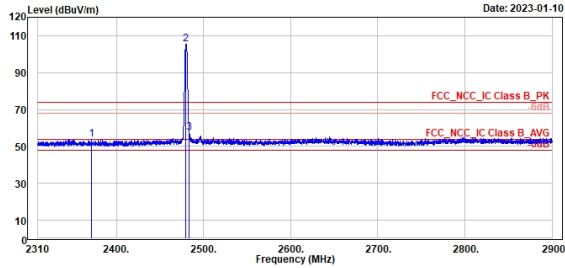


Zigbee\_1Mbps

High Channel (Horizontal) Peak



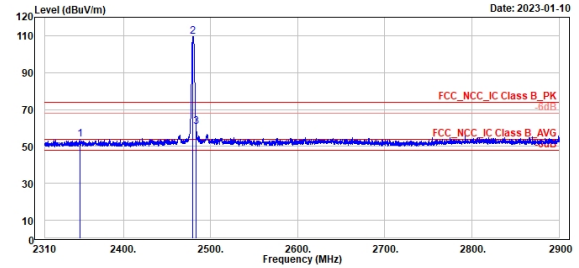
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|     | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark     | Pol/Phase | Note |
|-----|---------|--------|-------|-------|--------|--------|------|------|------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |            |           |      |
| 1   | 2371.71 | 53.75  | 15.81 | 37.94 | 74.00  | -20.25 | 142  | 309  | Peak | Horizontal |           |      |
| 2 * | 2480.00 | 105.31 | 67.00 | 38.31 | 74.00  | 31.31  | 142  | 309  | Peak | Horizontal |           |      |
| 3   | 2483.46 | 57.38  | 19.07 | 38.31 | 74.00  | -16.62 | 142  | 309  | Peak | Horizontal |           |      |



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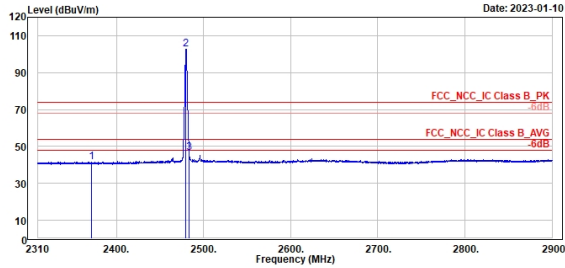
|     | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark   | Pol/Phase | Note |
|-----|---------|--------|-------|-------|--------|--------|------|------|------|----------|-----------|------|
|     | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |          |           |      |
| 1   | 2350.36 | 53.85  | 15.89 | 37.96 | 74.00  | -20.15 | 100  | 179  | Peak | Vertical |           |      |
| 2 * | 2480.00 | 109.46 | 71.15 | 38.31 | 74.00  | 35.46  | 100  | 179  | Peak | Vertical |           |      |
| 3   | 2483.46 | 60.69  | 22.38 | 38.31 | 74.00  | -13.31 | 100  | 179  | Peak | Vertical |           |      |

## Zigbee \_1Mbps

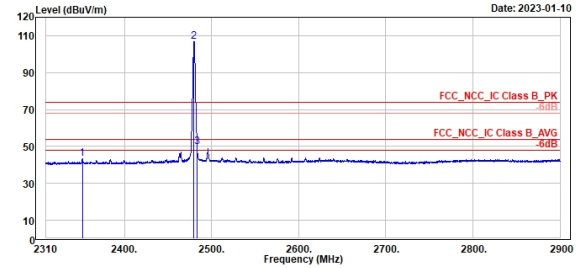
### High Channel (Horizontal) Average



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

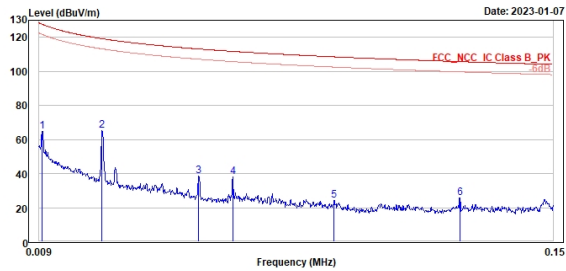
### Zigbee\_1Mbps

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

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



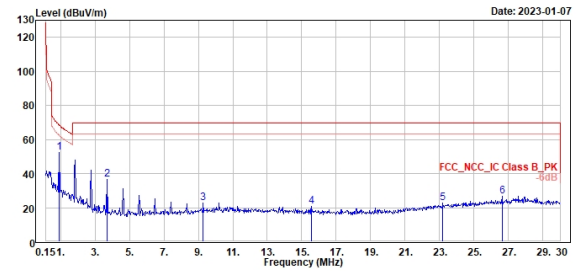
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|   | Freq | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase | Note |
|---|------|--------|-------|-------|--------|--------|------|------|------|--------|-----------|------|
|   | MHz  | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     |      | cm   | deg  |        |           |      |
| 1 | 0.01 | 64.74  | 35.90 | 28.84 | 127.72 | -62.98 | 100  | 62   | QP   | Open   |           |      |
| 2 | 0.03 | 65.09  | 42.54 | 22.55 | 119.18 | -54.09 | 100  | 20   | QP   | Open   |           |      |
| 3 | 0.05 | 38.58  | 22.56 | 16.02 | 113.13 | -74.55 | 100  | 224  | QP   | Open   |           |      |
| 4 | 0.06 | 38.28  | 23.55 | 14.73 | 111.72 | -73.44 | 100  | 280  | QP   | Open   |           |      |
| 5 | 0.09 | 24.43  | 13.53 | 10.90 | 106.52 | -84.09 | 100  | 58   | QP   | Open   |           |      |
| 6 | 0.12 | 25.87  | 17.35 | 8.52  | 105.70 | -79.83 | 100  | 4    | QP   | Open   |           |      |



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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 | 0.93  | 52.46  | 58.58 | -6.12  | 68.27  | -15.81 | 100  | 133  | QP   | Open   |           |      |
| 2 | 3.70  | 36.68  | 47.93 | -11.25 | 69.50  | -32.82 | 100  | 133  | QP   | Open   |           |      |
| 3 | 9.28  | 22.97  | 33.35 | -10.38 | 69.50  | -46.53 | 100  | 147  | QP   | Open   |           |      |
| 4 | 15.58 | 20.55  | 31.26 | -10.71 | 69.50  | -48.95 | 100  | 344  | QP   | Open   |           |      |
| 5 | 23.19 | 22.50  | 32.15 | -9.65  | 69.50  | -47.00 | 100  | 240  | QP   | Open   |           |      |
| 6 | 26.63 | 26.63  | 34.62 | -7.99  | 69.50  | -42.87 | 100  | 211  | QP   | Open   |           |      |

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

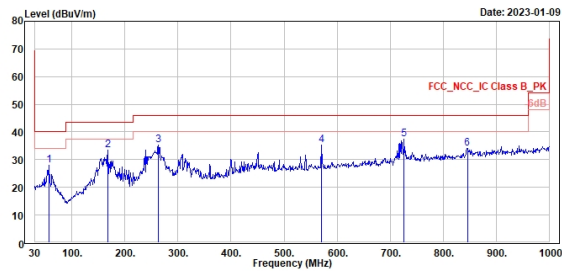
## Zigbee\_1Mbps

### High Channel (Horizontal)

### High Channel (Vertical)



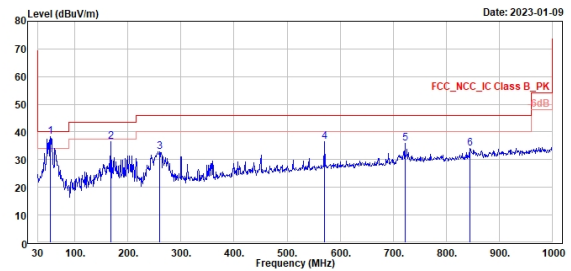
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|   | Freq   | Level  | Read  | Limit | Over   | APos   | TPos | Remark | Pol/Phase  | Note |
|---|--------|--------|-------|-------|--------|--------|------|--------|------------|------|
|   | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg    |            |      |
| 1 | 57.16  | 27.89  | 34.59 | -6.70 | 40.00  | -12.11 | 400  | 239 QP | Horizontal |      |
| 2 | 167.74 | 33.38  | 39.27 | -5.89 | 43.50  | -10.12 | 300  | 237 QP | Horizontal |      |
| 3 | 262.80 | 35.23  | 41.33 | -6.10 | 46.00  | -10.77 | 200  | 76 QP  | Horizontal |      |
| 4 | 571.26 | 35.25  | 35.61 | -0.36 | 46.00  | -10.75 | 200  | 121 QP | Horizontal |      |
| 5 | 726.46 | 37.46  | 35.45 | 2.01  | 46.00  | -8.54  | 200  | 314 QP | Horizontal |      |
| 6 | 845.77 | 34.02  | 29.99 | 4.03  | 46.00  | -11.98 | 100  | 360 QP | Horizontal |      |



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|   | Freq   | Level  | Read  | Limit | Over   | APos   | TPos | Remark | Pol/Phase | Note |
|---|--------|--------|-------|-------|--------|--------|------|--------|-----------|------|
|   | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg    |           |      |
| 1 | 53.28  | 38.27  | 44.43 | -6.16 | 40.00  | -1.73  | 100  | 43 QP  | Vertical  |      |
| 2 | 167.74 | 36.58  | 42.47 | -5.89 | 43.50  | -6.92  | 100  | 245 QP | Vertical  |      |
| 3 | 258.92 | 32.83  | 39.08 | -6.25 | 46.00  | -13.17 | 100  | 69 QP  | Vertical  |      |
| 4 | 571.26 | 36.64  | 37.00 | -0.36 | 46.00  | -9.36  | 100  | 193 QP | Vertical  |      |
| 5 | 722.58 | 35.97  | 34.01 | 1.96  | 46.00  | -10.03 | 100  | 256 QP | Vertical  |      |
| 6 | 844.80 | 34.06  | 30.03 | 4.03  | 46.00  | -11.94 | 155  | 360 QP | Vertical  |      |

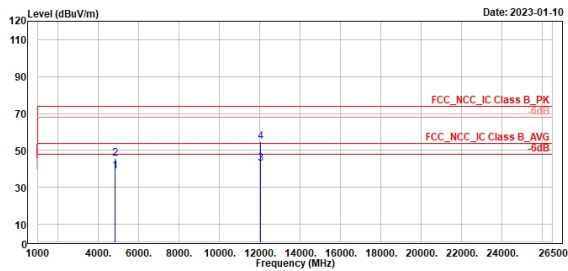
## Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

### Zigbee \_1Mbps

#### Low Channel (Horizontal)



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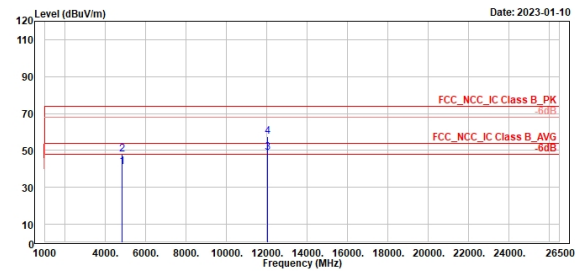


|   | Freq     | Level  | Read         | Limit | Over  | APos   | TPos | Remark      | Pol/Phase  | Note |
|---|----------|--------|--------------|-------|-------|--------|------|-------------|------------|------|
|   | MHz      | dBuV/m | Level Factor | Line  | Limit |        |      |             |            |      |
| 1 | 4810.00  | 38.61  | 47.13        | -8.52 | 54.00 | -15.39 | 100  | 344 Average | Horizontal |      |
| 2 | 4810.00  | 45.71  | 54.23        | -8.52 | 74.00 | -28.29 | 100  | 344 Peak    | Horizontal |      |
| 3 | 12025.00 | 42.85  | 41.93        | 0.92  | 54.00 | -11.15 | 100  | 356 Average | Horizontal |      |
| 4 | 12025.00 | 54.93  | 54.01        | 0.92  | 74.00 | -19.07 | 100  | 356 Peak    | Horizontal |      |

#### Low Channel (Vertical)



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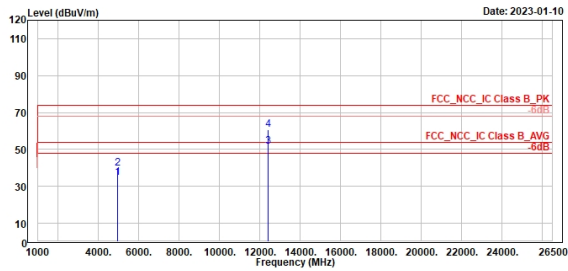
|   | Freq     | Level  | Read         | Limit | Over  | APos   | TPos | Remark      | Pol/Phase | Note |
|---|----------|--------|--------------|-------|-------|--------|------|-------------|-----------|------|
|   | MHz      | dBuV/m | Level Factor | Line  | Limit |        |      |             |           |      |
| 1 | 4810.00  | 41.25  | 49.77        | -8.52 | 54.00 | -12.75 | 259  | 360 Average | Vertical  |      |
| 2 | 4810.00  | 47.72  | 56.24        | -8.52 | 74.00 | -26.28 | 259  | 360 Peak    | Vertical  |      |
| 3 | 12025.00 | 48.90  | 47.98        | 0.92  | 54.00 | -5.10  | 100  | 315 Average | Vertical  |      |
| 4 | 12025.00 | 57.35  | 56.43        | 0.92  | 74.00 | -16.65 | 100  | 315 Peak    | Vertical  |      |

## Zigbee\_1Mbps

### High Channel (Horizontal)



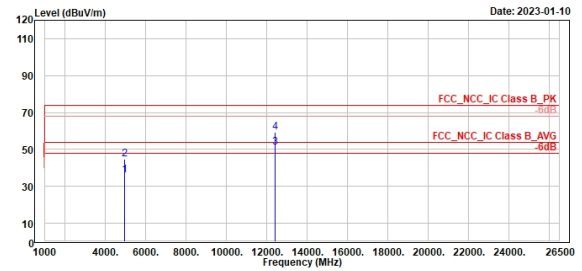
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|   | Freq     | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|----------|--------|-------|-------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz      | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg     |            |           |      |
| 1 | 4960.00  | 34.81  | 43.20 | -8.39 | 54.00  | -19.19 | 100  | 332  | Average | Horizontal |           |      |
| 2 | 4960.00  | 39.82  | 48.21 | -8.39 | 74.00  | -34.18 | 100  | 332  | Peak    | Horizontal |           |      |
| 3 | 12400.00 | 51.74  | 50.16 | 1.58  | 54.00  | -2.26  | 100  | 360  | Average | Horizontal |           |      |
| 4 | 12400.00 | 60.50  | 58.92 | 1.58  | 74.00  | -13.50 | 100  | 360  | 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 | 4960.00  | 35.95  | 44.34 | -8.39 | 54.00  | -18.05 | 100  | 303  | Average | Vertical |           |      |
| 2 | 4960.00  | 44.67  | 53.06 | -8.39 | 74.00  | -29.33 | 100  | 303  | Peak    | Vertical |           |      |
| 3 | 12400.00 | 51.02  | 49.44 | 1.58  | 54.00  | -2.98  | 400  | 191  | Average | Vertical |           |      |
| 4 | 12400.00 | 59.35  | 57.77 | 1.58  | 74.00  | -14.65 | 400  | 191  | Peak    | Vertical |           |      |

# Mains Conducted Emission, 150kHz ~ 30MHz

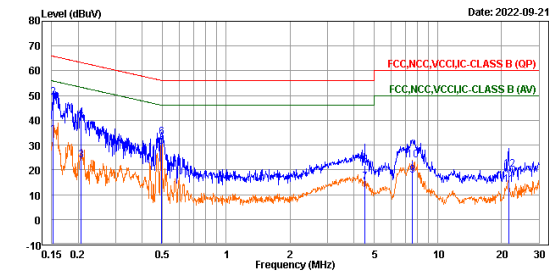
## Worst Band

### (Line)

### (Neutral)



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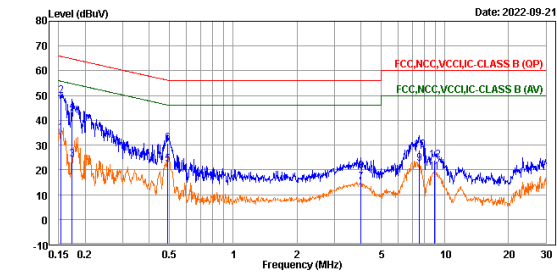


Trace: 1

|    | Freq  | Level | Read  | Factor | Limit | Over   | Remark  | Pol/Phase | Note |
|----|-------|-------|-------|--------|-------|--------|---------|-----------|------|
|    | MHz   | dBuV  | dBuV  | dB     | dBuV  | dB     |         |           |      |
| 1  | 0.15  | 34.05 | 24.44 | 9.61   | 55.88 | -21.83 | Average | line1     |      |
| 2  | 0.15  | 49.23 | 39.62 | 9.61   | 65.88 | -16.65 | QP      | line1     |      |
| 3  | 0.21  | 23.77 | 14.16 | 9.61   | 53.39 | -29.62 | Average | line1     |      |
| 4  | 0.21  | 40.82 | 31.21 | 9.61   | 63.39 | -22.57 | QP      | line1     |      |
| 5  | 0.50  | 29.45 | 19.83 | 9.62   | 46.06 | -16.61 | Average | line1     |      |
| 6  | 0.50  | 33.14 | 23.52 | 9.62   | 56.06 | -22.92 | QP      | line1     |      |
| 7  | 4.51  | 14.87 | 5.19  | 9.68   | 46.00 | -31.13 | Average | line1     |      |
| 8  | 4.51  | 21.82 | 12.14 | 9.68   | 56.00 | -34.18 | QP      | line1     |      |
| 9  | 7.58  | 17.77 | 8.06  | 9.71   | 50.00 | -32.23 | Average | line1     |      |
| 10 | 7.58  | 24.00 | 14.29 | 9.71   | 60.00 | -36.00 | QP      | line1     |      |
| 11 | 21.59 | 14.87 | 4.37  | 9.70   | 50.00 | -35.99 | Average | line1     |      |
| 12 | 21.59 | 19.97 | 10.27 | 9.70   | 60.00 | -40.03 | QP      | line1     |      |



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Trace: 1

|    | Freq | Level | Read  | Factor | Limit | Over   | Remark  | Pol/Phase | Note |
|----|------|-------|-------|--------|-------|--------|---------|-----------|------|
|    | MHz  | dBuV  | dBuV  | dB     | dBuV  | dB     |         |           |      |
| 1  | 0.15 | 34.71 | 25.12 | 9.59   | 55.79 | -21.08 | Average | neutral   |      |
| 2  | 0.15 | 49.75 | 40.16 | 9.59   | 65.79 | -16.04 | QP      | neutral   |      |
| 3  | 0.17 | 24.38 | 14.79 | 9.59   | 54.84 | -30.46 | Average | neutral   |      |
| 4  | 0.17 | 43.37 | 33.78 | 9.59   | 64.84 | -21.47 | QP      | neutral   |      |
| 5  | 0.49 | 22.19 | 12.59 | 9.60   | 46.19 | -24.00 | Average | neutral   |      |
| 6  | 0.49 | 30.62 | 21.02 | 9.60   | 56.19 | -25.57 | QP      | neutral   |      |
| 7  | 4.00 | 14.82 | 5.16  | 9.66   | 46.00 | -31.18 | Average | neutral   |      |
| 8  | 4.00 | 19.46 | 9.80  | 9.66   | 56.00 | -36.54 | QP      | neutral   |      |
| 9  | 7.54 | 22.67 | 12.96 | 9.71   | 50.00 | -27.33 | Average | neutral   |      |
| 10 | 7.54 | 28.11 | 18.40 | 9.71   | 60.00 | -31.89 | QP      | neutral   |      |
| 11 | 8.94 | 19.83 | 9.30  | 9.73   | 50.00 | -30.97 | Average | neutral   |      |
| 12 | 8.94 | 23.87 | 14.14 | 9.73   | 60.00 | -36.13 | QP      | neutral   |      |

Ant 5, Non-ECC Mode  
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

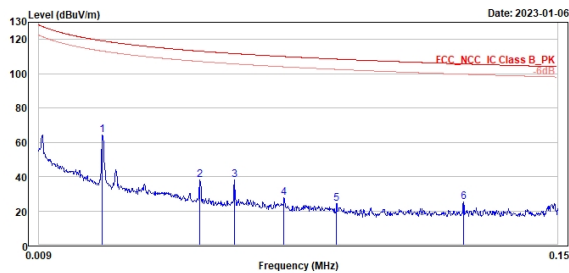
Zigbee\_1Mbps

High Channel (Open) 9kHz~150kHz

High Channel (Open) 150kHz~30MHz



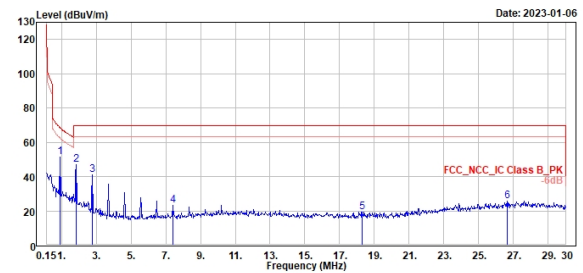
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|   | Freq | Level  | Read  | Limit | Over   | APos   | TPos | Remark | Pol/Phase | Note |
|---|------|--------|-------|-------|--------|--------|------|--------|-----------|------|
|   | MHz  | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg    |           |      |
| 1 | 0.03 | 64.38  | 41.83 | 22.55 | 119.18 | -54.80 | 100  | 360    | QP        | Open |
| 2 | 0.05 | 37.97  | 21.95 | 16.02 | 113.13 | -75.16 | 100  | 360    | QP        | Open |
| 3 | 0.06 | 37.90  | 23.17 | 14.73 | 111.72 | -73.82 | 100  | 82     | QP        | Open |
| 4 | 0.08 | 27.52  | 14.60 | 12.92 | 110.01 | -82.49 | 100  | 142    | QP        | Open |
| 5 | 0.09 | 24.41  | 13.51 | 10.90 | 108.52 | -84.11 | 100  | 27     | QP        | Open |
| 6 | 0.12 | 25.11  | 16.59 | 8.52  | 105.70 | -80.59 | 100  | 131    | QP        | Open |



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|   | Freq  | Level  | Read  | Limit  | Over   | APos   | TPos | Remark | Pol/Phase | Note |
|---|-------|--------|-------|--------|--------|--------|------|--------|-----------|------|
|   | MHz   | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg    |           |      |
| 1 | 0.93  | 51.39  | 57.51 | -6.12  | 68.27  | -16.88 | 100  | 120    | QP        | Open |
| 2 | 1.85  | 47.16  | 55.68 | -8.52  | 69.50  | -22.34 | 100  | 120    | QP        | Open |
| 3 | 2.78  | 41.01  | 51.47 | -10.46 | 69.50  | -28.49 | 100  | 120    | QP        | Open |
| 4 | 7.40  | 23.07  | 34.11 | -11.04 | 69.50  | -46.43 | 100  | 254    | QP        | Open |
| 5 | 18.30 | 19.30  | 30.31 | -11.01 | 69.50  | -50.20 | 100  | 355    | QP        | Open |
| 6 | 26.63 | 25.58  | 33.57 | -7.99  | 69.50  | -43.92 | 100  | 322    | QP        | Open |

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

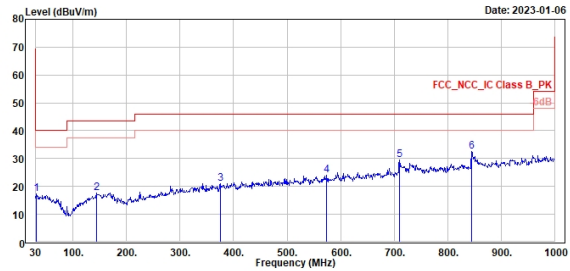
### Zigbee\_1Mbps

#### High Channel (Horizontal)

#### High Channel (Vertical)



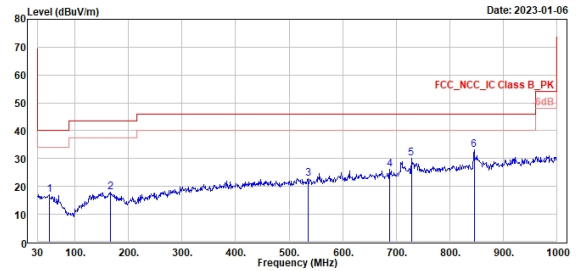
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Tel: +886-2172-1000 Fax: +886-2172-1322



|   | 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 | 31.94  | 17.35  | 24.70 | -7.35 | 40.00  | -22.65 |      | 100  | 196  | QP     | Horizontal |      |
| 2 | 144.46 | 17.79  | 23.73 | -5.94 | 43.50  | -25.71 |      | 100  | 277  | QP     | Horizontal |      |
| 3 | 375.32 | 21.12  | 24.34 | -3.22 | 46.00  | -24.88 |      | 100  | 278  | QP     | Horizontal |      |
| 4 | 574.17 | 23.99  | 24.30 | -0.31 | 46.00  | -22.01 |      | 300  | 232  | QP     | Horizontal |      |
| 5 | 709.97 | 29.49  | 27.67 | 1.82  | 46.00  | -16.51 |      | 163  | 2    | QP     | Horizontal |      |
| 6 | 844.00 | 32.54  | 28.51 | 4.03  | 46.00  | -13.46 |      | 100  | 15   | QP     | 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 | 51.34  | 16.94  | 22.95 | -6.01 | 40.00  | -23.06 |      | 400  | 3    | QP     | Vertical  |      |
| 2 | 166.77 | 17.99  | 23.88 | -5.89 | 43.50  | -25.51 |      | 200  | 117  | QP     | Vertical  |      |
| 3 | 535.37 | 22.90  | 23.87 | -0.97 | 46.00  | -23.10 |      | 143  | 11   | QP     | Vertical  |      |
| 4 | 688.63 | 26.12  | 24.47 | 1.65  | 46.00  | -19.88 |      | 300  | 34   | QP     | Vertical  |      |
| 5 | 728.40 | 30.04  | 27.99 | 2.05  | 46.00  | -15.96 |      | 200  | 248  | QP     | Vertical  |      |
| 6 | 845.77 | 33.25  | 29.22 | 4.03  | 46.00  | -12.75 |      | 143  | 15   | QP     | Vertical  |      |

Ant 5, Non-ECC Mode for 2<sup>nd</sup> Source  
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

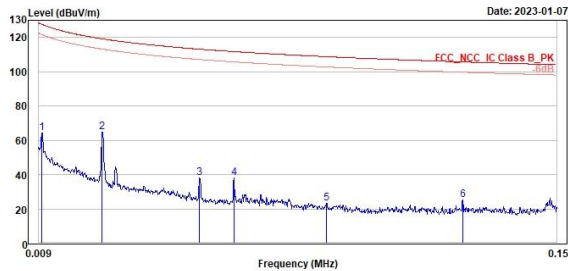
Zigbee\_1Mbps

High Channel (Open) 9kHz~150kHz

High Channel (Open) 150kHz~30MHz



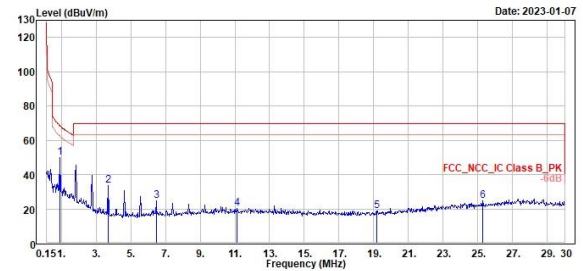
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|   | Freq | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase | Note |
|---|------|--------|-------|-------|--------|--------|------|------|------|--------|-----------|------|
|   | MHz  | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |      |        |           |      |
| 1 | 0.01 | 64.39  | 35.55 | 28.84 | 127.72 | -63.33 | 100  | 286  | QP   | Open   |           |      |
| 2 | 0.03 | 64.97  | 42.42 | 22.55 | 119.18 | -54.21 | 100  | 344  | QP   | Open   |           |      |
| 3 | 0.05 | 38.14  | 22.12 | 16.02 | 113.13 | -74.99 | 100  | 247  | QP   | Open   |           |      |
| 4 | 0.06 | 38.23  | 23.50 | 14.73 | 111.72 | -73.49 | 100  | 344  | QP   | Open   |           |      |
| 5 | 0.09 | 23.06  | 11.70 | 11.20 | 105.77 | -85.71 | 100  | 235  | QP   | Open   |           |      |
| 6 | 0.12 | 25.22  | 16.70 | 8.52  | 105.70 | -80.48 | 100  | 311  | QP   | Open   |           |      |

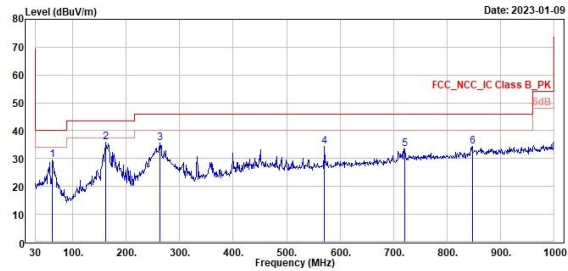


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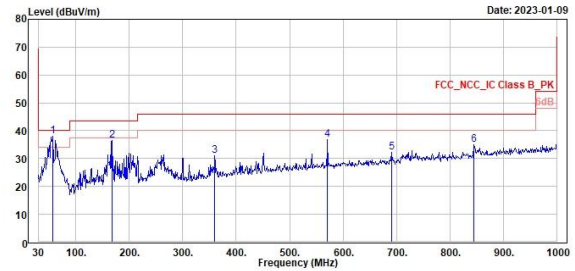


|   | Freq  | Level  | Read  | Level  | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase | Note |
|---|-------|--------|-------|--------|--------|--------|------|------|------|--------|-----------|------|
|   | MHz   | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg  |      |        |           |      |
| 1 | 0.93  | 49.78  | 55.90 | -6.12  | 68.27  | -18.49 | 100  | 105  | QP   | Open   |           |      |
| 2 | 3.70  | 33.85  | 45.10 | -11.25 | 69.50  | -35.65 | 100  | 105  | QP   | Open   |           |      |
| 3 | 6.48  | 24.91  | 36.26 | -11.35 | 69.50  | -44.59 | 100  | 264  | QP   | Open   |           |      |
| 4 | 11.13 | 20.08  | 30.30 | -10.22 | 69.50  | -49.42 | 100  | 259  | QP   | Open   |           |      |
| 5 | 19.19 | 10.65  | 29.76 | -11.11 | 69.50  | -50.85 | 100  | 111  | QP   | Open   |           |      |
| 6 | 25.28 | 24.61  | 33.25 | -8.64  | 69.50  | -44.89 | 100  | 360  | QP   | Open   |           |      |

**Spurious Emissions, Tx Mode, 30MHz ~ 1GHz**
**Zigbee\_1Mbps**
**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 | 62.01  | 29.37  | 36.93 | -7.56 | 40.00  | -10.63 | 300  | 261  | QP   |        | Horizontal |      |
| 2 | 161.92 | 35.92  | 41.66 | -5.74 | 43.50  | -7.58  | 200  | 302  | QP   |        | Horizontal |      |
| 3 | 262.80 | 35.65  | 41.75 | -6.10 | 46.00  | -10.35 | 200  | 68   | QP   |        | Horizontal |      |
| 4 | 571.26 | 34.27  | 34.63 | -0.36 | 46.00  | -11.73 | 100  | 147  | QP   |        | Horizontal |      |
| 5 | 720.64 | 33.60  | 31.64 | 1.96  | 46.00  | -12.40 | 100  | 144  | QP   |        | Horizontal |      |
| 6 | 847.71 | 34.33  | 30.28 | 4.05  | 46.00  | -11.67 | 100  | 208  | QP   |        | 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 | 57.16  | 38.11  | 44.81 | -6.70 | 40.00  | -1.89  | 100  | 303  | QP   |        | Vertical  |      |
| 2 | 167.74 | 36.64  | 42.53 | -5.89 | 43.50  | -6.86  | 100  | 247  | QP   |        | Vertical  |      |
| 3 | 359.80 | 30.93  | 34.58 | -3.65 | 46.00  | -15.07 | 100  | 181  | QP   |        | Vertical  |      |
| 4 | 571.26 | 36.75  | 37.11 | -0.36 | 46.00  | -9.25  | 100  | 180  | QP   |        | Vertical  |      |
| 5 | 690.57 | 32.39  | 30.70 | 1.69  | 46.00  | -13.61 | 100  | 190  | QP   |        | Vertical  |      |
| 6 | 844.80 | 35.08  | 31.05 | 4.03  | 46.00  | -10.92 | 129  | 360  | QP   |        | Vertical  |      |

# Mains Conducted Emission, 150kHz ~ 30MHz

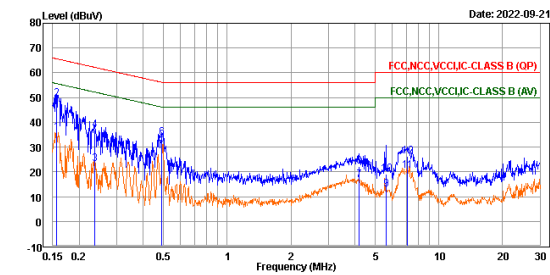
## Worst Band

### (Line)

### (Neutral)



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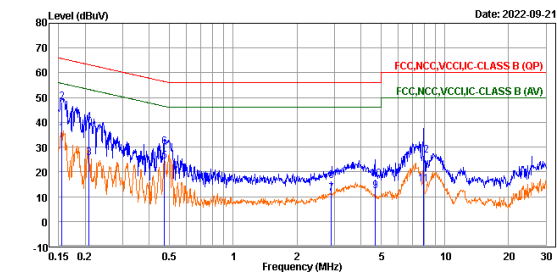


Trace: 1

|    | Freq | Level | Read  | Factor | Limit | Over   | Remark  | Pol/Phase | Note |
|----|------|-------|-------|--------|-------|--------|---------|-----------|------|
|    | MHz  | dBuV  | dBuV  | dB     | dBuV  | dB     |         |           |      |
| 1  | 0.16 | 35.76 | 26.15 | 9.61   | 55.63 | -19.87 | Average | line1     |      |
| 2  | 0.16 | 49.69 | 40.08 | 9.61   | 65.63 | -15.94 | QP      | line1     |      |
| 3  | 0.24 | 23.36 | 13.75 | 9.61   | 52.19 | -28.83 | Average | line1     |      |
| 4  | 0.24 | 36.71 | 27.10 | 9.61   | 62.19 | -25.48 | QP      | line1     |      |
| 5  | 0.49 | 31.00 | 21.38 | 9.62   | 46.15 | -15.15 | Average | line1     |      |
| 6  | 0.49 | 33.70 | 24.08 | 9.62   | 56.15 | -22.45 | QP      | line1     |      |
| 7  | 4.19 | 16.56 | 6.89  | 9.67   | 46.00 | -29.44 | Average | line1     |      |
| 8  | 4.19 | 22.17 | 12.50 | 9.67   | 56.00 | -33.83 | QP      | line1     |      |
| 9  | 5.62 | 12.82 | 3.13  | 9.69   | 50.00 | -37.18 | Average | line1     |      |
| 10 | 5.62 | 18.96 | 9.27  | 9.69   | 60.00 | -41.04 | QP      | line1     |      |
| 11 | 7.07 | 20.36 | 10.65 | 9.71   | 50.00 | -29.64 | Average | line1     |      |
| 12 | 7.07 | 26.26 | 16.55 | 9.71   | 60.00 | -33.74 | QP      | line1     |      |



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Trace: 1

|    | Freq | Level | Read  | Factor | Limit | Over   | Remark  | Pol/Phase | Note |
|----|------|-------|-------|--------|-------|--------|---------|-----------|------|
|    | MHz  | dBuV  | dBuV  | dB     | dBuV  | dB     |         |           |      |
| 1  | 0.16 | 35.40 | 25.81 | 9.59   | 55.71 | -20.31 | Average | neutral   |      |
| 2  | 0.16 | 48.28 | 38.69 | 9.59   | 65.71 | -17.43 | QP      | neutral   |      |
| 3  | 0.21 | 25.56 | 15.97 | 9.59   | 53.31 | -27.75 | Average | neutral   |      |
| 4  | 0.21 | 40.06 | 30.47 | 9.59   | 63.31 | -23.25 | QP      | neutral   |      |
| 5  | 0.47 | 24.36 | 14.76 | 9.60   | 46.44 | -22.08 | Average | neutral   |      |
| 6  | 0.47 | 30.20 | 20.60 | 9.60   | 56.44 | -26.24 | QP      | neutral   |      |
| 7  | 2.90 | 11.13 | 1.48  | 9.65   | 46.00 | -34.87 | Average | neutral   |      |
| 8  | 2.90 | 16.48 | 6.83  | 9.65   | 56.00 | -39.52 | QP      | neutral   |      |
| 9  | 4.67 | 12.23 | 2.55  | 9.68   | 46.00 | -33.77 | Average | neutral   |      |
| 10 | 4.67 | 16.88 | 7.20  | 9.68   | 56.00 | -39.12 | QP      | neutral   |      |
| 11 | 7.89 | 14.97 | 5.25  | 9.72   | 50.00 | -35.03 | Average | neutral   |      |
| 12 | 7.89 | 26.70 | 16.98 | 9.72   | 60.00 | -33.30 | QP      | neutral   |      |

Ant 6, Non-ECC Mode  
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

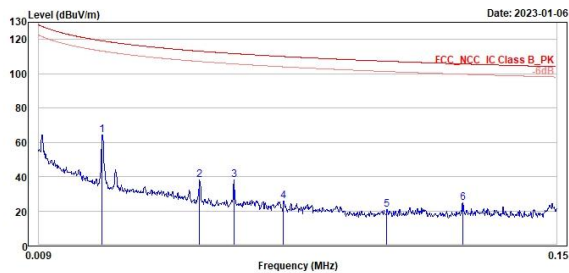
Zigbee\_1Mbps

High Channel (Open) 9kHz~150kHz

High Channel (Open) 150kHz~30MHz



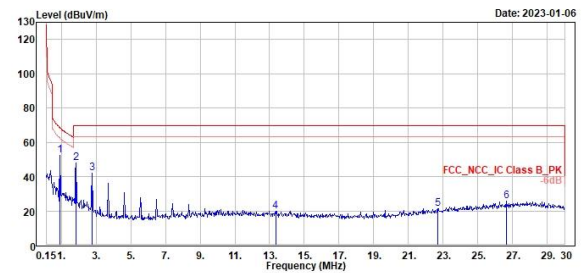
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|   | Freq | Level  | Read  | Limit | Over   | APos   | TPos | Remark | Pol/Phase | Note |
|---|------|--------|-------|-------|--------|--------|------|--------|-----------|------|
|   | MHz  | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg    |           |      |
| 1 | 0.03 | 64.36  | 41.81 | 22.55 | 119.18 | -54.82 | 100  | 74 QP  | Open      |      |
| 2 | 0.05 | 37.92  | 21.90 | 16.02 | 113.13 | -75.21 | 100  | 290 QP | Open      |      |
| 3 | 0.06 | 38.17  | 23.44 | 14.73 | 111.72 | -73.55 | 100  | 241 QP | Open      |      |
| 4 | 0.08 | 25.87  | 12.95 | 12.92 | 110.01 | -84.14 | 100  | 274 QP | Open      |      |
| 5 | 0.10 | 20.64  | 11.25 | 9.39  | 107.28 | -86.64 | 100  | 274 QP | Open      |      |
| 6 | 0.12 | 24.85  | 16.33 | 8.52  | 105.70 | -80.85 | 100  | 246 QP | Open      |      |



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|   | Freq  | Level  | Read  | Limit  | Over   | APos   | TPos | Remark | Pol/Phase | Note |
|---|-------|--------|-------|--------|--------|--------|------|--------|-----------|------|
|   | MHz   | dBuV/m | dBuV  | dB/m   | dBuV/m | dB     | cm   | deg    |           |      |
| 1 | 0.93  | 52.40  | 58.52 | -6.12  | 68.27  | -15.87 | 100  | 74 QP  | Open      |      |
| 2 | 1.85  | 47.74  | 56.26 | -8.52  | 69.50  | -21.76 | 100  | 65 QP  | Open      |      |
| 3 | 2.78  | 41.80  | 52.26 | -10.46 | 69.50  | -27.70 | 100  | 59 QP  | Open      |      |
| 4 | 13.34 | 19.88  | 30.34 | -10.46 | 69.50  | -49.62 | 100  | 311 QP | Open      |      |
| 5 | 22.69 | 21.15  | 31.04 | -9.89  | 69.50  | -48.35 | 100  | 213 QP | Open      |      |
| 6 | 26.63 | 25.77  | 33.76 | -7.99  | 69.50  | -43.73 | 100  | 213 QP | Open      |      |

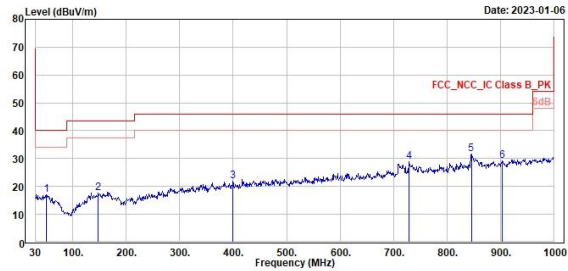
## Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

### Zigbee\_1Mbps

#### High Channel (Horizontal)



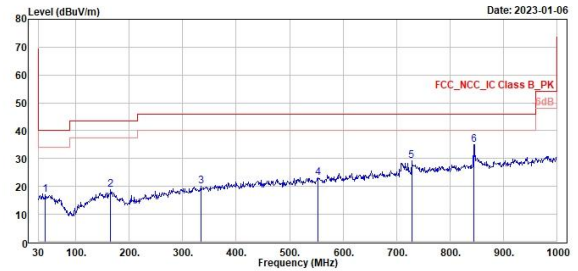
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|   | Freq   | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase  | Note |
|---|--------|--------|-------|-------|--------|--------|------|------|------|--------|------------|------|
|   | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |        |            |      |
| 1 | 50.37  | 16.97  | 22.89 | -5.92 | 40.00  | -23.03 | 200  | 348  | QP   |        | Horizontal |      |
| 2 | 147.37 | 17.52  | 23.42 | -5.90 | 43.50  | -25.98 | 300  | 111  | QP   |        | Horizontal |      |
| 3 | 399.57 | 21.98  | 24.85 | -2.87 | 46.00  | -24.02 | 200  | 32   | QP   |        | Horizontal |      |
| 4 | 729.37 | 28.81  | 26.74 | 2.07  | 46.00  | -17.19 | 300  | 312  | QP   |        | Horizontal |      |
| 5 | 845.77 | 31.72  | 27.69 | 4.03  | 46.00  | -14.28 | 100  | 149  | QP   |        | Horizontal |      |
| 6 | 903.00 | 29.16  | 24.28 | 4.88  | 46.00  | -16.84 | 200  | 10   | QP   |        | 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 | 42.61  | 17.08  | 22.89 | -5.81 | 40.00  | -22.92 | 300  | 152  | QP   |        | Vertical  |      |
| 2 | 164.83 | 18.82  | 24.56 | -5.74 | 43.50  | -24.68 | 217  | 360  | QP   |        | Vertical  |      |
| 3 | 333.61 | 19.98  | 23.85 | -3.87 | 46.00  | -26.02 | 400  | 138  | QP   |        | Vertical  |      |
| 4 | 552.83 | 23.17  | 23.79 | -0.62 | 46.00  | -22.83 | 200  | 124  | QP   |        | Vertical  |      |
| 5 | 728.40 | 29.16  | 27.11 | 2.05  | 46.00  | -16.84 | 200  | 276  | QP   |        | Vertical  |      |
| 6 | 844.80 | 34.94  | 30.91 | 4.03  | 46.00  | -11.06 | 200  | 173  | QP   |        | Vertical  |      |

Ant 6, Non-ECC Mode for 2<sup>nd</sup> Source  
Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

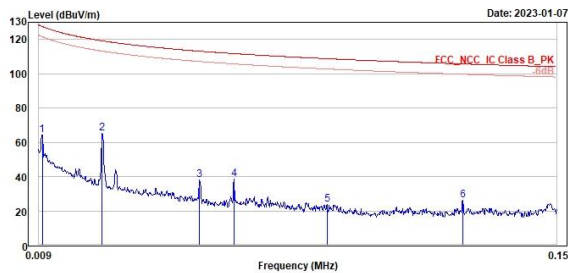
Zigbee\_1Mbps

High Channel (Open) 9kHz~150kHz

High Channel (Open) 150kHz~30MHz



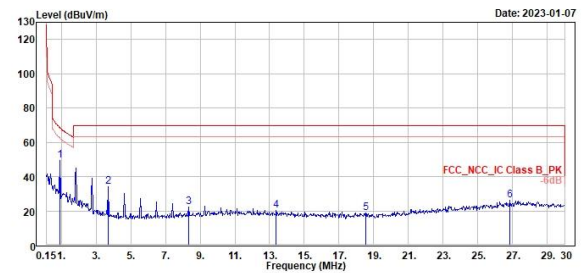
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|   | Freq | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase | Note |
|---|------|--------|-------|-------|--------|--------|------|------|------|--------|-----------|------|
|   | MHz  | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     |      | cm   | deg  |        |           |      |
| 1 | 0.01 | 64.38  | 35.75 | 28.63 | 127.60 | -63.22 | 100  | 208  | QP   | Open   |           |      |
| 2 | 0.03 | 65.14  | 42.59 | 22.55 | 119.18 | -54.04 | 100  | 130  | QP   | Open   |           |      |
| 3 | 0.05 | 38.00  | 21.98 | 16.02 | 113.13 | -75.13 | 100  | 8    | QP   | Open   |           |      |
| 4 | 0.06 | 38.42  | 23.69 | 14.73 | 111.72 | -73.30 | 100  | 176  | QP   | Open   |           |      |
| 5 | 0.09 | 23.68  | 12.43 | 11.25 | 108.75 | -85.07 | 100  | 211  | QP   | Open   |           |      |
| 6 | 0.12 | 25.99  | 17.47 | 8.52  | 105.70 | -79.71 | 100  | 176  | QP   | Open   |           |      |



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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 | 0.93  | 49.61  | 55.73 | -6.12  | 68.27  | -18.66 | 100  | 101  | QP   | Open   |           |      |
| 2 | 3.70  | 34.08  | 45.33 | -11.25 | 69.50  | -35.42 | 100  | 130  | QP   | Open   |           |      |
| 3 | 8.36  | 22.22  | 32.94 | -10.72 | 69.50  | -47.28 | 100  | 152  | QP   | Open   |           |      |
| 4 | 13.37 | 20.20  | 30.67 | -10.47 | 69.50  | -49.30 | 100  | 187  | QP   | Open   |           |      |
| 5 | 18.54 | 19.01  | 30.04 | -11.03 | 69.50  | -50.49 | 100  | 133  | QP   | Open   |           |      |
| 6 | 26.84 | 26.05  | 33.94 | -7.89  | 69.50  | -43.45 | 100  | 141  | QP   | Open   |           |      |

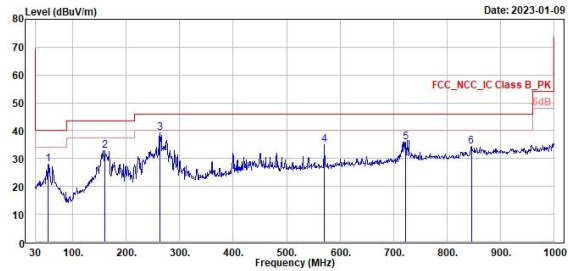
## Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

### Zigbee\_1Mbps

#### High Channel (Horizontal)



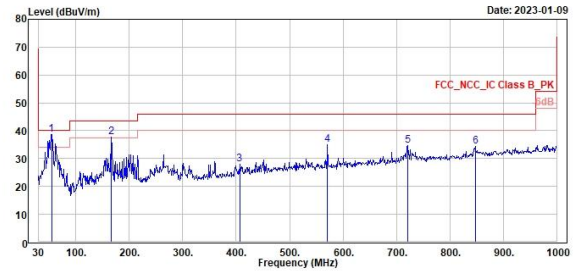
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|   | Freq   | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark | Pol/Phase  | Note |
|---|--------|--------|-------|-------|--------|--------|------|------|------|--------|------------|------|
|   | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |        |            |      |
| 1 | 53.28  | 27.88  | 34.04 | -6.16 | 40.00  | -12.12 | 300  | 239  | QP   |        | Horizontal |      |
| 2 | 159.01 | 32.98  | 38.84 | -5.86 | 43.50  | -10.52 | 100  | 235  | QP   |        | Horizontal |      |
| 3 | 262.80 | 39.37  | 45.47 | -6.10 | 46.00  | -6.63  | 100  | 80   | QP   |        | Horizontal |      |
| 4 | 571.26 | 34.83  | 35.19 | -0.36 | 46.00  | -11.17 | 100  | 133  | QP   |        | Horizontal |      |
| 5 | 722.58 | 36.03  | 34.07 | 1.96  | 46.00  | -9.97  | 100  | 37   | QP   |        | Horizontal |      |
| 6 | 845.77 | 34.50  | 30.47 | 4.03  | 46.00  | -11.50 | 200  | 318  | QP   |        | 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 ! | 54.25  | 38.67  | 45.05 | -6.38 | 40.00  | -1.33  | 200  | 311  | QP   |        | Vertical  |      |
| 2 ! | 165.80 | 37.67  | 43.46 | -5.79 | 43.50  | -5.83  | 100  | 248  | QP   |        | Vertical  |      |
| 3   | 486.36 | 27.88  | 30.67 | -2.79 | 46.00  | -18.12 | 100  | 203  | QP   |        | Vertical  |      |
| 4   | 571.26 | 34.97  | 35.33 | -0.36 | 46.00  | -11.03 | 100  | 189  | QP   |        | Vertical  |      |
| 5   | 720.64 | 34.00  | 32.84 | 1.16  | 46.00  | -11.20 | 100  | 172  | QP   |        | Vertical  |      |
| 6   | 847.71 | 34.23  | 30.18 | 4.05  | 46.00  | -11.77 | 378  | 360  | QP   |        | Vertical  |      |

# Mains Conducted Emission, 150kHz ~ 30MHz

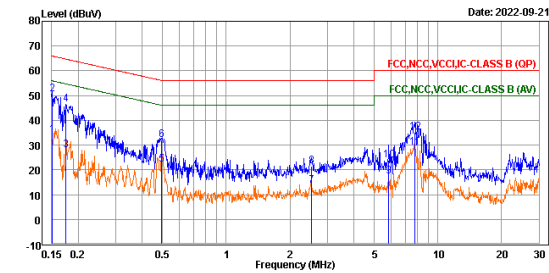
## Worst Band

### (Line)

### (Neutral)



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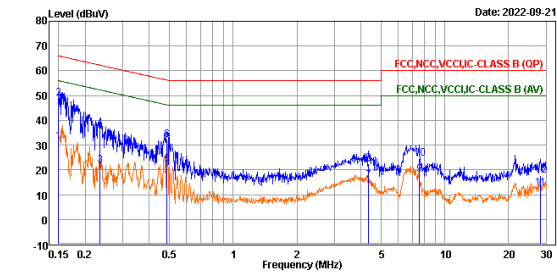


Trace: 1

|    | Freq | Level | Read  | Factor | Limit | Over   | Remark  | Pol/Phase | Note |
|----|------|-------|-------|--------|-------|--------|---------|-----------|------|
|    | MHz  | dBuV  | dBuV  | dB     | dBuV  | dB     |         |           |      |
| 1  | 0.15 | 34.09 | 24.48 | 9.61   | 55.96 | -21.87 | Average | line1     |      |
| 2  | 0.15 | 50.43 | 40.82 | 9.61   | 65.96 | -15.13 | QP      | line1     |      |
| 3  | 0.18 | 28.11 | 18.50 | 9.61   | 54.72 | -26.61 | Average | line1     |      |
| 4  | 0.18 | 46.51 | 36.90 | 9.61   | 64.72 | -18.21 | QP      | line1     |      |
| 5  | 0.49 | 22.19 | 12.57 | 9.62   | 46.11 | -23.92 | Average | line1     |      |
| 6  | 0.49 | 32.08 | 22.46 | 9.62   | 56.11 | -24.03 | QP      | line1     |      |
| 7  | 2.53 | 13.54 | 3.89  | 9.65   | 46.00 | -32.46 | Average | line1     |      |
| 8  | 2.53 | 21.62 | 11.97 | 9.65   | 56.00 | -34.38 | QP      | line1     |      |
| 9  | 5.85 | 17.33 | 7.64  | 9.69   | 50.00 | -32.67 | Average | line1     |      |
| 10 | 5.85 | 23.73 | 14.04 | 9.69   | 60.00 | -36.27 | QP      | line1     |      |
| 11 | 7.77 | 29.00 | 19.29 | 9.71   | 60.00 | -21.00 | Average | line1     |      |
| 12 | 7.77 | 35.06 | 25.35 | 9.71   | 60.00 | -24.94 | QP      | line1     |      |



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Trace: 1

|    | Freq  | Level | Read  | Factor | Limit | Over   | Remark  | Pol/Phase | Note |
|----|-------|-------|-------|--------|-------|--------|---------|-----------|------|
|    | MHz   | dBuV  | dBuV  | dB     | dBuV  | dB     |         |           |      |
| 1  | 0.15  | 31.31 | 21.72 | 9.59   | 56.00 | -24.69 | Average | neutral   |      |
| 2  | 0.15  | 48.78 | 39.19 | 9.59   | 66.00 | -17.22 | QP      | neutral   |      |
| 3  | 0.23  | 21.88 | 12.29 | 9.59   | 52.32 | -30.44 | Average | neutral   |      |
| 4  | 0.23  | 36.96 | 27.37 | 9.59   | 62.32 | -25.36 | QP      | neutral   |      |
| 5  | 0.49  | 22.10 | 12.50 | 9.60   | 46.23 | -24.13 | Average | neutral   |      |
| 6  | 0.49  | 32.06 | 22.46 | 9.60   | 56.23 | -24.17 | QP      | neutral   |      |
| 7  | 4.34  | 15.76 | 6.09  | 9.67   | 46.00 | -30.24 | Average | neutral   |      |
| 8  | 4.34  | 22.39 | 12.72 | 9.67   | 56.00 | -33.61 | QP      | neutral   |      |
| 9  | 7.54  | 18.20 | 8.49  | 9.71   | 50.00 | -31.80 | Average | neutral   |      |
| 10 | 7.54  | 24.52 | 14.81 | 9.71   | 60.00 | -35.48 | QP      | neutral   |      |
| 11 | 28.26 | 12.57 | 2.73  | 9.84   | 50.00 | -37.43 | Average | neutral   |      |
| 12 | 28.26 | 17.84 | 8.00  | 9.84   | 60.00 | -42.16 | QP      | neutral   |      |