

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

## Conducted Emission Test

<EUT only>

Band Edges, 2.31GHz ~ 2.5GHz

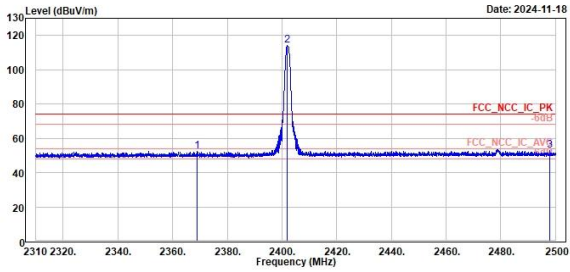
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Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



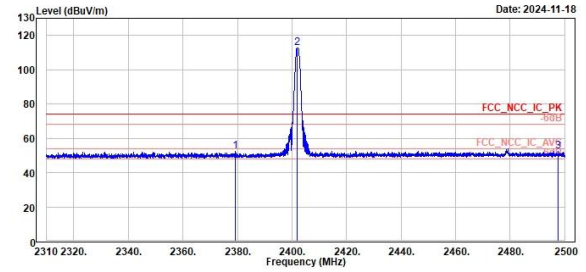
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|     | Freq    | Level  | Read   | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase  | Note |
|-----|---------|--------|--------|--------|--------|--------|------|------|--------|------------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m   | dBuV/m | dB     | cm   | deg  |        |            |      |
| 1   | 2368.06 | 52.19  | 46.39  | 5.80   | 74.00  | -21.81 | 100  | 67   | Peak   | Horizontal |      |
| 2 * | 2402.00 | 113.94 | 108.05 | 5.89   | 74.00  | 39.94  | 100  | 67   | Peak   | Horizontal |      |
| 3   | 2497.87 | 53.07  | 46.92  | 6.15   | 74.00  | -20.93 | 100  | 67   | Peak   | Horizontal |      |



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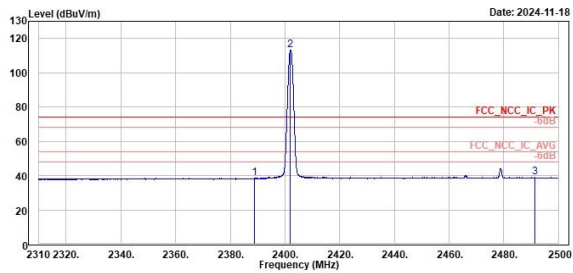
|     | Freq    | Level  | Read   | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase | Note |
|-----|---------|--------|--------|--------|--------|--------|------|------|--------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m   | dBuV/m | dB     | cm   | deg  |        |           |      |
| 1   | 2379.16 | 52.24  | 46.42  | 5.82   | 74.00  | -21.76 | 282  | 79   | Peak   | Vertical  |      |
| 2 * | 2402.00 | 112.90 | 107.01 | 5.89   | 74.00  | 38.90  | 282  | 79   | Peak   | Vertical  |      |
| 3   | 2497.64 | 52.36  | 46.21  | 6.15   | 74.00  | -21.64 | 282  | 79   | Peak   | Vertical  |      |

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Low Channel (Horizontal) Average



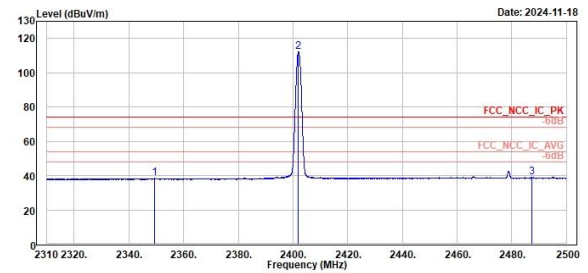
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|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|---------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg     |            |           |      |
| 1   | 2388.05 | 38.48  | 32.63  | 5.85  | 54.00  | -15.52 | 100  | 67   | Average | Horizontal |           |      |
| 2 * | 2402.00 | 113.40 | 107.51 | 5.89  | 54.00  | 59.40  | 100  | 67   | Average | Horizontal |           |      |
| 3   | 2491.34 | 38.86  | 32.71  | 6.15  | 54.00  | -15.14 | 100  | 67   | Average | Horizontal |           |      |



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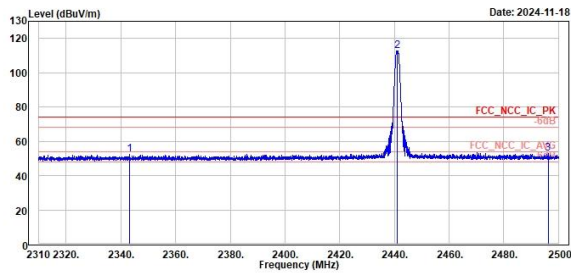
|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos    | Remark   | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|---------|----------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg     |          |           |      |
| 1   | 2349.41 | 38.43  | 32.69  | 5.74  | 54.00  | -15.57 | 282  | 79   | Average | Vertical |           |      |
| 2 * | 2402.00 | 112.34 | 106.45 | 5.89  | 54.00  | 58.34  | 282  | 79   | Average | Vertical |           |      |
| 3   | 2487.35 | 38.85  | 32.71  | 6.14  | 54.00  | -15.15 | 282  | 79   | Average | Vertical |           |      |

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Middle Channel (Horizontal) Peak



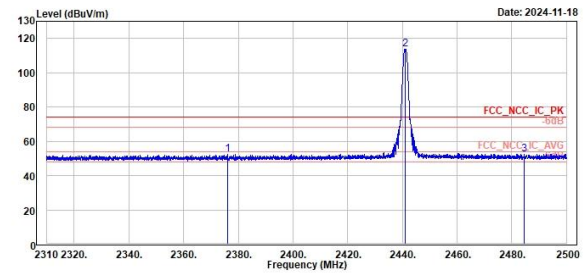
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|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark     | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |            |           |      |
| 1   | 2343.17 | 52.61  | 46.90  | 5.71  | 74.00  | -21.39 | 186  | 64   | Peak | Horizontal |           |      |
| 2 * | 2441.00 | 112.75 | 106.68 | 6.07  | 74.00  | 38.75  | 186  | 64   | Peak | Horizontal |           |      |
| 3   | 2496.28 | 52.73  | 46.59  | 6.14  | 74.00  | -21.27 | 186  | 64   | Peak | Horizontal |           |      |



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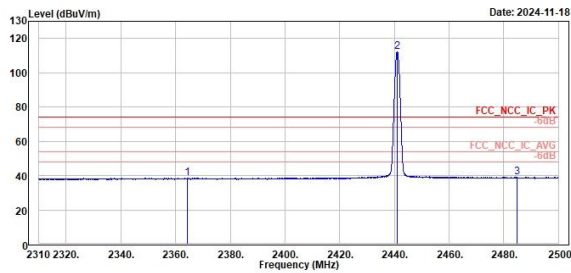
|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark   | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|----------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |          |           |      |
| 1   | 2376.01 | 52.26  | 46.44  | 5.82  | 74.00  | -21.74 | 271  | 95   | Peak | Vertical |           |      |
| 2 * | 2441.00 | 113.71 | 107.64 | 6.07  | 74.00  | 39.71  | 271  | 95   | Peak | Vertical |           |      |
| 3   | 2484.65 | 52.55  | 46.41  | 6.14  | 74.00  | -21.45 | 271  | 95   | Peak | Vertical |           |      |

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**Middle Channel (Horizontal) Average**



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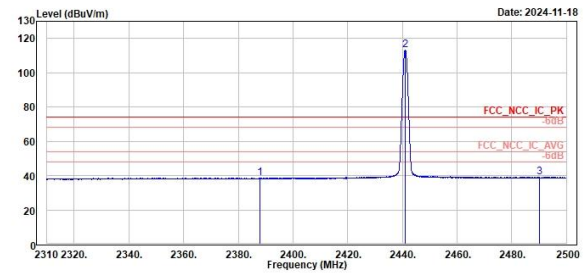


|     | Freq    | Level  | Read   | Limit | Over   | APos   | TPos | Remark     | Pol/Phase  | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------------|------------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | cm   | deg        |            |      |
| 1   | 2364.19 | 38.49  | 32.71  | 5.78  | 54.00  | -15.51 | 186  | 64 Average | Horizontal |      |
| 2 * | 2441.00 | 112.20 | 106.13 | 6.07  | 54.00  | 58.20  | 186  | 64 Average | Horizontal |      |
| 3   | 2484.88 | 39.16  | 33.02  | 6.14  | 54.00  | -14.84 | 186  | 64 Average | Horizontal |      |

**Middle Channel (Vertical) Average**



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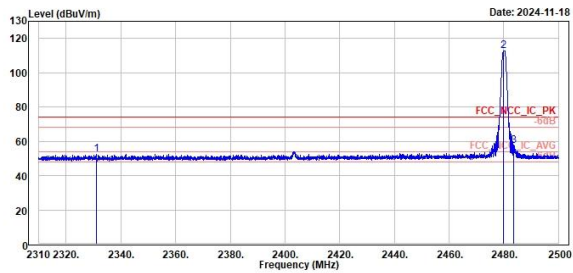
|     | Freq    | Level  | Read   | Limit | Over   | APos   | TPos | Remark     | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | cm   | deg        |           |      |
| 1   | 2387.06 | 38.65  | 32.00  | 5.65  | 54.00  | -15.35 | 271  | 95 Average | Vertical  |      |
| 2 * | 2441.00 | 113.11 | 107.04 | 6.07  | 54.00  | 59.11  | 271  | 95 Average | Vertical  |      |
| 3   | 2490.08 | 39.22  | 33.07  | 6.15  | 54.00  | -14.78 | 271  | 95 Average | Vertical  |      |

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**High Channel (Horizontal) Peak**



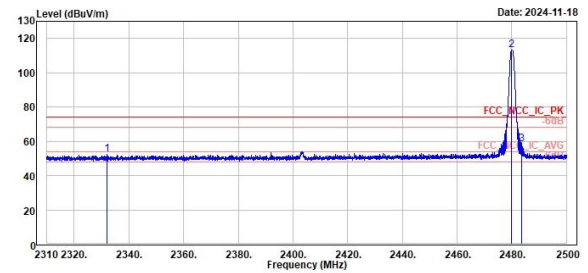
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|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark     | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |            |           |      |
| 1   | 2330.98 | 52.55  | 46.90  | 5.65  | 74.00  | -21.45 | 100  | 62   | Peak | Horizontal |           |      |
| 2 * | 2480.00 | 112.88 | 106.75 | 6.13  | 74.00  | 38.88  | 100  | 62   | Peak | Horizontal |           |      |
| 3   | 2483.66 | 57.55  | 51.41  | 6.14  | 74.00  | -16.45 | 100  | 62   | Peak | Horizontal |           |      |



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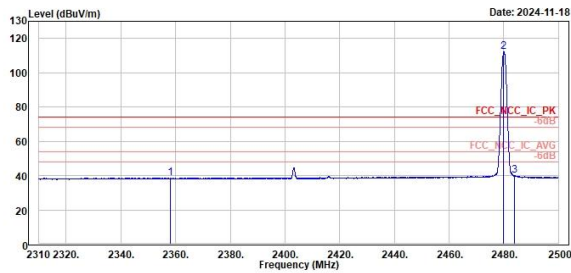
|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark   | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|----------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |          |           |      |
| 1   | 2331.96 | 52.16  | 46.50  | 5.66  | 74.00  | -21.84 | 263  | 97   | Peak | Vertical |           |      |
| 2 * | 2480.00 | 113.11 | 106.98 | 6.13  | 74.00  | 39.11  | 263  | 97   | Peak | Vertical |           |      |
| 3   | 2483.51 | 58.21  | 52.07  | 6.14  | 74.00  | -15.79 | 263  | 97   | Peak | Vertical |           |      |

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**High Channel (Horizontal) Average**



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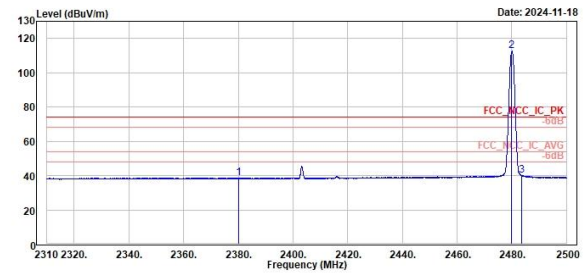


|     | Freq    | Level  | Read   | Limit | Over   | APos   | TPos | Remark     | Pol/Phase  | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------------|------------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | cm   | deg        |            |      |
| 1   | 2358.18 | 38.70  | 32.93  | 5.77  | 54.00  | -15.30 | 100  | 62 Average | Horizontal |      |
| 2 * | 2480.00 | 112.27 | 106.14 | 6.13  | 54.00  | 58.27  | 100  | 62 Average | Horizontal |      |
| 3   | 2483.77 | 40.17  | 34.03  | 6.14  | 54.00  | -13.83 | 100  | 62 Average | Horizontal |      |

**High Channel (Vertical) Average**



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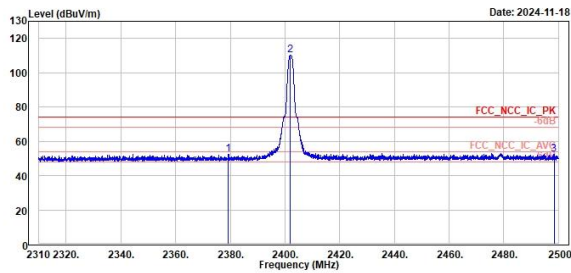
|     | Freq    | Level  | Read   | Limit | Over   | APos   | TPos | Remark     | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | cm   | deg        |           |      |
| 1   | 2380.26 | 38.60  | 32.78  | 5.82  | 54.00  | -15.40 | 263  | 97 Average | Vertical  |      |
| 2 * | 2480.00 | 112.53 | 106.40 | 6.13  | 54.00  | 58.53  | 263  | 97 Average | Vertical  |      |
| 3   | 2483.62 | 40.23  | 34.09  | 6.14  | 54.00  | -13.77 | 263  | 97 Average | Vertical  |      |

**8DPSK**

**Low Channel (Horizontal) Peak**



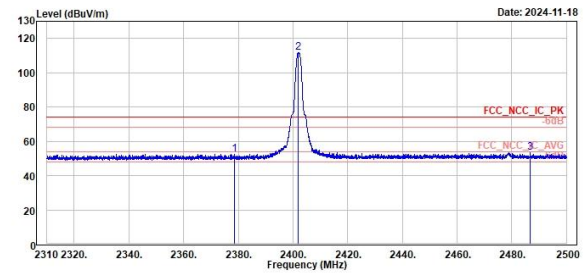
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|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark     | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |            |           |      |
| 1   | 2379.20 | 52.39  | 46.57  | 5.82  | 74.00  | -21.61 | 100  | 64   | Peak | Horizontal |           |      |
| 2 * | 2402.00 | 110.47 | 104.58 | 5.89  | 74.00  | 36.47  | 100  | 64   | Peak | Horizontal |           |      |
| 3   | 2498.37 | 52.23  | 46.08  | 6.15  | 74.00  | -21.77 | 100  | 64   | Peak | Horizontal |           |      |



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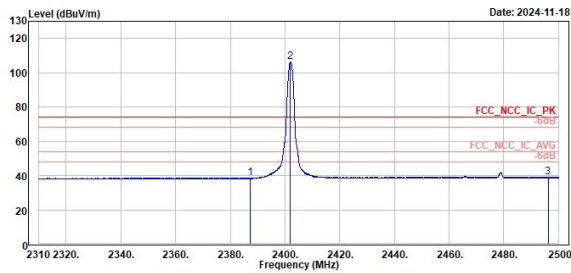
|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark   | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|----------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |          |           |      |
| 1   | 2379.59 | 52.56  | 46.73  | 5.83  | 74.00  | -21.44 | 254  | 92   | Peak | Vertical |           |      |
| 2 * | 2402.00 | 111.67 | 105.78 | 5.89  | 74.00  | 37.67  | 254  | 92   | Peak | Vertical |           |      |
| 3   | 2486.70 | 53.23  | 47.09  | 6.14  | 74.00  | -20.77 | 254  | 92   | Peak | Vertical |           |      |

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Low Channel (Horizontal) Average



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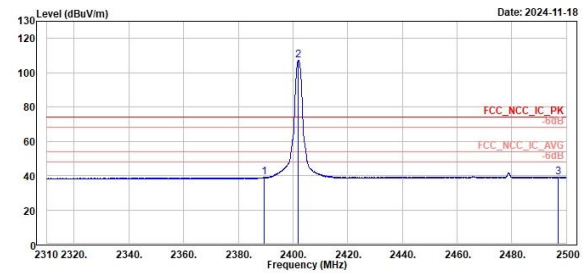


|     | Freq    | Level  | Read   | Limit | Over   | APos   | TPos | Remark     | Pol/Phase  | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------------|------------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | cm   | deg        |            |      |
| 1   | 2387.22 | 38.78  | 32.94  | 5.84  | 54.00  | -15.22 | 100  | 64 Average | Horizontal |      |
| 2 * | 2402.00 | 106.20 | 100.31 | 5.89  | 54.00  | 52.20  | 100  | 64 Average | Horizontal |      |
| 3   | 2496.20 | 39.16  | 33.02  | 6.14  | 54.00  | -14.84 | 100  | 64 Average | Horizontal |      |

Low Channel (Vertical) Average



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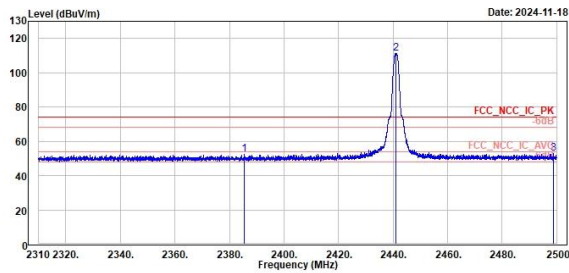
|     | Freq    | Level  | Read   | Limit | Over   | APos   | TPos | Remark     | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | cm   | deg        |           |      |
| 1   | 2389.53 | 38.90  | 33.05  | 5.85  | 54.00  | -15.10 | 254  | 92 Average | Vertical  |      |
| 2 * | 2402.00 | 107.35 | 101.46 | 5.89  | 54.00  | 53.35  | 254  | 92 Average | Vertical  |      |
| 3   | 2497.04 | 39.24  | 33.09  | 6.15  | 54.00  | -14.76 | 254  | 92 Average | Vertical  |      |

**8DPSK**

**Middle Channel (Horizontal) Peak**



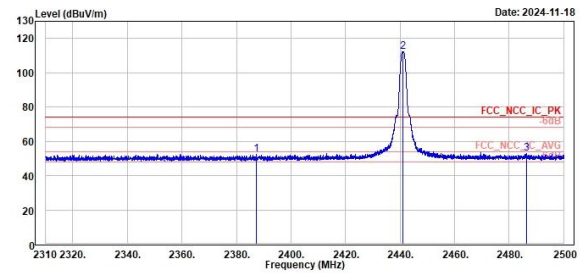
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|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark     | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | cm   | deg  |      |            |           |      |
| 1   | 2385.39 | 52.19  | 46.35  | 5.84  | 74.00  | -21.81 | 116  | 61   | Peak | Horizontal |           |      |
| 2 * | 2441.00 | 111.27 | 105.20 | 6.07  | 74.00  | 37.27  | 116  | 61   | Peak | Horizontal |           |      |
| 3   | 2498.71 | 52.83  | 46.68  | 6.15  | 74.00  | -21.17 | 116  | 61   | Peak | Horizontal |           |      |



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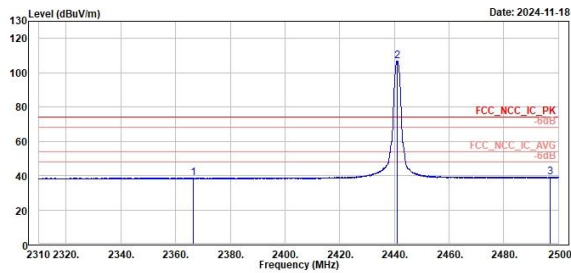
|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark   | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|----------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | cm   | deg  |      |          |           |      |
| 1   | 2387.33 | 52.63  | 46.79  | 5.84  | 74.00  | -21.37 | 270  | 95   | Peak | Vertical |           |      |
| 2 * | 2441.00 | 112.39 | 106.32 | 6.07  | 74.00  | 38.39  | 270  | 95   | Peak | Vertical |           |      |
| 3   | 2486.36 | 52.82  | 46.68  | 6.14  | 74.00  | -21.18 | 270  | 95   | Peak | Vertical |           |      |

**8DPSK**

**Middle Channel (Horizontal) Average**



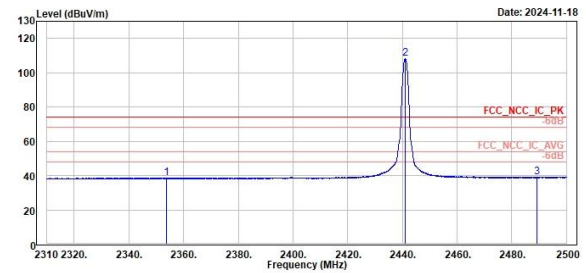
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|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark  | Pol/Phase  | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|---------|------------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |         |            |      |
| 1   | 2366.51 | 38.65  | 32.87  | 5.78  | 54.00  | -15.35 |      | 116  | 61   | Average | Horizontal |      |
| 2 * | 2441.00 | 106.97 | 100.99 | 6.07  | 54.00  | 52.97  |      | 116  | 61   | Average | Horizontal |      |
| 3   | 2496.88 | 39.18  | 33.03  | 6.15  | 54.00  | -14.82 |      | 116  | 61   | Average | Horizontal |      |



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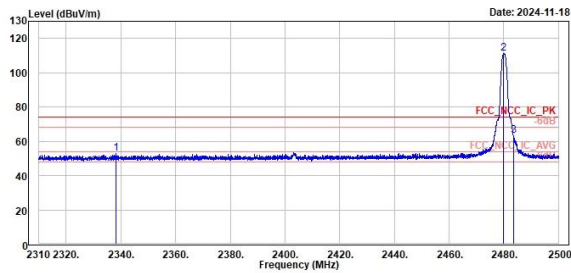
|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark  | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|---------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |         |           |      |
| 1   | 2353.89 | 38.77  | 33.01  | 5.76  | 54.00  | -15.23 |      | 270  | 95   | Average | Vertical  |      |
| 2 * | 2441.00 | 108.09 | 102.02 | 6.07  | 54.00  | 54.09  |      | 270  | 95   | Average | Vertical  |      |
| 3   | 2489.06 | 39.23  | 33.08  | 6.15  | 54.00  | -14.77 |      | 270  | 95   | Average | Vertical  |      |

**8DPSK**

**High Channel (Horizontal) Peak**



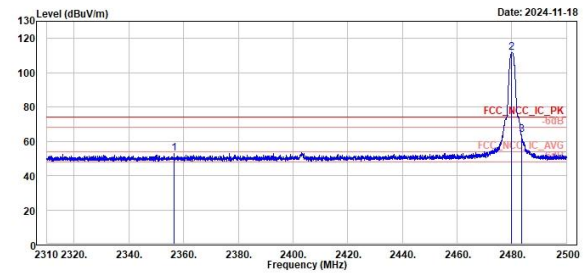
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|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark     | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |            |           |      |
| 1   | 2338.28 | 52.71  | 47.02  | 5.69  | 74.00  | -21.29 | 184  | 64   | Peak | Horizontal |           |      |
| 2 * | 2480.00 | 111.13 | 105.00 | 6.13  | 74.00  | 37.13  | 184  | 64   | Peak | Horizontal |           |      |
| 3   | 2483.62 | 63.12  | 56.98  | 6.14  | 74.00  | -10.88 | 184  | 64   | Peak | Horizontal |           |      |



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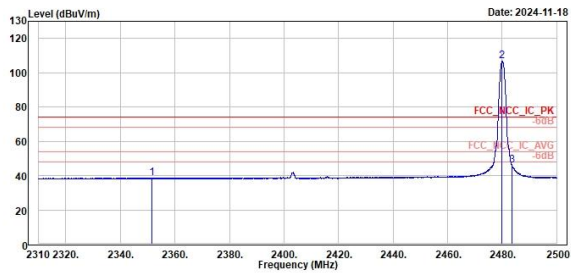
|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos | Remark   | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|------|----------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |          |           |      |
| 1   | 2356.63 | 53.02  | 47.26  | 5.76  | 74.00  | -20.98 | 244  | 91   | Peak | Vertical |           |      |
| 2 * | 2480.00 | 111.74 | 105.61 | 6.13  | 74.00  | 37.74  | 244  | 91   | Peak | Vertical |           |      |
| 3   | 2483.55 | 63.52  | 57.38  | 6.14  | 74.00  | -10.48 | 244  | 91   | Peak | Vertical |           |      |

**8DPSK**

**High Channel (Horizontal) Average**



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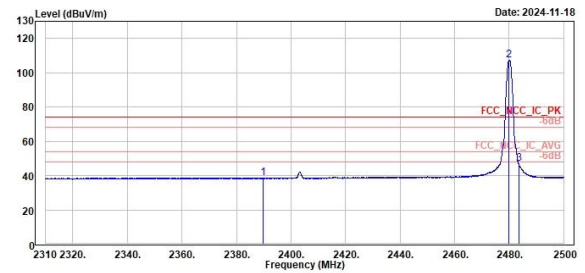


|     | Freq    | Level  | Read   | Level | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|-----|---------|--------|--------|-------|--------|--------|------|------|---------|------------|-----------|------|
|     | MHz     | dBuV/m | dBuV   | dB/m  | dBuV/m | dB     | cm   | deg  |         |            |           |      |
| 1   | 2351.42 | 38.78  | 33.04  | 5.74  | 54.00  | -15.22 | 104  | 64   | Average | Horizontal |           |      |
| 2 * | 2480.00 | 106.74 | 100.61 | 6.13  | 54.00  | 52.74  | 104  | 64   | Average | Horizontal |           |      |
| 3   | 2483.51 | 46.17  | 40.03  | 6.14  | 54.00  | -7.83  | 104  | 64   | 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   | 2389.00 | 38.72  | 32.07  | 5.05  | 54.00  | -15.28 | 244  | 91   | Average | Vertical |           |      |
| 2 * | 2480.00 | 107.44 | 101.31 | 6.13  | 54.00  | 53.44  | 244  | 91   | Average | Vertical |           |      |
| 3   | 2483.51 | 46.78  | 40.64  | 6.14  | 54.00  | -7.22  | 244  | 91   | Average | Vertical |           |      |

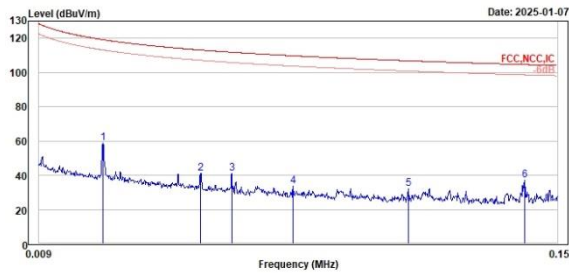
# Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

## GFSK

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



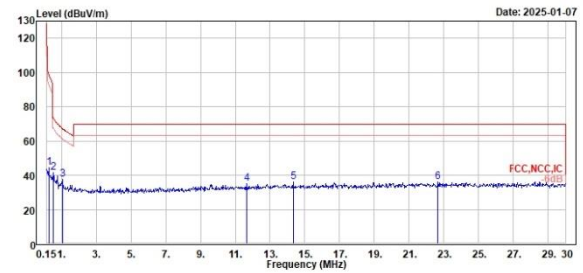
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| Freq | Level  | Read  | Level | Factor | Limit  | Over   | APos | TPos | Remark | Pol/Phase | Note |
|------|--------|-------|-------|--------|--------|--------|------|------|--------|-----------|------|
| MHz  | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm     | deg  |      |        |           |      |
| 1    | 0.03   | 59.03 | 39.35 | 19.68  | 119.13 | -60.10 | 100  | 207  | Peak   | Open      |      |
| 2    | 0.05   | 41.12 | 22.17 | 18.95  | 113.11 | -71.99 | 100  | 3    | Peak   | Open      |      |
| 3    | 0.06   | 41.23 | 22.44 | 18.79  | 111.82 | -70.59 | 100  | 223  | Peak   | Open      |      |
| 4    | 0.08   | 33.59 | 15.13 | 18.46  | 109.74 | -76.15 | 100  | 244  | Peak   | Open      |      |
| 5    | 0.11   | 32.31 | 14.27 | 18.04  | 106.82 | -74.51 | 100  | 83   | Peak   | Open      |      |
| 6    | 0.14   | 37.30 | 19.17 | 18.13  | 104.62 | -67.32 | 100  | 140  | Peak   | 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    | 0.27   | 44.71 | 26.29 | 18.42  | 98.99 | -54.28 | 100  | 148  | Peak   | Open      |      |
| 2    | 0.54   | 41.61 | 22.91 | 18.70  | 72.99 | -31.38 | 100  | 154  | Peak   | Open      |      |
| 3    | 1.05   | 37.73 | 19.03 | 18.70  | 67.22 | -29.49 | 100  | 249  | Peak   | Open      |      |
| 4    | 11.64  | 35.11 | 13.88 | 21.23  | 69.50 | -34.39 | 100  | 143  | Peak   | Open      |      |
| 5    | 14.33  | 36.14 | 14.53 | 21.61  | 69.50 | -33.36 | 100  | 224  | Peak   | Open      |      |
| 6    | 22.66  | 35.94 | 13.46 | 22.48  | 69.50 | -33.56 | 100  | 103  | Peak   | Open      |      |

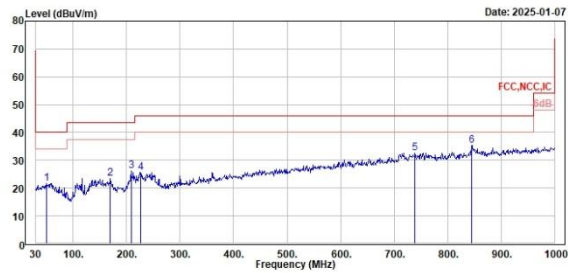
# Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

## GFSK

### Middle Channel (Horizontal)



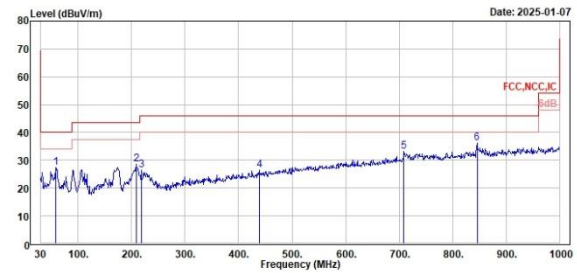
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| Peak | Freq   | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark     | Pol/Phase | Note |
|------|--------|--------|-------|-------|--------|--------|------|------|------|------------|-----------|------|
|      | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |      |            |           |      |
| 1    | 50.37  | 21.65  | 28.60 | -6.95 | 40.00  | -18.35 | 300  | 246  | Peak | Horizontal |           |      |
| 2    | 169.68 | 23.56  | 30.45 | -6.89 | 43.50  | -19.94 | 200  | 42   | Peak | Horizontal |           |      |
| 3    | 208.48 | 26.30  | 36.04 | -9.74 | 43.50  | -17.20 | 100  | 227  | Peak | Horizontal |           |      |
| 4    | 226.91 | 25.58  | 34.35 | -8.77 | 46.00  | -20.42 | 100  | 260  | Peak | Horizontal |           |      |
| 5    | 739.07 | 32.61  | 30.06 | 2.55  | 46.00  | -13.39 | 100  | 1    | Peak | Horizontal |           |      |
| 6    | 844.00 | 35.38  | 31.17 | 4.21  | 46.00  | -10.62 | 300  | 236  | Peak | Horizontal |           |      |



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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    | 58.13  | 27.35  | 34.65 | -7.30 | 40.00  | -12.65 | 100  | 95   | Peak | Vertical |           |      |
| 2    | 208.48 | 28.74  | 38.48 | -9.74 | 43.50  | -14.76 | 100  | 261  | Peak | Vertical |           |      |
| 3    | 218.18 | 26.37  | 35.75 | -9.38 | 46.00  | -19.63 | 100  | 0    | Peak | Vertical |           |      |
| 4    | 438.37 | 26.36  | 29.47 | -3.11 | 46.00  | -19.64 | 300  | 248  | Peak | Vertical |           |      |
| 5    | 709.00 | 33.12  | 30.97 | 2.15  | 46.00  | -12.88 | 200  | 36   | Peak | Vertical |           |      |
| 6    | 845.77 | 36.25  | 32.02 | 4.23  | 46.00  | -9.75  | 300  | 61   | Peak | Vertical |           |      |

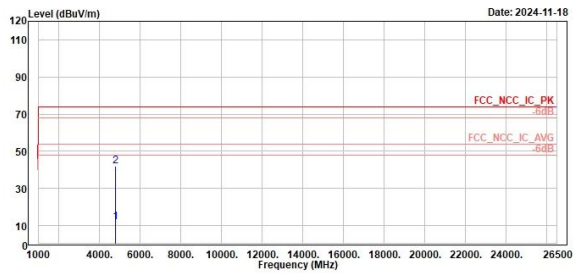
## Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

### GFSK

#### Low Channel (Horizontal)



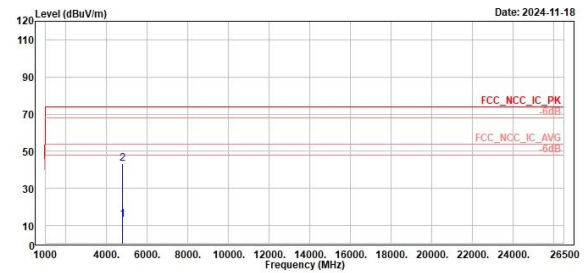
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|   | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|---------|--------|-------|-------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |         |            |           |      |
| 1 | 4894.00 | 11.88  | 2.13  | 9.75  | 54.00  | -42.12 | 480  | 236  | Average | Horizontal | CF        |      |
| 2 | 4894.00 | 41.98  | 32.23 | 9.75  | 74.00  | -32.02 | 480  | 236  | Peak    | Horizontal |           |      |



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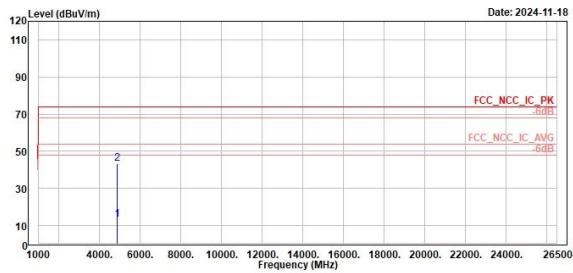
|   | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark   | Pol/Phase | Note |
|---|---------|--------|-------|-------|--------|--------|------|------|---------|----------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |         |          |           |      |
| 1 | 4894.00 | 13.30  | 3.55  | 9.75  | 54.00  | -40.70 | 180  | 233  | Average | Vertical | CF        |      |
| 2 | 4894.00 | 43.40  | 33.65 | 9.75  | 74.00  | -30.60 | 180  | 233  | Peak    | Vertical |           |      |

**GFSK**

**Middle Channel (Horizontal)**



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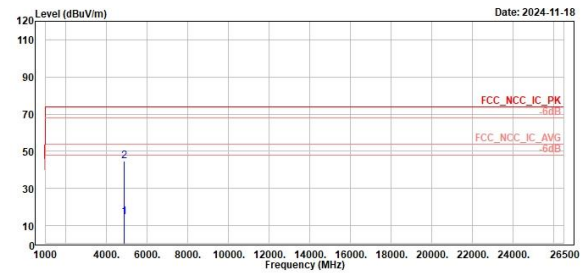


|   | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|---------|--------|-------|-------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |         |            |           |      |
| 1 | 4882.00 | 13.17  | 3.30  | 9.87  | 54.00  | -40.83 | 200  | 39   | Average | Horizontal | CF        |      |
| 2 | 4882.00 | 43.27  | 33.40 | 9.87  | 74.00  | -30.73 | 200  | 39   | Peak    | Horizontal |           |      |

**Middle Channel (Vertical)**



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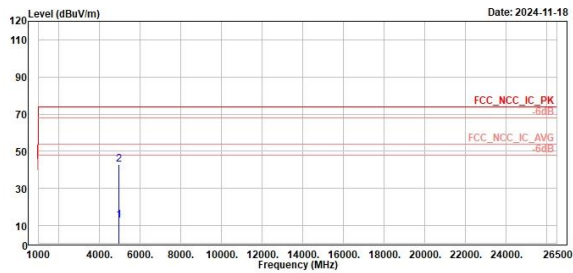
|   | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark   | Pol/Phase | Note |
|---|---------|--------|-------|-------|--------|--------|------|------|---------|----------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |         |          |           |      |
| 1 | 4882.00 | 14.64  | 4.77  | 9.87  | 54.00  | -39.36 | 100  | 170  | Average | Vertical | CF        |      |
| 2 | 4882.00 | 44.74  | 34.87 | 9.87  | 74.00  | -29.26 | 100  | 170  | Peak    | Vertical |           |      |

**GFSK**

**High Channel (Horizontal)**



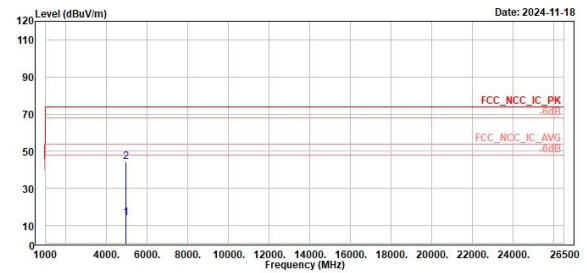
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|   | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|---------|--------|-------|-------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |         |            |           |      |
| 1 | 4960.00 | 12.93  | 2.77  | 10.16 | 54.00  | -41.07 | 180  | 135  | Average | Horizontal | CF        |      |
| 2 | 4960.00 | 43.03  | 32.67 | 10.16 | 74.00  | -30.97 | 180  | 135  | 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 | 14.09  | 3.03  | 10.16 | 54.00  | -39.91 | 180  | 171  | Average | Vertical | CF        |      |
| 2 | 4960.00 | 44.19  | 34.03 | 10.16 | 74.00  | -29.81 | 180  | 171  | Peak    | Vertical |           |      |

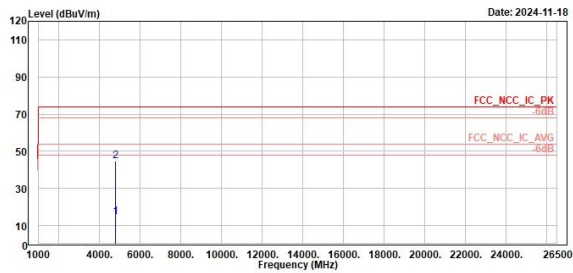
**8DPSK**

**Low Channel (Horizontal)**

**Low Channel (Vertical)**



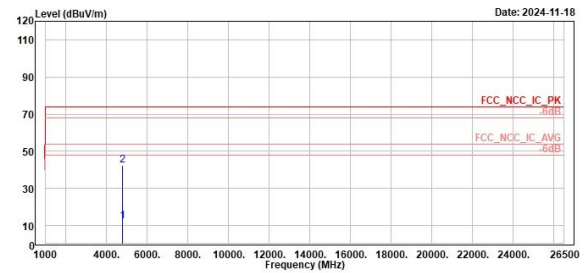
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|   | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|---------|--------|-------|-------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg     |            |           |      |
| 1 | 4894.00 | 14.47  | 4.72  | 9.75  | 54.00  | -39.53 | 180  | 132  | Average | Horizontal | CF        |      |
| 2 | 4894.00 | 44.57  | 34.62 | 9.75  | 74.00  | -29.43 | 180  | 132  | Peak    | Horizontal |           |      |



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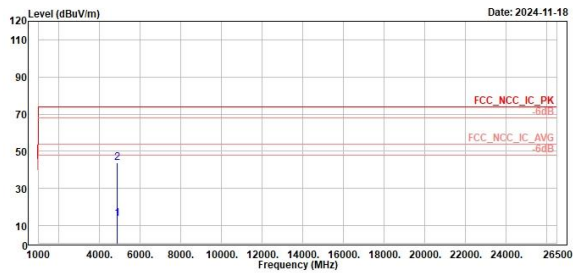
|   | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark   | Pol/Phase | Note |
|---|---------|--------|-------|-------|--------|--------|------|------|---------|----------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg     |          |           |      |
| 1 | 4894.00 | 12.42  | 2.67  | 9.75  | 54.00  | -41.58 | 280  | 50   | Average | Vertical | CF        |      |
| 2 | 4894.00 | 42.52  | 32.77 | 9.75  | 74.00  | -31.48 | 280  | 50   | Peak    | Vertical |           |      |

**8DPSK**

**Middle Channel (Horizontal)**



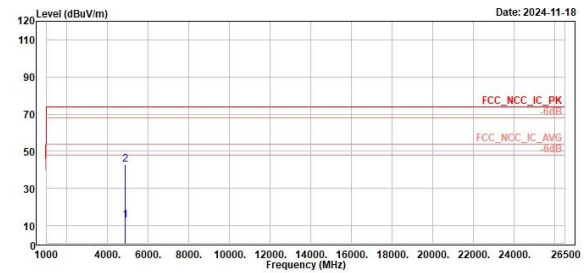
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|   | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark     | Pol/Phase | Note |
|---|---------|--------|-------|-------|--------|--------|------|------|---------|------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg     |            |           |      |
| 1 | 4882.00 | 13.53  | 3.66  | 9.87  | 54.00  | -40.47 | 180  | 56   | Average | Horizontal |           |      |
| 2 | 4882.00 | 43.63  | 33.76 | 9.87  | 74.00  | -30.37 | 180  | 56   | 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 | 4882.00 | 12.71  | 2.84  | 9.87  | 54.00  | -41.29 | 280  | 184  | Average | Vertical | CF        |      |
| 2 | 4882.00 | 42.81  | 32.94 | 9.87  | 74.00  | -31.19 | 280  | 184  | Peak    | Vertical |           |      |

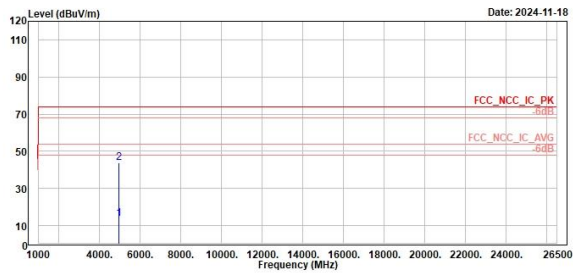
**8DPSK**

**High Channel (Horizontal)**

**High Channel (Vertical)**



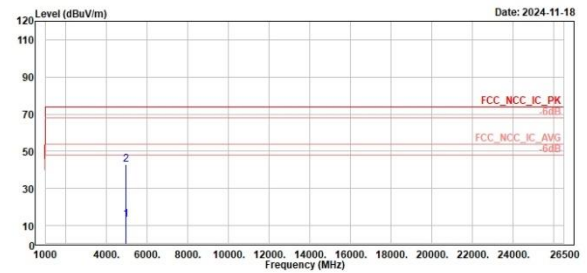
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|   | Freq    | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos    | Remark        | Pol/Phase | Note |
|---|---------|--------|-------|-------|--------|--------|------|------|---------|---------------|-----------|------|
|   | MHz     | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg  |         |               |           |      |
| 1 | 4960.00 | 13.91  | 3.75  | 10.16 | 54.00  | -40.09 | 200  | 0    | Average | Horizontal CF |           |      |
| 2 | 4960.00 | 44.01  | 33.65 | 10.16 | 74.00  | -29.99 | 200  | 0    | 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 | 13.01  | 2.85  | 10.16 | 54.00  | -40.99 | 100  | 105  | Average | Vertical |           |      |
| 2 | 4960.00 | 43.11  | 32.95 | 10.16 | 74.00  | -30.89 | 100  | 105  | Peak    | Vertical |           |      |

## Mains Conducted Emission, TX 150kHz ~ 30MHz

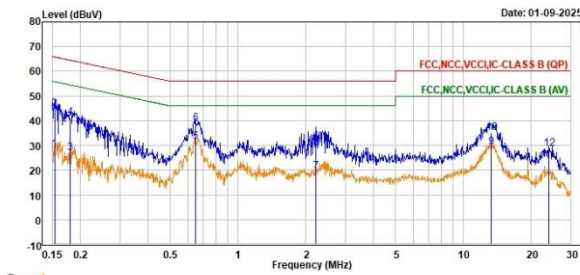
### Worst Band

#### (Line)

#### (Neutral)



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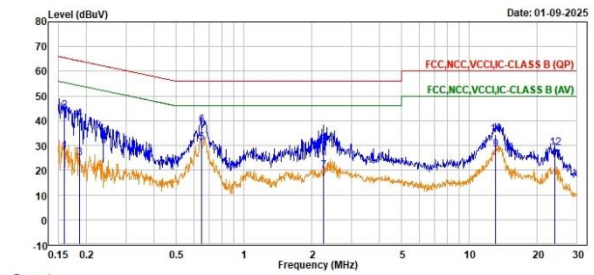


Trace: 1

|    | Freq  | Level | Read         | Limit | Over  |                |                |
|----|-------|-------|--------------|-------|-------|----------------|----------------|
|    | MHz   | dBuV  | Level Factor | Line  | Limit | Remark         | Pol/Phase Note |
| 1  | 0.15  | 28.32 | 18.69        | 9.63  | 55.83 | -27.51 Average | line1          |
| 2  | 0.15  | 44.84 | 35.21        | 9.63  | 65.83 | -20.99 QP      | line1          |
| 3  | 0.18  | 26.84 | 17.21        | 9.63  | 54.51 | -27.67 Average | line1          |
| 4  | 0.18  | 41.23 | 31.60        | 9.63  | 64.51 | -23.28 QP      | line1          |
| 5  | 0.65  | 31.25 | 21.62        | 9.63  | 46.00 | -14.75 Average | line1          |
| 6  | 0.65  | 39.02 | 29.39        | 9.63  | 56.00 | -16.98 QP      | line1          |
| 7  | 2.22  | 19.59 | 9.93         | 9.66  | 46.00 | -26.41 Average | line1          |
| 8  | 2.22  | 29.87 | 19.41        | 9.66  | 56.00 | -26.93 QP      | line1          |
| 9  | 13.31 | 29.27 | 19.53        | 9.74  | 50.00 | -28.73 Average | line1          |
| 10 | 13.31 | 35.27 | 25.53        | 9.74  | 60.00 | -24.73 QP      | line1          |
| 11 | 24.09 | 23.97 | 14.26        | 9.71  | 50.00 | -26.03 Average | line1          |
| 12 | 24.09 | 28.52 | 18.81        | 9.71  | 60.00 | -31.48 QP      | line1          |



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Trace: 1

|    | Freq  | Level | Read         | Limit | Over  |                |                |
|----|-------|-------|--------------|-------|-------|----------------|----------------|
|    | MHz   | dBuV  | Level Factor | Line  | Limit | Remark         | Pol/Phase Note |
| 1  | 0.16  | 27.65 | 18.01        | 9.64  | 55.54 | -27.89 Average | neutral        |
| 2  | 0.16  | 44.09 | 34.45        | 9.64  | 65.54 | -21.45 QP      | neutral        |
| 3  | 0.19  | 25.00 | 15.37        | 9.63  | 54.22 | -29.22 Average | neutral        |
| 4  | 0.19  | 40.70 | 31.07        | 9.63  | 64.22 | -23.52 QP      | neutral        |
| 5  | 0.65  | 31.18 | 21.55        | 9.63  | 46.00 | -14.82 Average | neutral        |
| 6  | 0.65  | 38.27 | 28.64        | 9.63  | 56.00 | -17.73 QP      | neutral        |
| 7  | 2.26  | 19.90 | 10.24        | 9.66  | 46.00 | -26.10 Average | neutral        |
| 8  | 2.26  | 30.19 | 20.53        | 9.66  | 56.00 | -25.81 QP      | neutral        |
| 9  | 13.12 | 28.29 | 18.48        | 9.81  | 50.00 | -21.71 Average | neutral        |
| 10 | 13.12 | 34.34 | 24.53        | 9.81  | 60.00 | -25.66 QP      | neutral        |
| 11 | 24.09 | 24.28 | 14.43        | 9.85  | 50.00 | -25.72 Average | neutral        |
| 12 | 24.09 | 29.07 | 19.22        | 9.85  | 60.00 | -30.93 QP      | neutral        |

**<EUT with Base>**

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

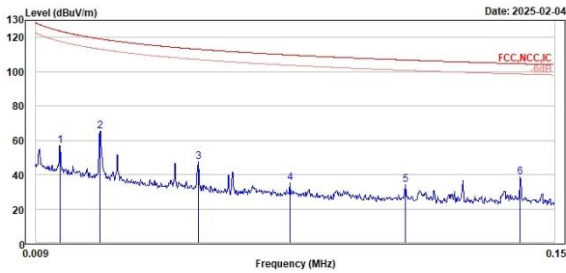
**GFSK**

**Middle Channel (Open) 9kHz~150kHz**

**Middle Channel (Open) 150kHz~30MHz**



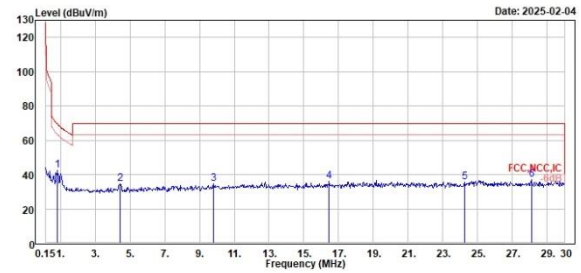
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| Peak | Freq | Level  | Read  | Limit | Over   | APos   | TPos | Remark   | Pol/Phase | Note |
|------|------|--------|-------|-------|--------|--------|------|----------|-----------|------|
|      | MHz  | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg      |           |      |
| 1    | 0.02 | 56.75  | 37.85 | 18.90 | 123.71 | -66.96 | 100  | 16 Peak  | Open      |      |
| 2    | 0.03 | 65.42  | 45.59 | 19.83 | 119.13 | -53.71 | 100  | 146 Peak | Open      |      |
| 3    | 0.05 | 47.24  | 28.57 | 18.67 | 113.89 | -65.85 | 100  | 315 Peak | Open      |      |
| 4    | 0.08 | 35.23  | 16.95 | 18.28 | 109.74 | -74.51 | 100  | 224 Peak | Open      |      |
| 5    | 0.11 | 34.09  | 16.01 | 18.08 | 106.82 | -72.73 | 100  | 253 Peak | Open      |      |
| 6    | 0.14 | 38.68  | 20.33 | 18.27 | 104.63 | -66.03 | 100  | 360 Peak | Open      |      |



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| Peak | Freq  | Level  | Read  | Limit | Over   | APos   | TPos | Remark   | Pol/Phase | Note |
|------|-------|--------|-------|-------|--------|--------|------|----------|-----------|------|
|      | MHz   | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | cm   | deg      |           |      |
| 1    | 0.84  | 42.51  | 23.58 | 18.93 | 69.15  | -26.64 | 100  | 108 Peak | Open      |      |
| 2    | 4.42  | 34.70  | 15.22 | 19.40 | 69.50  | -34.80 | 100  | 152 Peak | Open      |      |
| 3    | 9.82  | 34.38  | 13.18 | 21.20 | 69.50  | -35.12 | 100  | 102 Peak | Open      |      |
| 4    | 16.45 | 36.00  | 13.95 | 22.05 | 69.50  | -33.50 | 100  | 179 Peak | Open      |      |
| 5    | 24.24 | 35.50  | 13.00 | 22.50 | 69.50  | -34.00 | 100  | 82 Peak  | Open      |      |
| 6    | 28.09 | 37.27  | 14.25 | 23.02 | 69.50  | -32.23 | 100  | 223 Peak | Open      |      |

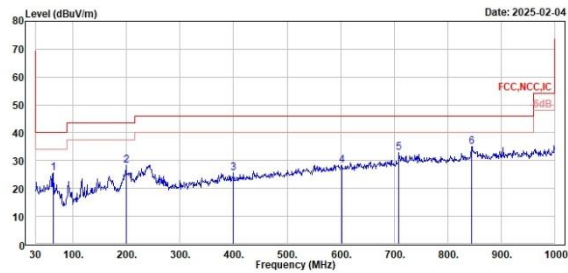
# Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

## GFSK

### Middle Channel (Horizontal)



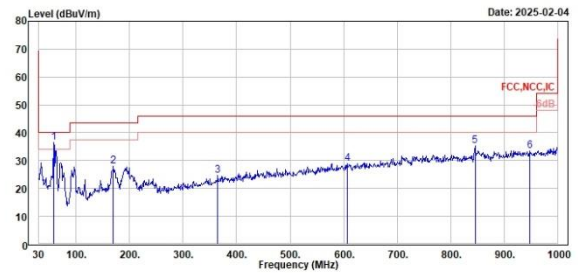
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|   | Freq   | Level  | Read  | Level | Factor | Limit  | Over | APos | TPos | Remark   | Pol/Phase  | Note |
|---|--------|--------|-------|-------|--------|--------|------|------|------|----------|------------|------|
|   | MHz    | dBuV/m | dBuV  | dB/m  | dBuV/m | dB     | dB   | cm   | deg  |          |            |      |
| 1 | 62.98  | 25.62  | 33.76 | -8.14 | 40.00  | -14.38 | 100  |      |      | 59 Peak  | Horizontal |      |
| 2 | 198.78 | 28.16  | 37.51 | -9.35 | 43.50  | -15.34 | 100  |      |      | 78 Peak  | Horizontal |      |
| 3 | 399.57 | 25.69  | 29.59 | -3.90 | 46.00  | -20.31 | 100  |      |      | 106 Peak | Horizontal |      |
| 4 | 602.30 | 28.25  | 27.99 | 0.26  | 46.00  | -17.75 | 100  |      |      | 148 Peak | Horizontal |      |
| 5 | 709.00 | 32.92  | 30.77 | 2.15  | 46.00  | -13.08 | 100  |      |      | 85 Peak  | Horizontal |      |
| 6 | 844.00 | 35.10  | 30.89 | 4.21  | 46.00  | -10.90 | 100  |      |      | 295 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 | 58.13  | 36.54  | 43.84 | -7.30 | 40.00  | -3.46  | 100  |      |      | 57 Peak  | Vertical  |      |
| 2 | 169.68 | 27.99  | 34.88 | -6.89 | 43.50  | -15.51 | 100  |      |      | 198 Peak | Vertical  |      |
| 3 | 364.65 | 24.68  | 29.28 | -4.60 | 46.00  | -21.32 | 100  |      |      | 274 Peak | Vertical  |      |
| 4 | 607.15 | 28.87  | 28.48 | 0.39  | 46.00  | -17.13 | 100  |      |      | 132 Peak | Vertical  |      |
| 5 | 845.77 | 35.22  | 30.99 | 4.23  | 46.00  | -10.78 | 100  |      |      | 206 Peak | Vertical  |      |
| 6 | 947.62 | 33.61  | 28.12 | 5.49  | 46.00  | -12.39 | 100  |      |      | 214 Peak | Vertical  |      |

# Mains Conducted Emission, TX 150kHz ~ 30MHz

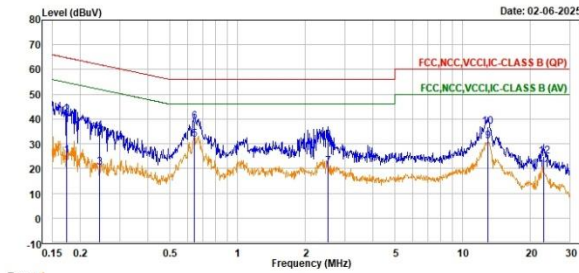
## Worst Band

### (Line)

### (Neutral)



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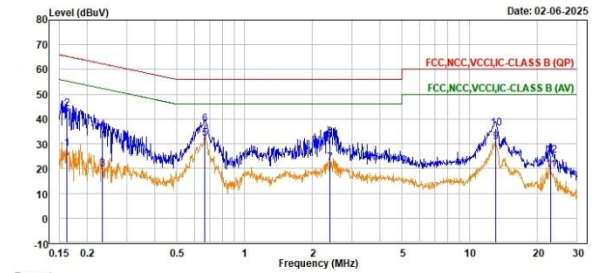


Trace: 1

|    | Freq  | Level | Read         | Limit | Over  |                |                |
|----|-------|-------|--------------|-------|-------|----------------|----------------|
|    | MHz   | dBuV  | Level Factor | Line  | Limit | Remark         | Pol/Phase Note |
|    | MHz   | dBuV  | dB           | dBuV  | dB    |                |                |
| 1  | 0.17  | 25.19 | 15.56        | 9.63  | 54.76 | -29.57 Average | line1          |
| 2  | 0.17  | 41.76 | 32.13        | 9.63  | 64.76 | -23.00 QP      | line1          |
| 3  | 0.24  | 20.39 | 10.76        | 9.63  | 51.98 | -31.59 Average | line1          |
| 4  | 0.24  | 35.03 | 25.40        | 9.63  | 61.98 | -26.95 QP      | line1          |
| 5  | 0.64  | 31.62 | 21.99        | 9.63  | 46.00 | -14.38 Average | line1          |
| 6  | 0.64  | 38.83 | 29.20        | 9.63  | 56.00 | -17.17 QP      | line1          |
| 7  | 2.52  | 20.94 | 11.28        | 9.66  | 46.00 | -25.06 Average | line1          |
| 8  | 2.52  | 31.51 | 21.85        | 9.66  | 56.00 | -24.49 QP      | line1          |
| 9  | 12.92 | 31.15 | 21.40        | 9.75  | 50.00 | -18.85 Average | line1          |
| 10 | 12.92 | 36.98 | 27.23        | 9.75  | 60.00 | -23.02 QP      | line1          |
| 11 | 22.92 | 19.28 | 9.56         | 9.72  | 50.00 | -30.72 Average | line1          |
| 12 | 22.92 | 24.87 | 15.15        | 9.72  | 60.00 | -35.13 QP      | line1          |



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Trace: 1

|    | Freq  | Level | Read         | Limit | Over  |                |                |
|----|-------|-------|--------------|-------|-------|----------------|----------------|
|    | MHz   | dBuV  | Level Factor | Line  | Limit | Remark         | Pol/Phase Note |
|    | MHz   | dBuV  | dB           | dBuV  | dB    |                |                |
| 1  | 0.16  | 27.82 | 18.18        | 9.64  | 55.38 | -27.56 Average | neutral        |
| 2  | 0.16  | 44.12 | 34.48        | 9.64  | 65.38 | -21.26 QP      | neutral        |
| 3  | 0.23  | 19.86 | 10.23        | 9.63  | 52.32 | -32.46 Average | neutral        |
| 4  | 0.23  | 35.64 | 26.01        | 9.63  | 62.32 | -26.68 QP      | neutral        |
| 5  | 0.66  | 32.19 | 22.56        | 9.63  | 46.00 | -13.81 Average | neutral        |
| 6  | 0.66  | 38.04 | 28.41        | 9.63  | 56.00 | -17.96 QP      | neutral        |
| 7  | 2.40  | 22.13 | 12.46        | 9.67  | 46.00 | -23.87 Average | neutral        |
| 8  | 2.40  | 31.90 | 22.23        | 9.67  | 56.00 | -24.10 QP      | neutral        |
| 9  | 13.12 | 30.65 | 20.84        | 9.81  | 50.00 | -19.35 Average | neutral        |
| 10 | 13.12 | 36.17 | 26.36        | 9.81  | 60.00 | -23.83 QP      | neutral        |
| 11 | 22.92 | 19.58 | 9.73         | 9.85  | 50.00 | -30.42 Average | neutral        |
| 12 | 22.92 | 25.37 | 15.52        | 9.85  | 60.00 | -34.63 QP      | neutral        |