

## Appendix B: Test Results of Radiated Spurious Emissions & Mains

### Conducted Emission Test

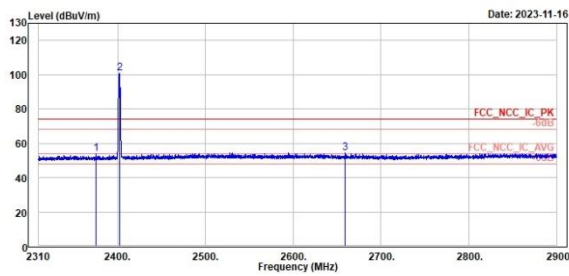
#### Band Edges, 2.31GHz ~ 2.9GHz

##### BLE\_1M

##### Low Channel (Horizontal) Peak



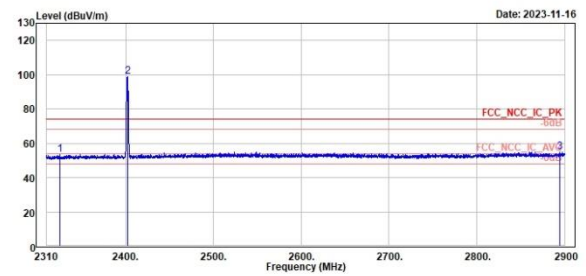
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| Freq | Level   | Read   | Level | Factor | Limit | Over   | APos | TPos | Remark | Pol/Phase  | Note |
|------|---------|--------|-------|--------|-------|--------|------|------|--------|------------|------|
| MHz  | dBuV/m  | dBuV   | dB/m  | dBuV/m | dB    | cm     | deg  |      |        |            |      |
| 1    | 2375.37 | 53.67  | 16.58 | 37.09  | 74.00 | -20.33 | 160  | 195  | Peak   | Horizontal |      |
| 2 *  | 2402.00 | 100.96 | 63.84 | 37.12  | 74.00 | 26.96  | 160  | 195  | Peak   | Horizontal |      |
| 3    | 2659.40 | 54.45  | 17.22 | 37.23  | 74.00 | -19.55 | 160  | 195  | Peak   | Horizontal |      |



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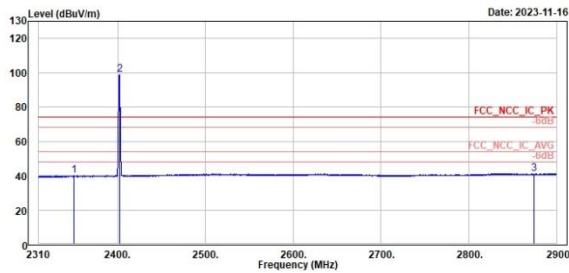
| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark | Pol/Phase | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|--------|-----------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | deg  |      |        |           |      |
| 1    | 2325.22 | 53.50 | 16.61 | 36.89  | 74.00 | -20.50 | 300  | 169  | Peak   | Vertical  |      |
| 2 *  | 2402.00 | 98.92 | 61.80 | 37.12  | 74.00 | 24.92  | 300  | 169  | Peak   | Vertical  |      |
| 3    | 2894.45 | 55.02 | 17.08 | 37.94  | 74.00 | -18.98 | 300  | 169  | Peak   | Vertical  |      |

**BLE\_1M**

**Low Channel (Horizontal) Average**



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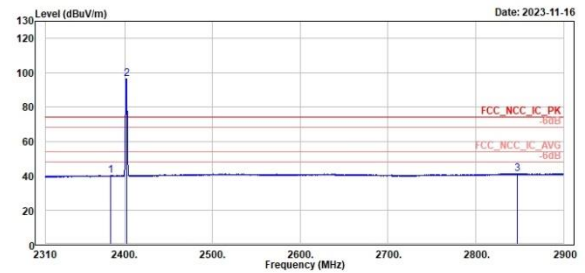


|     | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|-----|---------|--------|-------|-------|--------|--------|------|------|---------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |         |            |           |      |
| 1   | 2359.12 | 39.87  | 2.81  | 37.06 | 54.00  | -14.13 | 160  | 195  | Average | Horizontal |           |      |
| 2 * | 2402.00 | 98.64  | 61.52 | 37.12 | 54.00  | 44.64  | 160  | 195  | Average | Horizontal |           |      |
| 3   | 2874.51 | 41.11  | 3.27  | 37.84 | 54.00  | -12.89 | 160  | 195  | Average | Horizontal |           |      |

**Low Channel (Vertical) Average**



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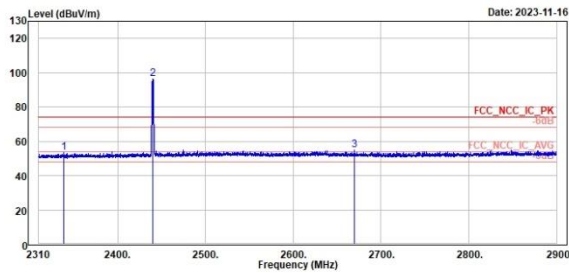
|     | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark   | Pol/Phase | Note |
|-----|---------|--------|-------|-------|--------|--------|------|------|---------|----------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |         |          |           |      |
| 1   | 2384.10 | 39.91  | 2.82  | 37.09 | 54.00  | -14.09 | 300  | 169  | Average | Vertical |           |      |
| 2 * | 2402.00 | 98.61  | 59.49 | 37.12 | 54.00  | 42.61  | 300  | 169  | Average | Vertical |           |      |
| 3   | 2847.02 | 41.19  | 3.49  | 37.70 | 54.00  | -12.81 | 300  | 169  | Average | Vertical |           |      |

**BLE\_1M**

**Middle Channel (Horizontal) Peak**



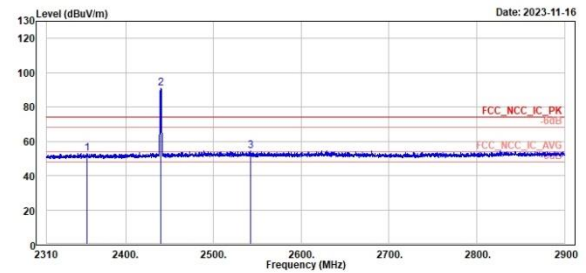
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| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark | Pol/Phase  | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|--------|------------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | cm   | deg  |        |            |      |
| 1    | 2338.91 | 53.21 | 16.23 | 36.98  | 74.00 | -20.79 | 129  | 194  | Peak   | Horizontal |      |
| 2 *  | 2448.00 | 96.60 | 59.22 | 37.38  | 74.00 | 22.60  | 129  | 194  | Peak   | Horizontal |      |
| 3    | 2669.90 | 54.91 | 17.69 | 37.22  | 74.00 | -19.09 | 129  | 194  | Peak   | Horizontal |      |



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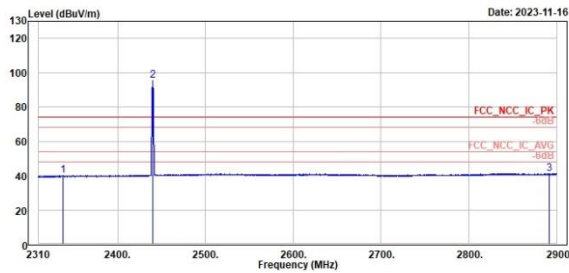
| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark | Pol/Phase | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|--------|-----------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | cm   | deg  |        |           |      |
| 1    | 2355.90 | 53.09 | 16.02 | 37.07  | 74.00 | -20.91 | 350  | 270  | Peak   | Vertical  |      |
| 2 *  | 2448.00 | 91.18 | 53.80 | 37.38  | 74.00 | 17.18  | 350  | 270  | Peak   | Vertical  |      |
| 3    | 2542.11 | 54.51 | 17.05 | 37.46  | 74.00 | -19.49 | 350  | 270  | Peak   | Vertical  |      |

**BLE\_1M**

**Middle Channel (Horizontal) Average**



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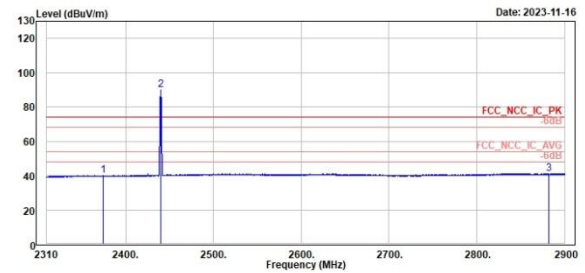


| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|---------|------------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | cm   | deg  |         |            |      |
| 1    | 2337.85 | 39.94 | 2.96  | 36.98  | 54.00 | -14.06 | 129  | 194  | Average | Horizontal |      |
| 2 *  | 2440.00 | 95.41 | 58.03 | 37.38  | 54.00 | 41.41  | 129  | 194  | Average | Horizontal |      |
| 3    | 2891.50 | 41.23 | 3.30  | 37.93  | 54.00 | -12.77 | 129  | 194  | Average | Horizontal |      |

**Middle Channel (Vertical) Average**



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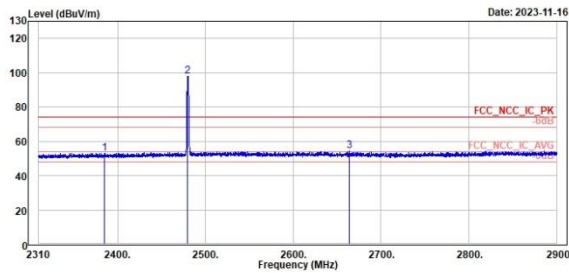
| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|---------|-----------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | cm   | deg  |         |           |      |
| 1    | 2374.55 | 39.94 | 2.86  | 37.08  | 54.00 | -14.06 | 350  | 270  | Average | Vertical  |      |
| 2 *  | 2440.00 | 90.00 | 52.62 | 37.38  | 54.00 | 36.00  | 350  | 270  | Average | Vertical  |      |
| 3    | 2881.59 | 41.19 | 3.31  | 37.88  | 54.00 | -12.81 | 350  | 270  | Average | Vertical  |      |

**BLE\_1M**

**High Channel (Horizontal) Peak**



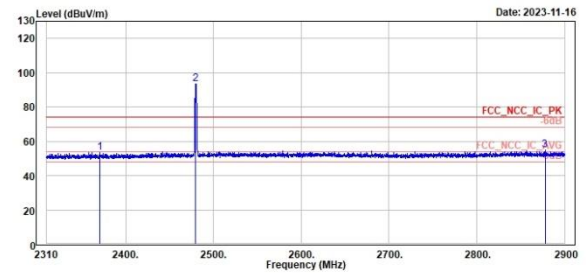
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| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark | Pol/Phase  | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|--------|------------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | deg  |      |        |            |      |
| 1    | 2385.17 | 52.91 | 15.82 | 37.09  | 74.00 | -21.09 | 100  | 236  | Peak   | Horizontal |      |
| 2 *  | 2488.00 | 97.85 | 60.37 | 37.48  | 74.00 | 23.85  | 100  | 236  | Peak   | Horizontal |      |
| 3    | 2664.24 | 54.38 | 17.16 | 37.22  | 74.00 | -19.62 | 100  | 236  | Peak   | Horizontal |      |



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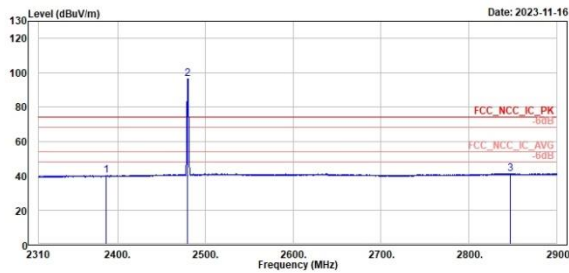
| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark | Pol/Phase | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|--------|-----------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | deg  |      |        |           |      |
| 1    | 2370.89 | 53.54 | 16.46 | 37.08  | 74.00 | -20.46 | 217  | 360  | Peak   | Vertical  |      |
| 2 *  | 2488.00 | 93.56 | 56.08 | 37.48  | 74.00 | 19.56  | 217  | 360  | Peak   | Vertical  |      |
| 3    | 2877.58 | 54.89 | 17.03 | 37.86  | 74.00 | -19.11 | 217  | 360  | Peak   | Vertical  |      |

**BLE\_1M**

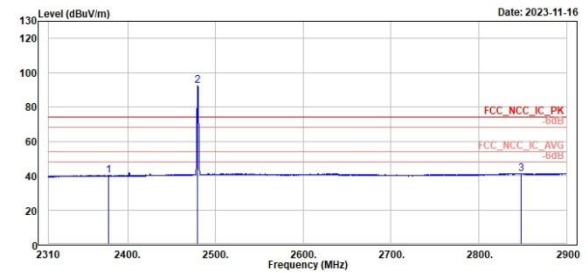
**High Channel (Horizontal) Average**



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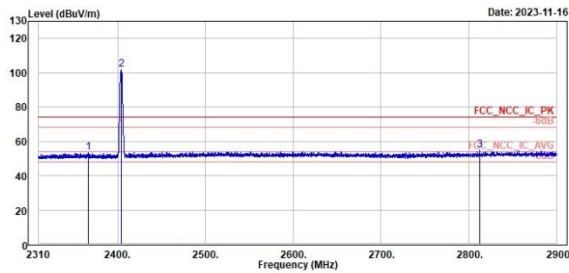


**BLE\_2M**

**Low Channel (Horizontal) Peak**



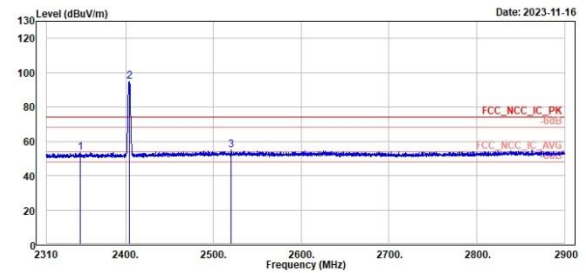
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| Freq | Level   | Read   | Level | Factor | Limit | Over   | APos | TPos | Remark | Pol/Phase  | Note |
|------|---------|--------|-------|--------|-------|--------|------|------|--------|------------|------|
| MHz  | dBuV/m  | dBuV   | dB/m  | dBuV/m | dB    | cm     | cm   | deg  |        |            |      |
| 1    | 2366.88 | 53.27  | 16.19 | 37.08  | 74.00 | -20.73 | 160  | 191  | Peak   | Horizontal |      |
| 2 *  | 2404.00 | 101.76 | 64.63 | 37.13  | 74.00 | 27.76  | 160  | 191  | Peak   | Horizontal |      |
| 3    | 2812.33 | 54.64  | 17.25 | 37.39  | 74.00 | -19.36 | 160  | 191  | Peak   | Horizontal |      |



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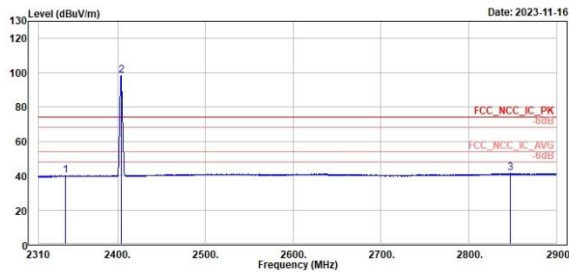
| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark | Pol/Phase | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|--------|-----------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | cm   | deg  |        |           |      |
| 1    | 2348.00 | 53.24 | 16.19 | 37.05  | 74.00 | -20.76 | 122  | 269  | Peak   | Vertical  |      |
| 2 *  | 2404.00 | 95.04 | 57.91 | 37.13  | 74.00 | 21.04  | 122  | 269  | Peak   | Vertical  |      |
| 3    | 2520.28 | 54.79 | 17.31 | 37.48  | 74.00 | -19.21 | 122  | 269  | Peak   | Vertical  |      |

**BLE\_2M**

**Low Channel (Horizontal) Average**



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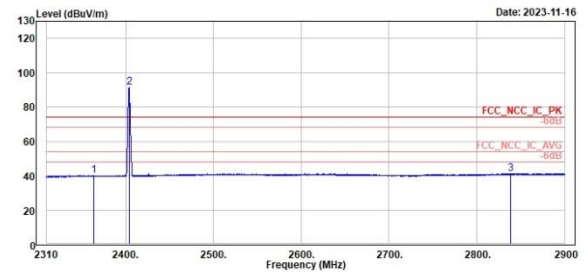


| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|---------|------------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | deg  |      |         |            |      |
| 1    | 2340.00 | 40.13 | 3.14  | 36.99  | 54.00 | -13.87 | 160  | 191  | Average | Horizontal |      |
| 2 *  | 2404.00 | 98.55 | 61.42 | 37.13  | 54.00 | 44.55  | 160  | 191  | Average | Horizontal |      |
| 3    | 2846.90 | 41.28 | 3.58  | 37.70  | 54.00 | -12.72 | 160  | 191  | Average | Horizontal |      |

**Low Channel (Vertical) Average**



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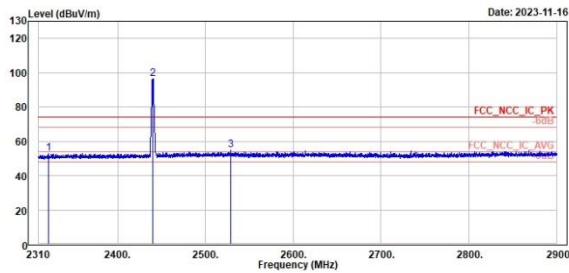
| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|---------|-----------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | deg  |      |         |           |      |
| 1    | 2364.16 | 39.99 | 2.91  | 37.08  | 54.00 | -14.01 | 122  | 269  | Average | Vertical  |      |
| 2 *  | 2404.00 | 91.63 | 54.50 | 37.13  | 54.00 | 37.63  | 122  | 269  | Average | Vertical  |      |
| 3    | 2838.29 | 41.25 | 3.63  | 37.62  | 54.00 | -12.75 | 122  | 269  | Average | Vertical  |      |

**BLE\_2M**

**Middle Channel (Horizontal) Peak**



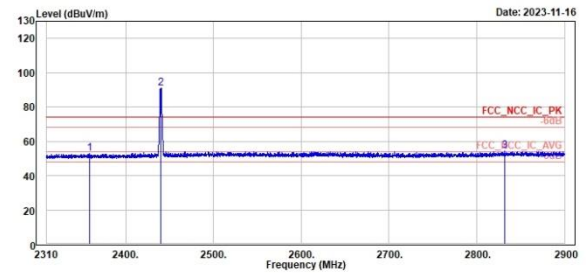
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| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark | Pol/Phase  | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|--------|------------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | cm   | deg  |        |            |      |
| 1    | 2321.56 | 52.97 | 16.10 | 36.87  | 74.00 | -21.03 | 130  | 193  | Peak   | Horizontal |      |
| 2 *  | 2440.00 | 96.61 | 59.23 | 37.38  | 74.00 | 22.61  | 130  | 193  | Peak   | Horizontal |      |
| 3    | 2528.65 | 54.66 | 17.19 | 37.47  | 74.00 | -19.34 | 130  | 193  | Peak   | Horizontal |      |



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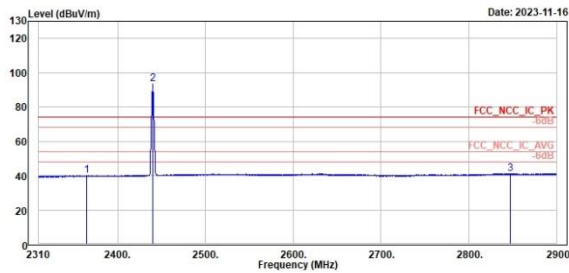
| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark | Pol/Phase | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|--------|-----------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | cm   | deg  |        |           |      |
| 1    | 2358.97 | 53.01 | 15.94 | 37.07  | 74.00 | -20.99 | 350  | 271  | Peak   | Vertical  |      |
| 2 *  | 2440.00 | 91.01 | 53.63 | 37.38  | 74.00 | 17.01  | 350  | 271  | Peak   | Vertical  |      |
| 3    | 2831.56 | 54.23 | 16.67 | 37.56  | 74.00 | -19.77 | 350  | 271  | Peak   | Vertical  |      |

**BLE\_2M**

**Middle Channel (Horizontal) Average**



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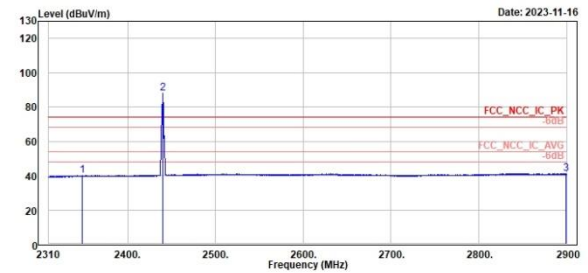


| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|---------|------------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | cm   | deg  |         |            |      |
| 1    | 2364.52 | 39.99 | 2.91  | 37.08  | 54.00 | -14.01 | 130  | 193  | Average | Horizontal |      |
| 2 *  | 2440.00 | 95.46 | 56.88 | 37.58  | 54.00 | 39.46  | 130  | 193  | Average | Horizontal |      |
| 3    | 2847.61 | 41.21 | 3.51  | 37.70  | 54.00 | -12.79 | 130  | 193  | Average | Horizontal |      |

**Middle Channel (Vertical) Average**



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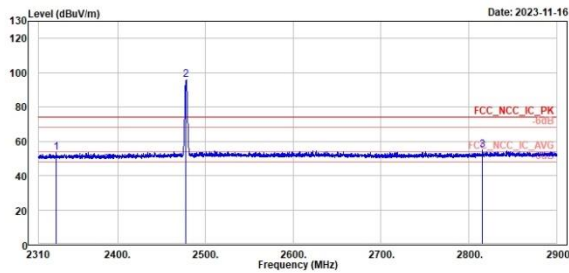
| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|---------|-----------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | cm   | deg  |         |           |      |
| 1    | 2348.82 | 39.91 | 2.86  | 37.05  | 54.00 | -14.09 | 350  | 271  | Average | Vertical  |      |
| 2 *  | 2440.00 | 87.85 | 50.47 | 37.38  | 54.00 | 33.85  | 350  | 271  | Average | Vertical  |      |
| 3    | 2898.82 | 41.18 | 3.21  | 37.97  | 54.00 | -12.82 | 350  | 271  | Average | Vertical  |      |

**BLE\_2M**

**High Channel (Horizontal) Peak**



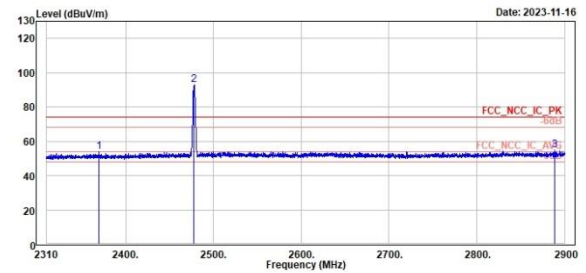
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| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos     | Remark     | Pol/Phase | Note |
|------|---------|-------|-------|--------|-------|--------|------|----------|------------|-----------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | cm   | deg      |            |           |      |
| 1    | 2330.18 | 53.30 | 16.38 | 36.92  | 74.00 | -20.70 | 100  | 234 Peak | Horizontal |           |      |
| 2 *  | 2478.00 | 95.95 | 58.47 | 37.48  | 74.00 | 21.95  | 100  | 234 Peak | Horizontal |           |      |
| 3    | 2815.04 | 54.68 | 17.27 | 37.41  | 74.00 | -19.32 | 100  | 234 Peak | Horizontal |           |      |



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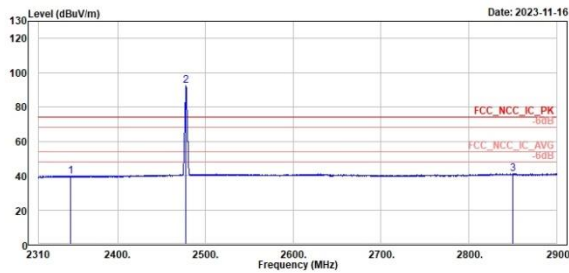
| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos    | Remark   | Pol/Phase | Note |
|------|---------|-------|-------|--------|-------|--------|------|---------|----------|-----------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | cm   | deg     |          |           |      |
| 1    | 2369.94 | 53.75 | 16.67 | 37.08  | 74.00 | -20.25 | 399  | 20 Peak | Vertical |           |      |
| 2 *  | 2478.00 | 92.96 | 55.48 | 37.48  | 74.00 | 18.96  | 399  | 20 Peak | Vertical |           |      |
| 3    | 2888.32 | 54.74 | 16.83 | 37.91  | 74.00 | -19.26 | 399  | 20 Peak | Vertical |           |      |

**BLE\_2M**

**High Channel (Horizontal) Average**



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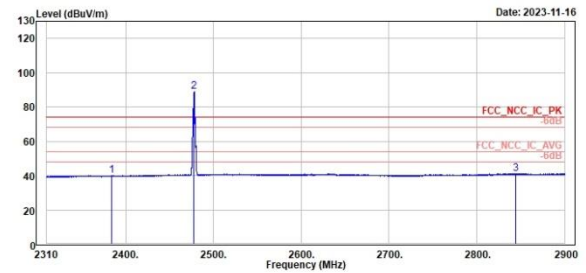


| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark  | Pol/Phase  | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|---------|------------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | deg  |      |         |            |      |
| 1    | 2346.58 | 39.78 | 2.74  | 37.04  | 54.00 | -14.22 | 100  | 234  | Average | Horizontal |      |
| 2 *  | 2478.00 | 92.49 | 55.01 | 37.48  | 54.00 | 38.49  | 100  | 234  | Average | Horizontal |      |
| 3    | 2849.85 | 40.98 | 3.26  | 37.72  | 54.00 | -13.02 | 100  | 234  | Average | Horizontal |      |

**High Channel (Vertical) Average**



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| Freq | Level   | Read  | Level | Factor | Limit | Over   | APos | TPos | Remark  | Pol/Phase | Note |
|------|---------|-------|-------|--------|-------|--------|------|------|---------|-----------|------|
| MHz  | dBuV/m  | dBuV  | dB/m  | dBuV/m | dB    | cm     | deg  |      |         |           |      |
| 1    | 2383.75 | 39.97 | 2.88  | 37.09  | 54.00 | -14.03 | 399  | 20   | Average | Vertical  |      |
| 2 *  | 2478.00 | 92.94 | 51.46 | 37.48  | 54.00 | 38.94  | 399  | 20   | Average | Vertical  |      |
| 3    | 2844.07 | 41.18 | 3.51  | 37.67  | 54.00 | -12.82 | 399  | 20   | Average | Vertical  |      |

# Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

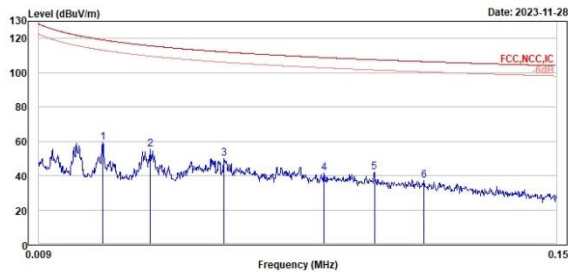
## BLE\_1M

### High Channel (Open) 9kHz~150kHz

### High Channel (Open) 150kHz~30MHz



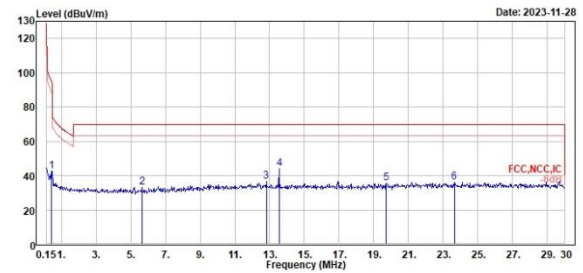
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| Peak | Freq | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase | Note |
|------|------|--------|-------|-------|--------|--------|------|------|------|--------|-----------|------|
|      | MHz  | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |      |        |           |      |
| 1    | 0.03 | 59.07  | 40.12 | 18.95 | 119.13 | -69.06 | 100  | 147  | Peak | Open   |           |      |
| 2    | 0.04 | 55.29  | 36.13 | 19.16 | 115.70 | -69.41 | 100  | 178  | Peak | Open   |           |      |
| 3    | 0.06 | 50.10  | 31.21 | 18.89 | 112.11 | -62.01 | 100  | 178  | Peak | Open   |           |      |
| 4    | 0.09 | 41.49  | 23.25 | 18.24 | 108.85 | -67.36 | 100  | 176  | Peak | Open   |           |      |
| 5    | 0.10 | 41.88  | 23.95 | 17.93 | 107.56 | -65.68 | 100  | 178  | Peak | Open   |           |      |
| 6    | 0.11 | 37.32  | 19.33 | 17.99 | 106.48 | -69.16 | 100  | 172  | Peak | Open   |           |      |



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| Peak | Freq  | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase | Note |
|------|-------|--------|-------|-------|--------|--------|------|------|------|--------|-----------|------|
|      | MHz   | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |      |        |           |      |
| 1    | 0.45  | 42.70  | 23.88 | 18.82 | 94.57  | -51.87 | 100  | 182  | Peak | Open   |           |      |
| 2    | 5.64  | 33.18  | 13.42 | 19.76 | 69.50  | -36.32 | 100  | 44   | Peak | Open   |           |      |
| 3    | 12.81 | 36.42  | 14.67 | 21.75 | 69.50  | -33.08 | 100  | 360  | Peak | Open   |           |      |
| 4    | 13.55 | 43.84  | 22.04 | 21.80 | 69.50  | -25.66 | 100  | 102  | Peak | Open   |           |      |
| 5    | 19.70 | 35.53  | 13.31 | 22.22 | 69.50  | -33.97 | 100  | 66   | Peak | Open   |           |      |
| 6    | 23.64 | 36.07  | 13.80 | 22.27 | 69.50  | -33.43 | 100  | 93   | Peak | Open   |           |      |

## Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

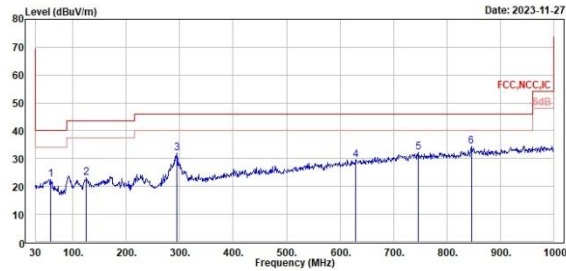
### BLE\_1M

#### High Channel (Horizontal)

#### High Channel (Vertical)



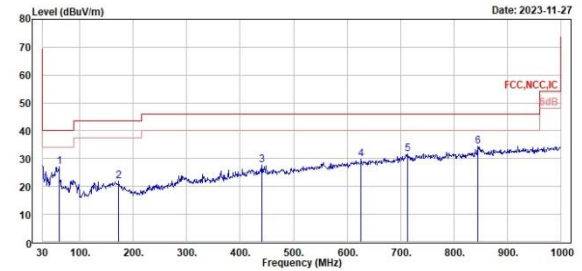
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|   | Freq   | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase  | Note |
|---|--------|--------|-------|-------|--------|--------|------|------|------|--------|------------|------|
|   | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |        |            |      |
| 1 | 58.13  | 22.47  | 29.96 | -7.49 | 40.00  | -17.53 |      | 200  | 92   | Peak   | Horizontal |      |
| 2 | 125.06 | 22.97  | 32.83 | -9.86 | 43.50  | -20.53 |      | 200  | 96   | Peak   | Horizontal |      |
| 3 | 293.84 | 31.82  | 38.66 | -6.84 | 46.00  | -14.18 |      | 100  | 120  | Peak   | Horizontal |      |
| 4 | 628.49 | 29.50  | 29.14 | 0.36  | 46.00  | -16.50 |      | 100  | 86   | Peak   | Horizontal |      |
| 5 | 745.86 | 32.14  | 29.66 | 2.48  | 46.00  | -13.86 |      | 200  | 134  | Peak   | Horizontal |      |
| 6 | 845.77 | 34.39  | 30.69 | 3.70  | 46.00  | -11.61 |      | 200  | 242  | Peak   | Horizontal |      |



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|   | Freq   | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase | Note |
|---|--------|--------|-------|-------|--------|--------|------|------|------|--------|-----------|------|
|   | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |        |           |      |
| 1 | 61.04  | 26.97  | 34.93 | -7.96 | 40.00  | -13.03 |      | 200  | 196  | Peak   | Vertical  |      |
| 2 | 172.59 | 22.01  | 29.35 | -7.34 | 43.50  | -21.49 |      | 100  | 344  | Peak   | Vertical  |      |
| 3 | 440.31 | 27.82  | 31.14 | -3.32 | 46.00  | -18.18 |      | 200  | 181  | Peak   | Vertical  |      |
| 4 | 626.55 | 29.75  | 29.45 | 0.30  | 46.00  | -16.25 |      | 200  | 200  | Peak   | Vertical  |      |
| 5 | 713.85 | 31.74  | 30.10 | 1.64  | 46.00  | -14.26 |      | 100  | 74   | Peak   | Vertical  |      |
| 6 | 844.80 | 34.50  | 30.78 | 3.72  | 46.00  | -11.50 |      | 200  | 20   | Peak   | Vertical  |      |

## Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

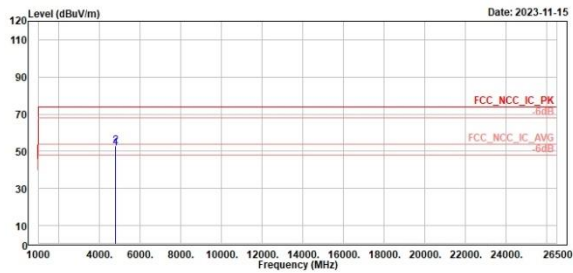
### BLE\_1M

#### Low Channel (Horizontal)

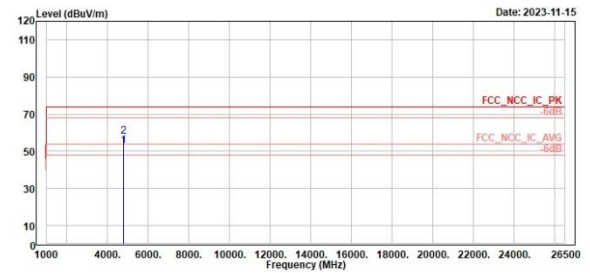
#### Low Channel (Vertical)



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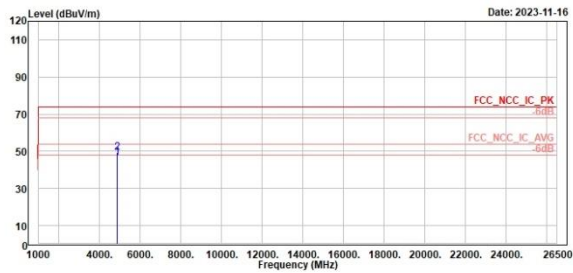


**BLE\_1M**

**Middle Channel (Horizontal)**



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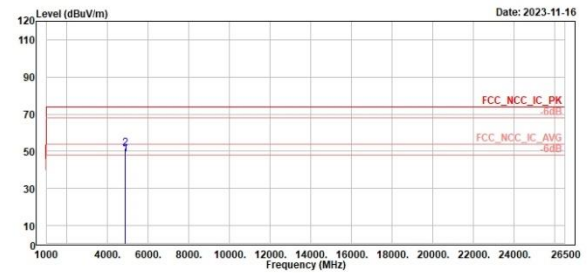


|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |           |      |
| 1 | 4880.00 | 46.52  | 56.85 | -10.33 | 54.00  | -7.48  | 100  | 248  | Average | Horizontal |           |      |
| 2 | 4880.00 | 49.11  | 59.44 | -10.33 | 74.00  | -24.89 | 100  | 248  | Peak    | Horizontal |           |      |

**Middle Channel (Vertical)**



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|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark   | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|----------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |          |           |      |
| 1 | 4880.00 | 48.33  | 58.66 | -10.33 | 54.00  | -5.67  | 107  | 140  | Average | Vertical |           |      |
| 2 | 4880.00 | 51.39  | 61.72 | -10.33 | 74.00  | -22.61 | 107  | 140  | Peak    | Vertical |           |      |

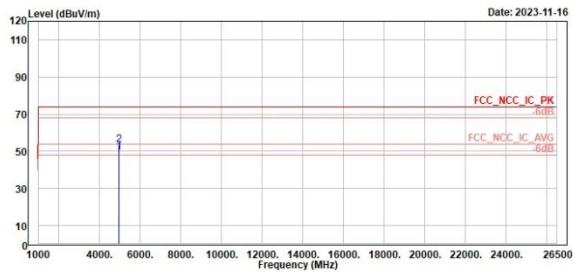
**BLE\_1M**

**High Channel (Horizontal)**

**High Channel (Vertical)**



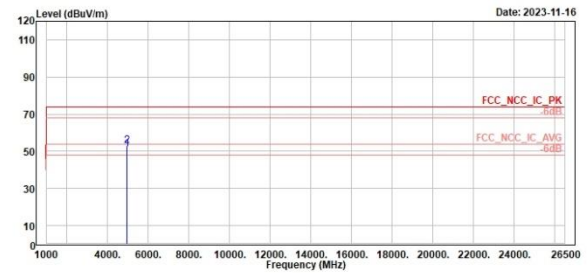
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|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |           |      |
| 1 | 4960.00 | 49.16  | 59.38 | -10.22 | 54.00  | -4.84  | 180  | 232  | Average | Horizontal |           |      |
| 2 | 4960.00 | 53.31  | 63.53 | -10.22 | 74.00  | -20.69 | 180  | 232  | Peak    | Horizontal |           |      |



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|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark   | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|----------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |          |           |      |
| 1 | 4960.00 | 51.04  | 61.26 | -10.22 | 54.00  | -2.96  | 180  | 119  | Average | Vertical |           |      |
| 2 | 4960.00 | 53.08  | 63.30 | -10.22 | 74.00  | -20.92 | 180  | 119  | Peak    | Vertical |           |      |

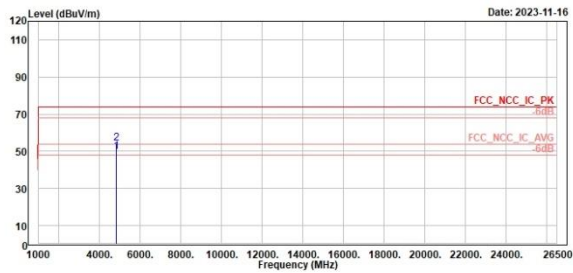
**BLE\_2M**

**Low Channel (Horizontal)**

**Low Channel (Vertical)**



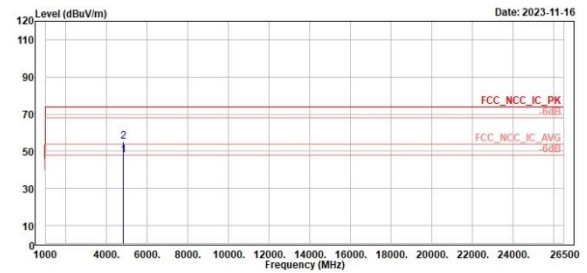
TÜV Rheinland Taiwan Ltd.  
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|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |           |      |
| 1 | 4880.00 | 49.65  | 60.83 | -10.38 | 54.00  | -4.35  | 357  | 265  | Average | Horizontal |           |      |
| 2 | 4880.00 | 54.41  | 64.79 | -10.38 | 74.00  | -19.59 | 357  | 265  | Peak    | Horizontal |           |      |



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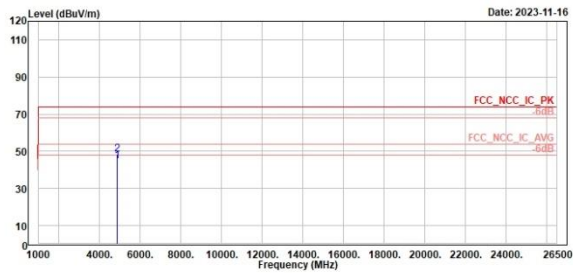
|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark   | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|----------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |          |           |      |
| 1 | 4880.00 | 48.09  | 58.47 | -10.38 | 54.00  | -5.91  | 183  | 153  | Average | Vertical |           |      |
| 2 | 4880.00 | 55.41  | 65.79 | -10.38 | 74.00  | -18.59 | 183  | 153  | Peak    | Vertical |           |      |

**BLE\_2M**

**Middle Channel (Horizontal)**



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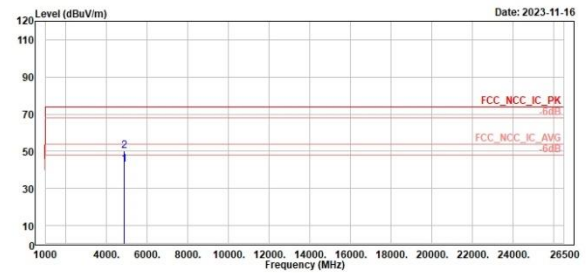


|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |           |      |
| 1 | 4880.00 | 44.58  | 54.83 | -10.33 | 54.00  | -9.50  | 347  | 267  | Average | Horizontal |           |      |
| 2 | 4880.00 | 48.39  | 58.72 | -10.33 | 74.00  | -25.61 | 347  | 267  | Peak    | Horizontal |           |      |

**Middle Channel (Vertical)**



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|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark   | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|----------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |          |           |      |
| 1 | 4880.00 | 43.10  | 53.43 | -10.33 | 54.00  | -10.90 | 180  | 139  | Average | Vertical |           |      |
| 2 | 4880.00 | 49.96  | 60.29 | -10.33 | 74.00  | -24.04 | 180  | 139  | Peak    | Vertical |           |      |

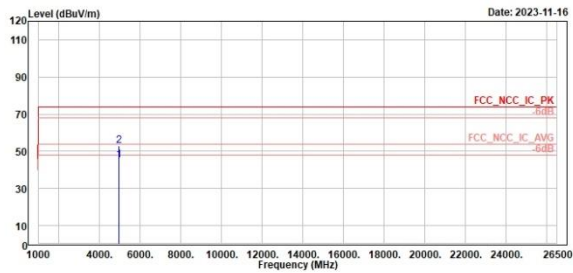
**BLE\_2M**

**High Channel (Horizontal)**

**High Channel (Vertical)**



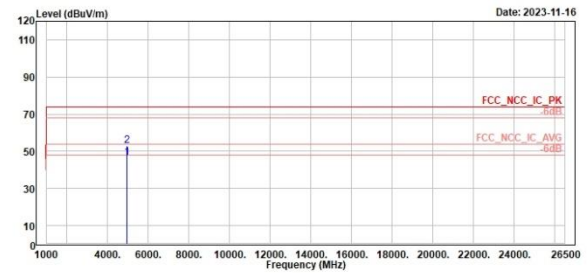
TÜV Rheinland Taiwan Ltd.  
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|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |            |           |      |
| 1 | 4956.00 | 45.19  | 55.41 | -10.22 | 54.00  | -8.81  | 102  | 259  | Average | Horizontal |           |      |
| 2 | 4956.00 | 52.76  | 62.98 | -10.22 | 74.00  | -21.24 | 102  | 259  | Peak    | Horizontal |           |      |



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|   | Freq    | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos    | Remark   | Pol/Phase | Note |
|---|---------|--------|-------|--------|--------|--------|------|------|---------|----------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |         |          |           |      |
| 1 | 4956.00 | 46.61  | 56.83 | -10.22 | 54.00  | -7.39  | 122  | 153  | Average | Vertical |           |      |
| 2 | 4956.00 | 52.91  | 63.13 | -10.22 | 74.00  | -21.09 | 122  | 153  | Peak    | Vertical |           |      |

## Mains Conducted Emission, 150kHz ~ 30MHz

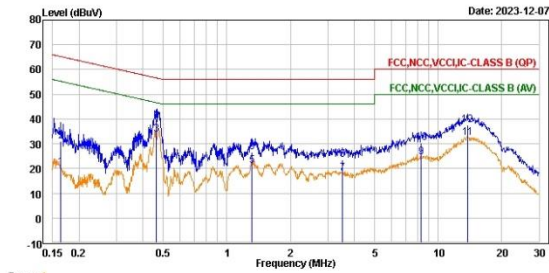
### Worst Band

#### (Line)

#### (Neutral)



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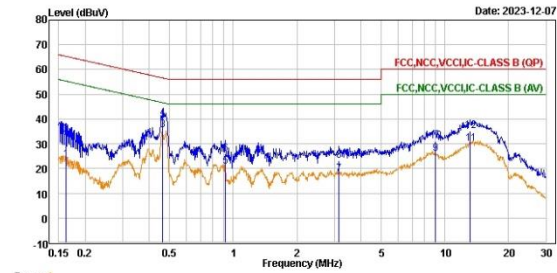


Trace: 1

| Line | Freq (MHz) | Level (dBuV) | Read Level (dBuV) | Factor (dB) | Limit (dBuV) | Over Limit (dB) | Remark  | Pol/Phase | Note |
|------|------------|--------------|-------------------|-------------|--------------|-----------------|---------|-----------|------|
| 1    | 0.16       | 20.49        | 10.87             | 9.62        | 55.25        | -34.76          | Average | line1     |      |
| 2    | 0.16       | 30.92        | 21.30             | 9.62        | 65.25        | -34.33          | QP      | line1     |      |
| 3    | 0.46       | 33.92        | 24.29             | 9.63        | 46.64        | -12.72          | Average | line1     |      |
| 4    | 0.46       | 40.02        | 30.39             | 9.63        | 56.64        | -16.62          | QP      | line1     |      |
| 5    | 1.31       | 21.05        | 11.41             | 9.64        | 46.00        | -24.95          | Average | line1     |      |
| 6    | 1.31       | 26.78        | 17.14             | 9.64        | 56.00        | -29.22          | QP      | line1     |      |
| 7    | 3.52       | 18.11        | 8.43              | 9.68        | 46.00        | -27.89          | Average | line1     |      |
| 8    | 3.52       | 23.67        | 13.99             | 9.68        | 56.00        | -32.33          | QP      | line1     |      |
| 9    | 8.33       | 24.69        | 14.95             | 9.74        | 50.00        | -25.31          | Average | line1     |      |
| 10   | 8.33       | 30.27        | 20.53             | 9.74        | 60.00        | -29.73          | QP      | line1     |      |
| 11   | 13.72      | 32.31        | 22.55             | 9.76        | 50.00        | -17.69          | Average | line1     |      |
| 12   | 13.72      | 37.44        | 27.68             | 9.76        | 60.00        | -22.56          | QP      | line1     |      |



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Trace: 1

| Line | Freq (MHz) | Level (dBuV) | Read Level (dBuV) | Factor (dB) | Limit (dBuV) | Over Limit (dB) | Remark  | Pol/Phase | Note |
|------|------------|--------------|-------------------|-------------|--------------|-----------------|---------|-----------|------|
| 1    | 0.16       | 23.59        | 13.97             | 9.62        | 55.34        | -31.75          | Average | neutral   |      |
| 2    | 0.16       | 33.75        | 24.13             | 9.62        | 65.34        | -31.59          | QP      | neutral   |      |
| 3    | 0.47       | 35.37        | 25.74             | 9.63        | 46.60        | -11.23          | Average | neutral   |      |
| 4    | 0.47       | 40.37        | 30.74             | 9.63        | 56.60        | -16.23          | QP      | neutral   |      |
| 5    | 0.92       | 20.79        | 11.15             | 9.64        | 46.00        | -25.21          | Average | neutral   |      |
| 6    | 0.92       | 26.09        | 16.45             | 9.64        | 56.00        | -29.91          | QP      | neutral   |      |
| 7    | 3.15       | 17.57        | 7.89              | 9.68        | 46.00        | -28.43          | Average | neutral   |      |
| 8    | 3.15       | 23.19        | 13.51             | 9.68        | 56.00        | -32.41          | QP      | neutral   |      |
| 9    | 8.98       | 25.94        | 16.17             | 9.77        | 50.00        | -24.06          | Average | neutral   |      |
| 10   | 8.98       | 31.05        | 21.28             | 9.77        | 60.00        | -28.95          | QP      | neutral   |      |
| 11   | 13.18      | 29.99        | 20.18             | 9.81        | 50.00        | -20.01          | Average | neutral   |      |
| 12   | 13.18      | 35.10        | 25.29             | 9.81        | 60.00        | -24.90          | QP      | neutral   |      |