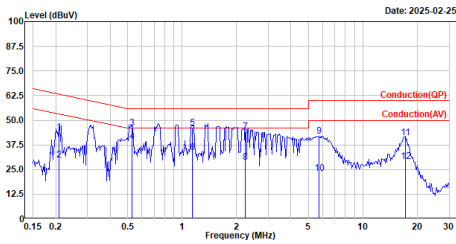


## Appendix A. Test Result of AC Power Line Conducted Emission

Site :HY-SR01  
Condition :Line  
Mode :TX\_2440MHz  
test by :Ryan

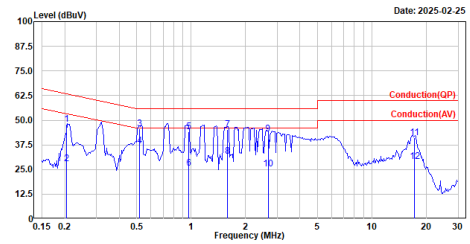


| No. | Frequency | Level | Limit | Over   | Read  | Factor | Remark  |
|-----|-----------|-------|-------|--------|-------|--------|---------|
|     | MHz       | dBuV  | dBuV  | Limit  | Level | dB     |         |
| 1   | 0.209     | 43.93 | 63.25 | -19.32 | 34.29 | 9.64   | QP      |
| 2   | 0.209     | 29.93 | 53.25 | -23.32 | 20.29 | 9.64   | Average |
| 3   | 0.529     | 45.97 | 56.00 | -10.03 | 36.32 | 9.65   | QP      |
| 4   | 0.529     | 39.10 | 46.00 | -6.90  | 29.45 | 9.65   | Average |
| 5   | 1.139     | 45.93 | 56.00 | -10.07 | 36.23 | 9.70   | QP      |
| 6   | 1.139     | 33.47 | 46.00 | -12.53 | 23.77 | 9.70   | Average |
| 7   | 2.231     | 44.28 | 56.00 | -11.72 | 34.48 | 9.80   | QP      |
| 8   | 2.231     | 28.57 | 46.00 | -17.43 | 18.77 | 9.80   | Average |
| 9   | 5.739     | 41.75 | 60.00 | -18.25 | 31.62 | 10.13  | QP      |
| 10  | 5.739     | 23.14 | 50.00 | -26.86 | 13.01 | 10.13  | Average |
| 11  | 17.180    | 41.31 | 60.00 | -18.69 | 31.50 | 9.81   | QP      |
| 12  | 17.180    | 29.24 | 50.00 | -20.76 | 19.43 | 9.81   | Average |

Note:

1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

Site :HY-SR01  
Condition :Neutral  
Mode :TX\_2440MHz  
test by :Ryan



| No. | Frequency | Level | Limit | Over   | Read  | Factor | Remark  |
|-----|-----------|-------|-------|--------|-------|--------|---------|
|     | MHz       | dBuV  | dBuV  | Limit  | Level | dB     |         |
| 1   | 0.205     | 48.05 | 63.40 | -15.35 | 38.43 | 9.62   | QP      |
| 2   | 0.205     | 27.76 | 53.40 | -25.64 | 18.14 | 9.62   | Average |
| 3   | 0.518     | 45.64 | 56.00 | -10.36 | 36.01 | 9.63   | QP      |
| 4   | 0.518     | 36.05 | 46.00 | -9.14  | 27.23 | 9.63   | Average |
| 5   | 0.967     | 44.13 | 56.00 | -11.87 | 34.46 | 9.67   | QP      |
| 6   | 0.967     | 25.84 | 46.00 | -20.16 | 16.17 | 9.67   | Average |
| 7   | 1.595     | 45.37 | 56.00 | -10.63 | 35.65 | 9.72   | QP      |
| 8   | 1.595     | 31.60 | 46.00 | -14.40 | 21.88 | 9.72   | Average |
| 9   | 2.664     | 42.87 | 56.00 | -13.13 | 33.03 | 9.84   | QP      |
| 10  | 2.664     | 25.42 | 46.00 | -20.58 | 15.50 | 9.84   | Average |
| 11  | 17.181    | 41.00 | 60.00 | -19.00 | 31.13 | 9.87   | QP      |
| 12  | 17.181    | 29.06 | 50.00 | -20.94 | 19.19 | 9.87   | Average |

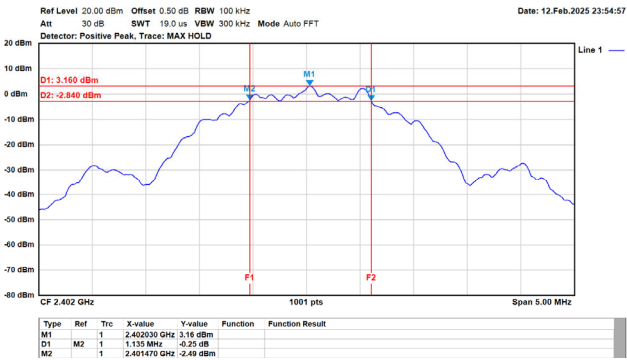
Note:

1. Level = Read Level + Factor
2. Factor = LISN insertion loss + Cable loss
3. Over Limit = Level - Limit Line

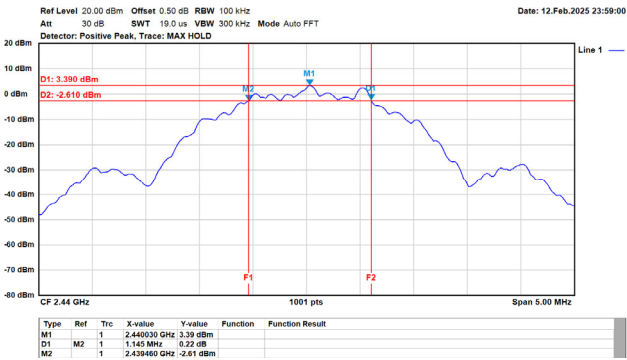
**Appendix B. Test Result of 6dB Bandwidth**

| Modulation | Frequency<br>(MHz) | 6dB Bandwidth<br>(MHz) | Limit<br>(MHz) | Result |
|------------|--------------------|------------------------|----------------|--------|
|            |                    | Ant. 1                 |                |        |
| GFSK       | 2402               | 1.14                   | >0.50          | Pass   |
|            | 2440               | 1.15                   | >0.50          | Pass   |
|            | 2480               | 1.14                   | >0.50          | Pass   |

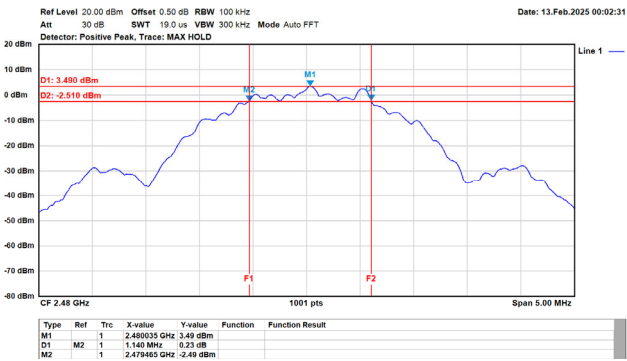
GFSK/2402MHz/Ch0/Ant.1



GFSK/2440MHz/Ch19/Ant.1



GFSK/2480MHz/Ch39/Ant.1

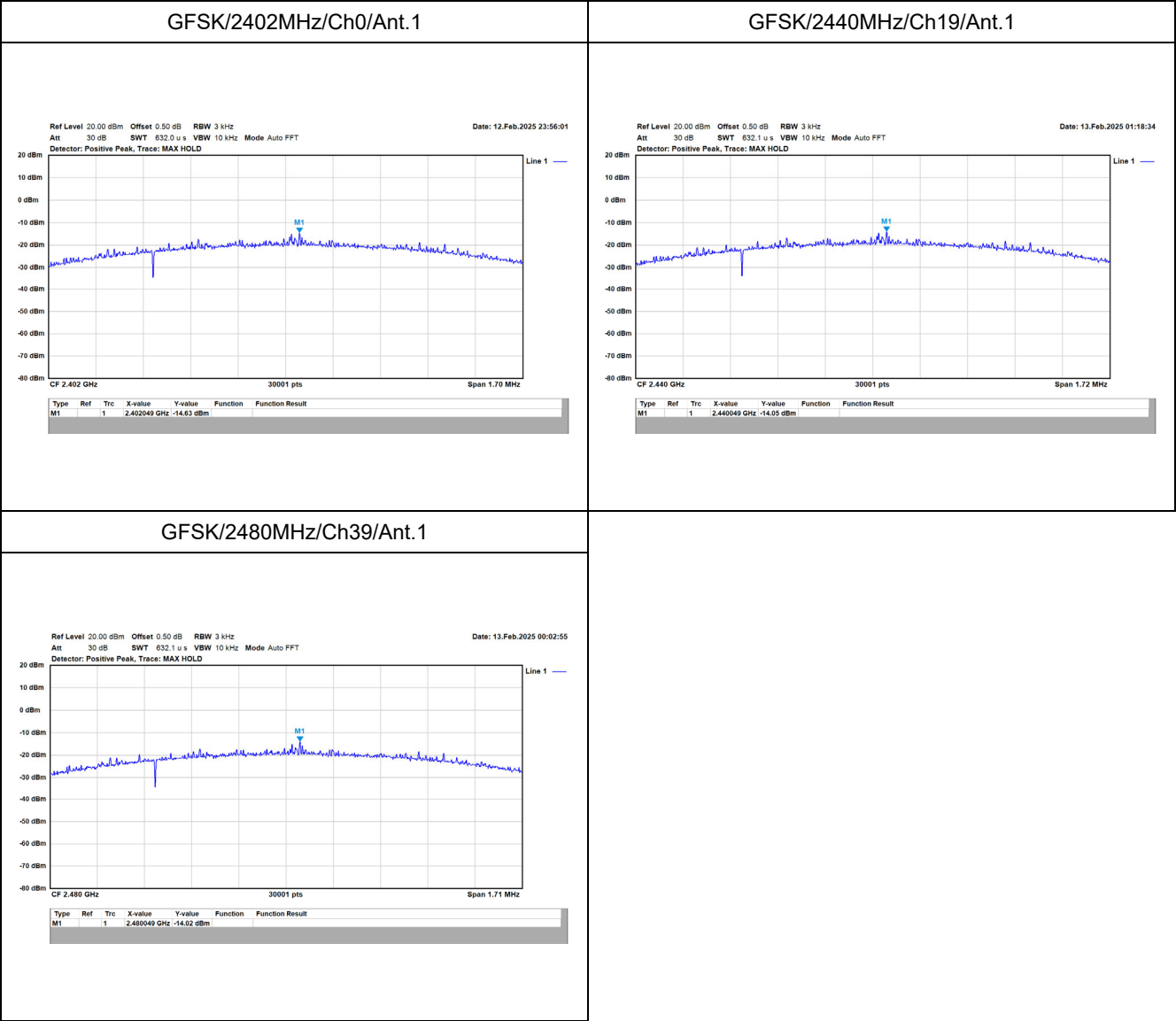


**Appendix C. Test Result of Maximum Peak Conducted Output Power**

| Modulation | Frequency<br>(MHz) | Maximum Conducted<br>Output Power<br>(dBm) | Limit<br>(dBm) | Result |
|------------|--------------------|--------------------------------------------|----------------|--------|
|            |                    | Ant. 1                                     |                |        |
| GFSK       | 2402               | 4.66                                       | 30.00          | Pass   |
|            | 2440               | 4.87                                       | 30.00          | Pass   |
|            | 2480               | 5.11                                       | 30.00          | Pass   |

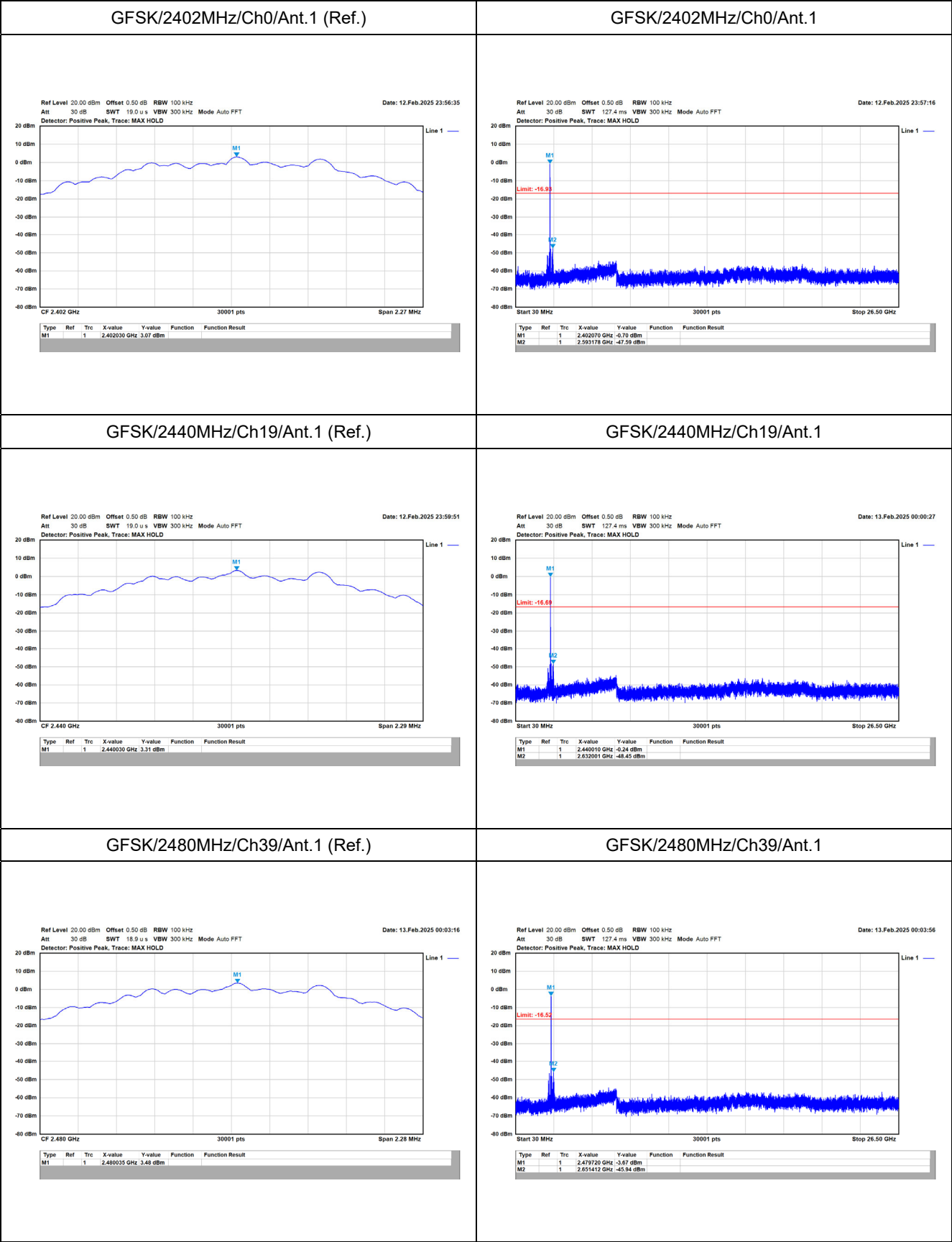
**Appendix D. Test Result of Power Spectral Density**

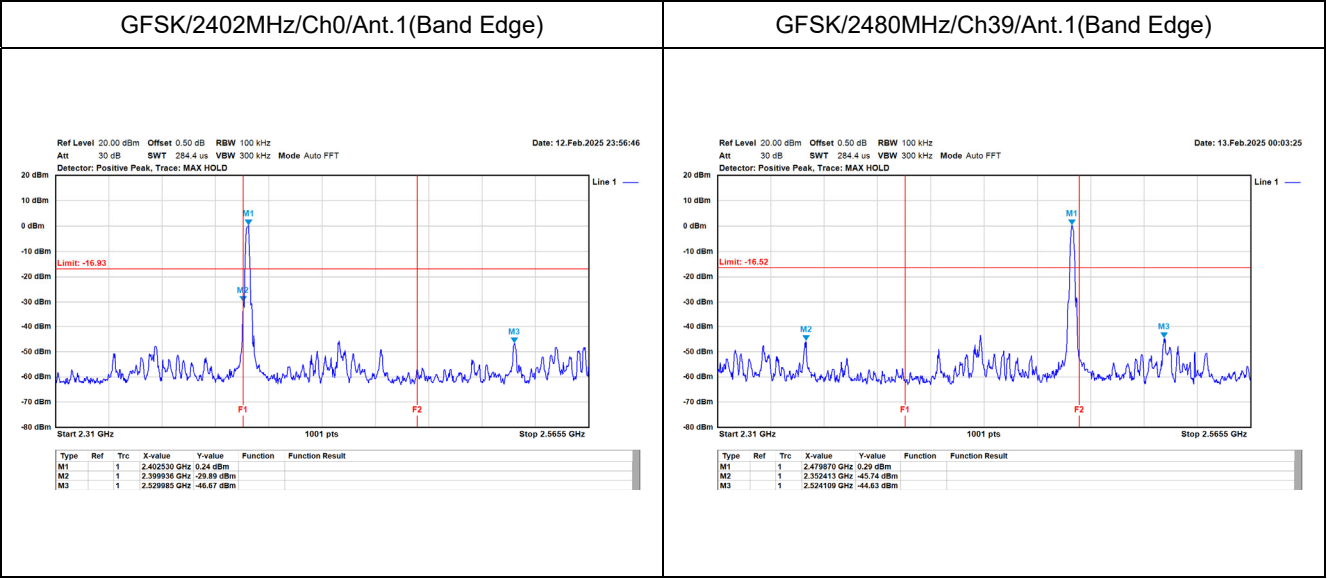
| Modulation | Frequency<br>(MHz) | Power Spectral Density<br>(dBm / 3kHz) | Limit<br>(dBm / 3kHz) | Result |
|------------|--------------------|----------------------------------------|-----------------------|--------|
|            |                    | Ant. 1                                 |                       |        |
| GFSK       | 2402               | -14.63                                 | 8.00                  | Pass   |
|            | 2440               | -14.05                                 | 8.00                  | Pass   |
|            | 2480               | -14.02                                 | 8.00                  | Pass   |



**Appendix E. Test Result of Antenna Port Conducted Emission**

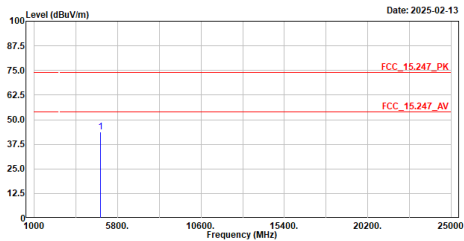
| Modulation | Measurement Level<br>$\Delta$ (dB) | Result |
|------------|------------------------------------|--------|
| GFSK       | > 20                               | PASS   |





## Appendix F. Test Result of Radiated Emission

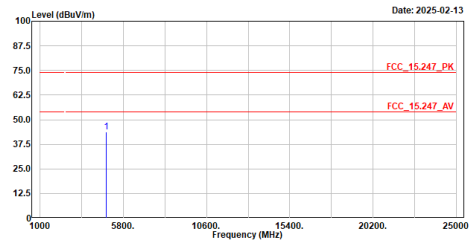
Site :HY-CB03  
Condition :3m Horizontal  
Mode :TX\_2402MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB/m   |        |
| 1   | 4884.000  | 43.69  | 74.00  | -30.31 | 58.32 | -14.63 | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

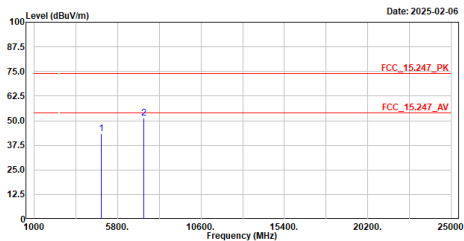
Site :HY-CB03  
Condition :3m Vertical  
Mode :TX\_2402MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB/m   |        |
| 1   | 4884.000  | 43.93  | 74.00  | -30.07 | 58.56 | -14.63 | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

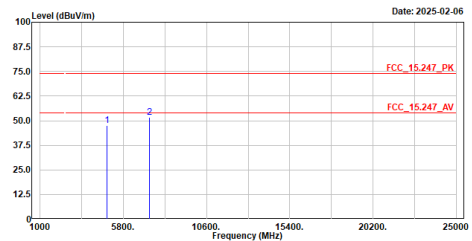
Site :HY-CB03  
Condition :3m Horizontal  
Mode :TX\_2440MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB/m   |        |
| 1   | 4880.000  | 43.51  | 74.00  | -30.49 | 57.78 | -14.27 | Peak   |
| 2   | 7320.000  | 51.22  | 74.00  | -22.78 | 57.78 | -6.56  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

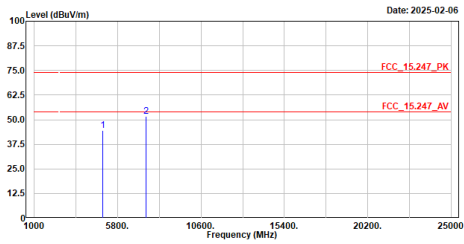
Site :HY-CB03  
Condition :3m Vertical  
Mode :TX\_2440MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB/m   |        |
| 1   | 4880.000  | 47.67  | 74.00  | -26.33 | 61.94 | -14.27 | Peak   |
| 2   | 7320.000  | 51.81  | 74.00  | -22.19 | 58.37 | -6.56  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03  
Condition :3m Horizontal  
Mode :TX\_2480MHz  
Test BY :Bob

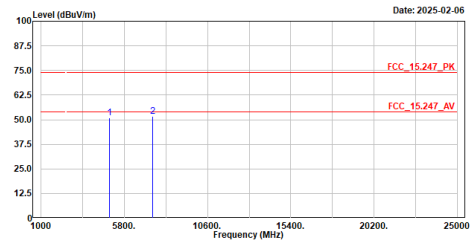


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB/m   |        |
| 1   | 4960.000  | 44.69  | 74.00  | -29.31 | 58.59 | -13.90 | Peak   |
| 2   | 7440.000  | 51.59  | 74.00  | -22.41 | 58.25 | -6.66  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03  
Condition :3m Vertical  
Mode :TX\_2480MHz  
Test BY :Bob

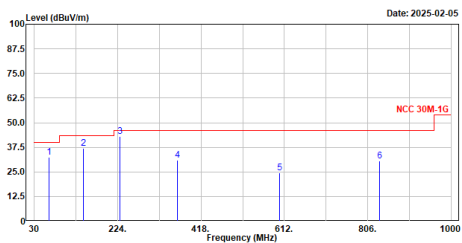


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB/m   |        |
| 1   | 4960.000  | 50.88  | 74.00  | -23.12 | 64.78 | -13.90 | Peak   |
| 2   | 7440.000  | 51.54  | 74.00  | -22.46 | 58.20 | -6.66  | Peak   |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03  
Condition :3m Horizontal  
Mode :TX\_2440MHz  
Test BY :Bob

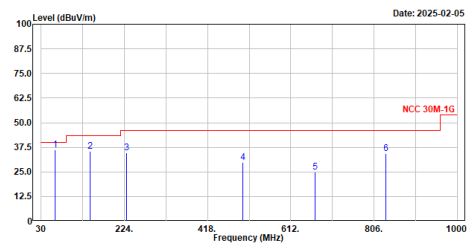


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB/m   |        |
| 1   | 64.920    | 32.64  | 40.00  | -7.36  | 58.09 | -25.45 | QP     |
| 2   | 144.460   | 37.04  | 43.50  | -6.46  | 61.24 | -24.20 | QP     |
| 3   | 229.820   | 42.84  | 46.00  | -3.16  | 68.66 | -25.82 | QP     |
| 4   | 362.710   | 30.85  | 46.00  | -15.15 | 52.52 | -21.67 | QP     |
| 5   | 668.260   | 24.34  | 46.00  | -21.66 | 39.75 | -15.41 | QP     |
| 6   | 833.160   | 30.60  | 46.00  | -15.40 | 42.87 | -12.27 | QP     |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

Site :HY-CB03  
Condition :3m Vertical  
Mode :TX\_2440MHz  
Test BY :Bob

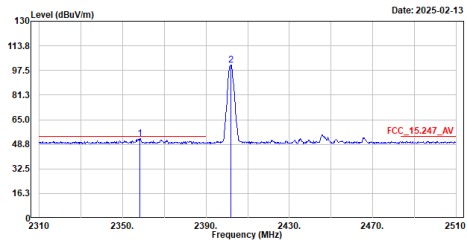


| No. | Frequency | Level  | Limit  | Over   | Read  | Factor | Remark |
|-----|-----------|--------|--------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | dBuV/m | dB     | dBuV  | dB/m   |        |
| 1   | 62.980    | 36.38  | 40.00  | -3.62  | 61.55 | -25.17 | QP     |
| 2   | 144.460   | 35.31  | 43.50  | -8.19  | 59.51 | -24.20 | QP     |
| 3   | 229.820   | 34.87  | 46.00  | -11.13 | 60.69 | -25.82 | QP     |
| 4   | 499.480   | 29.65  | 46.00  | -16.35 | 47.67 | -18.02 | QP     |
| 5   | 668.260   | 25.09  | 46.00  | -20.91 | 39.72 | -14.63 | QP     |
| 6   | 833.160   | 34.32  | 46.00  | -11.68 | 46.59 | -12.27 | QP     |

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.

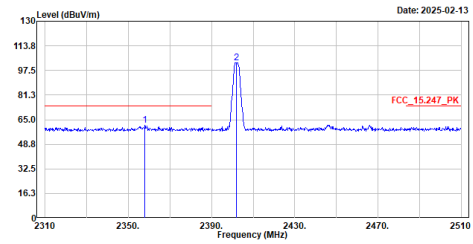
Site :HY-CB03  
Condition :3m Horizontal  
Mode :TX\_2402MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|-------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | Line  | Limit | Level | dB/m   |         |
| 1   | 2358.400  | 52.37  | 54.00 | -1.63 | 21.72 | 30.65  | Average |
| 2   | 2402.000  | 101.22 | ----- | ----- | 70.53 | 30.69  | Average |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

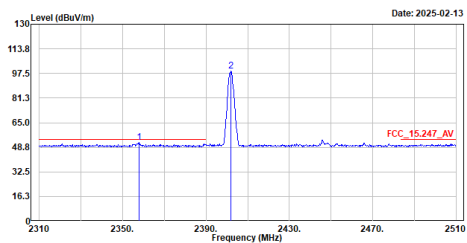
Site :HY-CB03  
Condition :3m Horizontal  
Mode :TX\_2402MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit | Over   | Read  | Factor | Remark |
|-----|-----------|--------|-------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | Line  | Limit  | Level | dB/m   |        |
| 1   | 2358.000  | 61.09  | 74.00 | -12.91 | 30.44 | 30.65  | Peak   |
| 2   | 2402.000  | 102.38 | ----- | -----  | 71.69 | 30.69  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

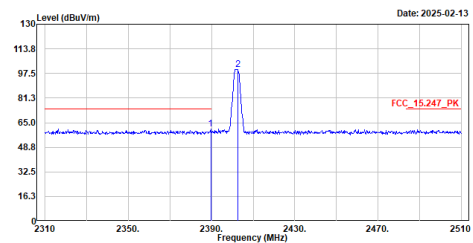
Site :HY-CB03  
Condition :3m Vertical  
Mode :TX\_2402MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|-------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | Line  | Limit | Level | dB/m   |         |
| 1   | 2358.000  | 51.83  | 54.00 | -2.17 | 21.18 | 30.65  | Average |
| 2   | 2402.000  | 98.89  | ----- | ----- | 68.20 | 30.69  | Average |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

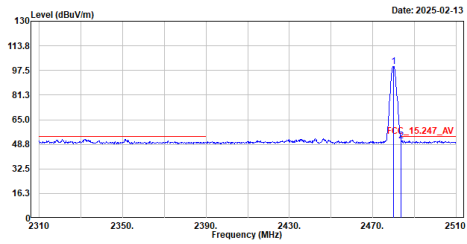
Site :HY-CB03  
Condition :3m Vertical  
Mode :TX\_2402MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit | Over   | Read  | Factor | Remark |
|-----|-----------|--------|-------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | Line  | Limit  | Level | dB/m   |        |
| 1   | 2389.600  | 60.78  | 74.00 | -13.22 | 30.12 | 30.66  | Peak   |
| 2   | 2402.600  | 100.06 | ----- | -----  | 69.36 | 30.70  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

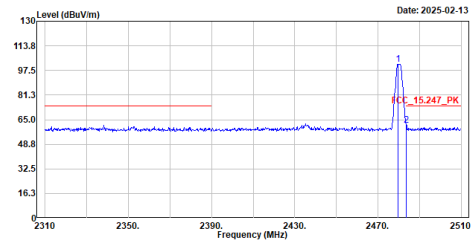
Site :HY-CB03  
Condition :3m Horizontal  
Mode :TX\_2480MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|-------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | Line  | Limit | Level | dB/m   |         |
| 1   | 2480.000  | 100.31 | ----- | ----- | 69.69 | 30.62  | Average |
| 2   | 2483.600  | 51.22  | 54.00 | -2.78 | 20.55 | 30.67  | Average |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

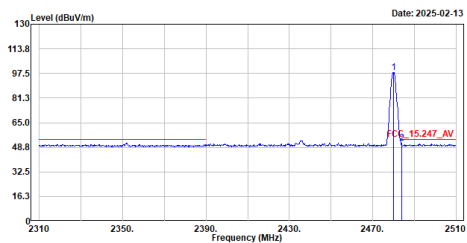
Site :HY-CB03  
Condition :3m Horizontal  
Mode :TX\_2480MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit | Over   | Read  | Factor | Remark |
|-----|-----------|--------|-------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | Line  | Limit  | Level | dB/m   |        |
| 1   | 2479.600  | 101.55 | ----- | -----  | 70.93 | 30.62  | Peak   |
| 2   | 2483.600  | 61.36  | 74.00 | -12.64 | 30.69 | 30.67  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

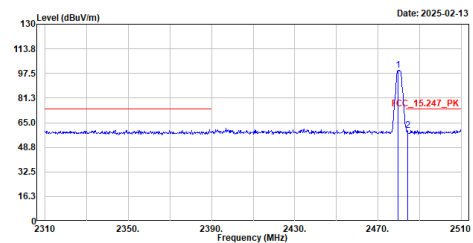
Site :HY-CB03  
Condition :3m Vertical  
Mode :TX\_2480MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit | Over  | Read  | Factor | Remark  |
|-----|-----------|--------|-------|-------|-------|--------|---------|
|     | MHz       | dBuV/m | Line  | Limit | Level | dB/m   |         |
| 1   | 2480.000  | 98.24  | ----- | ----- | 67.62 | 30.62  | Average |
| 2   | 2483.800  | 51.35  | 54.00 | -2.65 | 20.68 | 30.67  | Average |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.

Site :HY-CB03  
Condition :3m Vertical  
Mode :TX\_2480MHz  
Test BY :Bob



| No. | Frequency | Level  | Limit | Over   | Read  | Factor | Remark |
|-----|-----------|--------|-------|--------|-------|--------|--------|
|     | MHz       | dBuV/m | Line  | Limit  | Level | dB/m   |        |
| 1   | 2479.600  | 99.46  | ----- | -----  | 68.84 | 30.62  | Peak   |
| 2   | 2484.200  | 59.72  | 74.00 | -14.28 | 29.05 | 30.67  | Peak   |

Note:  
1. Level = Read Level + Factor  
2. Factor = Antenna Factor + Cable Loss - Preamp Factor  
3. Over Limit = Level - Limit Line  
4. The emission levels of other frequencies are very lower than the limit and not show in test report.