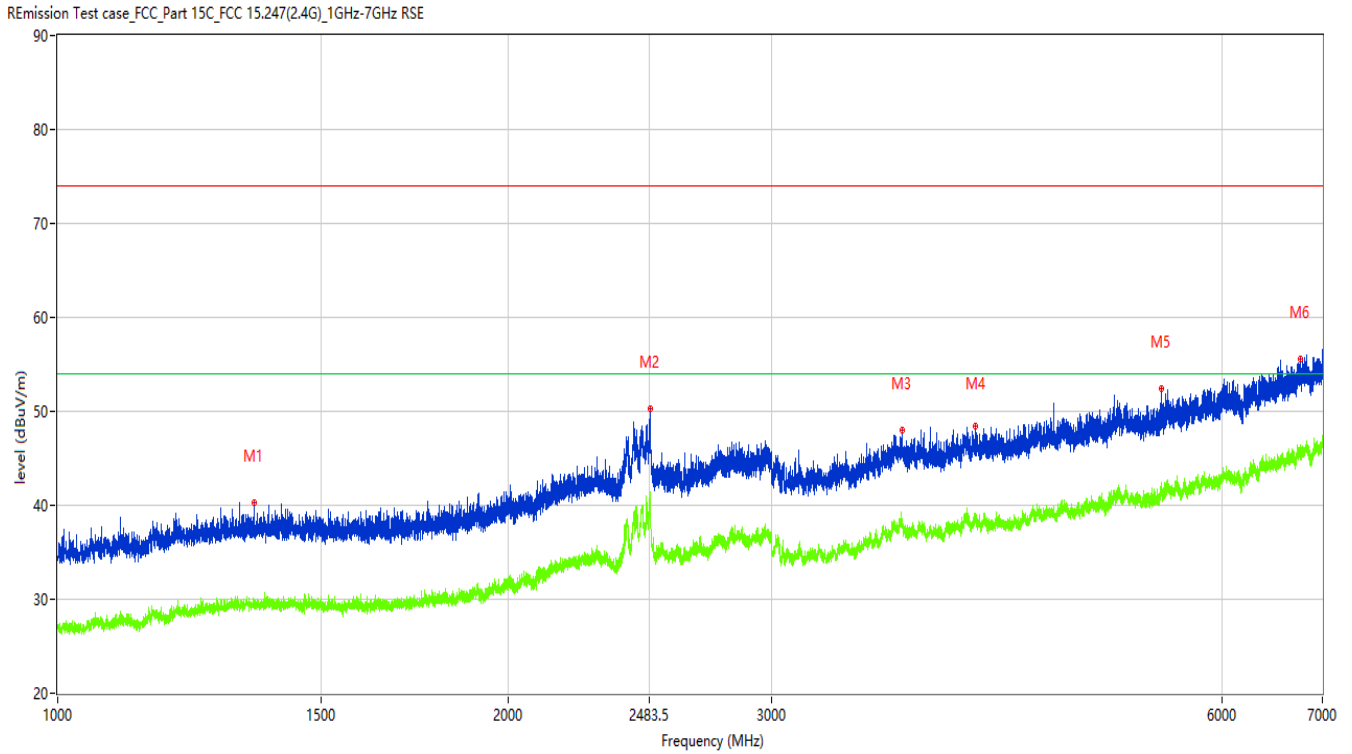
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**Figure 35: Radiated Emission, BLE-2M, 2440MHz\_1GHz\_7GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1353.000        | 40.28            | -12.73      | 74.0           | -33.72          | Peak     | 36.90          | 100         | Horizontal | Pass    |
| 1** | 1353.000        | 29.56            | -12.73      | 54.0           | -24.44          | AV       | 36.90          | 100         | Horizontal | Pass    |
| 2   | 2487.750        | 50.28            | -1.88       | 74.0           | -23.72          | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 2** | 2487.750        | 41.02            | -1.88       | 54.0           | -12.98          | AV       | 0.00           | 100         | Horizontal | Pass    |
| 3   | 3669.500        | 48.06            | -1.78       | 74.0           | -25.94          | Peak     | 2.60           | 100         | Horizontal | Pass    |
| 3** | 3669.500        | 37.95            | -1.78       | 54.0           | -16.05          | AV       | 2.60           | 100         | Horizontal | Pass    |
| 4   | 4104.500        | 48.39            | -0.94       | 74.0           | -25.61          | Peak     | 180.00         | 100         | Horizontal | Pass    |
| 4** | 4104.500        | 38.30            | -0.94       | 54.0           | -15.70          | AV       | 180.00         | 100         | Horizontal | Pass    |
| 5   | 5468.000        | 52.38            | 1.09        | 74.0           | -21.62          | Peak     | 44.20          | 100         | Horizontal | Pass    |
| 5** | 5468.000        | 42.36            | 1.09        | 54.0           | -11.64          | AV       | 44.20          | 100         | Horizontal | Pass    |
| 6   | 6763.500        | 55.52            | 4.99        | 74.0           | -18.48          | Peak     | 0.40           | 100         | Horizontal | Pass    |
| 6** | 6763.500        | 45.37            | 4.99        | 54.0           | -8.63           | AV       | 0.40           | 100         | Horizontal | Pass    |



# TEST REPORT

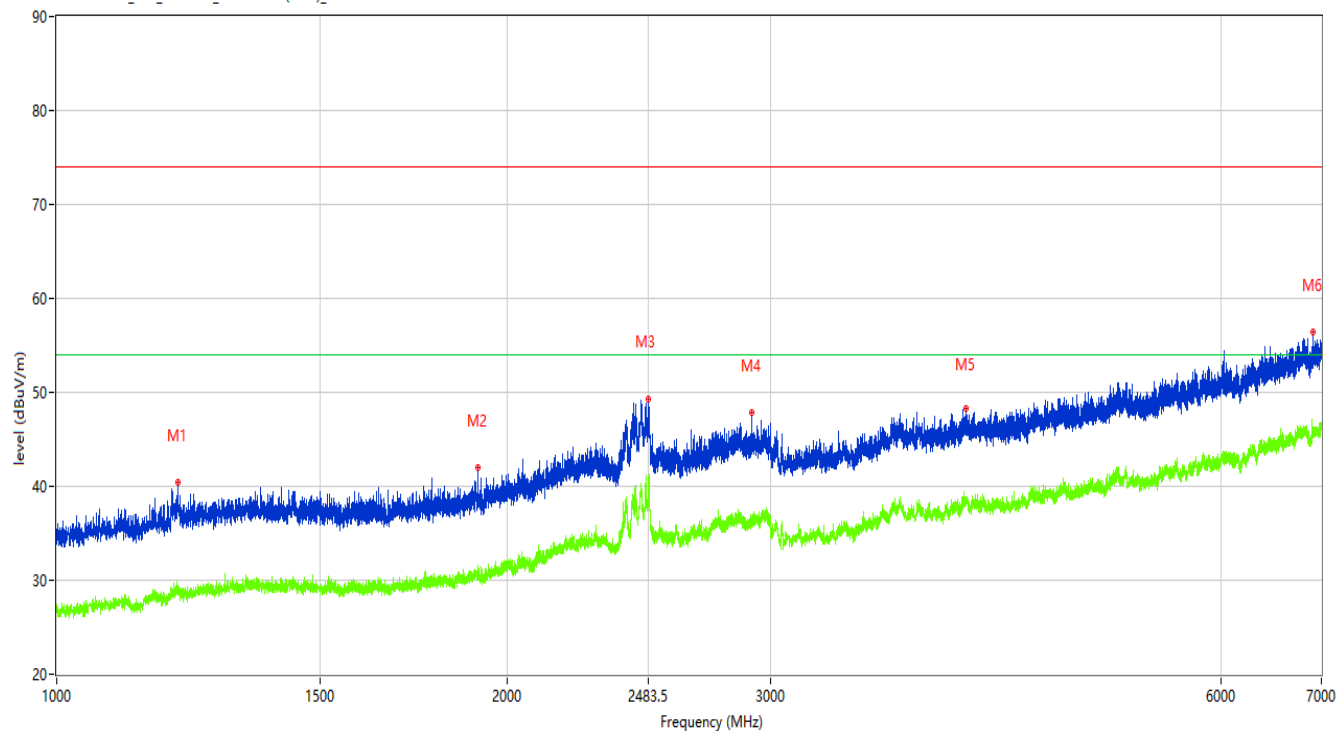
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Vertical polarization

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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1205.000        | 40.43            | -13.58      | 74.0           | -33.57          | Peak     | 225.60         | 100         | Vertical | Pass    |
| 1** | 1205.000        | 29.06            | -13.58      | 54.0           | -24.94          | AV       | 225.60         | 100         | Vertical | Pass    |
| 2   | 1912.250        | 42.00            | -11.67      | 74.0           | -32.00          | Peak     | 30.90          | 100         | Vertical | Pass    |
| 2** | 1912.250        | 31.54            | -11.67      | 54.0           | -22.46          | AV       | 30.90          | 100         | Vertical | Pass    |
| 3   | 2485.250        | 49.29            | -1.92       | 74.0           | -24.71          | Peak     | 317.10         | 100         | Vertical | Pass    |
| 3** | 2485.250        | 40.52            | -1.92       | 54.0           | -13.48          | AV       | 317.10         | 100         | Vertical | Pass    |
| 4   | 2914.000        | 47.83            | -4.08       | 74.0           | -26.17          | Peak     | 360.00         | 100         | Vertical | Pass    |
| 4** | 2914.000        | 36.74            | -4.08       | 54.0           | -17.26          | AV       | 360.00         | 100         | Vertical | Pass    |
| 5   | 4054.000        | 48.33            | -0.77       | 74.0           | -25.67          | Peak     | 164.30         | 100         | Vertical | Pass    |
| 5** | 4054.000        | 38.77            | -0.77       | 54.0           | -15.23          | AV       | 164.30         | 100         | Vertical | Pass    |
| 6   | 6908.000        | 56.39            | 5.08        | 74.0           | -17.61          | Peak     | 246.20         | 100         | Vertical | Pass    |
| 6** | 6908.000        | 46.24            | 5.08        | 54.0           | -7.76           | AV       | 246.20         | 100         | Vertical | Pass    |

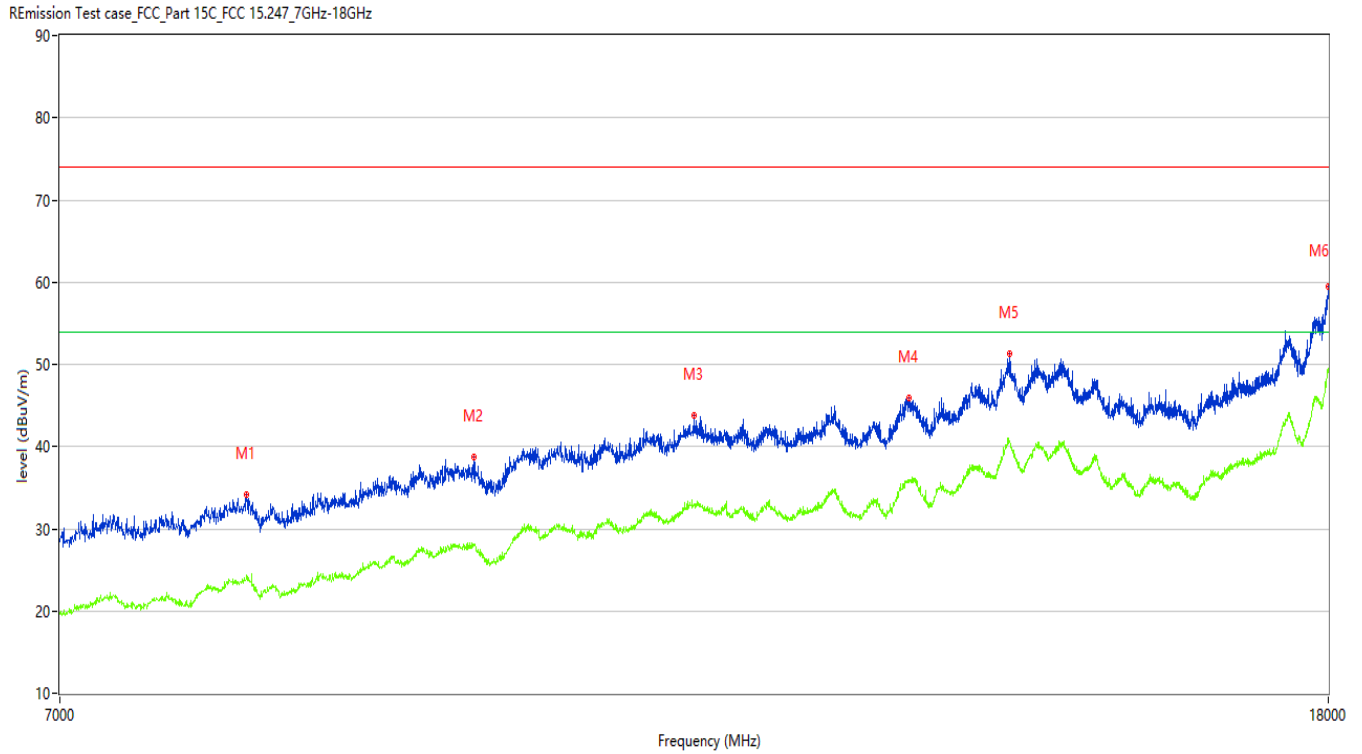
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**Figure 36: Radiated Emission, BLE-2M, 2440MHz\_7GHz\_18GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 8044.739        | 34.15            | 4.57        | 74.0           | -39.85          | Peak     | 230.00         | 100         | Horizontal | Pass    |
| 1** | 8044.739        | 24.34            | 4.57        | 54.0           | -29.66          | AV       | 230.00         | 100         | Horizontal | Pass    |
| 2   | 9526.618        | 38.81            | 8.11        | 74.0           | -35.19          | Peak     | 359.90         | 100         | Horizontal | Pass    |
| 2** | 9526.618        | 28.02            | 8.11        | 54.0           | -25.98          | AV       | 359.90         | 100         | Horizontal | Pass    |
| 3   | 11222.944       | 43.86            | 11.53       | 74.0           | -30.14          | Peak     | 65.20          | 100         | Horizontal | Pass    |
| 3** | 11222.944       | 33.09            | 11.53       | 54.0           | -20.91          | AV       | 65.20          | 100         | Horizontal | Pass    |
| 4   | 13169.458       | 45.84            | 14.02       | 74.0           | -28.16          | Peak     | 55.10          | 100         | Horizontal | Pass    |
| 4** | 13169.458       | 35.68            | 14.02       | 54.0           | -18.32          | AV       | 55.10          | 100         | Horizontal | Pass    |
| 5   | 14203.199       | 51.26            | 19.42       | 74.0           | -22.74          | Peak     | 7.90           | 100         | Horizontal | Pass    |
| 5** | 14203.199       | 40.74            | 19.42       | 54.0           | -13.26          | AV       | 7.90           | 100         | Horizontal | Pass    |
| 6   | 18000.000       | 59.42            | 27.92       | 74.0           | -14.58          | Peak     | 45.50          | 100         | Horizontal | Pass    |
| 6** | 18000.000       | 49.51            | 27.92       | 54.0           | -4.49           | AV       | 45.50          | 100         | Horizontal | Pass    |

# TEST REPORT

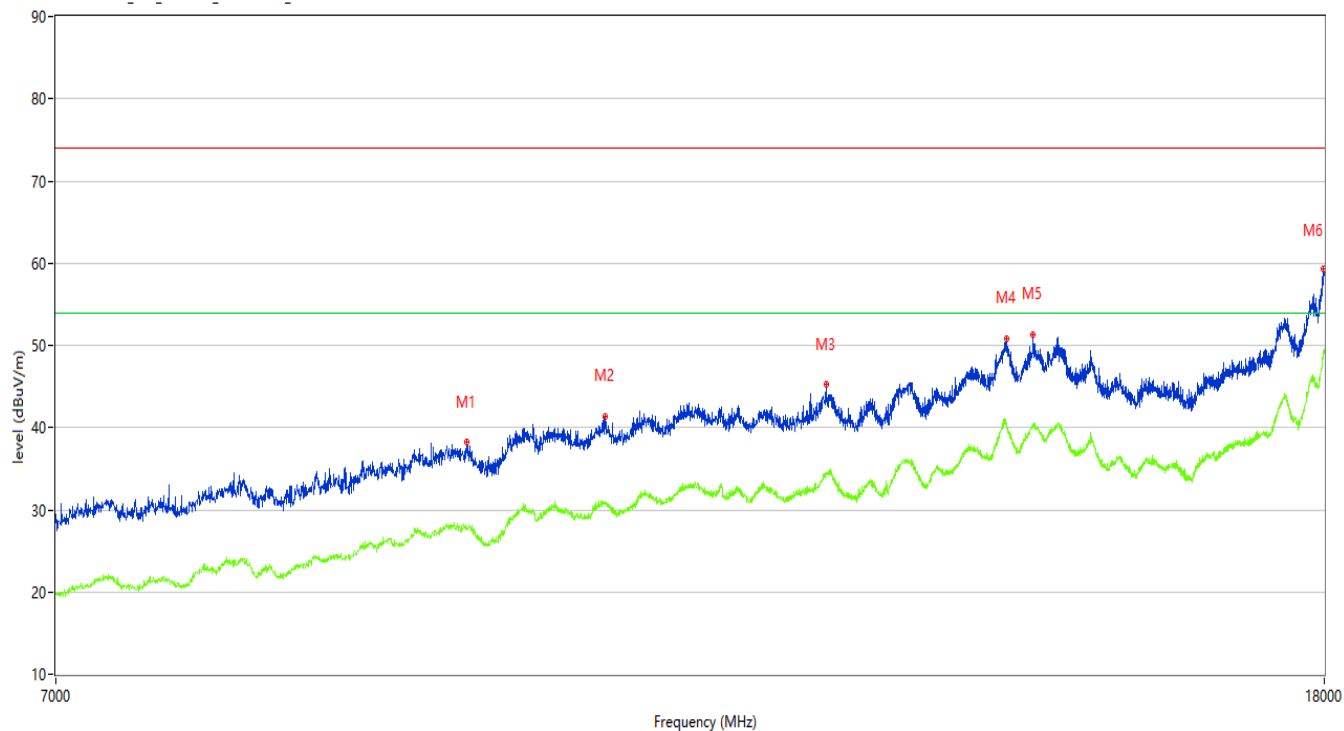
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## Vertical polarization

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



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 9504.624        | 38.19            | 7.94        | 74.0           | -35.81          | Peak     | 100.50         | 100         | Vertical | Pass    |
| 1** | 9504.624        | 27.77            | 7.94        | 54.0           | -26.23          | AV       | 100.50         | 100         | Vertical | Pass    |
| 2   | 10535.616       | 41.41            | 10.26       | 74.0           | -32.59          | Peak     | 24.20          | 100         | Vertical | Pass    |
| 2** | 10535.616       | 30.95            | 10.26       | 54.0           | -23.05          | AV       | 24.20          | 100         | Vertical | Pass    |
| 3   | 12421.645       | 45.21            | 12.36       | 74.0           | -28.79          | Peak     | 314.10         | 100         | Vertical | Pass    |
| 3** | 12421.645       | 34.43            | 12.36       | 54.0           | -19.57          | AV       | 314.10         | 100         | Vertical | Pass    |
| 4   | 14205.949       | 50.89            | 19.36       | 74.0           | -23.11          | Peak     | 2.90           | 100         | Vertical | Pass    |
| 4** | 14205.949       | 40.08            | 19.36       | 54.0           | -13.92          | AV       | 2.90           | 100         | Vertical | Pass    |
| 5   | 14489.128       | 51.38            | 17.78       | 74.0           | -22.62          | Peak     | 100.50         | 100         | Vertical | Pass    |
| 5** | 14489.128       | 40.36            | 17.78       | 54.0           | -13.64          | AV       | 100.50         | 100         | Vertical | Pass    |
| 6   | 17991.752       | 59.37            | 27.41       | 74.0           | -14.63          | Peak     | 227.40         | 100         | Vertical | Pass    |
| 6** | 17991.752       | 49.39            | 27.41       | 54.0           | -4.61           | AV       | 227.40         | 100         | Vertical | Pass    |

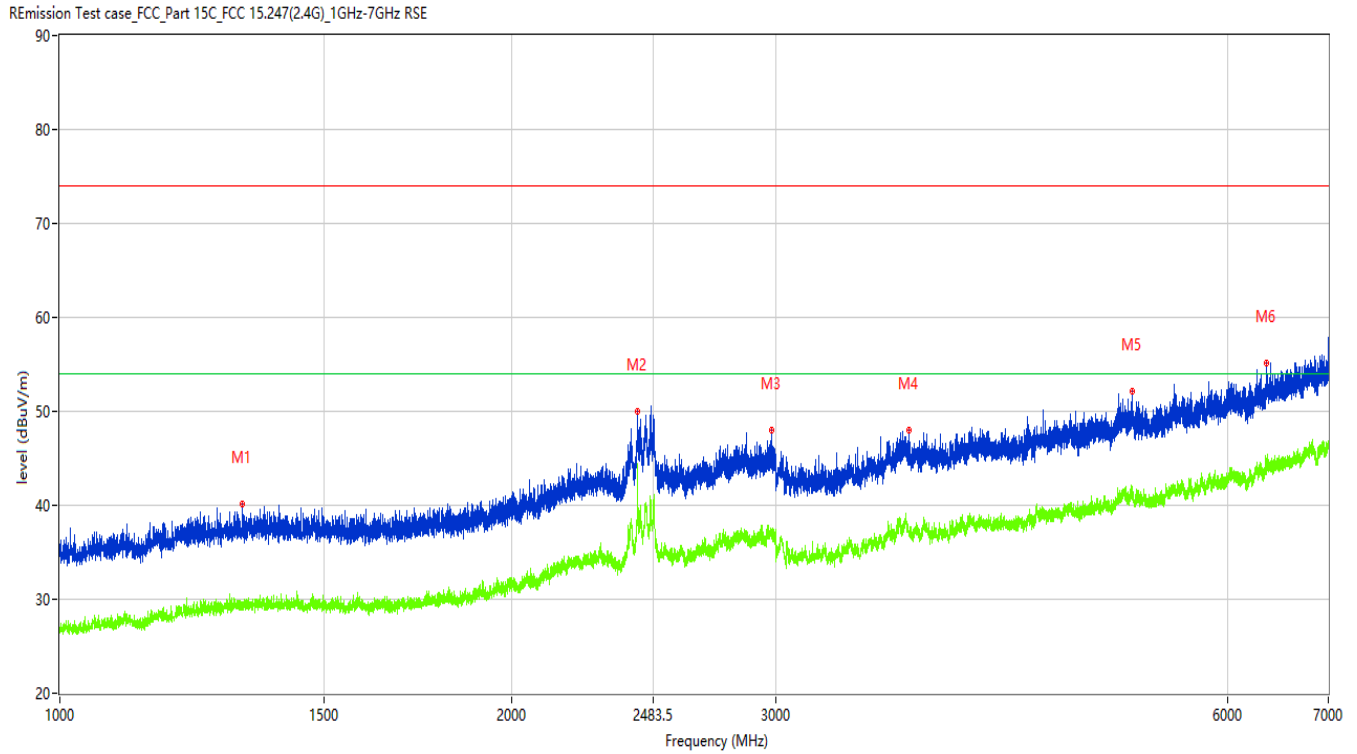
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**Figure 37: Radiated Emission, BLE-2M, 2480MHz\_1GHz\_7GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 1322.750        | 40.16            | -12.94      | 74.0           | -33.84          | Peak     | 330.50         | 100         | Horizontal | Pass    |
| 1** | 1322.750        | 29.39            | -12.94      | 54.0           | -24.61          | AV       | 330.50         | 100         | Horizontal | Pass    |
| 2   | 2425.750        | 50.02            | -3.40       | 74.0           | -23.98          | Peak     | 273.20         | 100         | Horizontal | Pass    |
| 2** | 2425.750        | 44.47            | -3.40       | 54.0           | -9.53           | AV       | 273.20         | 100         | Horizontal | Pass    |
| 3   | 2980.750        | 48.03            | -3.20       | 74.0           | -25.97          | Peak     | 162.60         | 100         | Horizontal | Pass    |
| 3** | 2980.750        | 37.30            | -3.20       | 54.0           | -16.70          | AV       | 162.60         | 100         | Horizontal | Pass    |
| 4   | 3681.500        | 47.98            | -2.00       | 74.0           | -26.02          | Peak     | 196.10         | 100         | Horizontal | Pass    |
| 4** | 3681.500        | 37.01            | -2.00       | 54.0           | -16.99          | AV       | 196.10         | 100         | Horizontal | Pass    |
| 5   | 5180.000        | 52.11            | 1.13        | 74.0           | -21.89          | Peak     | 69.50          | 100         | Horizontal | Pass    |
| 5** | 5180.000        | 41.56            | 1.13        | 54.0           | -12.44          | AV       | 69.50          | 100         | Horizontal | Pass    |
| 6   | 6371.000        | 55.18            | 3.55        | 74.0           | -18.82          | Peak     | 26.00          | 100         | Horizontal | Pass    |
| 6** | 6371.000        | 45.00            | 3.55        | 54.0           | -9.00           | AV       | 26.00          | 100         | Horizontal | Pass    |

# TEST REPORT

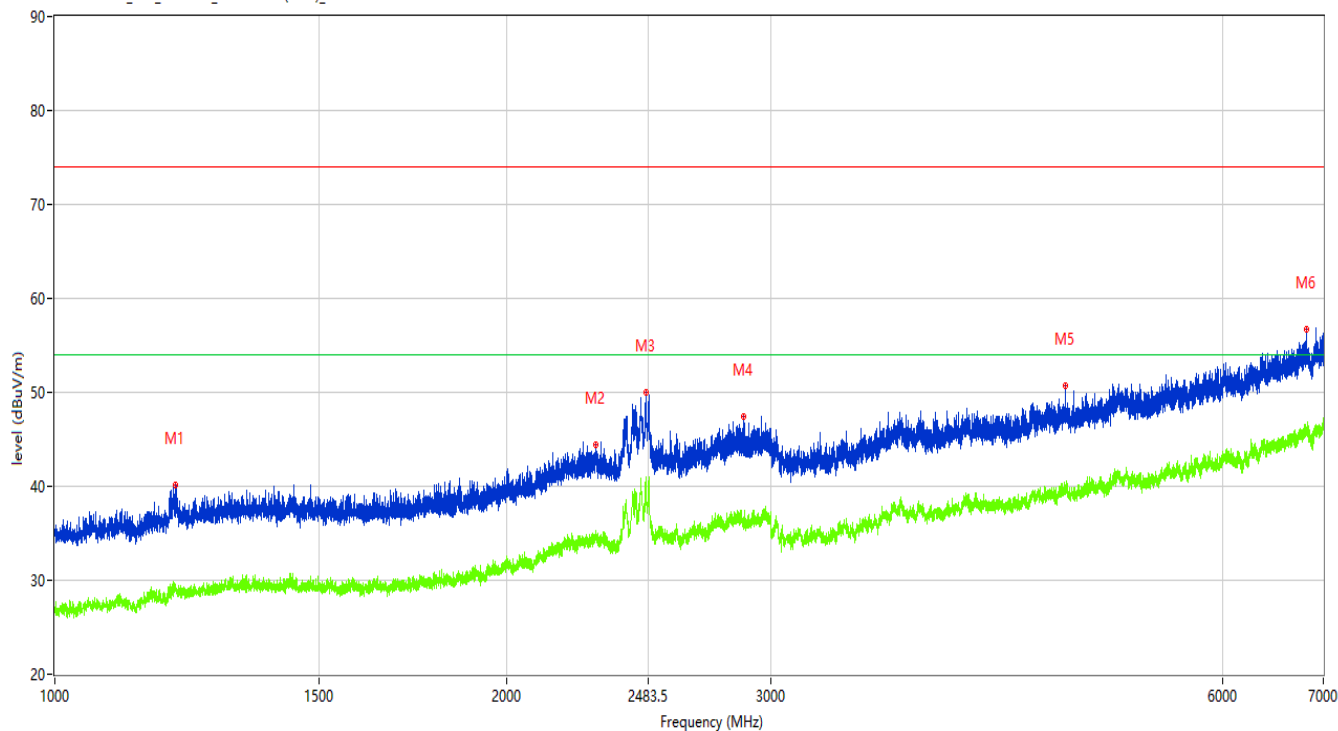
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Vertical polarization

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) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 1203.250        | 40.14            | -13.56      | 74.0           | -33.86          | Peak     | 96.10          | 100         | Vertical | Pass    |
| 1** | 1203.250        | 28.92            | -13.56      | 54.0           | -25.08          | AV       | 96.10          | 100         | Vertical | Pass    |
| 2   | 2292.250        | 44.44            | -7.41       | 74.0           | -29.56          | Peak     | 266.20         | 100         | Vertical | Pass    |
| 2** | 2292.250        | 34.85            | -7.41       | 54.0           | -19.15          | AV       | 266.20         | 100         | Vertical | Pass    |
| 3   | 2475.000        | 49.94            | -2.14       | 74.0           | -24.06          | Peak     | 28.00          | 100         | Vertical | Pass    |
| 3** | 2475.000        | 40.67            | -2.14       | 54.0           | -13.33          | AV       | 28.00          | 100         | Vertical | Pass    |
| 4   | 2876.500        | 47.41            | -3.83       | 74.0           | -26.59          | Peak     | 141.50         | 100         | Vertical | Pass    |
| 4** | 2876.500        | 36.58            | -3.83       | 54.0           | -17.42          | AV       | 141.50         | 100         | Vertical | Pass    |
| 5   | 4710.500        | 50.66            | -0.07       | 74.0           | -23.34          | Peak     | 267.00         | 100         | Vertical | Pass    |
| 5** | 4710.500        | 40.10            | -0.07       | 54.0           | -13.90          | AV       | 267.00         | 100         | Vertical | Pass    |
| 6   | 6825.000        | 56.68            | 5.10        | 74.0           | -17.32          | Peak     | 140.50         | 100         | Vertical | Pass    |
| 6** | 6825.000        | 45.97            | 5.10        | 54.0           | -8.03           | AV       | 140.50         | 100         | Vertical | Pass    |

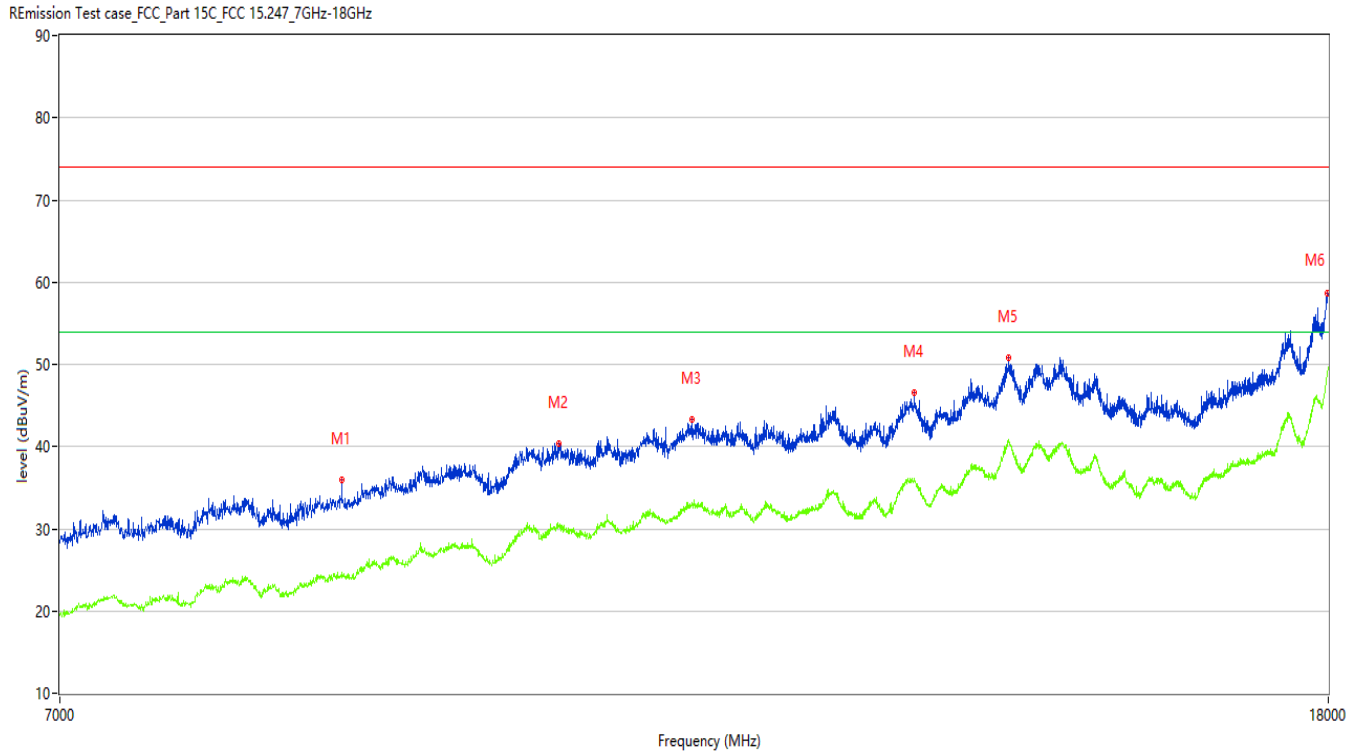
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**Figure 38: Radiated Emission, BLE-2M, 2480MHz\_7GHz\_18GHz**  
Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 8635.841        | 36.04            | 4.70        | 74.0           | -37.96          | Peak     | 0.30           | 100         | Horizontal | Pass    |
| 1** | 8635.841        | 24.62            | 4.70        | 54.0           | -29.38          | AV       | 0.30           | 100         | Horizontal | Pass    |
| 2   | 10147.963       | 40.42            | 9.25        | 74.0           | -33.58          | Peak     | 311.90         | 100         | Horizontal | Pass    |
| 2** | 10147.963       | 30.31            | 9.25        | 54.0           | -23.69          | AV       | 311.90         | 100         | Horizontal | Pass    |
| 3   | 11203.699       | 43.31            | 11.30       | 74.0           | -30.69          | Peak     | 0.00           | 100         | Horizontal | Pass    |
| 3** | 11203.699       | 32.97            | 11.30       | 54.0           | -21.03          | AV       | 0.00           | 100         | Horizontal | Pass    |
| 4   | 13224.444       | 46.59            | 14.16       | 74.0           | -27.41          | Peak     | 286.60         | 100         | Horizontal | Pass    |
| 4** | 13224.444       | 36.06            | 14.16       | 54.0           | -17.94          | AV       | 286.60         | 100         | Horizontal | Pass    |
| 5   | 14189.453       | 50.78            | 19.73       | 74.0           | -23.22          | Peak     | 225.20         | 100         | Horizontal | Pass    |
| 5** | 14189.453       | 40.72            | 19.73       | 54.0           | -13.28          | AV       | 225.20         | 100         | Horizontal | Pass    |
| 6   | 17989.003       | 58.73            | 27.24       | 74.0           | -15.27          | Peak     | 54.80          | 100         | Horizontal | Pass    |
| 6** | 17989.003       | 49.23            | 27.24       | 54.0           | -4.77           | AV       | 54.80          | 100         | Horizontal | Pass    |

# TEST REPORT

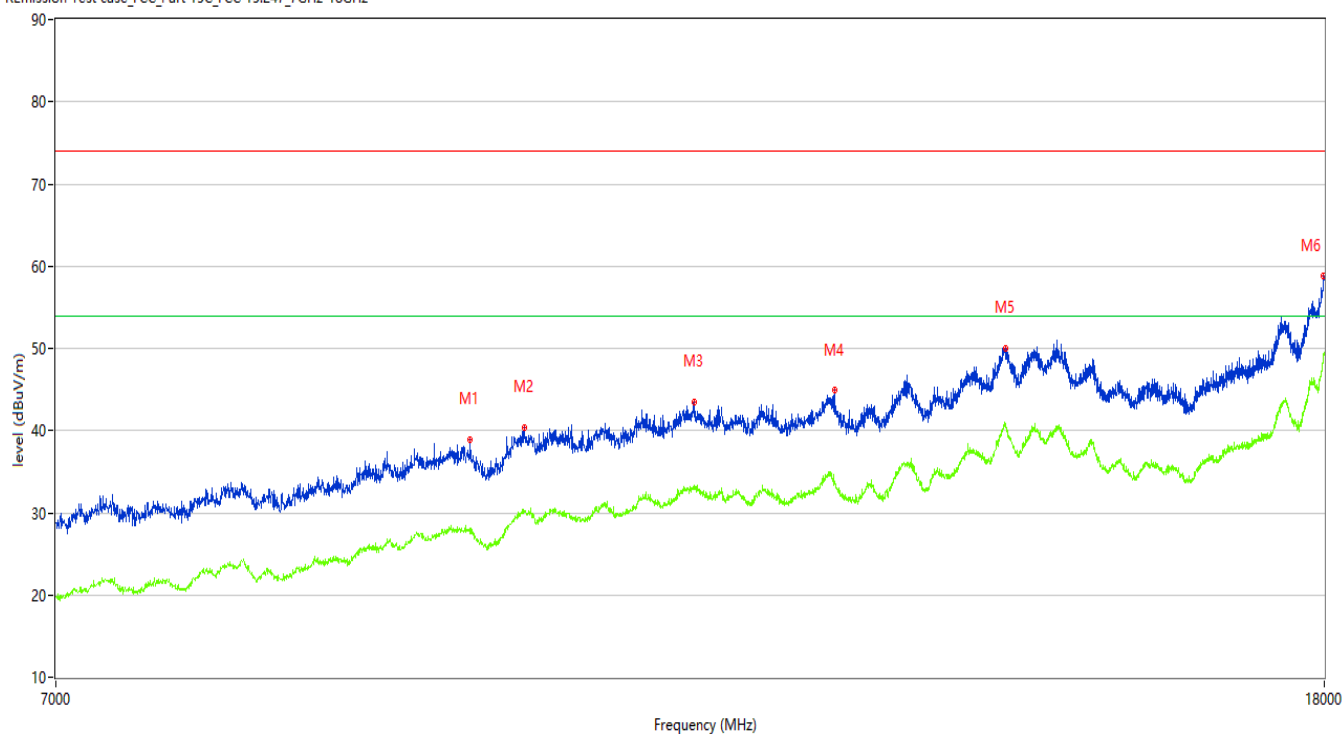
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## Vertical polarization

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



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 9529.368        | 38.90            | 8.12        | 74.0           | -35.10          | Peak     | 287.40         | 100         | Vertical | Pass    |
| 1** | 9529.368        | 27.50            | 8.12        | 54.0           | -26.50          | AV       | 287.40         | 100         | Vertical | Pass    |
| 2   | 9919.770        | 40.44            | 9.91        | 74.0           | -33.56          | Peak     | 116.20         | 100         | Vertical | Pass    |
| 2** | 9919.770        | 30.14            | 9.91        | 54.0           | -23.86          | AV       | 116.20         | 100         | Vertical | Pass    |
| 3   | 11264.184       | 43.51            | 12.08       | 74.0           | -30.49          | Peak     | 330.90         | 100         | Vertical | Pass    |
| 3** | 11264.184       | 33.42            | 12.08       | 54.0           | -20.58          | AV       | 330.90         | 100         | Vertical | Pass    |
| 4   | 12498.625       | 44.88            | 11.77       | 74.0           | -29.12          | Peak     | 359.50         | 100         | Vertical | Pass    |
| 4** | 12498.625       | 33.84            | 11.77       | 54.0           | -20.16          | AV       | 359.50         | 100         | Vertical | Pass    |
| 5   | 14197.701       | 50.07            | 19.55       | 74.0           | -23.93          | Peak     | 263.20         | 100         | Vertical | Pass    |
| 5** | 14197.701       | 40.92            | 19.55       | 54.0           | -13.08          | AV       | 263.20         | 100         | Vertical | Pass    |
| 6   | 17991.752       | 58.79            | 27.41       | 74.0           | -15.21          | Peak     | 37.70          | 100         | Vertical | Pass    |
| 6** | 17991.752       | 49.07            | 27.41       | 54.0           | -4.93           | AV       | 37.70          | 100         | Vertical | Pass    |

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## 4.1.7 Band Edge (Restricted-band band-edge)

RESULT:

**PASS**

|                   |                                                           |
|-------------------|-----------------------------------------------------------|
| Test standard     | : FCC Part 15.247(d), 15.205, 15.209                      |
| Requirement       | : ANSI C63.10-2013 clause 11.13,<br>KDB 558074 clause 8.7 |
| Kind of test site | : 3m Semi-Anechoic Chamber                                |

### Test setup

|                     |                   |
|---------------------|-------------------|
| Test Channel        | : Low/Middle/High |
| Operation Mode      | : A.1             |
| Ambient temperature | : 24.5°C          |
| Relative humidity   | : 53%             |



# TEST REPORT

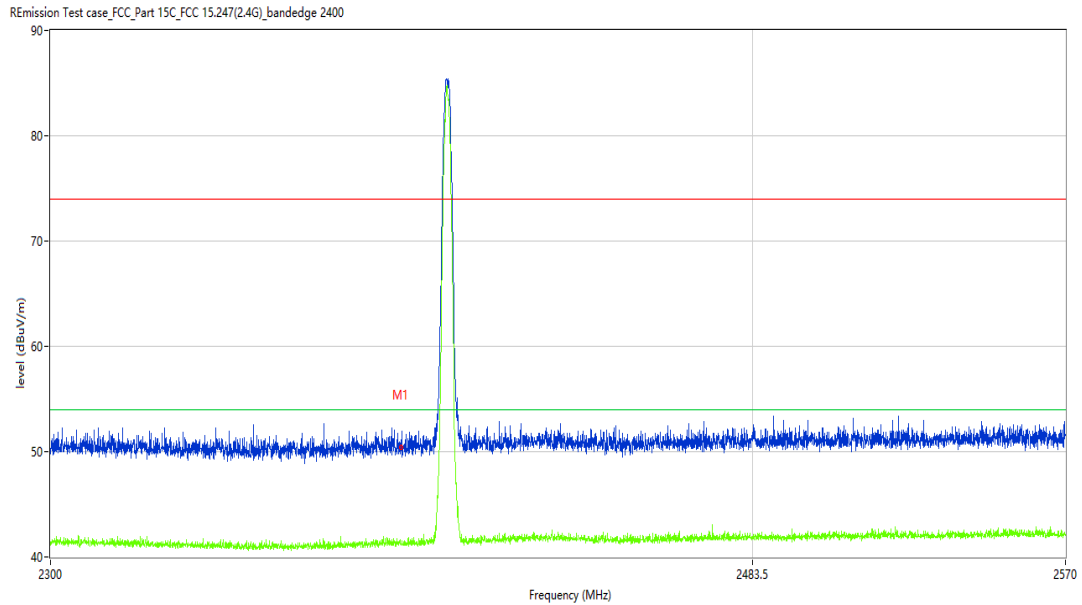
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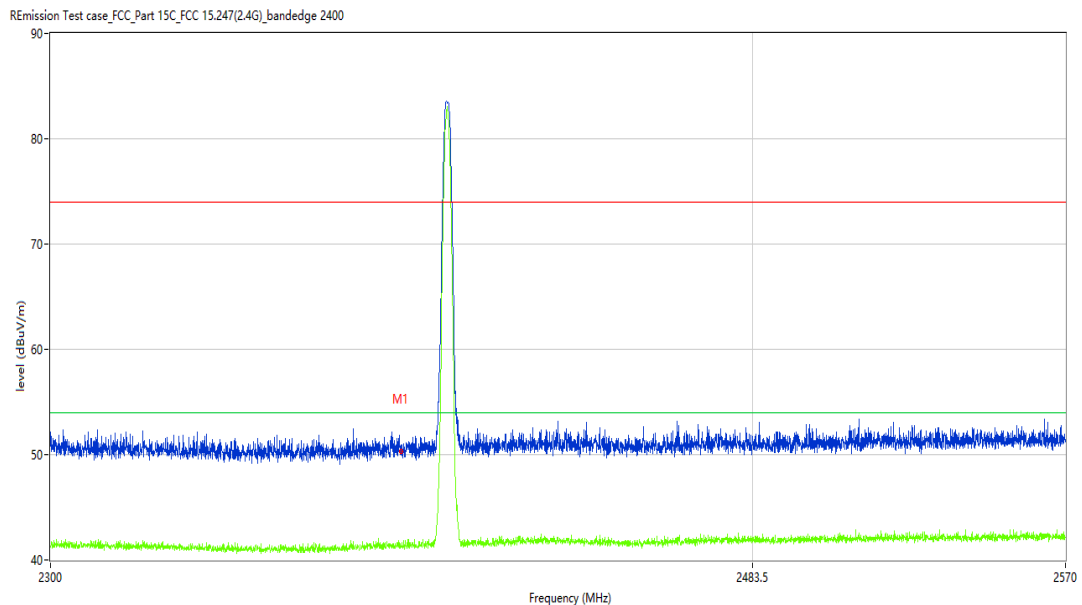
**Figure 39: Band Edge, BLE-1M, 2402MHz**

Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 50.48            | -9.96       | 74.0           | -23.52          | Peak     | 63.73          | 100         | Horizontal | Pass    |
| 1** | 2390.000        | 41.25            | -9.96       | 54.0           | -12.75          | AV       | 63.73          | 100         | Horizontal | Pass    |

Vertical polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 2390.000        | 50.40            | -9.96       | 74.0           | -23.60          | Peak     | 275.94         | 100         | Vertical | Pass    |
| 1** | 2390.000        | 41.30            | -9.96       | 54.0           | -12.70          | AV       | 275.94         | 100         | Vertical | Pass    |

# TEST REPORT

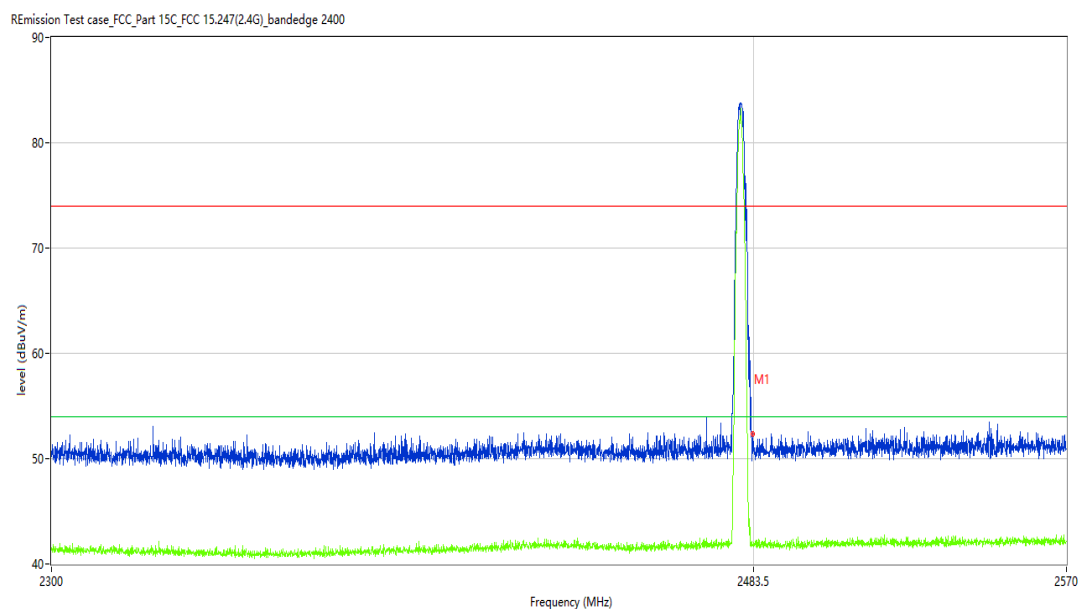
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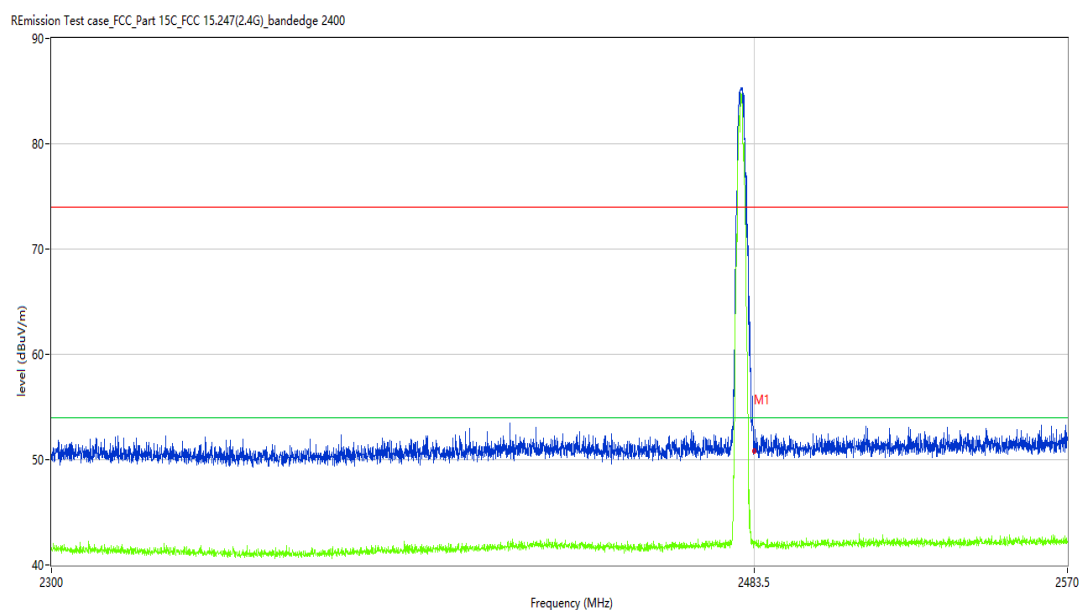
Figure 40: Band Edge, BLE-1M, 2480MHz

Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 50.37            | -9.51       | 74.0           | -23.63          | Peak     | 319.70         | 100         | Horizontal | Pass    |
| 1** | 2483.500        | 41.80            | -9.51       | 54.0           | -12.20          | AV       | 319.70         | 100         | Horizontal | Pass    |

Vertical polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 2483.500        | 50.80            | -9.51       | 74.0           | -23.20          | Peak     | 277.82         | 100         | Vertical | Pass    |
| 1** | 2483.500        | 41.91            | -9.51       | 54.0           | -12.09          | AV       | 277.82         | 100         | Vertical | Pass    |

# TEST REPORT

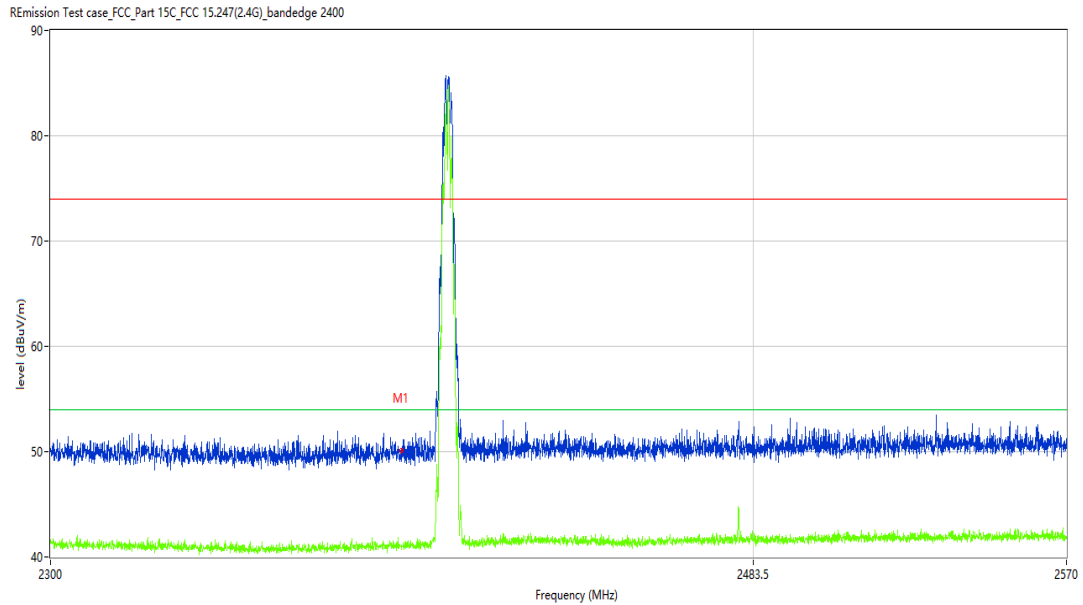
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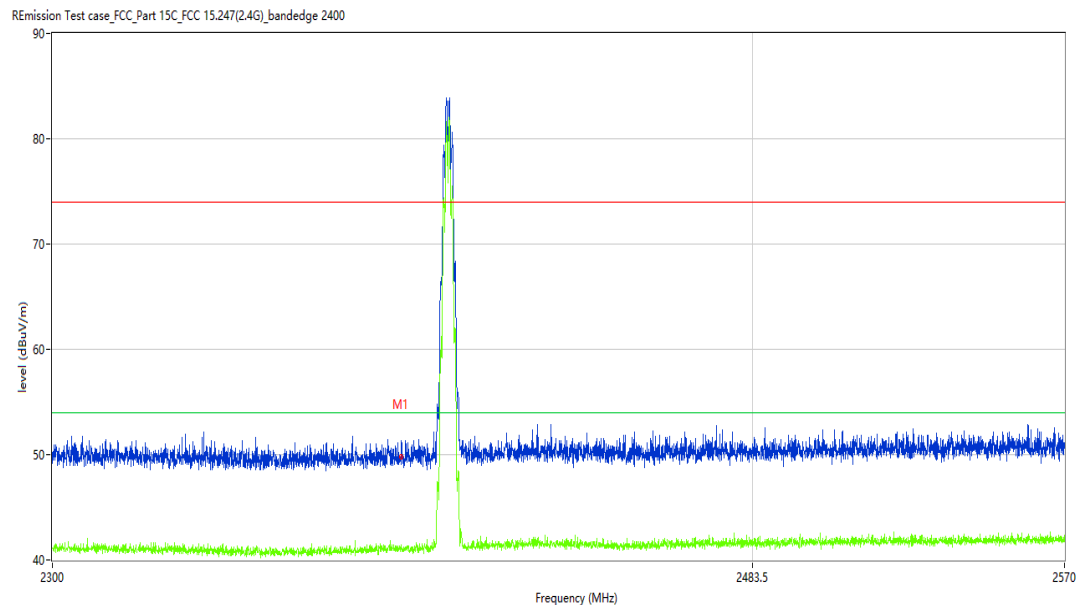
**Figure 41: Band Edge, BLE-2M, 2402MHz**

Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2390.000        | 50.26            | -9.96       | 74.0           | -23.74          | Peak     | 153.78         | 100         | Horizontal | Pass    |
| 1** | 2390.000        | 41.04            | -9.96       | 54.0           | -12.96          | AV       | 153.78         | 100         | Horizontal | Pass    |

Vertical polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna  | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|----------|---------|
| 1   | 2390.000        | 49.83            | -9.96       | 74.0           | -24.17          | Peak     | 115.61         | 100         | Vertical | Pass    |
| 1** | 2390.000        | 41.06            | -9.96       | 54.0           | -12.94          | AV       | 115.61         | 100         | Vertical | Pass    |

# TEST REPORT

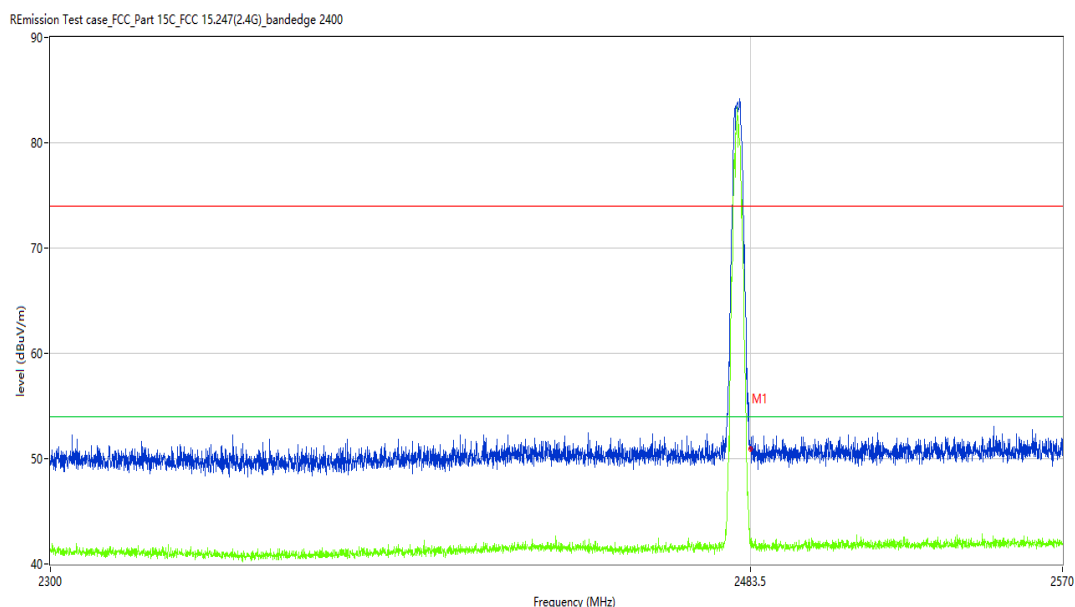
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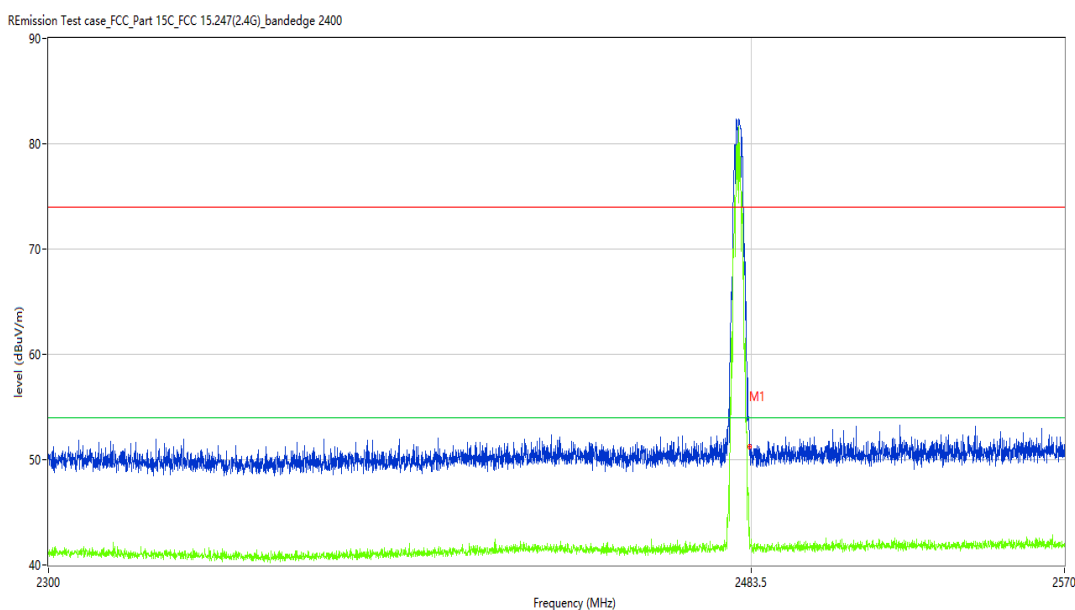
Figure 42: Band Edge, BLE-2M, 2480MHz

Horizontal polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna    | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|------------|---------|
| 1   | 2483.500        | 50.93            | -9.51       | 74.0           | -23.07          | Peak     | 195.63         | 100         | Horizontal | Pass    |
| 1** | 2483.500        | 42.00            | -9.51       | 54.0           | -12.00          | AV       | 195.63         | 100         | Horizontal | Pass    |

Vertical polarization



| No. | Frequency (MHz) | Results (dBuV/m) | Factor (dB) | Limit (dBuV/m) | Over Limit (dB) | Detector | Table (Degree) | Height (cm) | Antenna | Verdict |
|-----|-----------------|------------------|-------------|----------------|-----------------|----------|----------------|-------------|---------|---------|
| 1   | 2483.500        | 51.14            | -9.51       | 74.0           | -22.86          | Peak     | 244.49         | 100         | V       | Pass    |
| 1** | 2483.500        | 41.88            | -9.51       | 54.0           | -12.12          | AV       | 244.49         | 100         | V       | Pass    |

# TEST REPORT

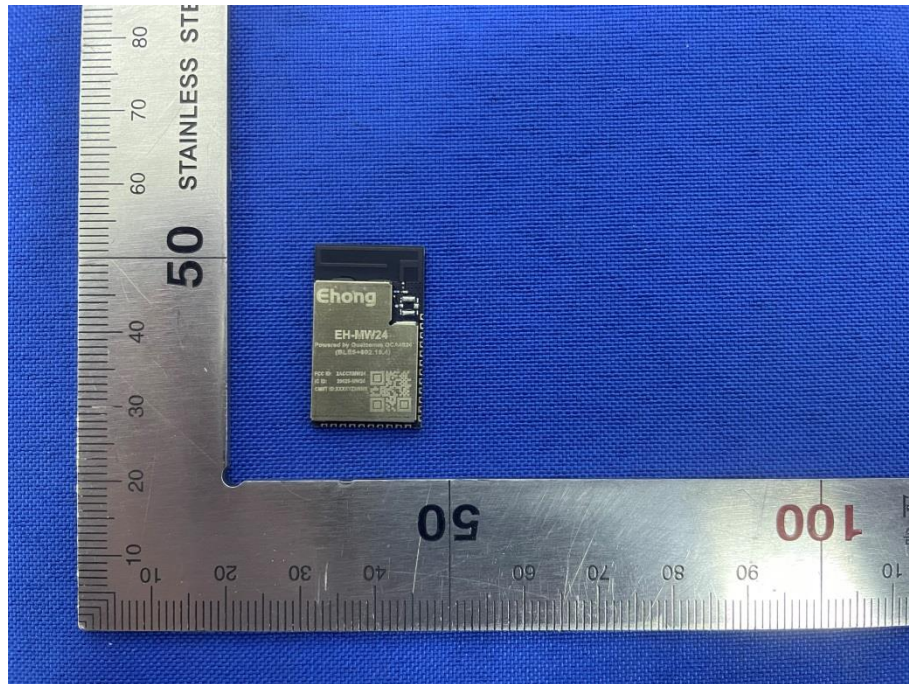
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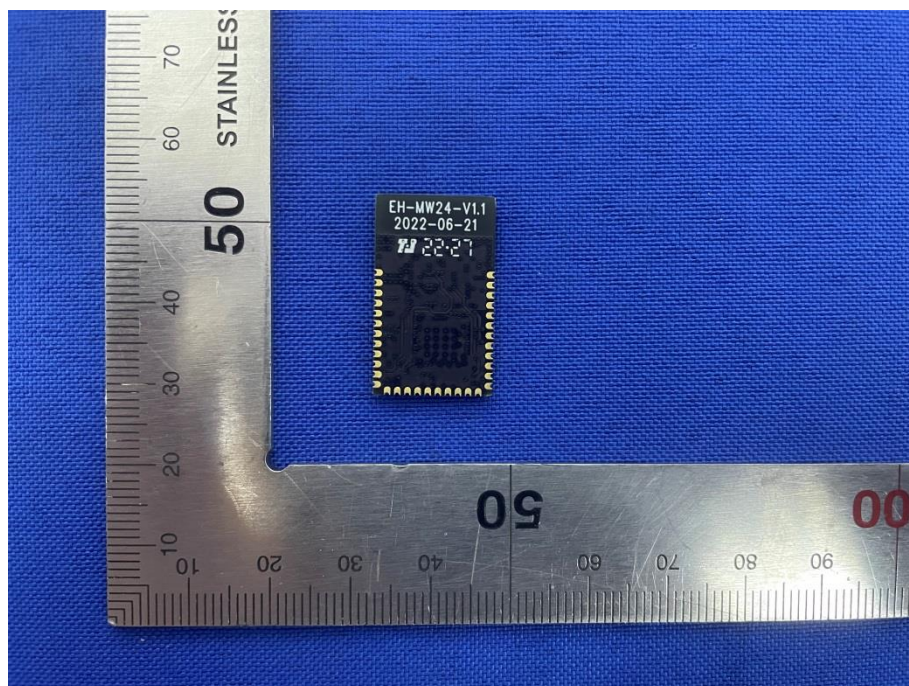
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## 5 Appendixes

### 5.1 Photographs of the Sample



Front of the sample



Rear of the sample



# TEST REPORT

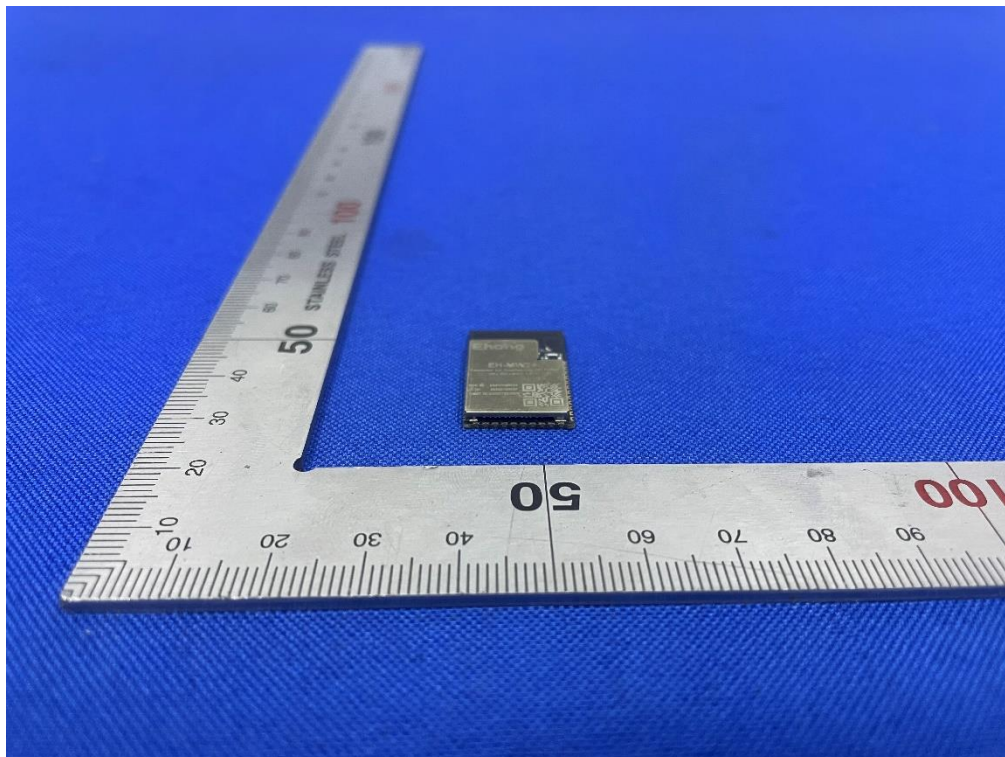
Report No.:

SHE22070069-02AE

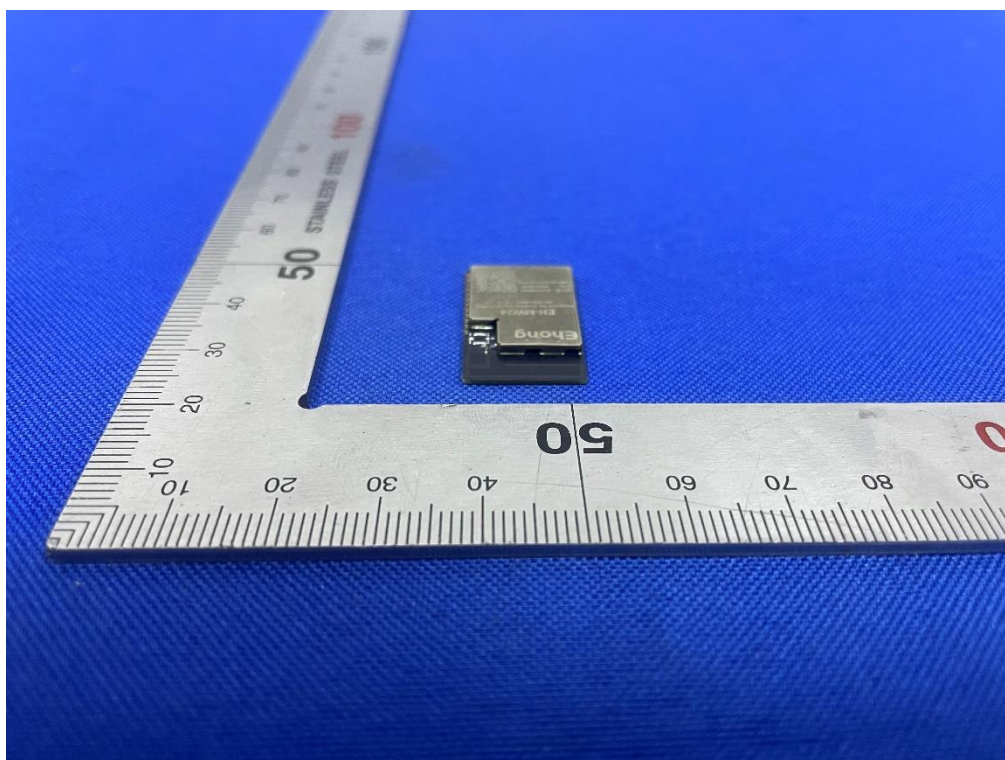
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Top of the sample



Bottom of the sample

# TEST REPORT

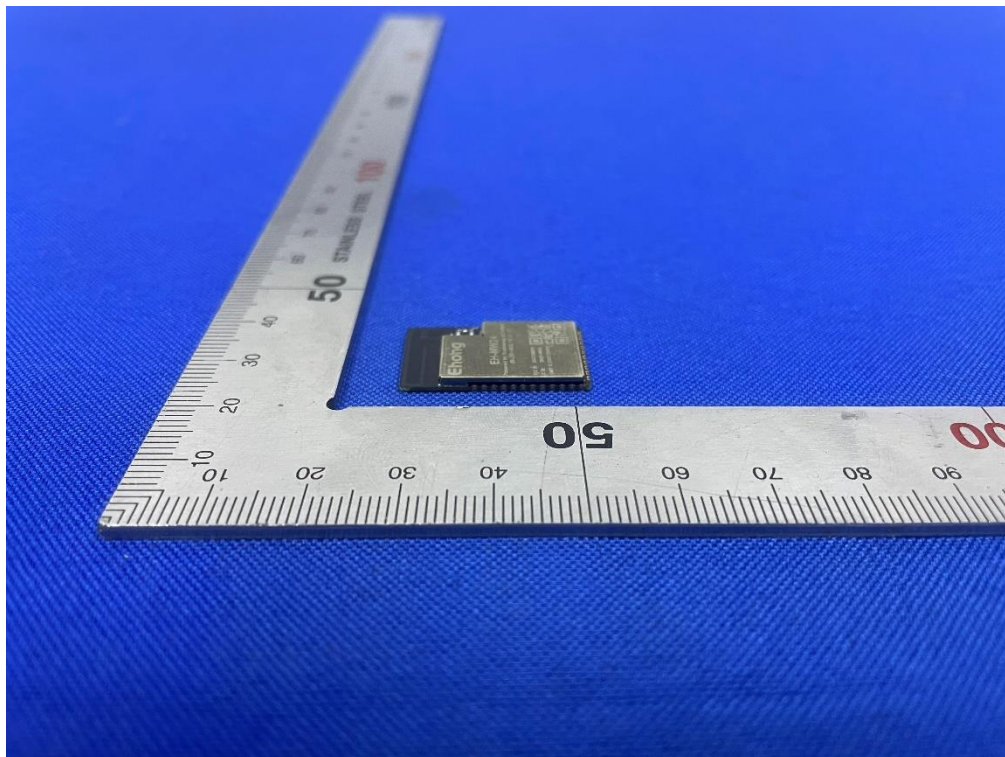
Report No.:

SHE22070069-02AE

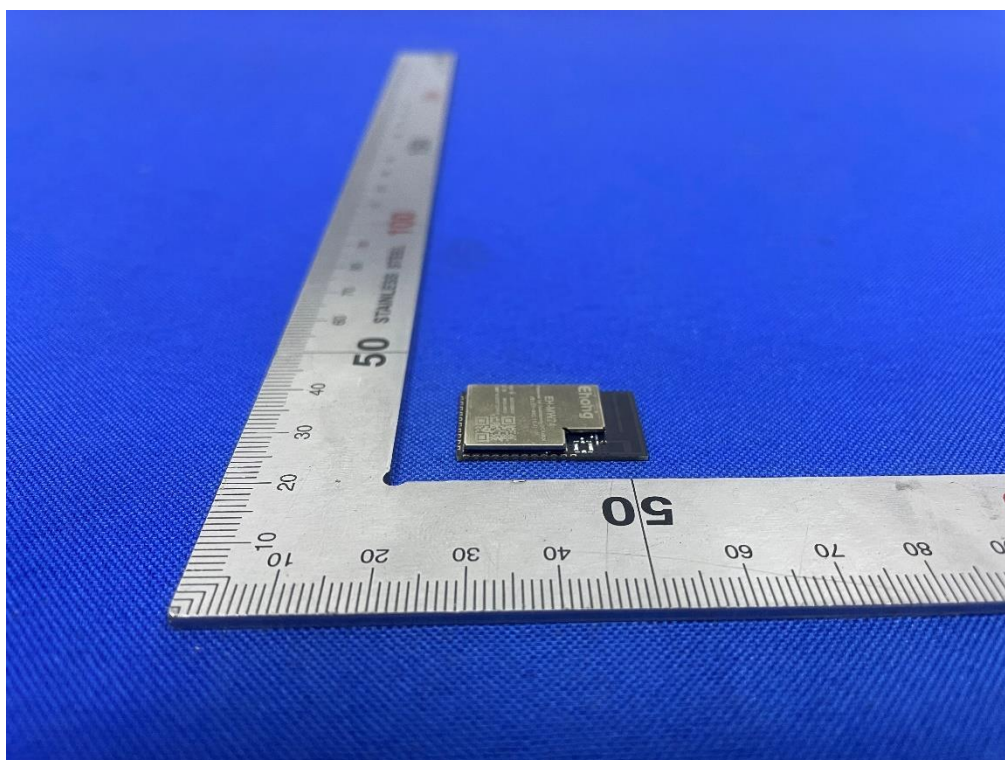
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Left of the sample



Right of the sample



# TEST REPORT

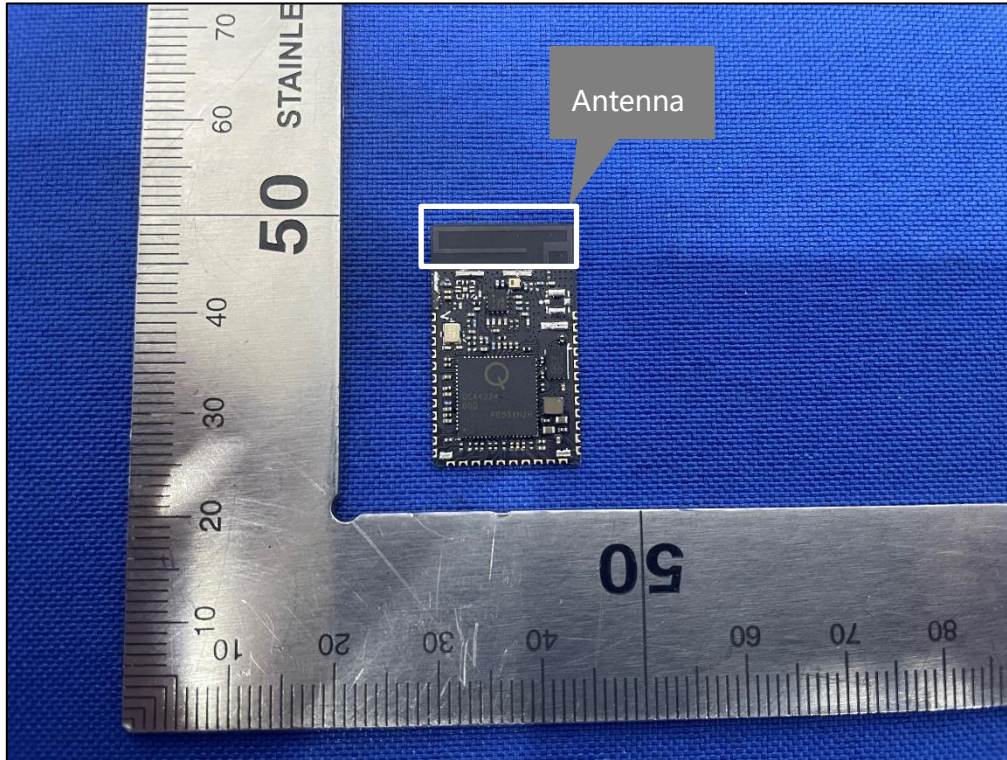
Report No.:

SHE22070069-02AE

Date:

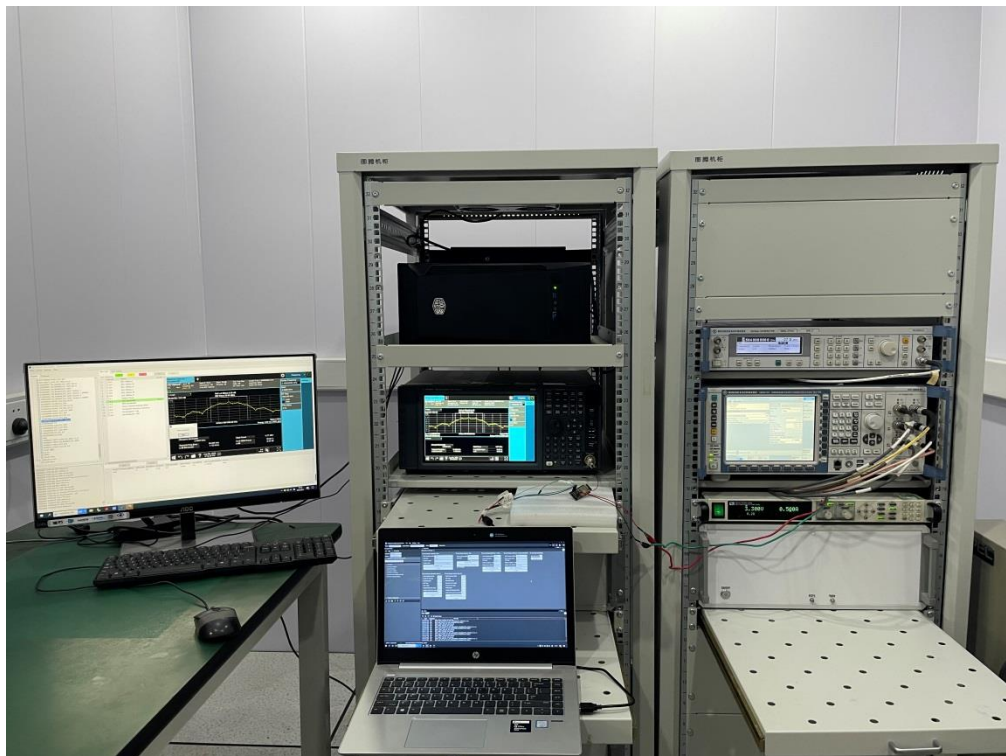
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Remove the shield cover

## 5.2 Set-up for Conducted RF test at Antenna Port





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## 5.3 Set-up for Spurious Emissions below 1GHz



## 5.4 Set-up for Spurious Emissions above 1GHz



\*\*\*End of the report\*\*\*