



**BUREAU  
VERITAS**

Test Report No.: W7L-P23030016RF02

|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 6 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.49                         | 59.53                   | 74.00             | -22.51         | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Peak    |
| 2390.000                                            | 43.42                         | 51.46                   | 54.00             | -10.58         | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Average |
| 2437.000                                            | 105.62                        | 113.43                  | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 175                       | 35                         | Peak    |
| 2437.000                                            | 104.14                        | 111.95                  | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 175                       | 35                         | Average |
| 2483.500                                            | 49.88                         | 57.45                   | 74.00             | -24.12         | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Peak    |
| 2483.500                                            | 43.38                         | 50.95                   | 54.00             | -10.62         | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.15                         | 58.80                   | 74.00             | -22.85         | 32.14                        | 6.18                  | 45.97                    | 100                       | 320                        | Peak    |
| 2390.000                                            | 43.77                         | 51.42                   | 54.00             | -10.23         | 32.14                        | 6.18                  | 45.97                    | 100                       | 320                        | Average |
| 2437.000                                            | 101.21                        | 108.67                  | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 100                       | 320                        | Peak    |
| 2437.000                                            | 99.26                         | 106.72                  | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 100                       | 320                        | Average |
| 2483.500                                            | 51.02                         | 58.28                   | 74.00             | -22.98         | 32.36                        | 6.31                  | 45.93                    | 100                       | 320                        | Peak    |
| 2483.500                                            | 43.82                         | 51.08                   | 54.00             | -10.18         | 32.36                        | 6.31                  | 45.93                    | 100                       | 320                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2437MHz: Fundamental frequency.



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|                        |               |                          |              |
|------------------------|---------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 11 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz  |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 50.89                         | 58.93                   | 74.00             | -23.11         | 31.75                        | 6.18                  | 45.97                    | 190                       | 35                         | Peak    |
| 2390.000                                            | 43.23                         | 51.27                   | 54.00             | -10.77         | 31.75                        | 6.18                  | 45.97                    | 190                       | 35                         | Average |
| 2462.000                                            | 106.48                        | 114.16                  | /                 | /              | 31.98                        | 6.28                  | 45.94                    | 190                       | 35                         | Peak    |
| 2462.000                                            | 105.08                        | 112.76                  | /                 | /              | 31.98                        | 6.28                  | 45.94                    | 190                       | 35                         | Average |
| 2483.500                                            | 51.66                         | 59.23                   | 74.00             | -22.34         | 32.05                        | 6.31                  | 45.93                    | 190                       | 35                         | Peak    |
| 2483.500                                            | 43.67                         | 51.24                   | 54.00             | -10.33         | 32.05                        | 6.31                  | 45.93                    | 190                       | 35                         | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 52.23                         | 59.88                   | 74.00             | -21.77         | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Peak    |
| 2390.000                                            | 43.53                         | 51.18                   | 54.00             | -10.47         | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Average |
| 2462.000                                            | 104.15                        | 111.50                  | /                 | /              | 32.31                        | 6.28                  | 45.94                    | 100                       | 280                        | Peak    |
| 2462.000                                            | 101.74                        | 109.09                  | /                 | /              | 32.31                        | 6.28                  | 45.94                    | 100                       | 280                        | Average |
| 2483.500                                            | 52.11                         | 59.37                   | 74.00             | -21.89         | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Peak    |
| 2483.500                                            | 44.79                         | 52.05                   | 54.00             | -9.21          | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2462MHz: Fundamental frequency.



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Test Report No.: W7L-P23030016RF02

802.11g

|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 1 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 52.19                         | 60.23                   | 74.00             | -21.81         | 31.75                        | 6.18                  | 45.97                    | 190                       | 35                         | Peak    |
| 2390.000                                            | 43.44                         | 51.48                   | 54.00             | -10.56         | 31.75                        | 6.18                  | 45.97                    | 190                       | 35                         | Average |
| 2412.000                                            | 108.57                        | 116.50                  | /                 | /              | 31.82                        | 6.21                  | 45.96                    | 190                       | 35                         | Peak    |
| 2412.000                                            | 105.03                        | 112.96                  | /                 | /              | 31.82                        | 6.21                  | 45.96                    | 190                       | 35                         | Average |
| 2483.500                                            | 51.52                         | 59.09                   | 74.00             | -22.48         | 32.05                        | 6.31                  | 45.93                    | 190                       | 35                         | Peak    |
| 2483.500                                            | 43.38                         | 50.95                   | 54.00             | -10.62         | 32.05                        | 6.31                  | 45.93                    | 190                       | 35                         | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.24                         | 58.89                   | 74.00             | -22.76         | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Peak    |
| 2390.000                                            | 44.10                         | 51.75                   | 54.00             | -9.90          | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Average |
| 2412.000                                            | 103.34                        | 110.90                  | /                 | /              | 32.19                        | 6.21                  | 45.96                    | 100                       | 280                        | Peak    |
| 2412.000                                            | 99.89                         | 107.45                  | /                 | /              | 32.19                        | 6.21                  | 45.96                    | 100                       | 280                        | Average |
| 2483.500                                            | 51.61                         | 58.87                   | 74.00             | -22.39         | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Peak    |
| 2483.500                                            | 44.24                         | 51.50                   | 54.00             | -9.76          | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Average |

**REMARKS:**

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
- 2412MHz: Fundamental frequency.



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|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 6 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 50.89                         | 58.93                   | 74.00             | -23.11         | 31.75                        | 6.18                  | 45.97                    | 190                       | 35                         | Peak    |
| 2390.000                                            | 43.50                         | 51.54                   | 54.00             | -10.50         | 31.75                        | 6.18                  | 45.97                    | 190                       | 35                         | Average |
| 2437.000                                            | 106.74                        | 114.55                  | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 190                       | 35                         | Peak    |
| 2437.000                                            | 102.28                        | 110.09                  | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 190                       | 35                         | Average |
| 2483.500                                            | 51.69                         | 59.26                   | 74.00             | -22.31         | 32.05                        | 6.31                  | 45.93                    | 190                       | 35                         | Peak    |
| 2483.500                                            | 43.82                         | 51.39                   | 54.00             | -10.18         | 32.05                        | 6.31                  | 45.93                    | 190                       | 35                         | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 50.96                         | 58.61                   | 74.00             | -23.04         | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Peak    |
| 2390.000                                            | 44.53                         | 52.18                   | 54.00             | -9.47          | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Average |
| 2437.000                                            | 103.22                        | 110.68                  | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 100                       | 280                        | Peak    |
| 2437.000                                            | 98.59                         | 106.05                  | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 100                       | 280                        | Average |
| 2483.500                                            | 51.47                         | 58.73                   | 74.00             | -22.53         | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Peak    |
| 2483.500                                            | 45.07                         | 52.33                   | 54.00             | -8.93          | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Average |

**REMARKS:**

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
- 2437MHz: Fundamental frequency.



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Test Report No.: W7L-P23030016RF02

|                        |               |                          |              |
|------------------------|---------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 11 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz  |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.06                         | 59.10                   | 74.00             | -22.94         | 31.75                        | 6.18                  | 45.97                    | 190                       | 35                         | Peak    |
| 2390.000                                            | 43.93                         | 51.97                   | 54.00             | -10.07         | 31.75                        | 6.18                  | 45.97                    | 190                       | 35                         | Average |
| 2462.000                                            | 109.21                        | 116.89                  | /                 | /              | 31.98                        | 6.28                  | 45.94                    | 190                       | 35                         | Peak    |
| 2462.000                                            | 103.93                        | 111.61                  | /                 | /              | 31.98                        | 6.28                  | 45.94                    | 190                       | 35                         | Average |
| 2483.500                                            | 52.31                         | 59.88                   | 74.00             | -21.69         | 32.05                        | 6.31                  | 45.93                    | 190                       | 35                         | Peak    |
| 2483.500                                            | 43.89                         | 51.46                   | 54.00             | -10.11         | 32.05                        | 6.31                  | 45.93                    | 190                       | 35                         | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 50.75                         | 58.40                   | 74.00             | -23.25         | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Peak    |
| 2390.000                                            | 44.22                         | 51.87                   | 54.00             | -9.78          | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Average |
| 2462.000                                            | 104.30                        | 111.65                  | /                 | /              | 32.31                        | 6.28                  | 45.94                    | 100                       | 280                        | Peak    |
| 2462.000                                            | 100.19                        | 107.54                  | /                 | /              | 32.31                        | 6.28                  | 45.94                    | 100                       | 280                        | Average |
| 2483.500                                            | 52.42                         | 59.68                   | 74.00             | -21.58         | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Peak    |
| 2483.500                                            | 44.15                         | 51.41                   | 54.00             | -9.85          | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Average |

**REMARKS:**

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
- 2462MHz: Fundamental frequency.



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Test Report No.: W7L-P23030016RF02

**802.11n (20MHz)**

|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 1 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 53.88                         | 61.92                   | 74.00             | -20.12         | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Peak    |
| 2390.000                                            | 44.89                         | 52.93                   | 54.00             | -9.11          | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Average |
| 2412.000                                            | 105.74                        | 113.67                  | /                 | /              | 31.82                        | 6.21                  | 45.96                    | 175                       | 35                         | Peak    |
| 2412.000                                            | 98.49                         | 106.42                  | /                 | /              | 31.82                        | 6.21                  | 45.96                    | 175                       | 35                         | Average |
| 2483.500                                            | 52.61                         | 60.18                   | 74.00             | -21.39         | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Peak    |
| 2483.500                                            | 43.79                         | 51.36                   | 54.00             | -10.21         | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.22                         | 58.87                   | 74.00             | -22.78         | 32.14                        | 6.18                  | 45.97                    | 100                       | 295                        | Peak    |
| 2390.000                                            | 44.21                         | 51.86                   | 54.00             | -9.79          | 32.14                        | 6.18                  | 45.97                    | 100                       | 295                        | Average |
| 2412.000                                            | 101.22                        | 108.78                  | /                 | /              | 32.19                        | 6.21                  | 45.96                    | 100                       | 295                        | Peak    |
| 2412.000                                            | 93.48                         | 101.04                  | /                 | /              | 32.19                        | 6.21                  | 45.96                    | 100                       | 295                        | Average |
| 2483.500                                            | 51.44                         | 58.70                   | 74.00             | -22.56         | 32.36                        | 6.31                  | 45.93                    | 100                       | 295                        | Peak    |
| 2483.500                                            | 43.76                         | 51.02                   | 54.00             | -10.24         | 32.36                        | 6.31                  | 45.93                    | 100                       | 295                        | Average |

**REMARKS:**

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
- 2412MHz: Fundamental frequency.



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|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 6 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 50.45                         | 58.49                   | 74.00             | -23.55         | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Peak    |
| 2390.000                                            | 44.25                         | 52.29                   | 54.00             | -9.75          | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Average |
| 2437.000                                            | 103.89                        | 111.70                  | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 175                       | 35                         | Peak    |
| 2437.000                                            | 96.47                         | 104.28                  | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 175                       | 35                         | Average |
| 2483.500                                            | 52.05                         | 59.62                   | 74.00             | -21.95         | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Peak    |
| 2483.500                                            | 44.19                         | 51.76                   | 54.00             | -9.81          | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.45                         | 59.10                   | 74.00             | -22.55         | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Peak    |
| 2390.000                                            | 44.06                         | 51.71                   | 54.00             | -9.94          | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Average |
| 2437.000                                            | 100.64                        | 108.10                  | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 100                       | 280                        | Peak    |
| 2437.000                                            | 92.48                         | 99.94                   | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 100                       | 280                        | Average |
| 2483.500                                            | 52.73                         | 59.99                   | 74.00             | -21.27         | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Peak    |
| 2483.500                                            | 43.73                         | 50.99                   | 54.00             | -10.27         | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2437MHz: Fundamental frequency.



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Test Report No.: W7L-P23030016RF02

|                        |               |                          |              |
|------------------------|---------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 11 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz  |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 50.82                         | 58.86                   | 74.00             | -23.18         | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Peak    |
| 2390.000                                            | 43.01                         | 51.05                   | 54.00             | -10.99         | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Average |
| 2462.000                                            | 104.46                        | 112.14                  | /                 | /              | 31.98                        | 6.28                  | 45.94                    | 175                       | 35                         | Peak    |
| 2462.000                                            | 97.15                         | 104.83                  | /                 | /              | 31.98                        | 6.28                  | 45.94                    | 175                       | 35                         | Average |
| 2483.500                                            | 51.67                         | 59.24                   | 74.00             | -22.33         | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Peak    |
| 2483.500                                            | 45.07                         | 52.64                   | 54.00             | -8.93          | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 52.06                         | 59.71                   | 74.00             | -21.94         | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Peak    |
| 2390.000                                            | 43.61                         | 51.26                   | 54.00             | -10.39         | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Average |
| 2462.000                                            | 100.39                        | 107.74                  | /                 | /              | 32.31                        | 6.28                  | 45.94                    | 100                       | 280                        | Peak    |
| 2462.000                                            | 93.56                         | 100.91                  | /                 | /              | 32.31                        | 6.28                  | 45.94                    | 100                       | 280                        | Average |
| 2483.500                                            | 52.05                         | 59.31                   | 74.00             | -21.95         | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Peak    |
| 2483.500                                            | 45.20                         | 52.46                   | 54.00             | -8.80          | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Average |

**REMARKS:**

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
- 2462MHz: Fundamental frequency.



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**Test Report No.: W7L-P23030016RF02**

**802.11n (40MHz)**

|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 3 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 56.57                         | 64.61                   | 74.00             | -17.43         | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Peak    |
| 2390.000                                            | 47.41                         | 55.45                   | 54.00             | -6.59          | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Average |
| 2422.000                                            | 103.70                        | 111.59                  | /                 | /              | 31.85                        | 6.22                  | 45.96                    | 175                       | 35                         | Peak    |
| 2422.000                                            | 95.77                         | 103.66                  | /                 | /              | 31.85                        | 6.22                  | 45.96                    | 175                       | 35                         | Average |
| 2483.500                                            | 51.59                         | 59.16                   | 74.00             | -22.41         | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Peak    |
| 2483.500                                            | 43.14                         | 50.71                   | 54.00             | -10.86         | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 50.90                         | 58.55                   | 74.00             | -23.10         | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Peak    |
| 2390.000                                            | 44.48                         | 52.13                   | 54.00             | -9.52          | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Average |
| 2422.000                                            | 98.43                         | 105.96                  | /                 | /              | 32.21                        | 6.22                  | 45.96                    | 100                       | 280                        | Peak    |
| 2422.000                                            | 91.23                         | 98.76                   | /                 | /              | 32.21                        | 6.22                  | 45.96                    | 100                       | 280                        | Average |
| 2483.500                                            | 52.43                         | 59.69                   | 74.00             | -21.57         | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Peak    |
| 2483.500                                            | 44.44                         | 51.70                   | 54.00             | -9.56          | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2422MHz: Fundamental frequency.

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|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 6 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.18                         | 59.22                   | 74.00             | -22.82         | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Peak    |
| 2390.000                                            | 42.80                         | 50.84                   | 54.00             | -11.20         | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Average |
| 2437.000                                            | 101.55                        | 109.36                  | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 175                       | 35                         | Peak    |
| 2437.000                                            | 94.74                         | 102.55                  | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 175                       | 35                         | Average |
| 2483.500                                            | 52.34                         | 59.91                   | 74.00             | -21.66         | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Peak    |
| 2483.500                                            | 45.41                         | 52.98                   | 54.00             | -8.59          | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 52.60                         | 60.25                   | 74.00             | -21.40         | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Peak    |
| 2390.000                                            | 44.67                         | 52.32                   | 54.00             | -9.33          | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Average |
| 2437.000                                            | 99.10                         | 106.56                  | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 100                       | 280                        | Peak    |
| 2437.000                                            | 91.71                         | 99.17                   | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 100                       | 280                        | Average |
| 2483.500                                            | 51.38                         | 58.64                   | 74.00             | -22.62         | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Peak    |
| 2483.500                                            | 44.48                         | 51.74                   | 54.00             | -9.52          | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2437MHz: Fundamental frequency.



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**Test Report No.: W7L-P23030016RF02**

|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 9 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 50.71                         | 58.75                   | 74.00             | -23.29         | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Peak    |
| 2390.000                                            | 43.82                         | 51.86                   | 54.00             | -10.18         | 31.75                        | 6.18                  | 45.97                    | 175                       | 35                         | Average |
| 2452.000                                            | 102.06                        | 109.80                  | /                 | /              | 31.95                        | 6.26                  | 45.95                    | 175                       | 35                         | Peak    |
| 2452.000                                            | 95.03                         | 102.77                  | /                 | /              | 31.95                        | 6.26                  | 45.95                    | 175                       | 35                         | Average |
| 2483.500                                            | 54.61                         | 62.18                   | 74.00             | -19.39         | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Peak    |
| 2483.500                                            | 47.13                         | 54.70                   | 54.00             | -6.87          | 32.05                        | 6.31                  | 45.93                    | 175                       | 35                         | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.68                         | 59.33                   | 74.00             | -22.32         | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Peak    |
| 2390.000                                            | 44.18                         | 51.83                   | 54.00             | -9.82          | 32.14                        | 6.18                  | 45.97                    | 100                       | 280                        | Average |
| 2452.000                                            | 97.40                         | 104.81                  | /                 | /              | 32.28                        | 6.26                  | 45.95                    | 100                       | 280                        | Peak    |
| 2452.000                                            | 90.97                         | 98.38                   | /                 | /              | 32.28                        | 6.26                  | 45.95                    | 100                       | 280                        | Average |
| 2483.500                                            | 52.67                         | 59.93                   | 74.00             | -21.33         | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Peak    |
| 2483.500                                            | 44.96                         | 52.22                   | 54.00             | -9.04          | 32.36                        | 6.31                  | 45.93                    | 100                       | 280                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2452MHz: Fundamental frequency.



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Test Report No.: W7L-P23030016RF02

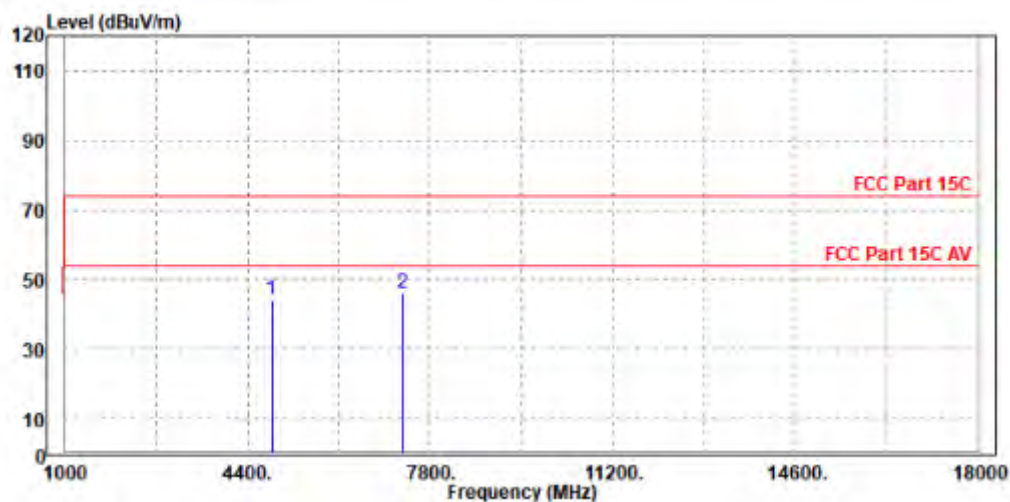
Worst case harmonic:

802.11n (40MHz)

|                 |              |                   |              |
|-----------------|--------------|-------------------|--------------|
| CHANNEL         | TX Channel 3 | DETECTOR FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 25GHz |                   | Average (AV) |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

|      | Freq     | Level  | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase  |
|------|----------|--------|------------|------------|------------|--------|--------|------------|
|      | MHz      | dBuV/m | dBuV       | dBuV/m     | dB         | dB/m   |        |            |
| 1    | 4844.000 | 44.07  | 45.45      | 74.00      | -29.93     | -1.38  | Peak   | Horizontal |
| 2 PP | 7273.000 | 46.07  | 44.26      | 74.00      | -27.93     | 1.81   | Peak   | Horizontal |



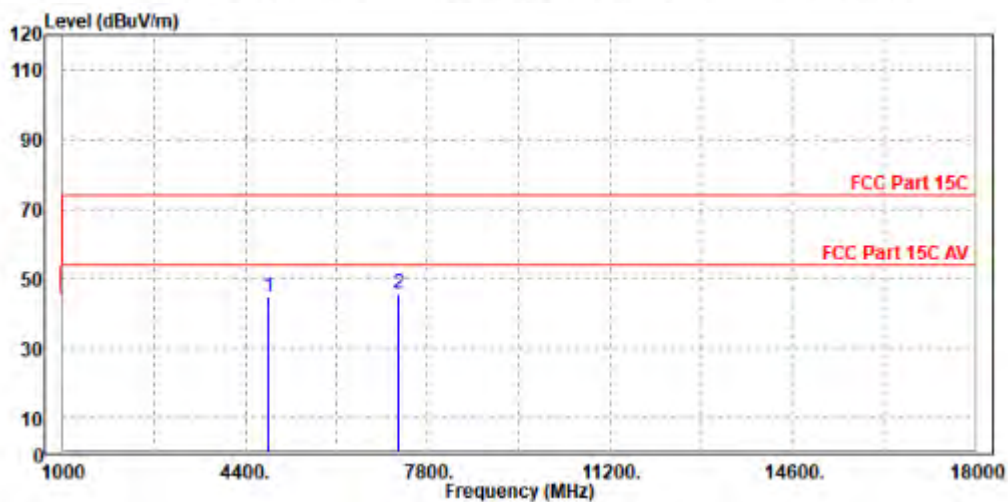


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Test Report No.: W7L-P23030016RF02

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

|      | Freq     | Level  | Read<br>Level | Limit<br>Line | Over<br>Limit | Factor | Remark | Pol/Phase |
|------|----------|--------|---------------|---------------|---------------|--------|--------|-----------|
|      | MHz      | dBuV/m | dBuV          | dBuV/m        | dB            | dB/m   |        |           |
| 1    | 4842.000 | 44.66  | 45.84         | 74.00         | -29.34        | -1.18  | Peak   | Vertical  |
| 2 PP | 7266.000 | 45.65  | 43.76         | 74.00         | -28.35        | 1.89   | Peak   | Vertical  |



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2422MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



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Test Report No.: W7L-P23030016RF02

## 2.4G WIFI-RU

802.11ax (20MHz) (RU242):

|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 1 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.04                         | 59.08                   | 74.00             | -22.96         | 31.75                        | 6.18                  | 45.97                    | 100                       | 235                        | Peak    |
| 2390.000                                            | 43.73                         | 51.77                   | 54.00             | -10.27         | 31.75                        | 6.18                  | 45.97                    | 100                       | 235                        | Average |
| 2412.000                                            | 97.87                         | 105.80                  | /                 | /              | 31.82                        | 6.21                  | 45.96                    | 100                       | 235                        | Peak    |
| 2412.000                                            | 87.53                         | 95.46                   | /                 | /              | 31.82                        | 6.21                  | 45.96                    | 100                       | 235                        | Average |
| 2483.500                                            | 51.48                         | 59.05                   | 74.00             | -22.52         | 32.05                        | 6.31                  | 45.93                    | 100                       | 235                        | Peak    |
| 2483.500                                            | 43.76                         | 51.33                   | 54.00             | -10.24         | 32.05                        | 6.31                  | 45.93                    | 100                       | 235                        | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 52.42                         | 60.07                   | 74.00             | -21.58         | 32.14                        | 6.18                  | 45.97                    | 125                       | 305                        | Peak    |
| 2390.000                                            | 43.90                         | 51.55                   | 54.00             | -10.10         | 32.14                        | 6.18                  | 45.97                    | 125                       | 305                        | Average |
| 2412.000                                            | 102.01                        | 109.57                  | /                 | /              | 32.19                        | 6.21                  | 45.96                    | 125                       | 305                        | Peak    |
| 2412.000                                            | 91.59                         | 99.15                   | /                 | /              | 32.19                        | 6.21                  | 45.96                    | 125                       | 305                        | Average |
| 2483.500                                            | 51.60                         | 58.86                   | 74.00             | -22.40         | 32.36                        | 6.31                  | 45.93                    | 125                       | 305                        | Peak    |
| 2483.500                                            | 44.39                         | 51.65                   | 54.00             | -9.61          | 32.36                        | 6.31                  | 45.93                    | 125                       | 305                        | Average |

### REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
- 2412MHz: Fundamental frequency.



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Test Report No.: W7L-P23030016RF02

|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 6 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 52.00                         | 60.04                   | 74.00             | -22.00         | 31.75                        | 6.18                  | 45.97                    | 100                       | 210                        | Peak    |
| 2390.000                                            | 43.48                         | 51.52                   | 54.00             | -10.52         | 31.75                        | 6.18                  | 45.97                    | 100                       | 210                        | Average |
| 2437.000                                            | 97.41                         | 105.22                  | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 100                       | 210                        | Peak    |
| 2437.000                                            | 86.53                         | 94.34                   | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 100                       | 210                        | Average |
| 2483.500                                            | 52.04                         | 59.61                   | 74.00             | -21.96         | 32.05                        | 6.31                  | 45.93                    | 100                       | 210                        | Peak    |
| 2483.500                                            | 43.70                         | 51.27                   | 54.00             | -10.30         | 32.05                        | 6.31                  | 45.93                    | 100                       | 210                        | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.02                         | 58.67                   | 74.00             | -22.98         | 32.14                        | 6.18                  | 45.97                    | 100                       | 305                        | Peak    |
| 2390.000                                            | 44.21                         | 51.86                   | 54.00             | -9.79          | 32.14                        | 6.18                  | 45.97                    | 100                       | 305                        | Average |
| 2437.000                                            | 99.64                         | 107.10                  | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 100                       | 305                        | Peak    |
| 2437.000                                            | 89.55                         | 97.01                   | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 100                       | 305                        | Average |
| 2483.500                                            | 52.17                         | 59.43                   | 74.00             | -21.83         | 32.36                        | 6.31                  | 45.93                    | 100                       | 305                        | Peak    |
| 2483.500                                            | 44.67                         | 51.93                   | 54.00             | -9.33          | 32.36                        | 6.31                  | 45.93                    | 100                       | 305                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2437MHz: Fundamental frequency.



**BUREAU  
VERITAS**

Test Report No.: W7L-P23030016RF02

|                        |               |                          |              |
|------------------------|---------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 11 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz  |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.12                         | 59.16                   | 74.00             | -22.88         | 31.75                        | 6.18                  | 45.97                    | 100                       | 210                        | Peak    |
| 2390.000                                            | 44.00                         | 52.04                   | 54.00             | -10.00         | 31.75                        | 6.18                  | 45.97                    | 100                       | 210                        | Average |
| 2462.000                                            | 96.35                         | 104.03                  | /                 | /              | 31.98                        | 6.28                  | 45.94                    | 100                       | 210                        | Peak    |
| 2462.000                                            | 86.41                         | 94.09                   | /                 | /              | 31.98                        | 6.28                  | 45.94                    | 100                       | 210                        | Average |
| 2483.500                                            | 51.86                         | 59.43                   | 74.00             | -22.14         | 32.05                        | 6.31                  | 45.93                    | 100                       | 210                        | Peak    |
| 2483.500                                            | 43.98                         | 51.55                   | 54.00             | -10.02         | 32.05                        | 6.31                  | 45.93                    | 100                       | 210                        | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.39                         | 59.04                   | 74.00             | -22.61         | 32.14                        | 6.18                  | 45.97                    | 128                       | 305                        | Peak    |
| 2390.000                                            | 44.08                         | 51.73                   | 54.00             | -9.92          | 32.14                        | 6.18                  | 45.97                    | 128                       | 305                        | Average |
| 2462.000                                            | 100.34                        | 107.69                  | /                 | /              | 32.31                        | 6.28                  | 45.94                    | 128                       | 305                        | Peak    |
| 2462.000                                            | 89.87                         | 97.22                   | /                 | /              | 32.31                        | 6.28                  | 45.94                    | 128                       | 305                        | Average |
| 2483.500                                            | 52.39                         | 59.65                   | 74.00             | -21.61         | 32.36                        | 6.31                  | 45.93                    | 128                       | 305                        | Peak    |
| 2483.500                                            | 44.30                         | 51.56                   | 54.00             | -9.70          | 32.36                        | 6.31                  | 45.93                    | 128                       | 305                        | Average |

**REMARKS:**

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
- 2462MHz: Fundamental frequency.



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Test Report No.: W7L-P23030016RF02

**802.11ax (40MHz) (RU484):**

|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 3 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.07                         | 59.11                   | 74.00             | -22.93         | 31.75                        | 6.18                  | 45.97                    | 100                       | 210                        | Peak    |
| 2390.000                                            | 43.72                         | 51.76                   | 54.00             | -10.28         | 31.75                        | 6.18                  | 45.97                    | 100                       | 210                        | Average |
| 2422.000                                            | 93.47                         | 101.36                  | /                 | /              | 31.85                        | 6.22                  | 45.96                    | 100                       | 210                        | Peak    |
| 2422.000                                            | 83.38                         | 91.27                   | /                 | /              | 31.85                        | 6.22                  | 45.96                    | 100                       | 210                        | Average |
| 2483.500                                            | 50.97                         | 58.54                   | 74.00             | -23.03         | 32.05                        | 6.31                  | 45.93                    | 100                       | 210                        | Peak    |
| 2483.500                                            | 43.84                         | 51.41                   | 54.00             | -10.16         | 32.05                        | 6.31                  | 45.93                    | 100                       | 210                        | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 50.86                         | 58.51                   | 74.00             | -23.14         | 32.14                        | 6.18                  | 45.97                    | 125                       | 305                        | Peak    |
| 2390.000                                            | 45.00                         | 52.65                   | 54.00             | -9.00          | 32.14                        | 6.18                  | 45.97                    | 125                       | 305                        | Average |
| 2422.000                                            | 98.26                         | 105.79                  | /                 | /              | 32.21                        | 6.22                  | 45.96                    | 125                       | 305                        | Peak    |
| 2422.000                                            | 88.72                         | 96.25                   | /                 | /              | 32.21                        | 6.22                  | 45.96                    | 125                       | 305                        | Average |
| 2483.500                                            | 52.34                         | 59.60                   | 74.00             | -21.66         | 32.36                        | 6.31                  | 45.93                    | 125                       | 305                        | Peak    |
| 2483.500                                            | 44.71                         | 51.97                   | 54.00             | -9.29          | 32.36                        | 6.31                  | 45.93                    | 125                       | 305                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2422MHz: Fundamental frequency.



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**Test Report No.: W7L-P23030016RF02**

**802.11ax (40MHz) (RU484):**

|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 6 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 52.16                         | 60.20                   | 74.00             | -21.84         | 31.75                        | 6.18                  | 45.97                    | 100                       | 210                        | Peak    |
| 2390.000                                            | 43.69                         | 51.73                   | 54.00             | -10.31         | 31.75                        | 6.18                  | 45.97                    | 100                       | 210                        | Average |
| 2437.000                                            | 93.32                         | 101.13                  | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 100                       | 210                        | Peak    |
| 2437.000                                            | 83.57                         | 91.38                   | /                 | /              | 31.90                        | 6.24                  | 45.95                    | 100                       | 210                        | Average |
| 2483.500                                            | 51.26                         | 58.83                   | 74.00             | -22.74         | 32.05                        | 6.31                  | 45.93                    | 100                       | 210                        | Peak    |
| 2483.500                                            | 44.48                         | 52.05                   | 54.00             | -9.52          | 32.05                        | 6.31                  | 45.93                    | 100                       | 210                        | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.18                         | 58.83                   | 74.00             | -22.82         | 32.14                        | 6.18                  | 45.97                    | 105                       | 305                        | Peak    |
| 2390.000                                            | 43.80                         | 51.45                   | 54.00             | -10.20         | 32.14                        | 6.18                  | 45.97                    | 105                       | 305                        | Average |
| 2437.000                                            | 97.02                         | 104.48                  | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 105                       | 305                        | Peak    |
| 2437.000                                            | 87.73                         | 95.19                   | /                 | /              | 32.25                        | 6.24                  | 45.95                    | 105                       | 305                        | Average |
| 2483.500                                            | 51.54                         | 58.80                   | 74.00             | -22.46         | 32.36                        | 6.31                  | 45.93                    | 105                       | 305                        | Peak    |
| 2483.500                                            | 44.60                         | 51.86                   | 54.00             | -9.40          | 32.36                        | 6.31                  | 45.93                    | 105                       | 305                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2437MHz: Fundamental frequency.



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**Test Report No.: W7L-P23030016RF02**

**802.11ax (40MHz) (RU484):**

|                        |              |                          |              |
|------------------------|--------------|--------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 9 | <b>DETECTOR FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                          | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 50.82                         | 58.86                   | 74.00             | -23.18         | 31.75                        | 6.18                  | 45.97                    | 100                       | 210                        | Peak    |
| 2390.000                                            | 43.80                         | 51.84                   | 54.00             | -10.20         | 31.75                        | 6.18                  | 45.97                    | 100                       | 210                        | Average |
| 2452.000                                            | 94.49                         | 102.23                  | /                 | /              | 31.95                        | 6.26                  | 45.95                    | 100                       | 210                        | Peak    |
| 2452.000                                            | 84.10                         | 91.84                   | /                 | /              | 31.95                        | 6.26                  | 45.95                    | 100                       | 210                        | Average |
| 2483.500                                            | 51.44                         | 59.01                   | 74.00             | -22.56         | 32.05                        | 6.31                  | 45.93                    | 100                       | 210                        | Peak    |
| 2483.500                                            | 44.10                         | 51.67                   | 54.00             | -9.90          | 32.05                        | 6.31                  | 45.93                    | 100                       | 210                        | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.37                         | 59.02                   | 74.00             | -22.63         | 32.14                        | 6.18                  | 45.97                    | 100                       | 305                        | Peak    |
| 2390.000                                            | 44.37                         | 52.02                   | 54.00             | -9.63          | 32.14                        | 6.18                  | 45.97                    | 100                       | 305                        | Average |
| 2452.000                                            | 96.76                         | 104.17                  | /                 | /              | 32.28                        | 6.26                  | 45.95                    | 100                       | 305                        | Peak    |
| 2452.000                                            | 87.13                         | 94.54                   | /                 | /              | 32.28                        | 6.26                  | 45.95                    | 100                       | 305                        | Average |
| 2483.500                                            | 52.52                         | 59.78                   | 74.00             | -21.48         | 32.36                        | 6.31                  | 45.93                    | 100                       | 305                        | Peak    |
| 2483.500                                            | 44.82                         | 52.08                   | 54.00             | -9.18          | 32.36                        | 6.31                  | 45.93                    | 100                       | 305                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2452MHz: Fundamental frequency.



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Test Report No.: W7L-P23030016RF02

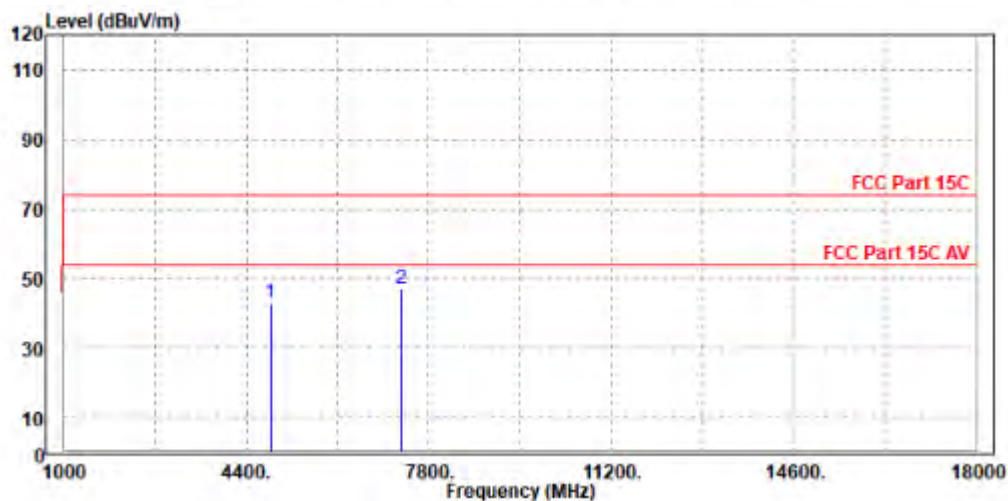
Worst case harmonic:

802.11ax (40MHz) (RU484):

|                 |              |                   |              |
|-----------------|--------------|-------------------|--------------|
| CHANNEL         | TX Channel 3 | DETECTOR FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 25GHz |                   | Average (AV) |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

|      | Freq     | Level  | Read  | Limit  | Over   |        |        |            |
|------|----------|--------|-------|--------|--------|--------|--------|------------|
|      | MHz      | dBuV/m | Level | Line   | Limit  | Factor | Remark | Pol/Phase  |
|      |          |        | dBuV  | dBuV/m | dB     | dB/m   |        |            |
| 1    | 4844.000 | 43.04  | 44.42 | 74.00  | -30.96 | -1.38  | Peak   | Horizontal |
| 2 PP | 7273.000 | 46.98  | 45.17 | 74.00  | -27.02 | 1.81   | Peak   | Horizontal |



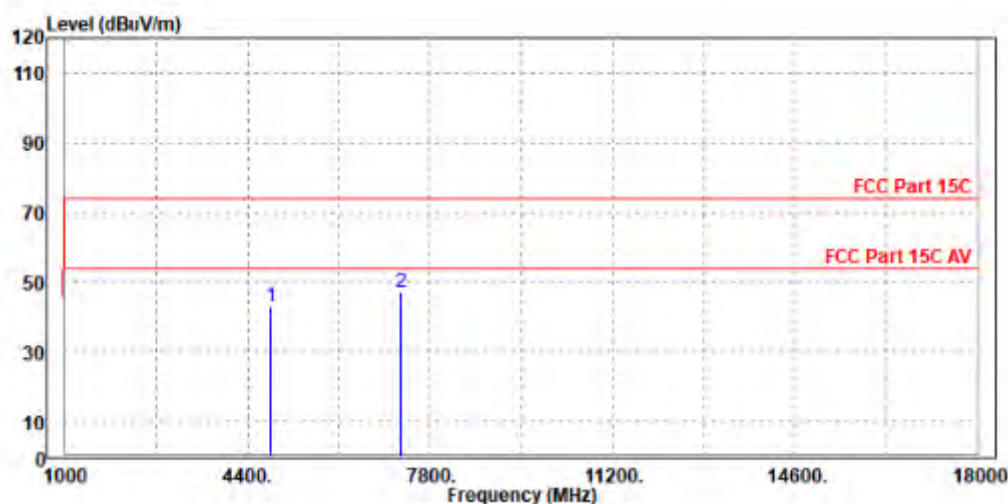


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Test Report No.: W7L-P23030016RF02

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

|      | Freq     | Level  | Read<br>Level | Limit<br>Line | Over<br>Limit | Factor | Remark | Pol/Phase |
|------|----------|--------|---------------|---------------|---------------|--------|--------|-----------|
|      | MHz      | dBuV/m | dBuV          | dBuV/m        | dB            | dB/m   |        |           |
| 1    | 4842.000 | 42.68  | 43.86         | 74.00         | -31.32        | -1.18  | Peak   | Vertical  |
| 2 PP | 7266.000 | 47.12  | 45.23         | 74.00         | -26.88        | 1.89   | Peak   | Vertical  |



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2422MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



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Test Report No.: W7L-P23030016RF02

# **BELOW 1GHz WORST-CASE DATA:**

**30 MHz – 1GHz data:**

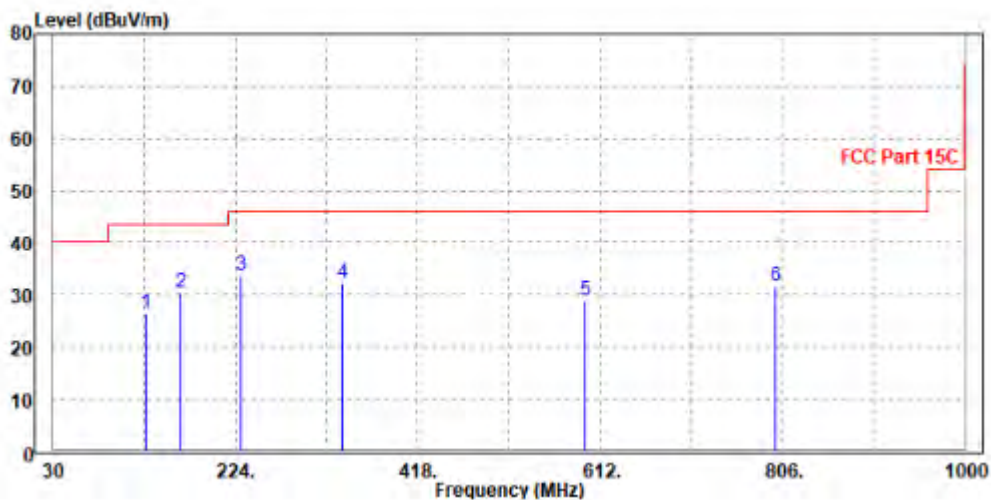
**BT-LE \_S8**

|                        |               |                              |                 |
|------------------------|---------------|------------------------------|-----------------|
| <b>CHANNEL</b>         | TX Channel 39 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz  |                              |                 |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |        |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|--------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK |
| 127.970                                             | 26.42                         | 53.74                   | 43.50             | -17.08         | 8.76                         | 0.60                  | 36.68                    | 100                       | 360                        | QP     |
| 165.800                                             | 30.44                         | 55.18                   | 43.50             | -13.06         | 11.05                        | 0.68                  | 36.47                    | 100                       | 360                        | QP     |
| 229.820                                             | 33.67                         | 56.55                   | 46.00             | -12.33         | 12.61                        | 0.79                  | 36.28                    | 100                       | 360                        | QP     |
| 338.460                                             | 32.12                         | 52.62                   | 46.00             | -13.88         | 14.85                        | 0.97                  | 36.32                    | 100                       | 360                        | QP     |
| 596.480                                             | 28.81                         | 44.65                   | 46.00             | -17.19         | 19.64                        | 1.36                  | 36.84                    | 100                       | 360                        | QP     |
| 799.210                                             | 31.55                         | 44.78                   | 46.00             | -14.45         | 22.39                        | 1.58                  | 37.20                    | 100                       | 360                        | QP     |

## **REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value





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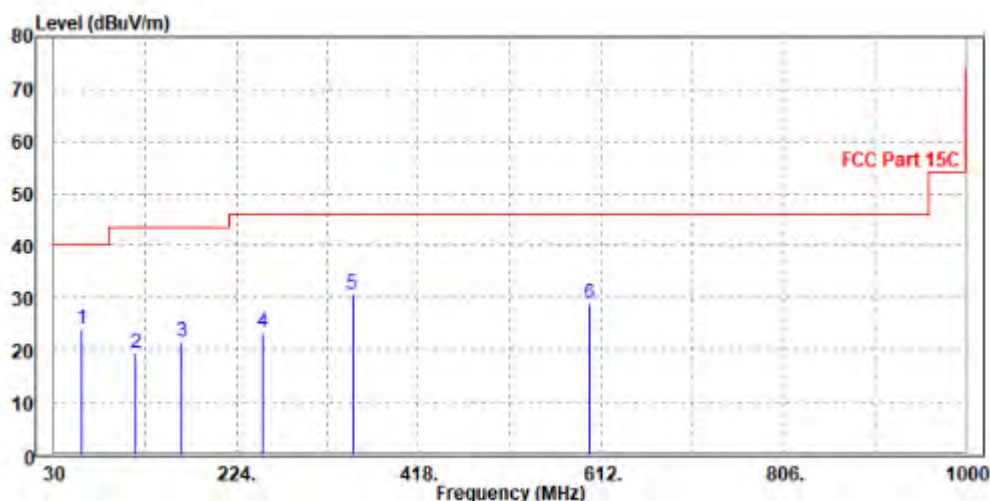
**Test Report No.: W7L-P23030016RF02**

|                        |               |                              |                 |
|------------------------|---------------|------------------------------|-----------------|
| <b>CHANNEL</b>         | TX Channel 39 | <b>DETECTOR<br/>FUNCTION</b> | Quasi-Peak (QP) |
| <b>FREQUENCY RANGE</b> | 30MHz ~ 1GHz  |                              |                 |

| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |        |
|---------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|--------|
| FREQ.<br>(MHz)                                    | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK |
| 59.100                                            | 23.89                         | 51.70                   | 40.00             | -16.11         | 8.70                         | 0.44                  | 36.95                    | 100                       | 0                          | QP     |
| 116.330                                           | 19.58                         | 47.14                   | 43.50             | -23.92         | 8.61                         | 0.57                  | 36.74                    | 100                       | 0                          | QP     |
| 165.800                                           | 21.72                         | 46.52                   | 43.50             | -21.78         | 10.99                        | 0.68                  | 36.47                    | 100                       | 0                          | QP     |
| 251.160                                           | 23.53                         | 46.33                   | 46.00             | -22.47         | 12.63                        | 0.84                  | 36.27                    | 100                       | 0                          | QP     |
| 347.190                                           | 30.86                         | 51.12                   | 46.00             | -15.14         | 15.09                        | 0.99                  | 36.34                    | 100                       | 0                          | QP     |
| 599.390                                           | 28.75                         | 44.65                   | 46.00             | -17.25         | 19.59                        | 1.36                  | 36.85                    | 100                       | 0                          | QP     |

**REMARKS:**

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value





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**Test Report No.: W7L-P23030016RF02**

## ABOVE 1GHz TEST DATA

**Note:** 1. For radiated emissions testing , the full testing range of different modes have been scanned , only the worst case harmonic data is reported in the sheet.

2. All other emissions were greater than 20dB below the limit was not recorded

### BT-LE \_1M

| CHANNEL         | TX Channel 0 | DETECTOR<br>FUNCTION | Peak (PK)<br>Average (AV) |
|-----------------|--------------|----------------------|---------------------------|
| FREQUENCY RANGE | 1GHz ~ 25GHz |                      |                           |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.29                         | 59.33                   | 74.00             | -22.71         | 31.75                        | 6.18                  | 45.97                    | 100                       | 190                        | Peak    |
| 2390.000                                            | 43.80                         | 51.84                   | 54.00             | -10.20         | 31.75                        | 6.18                  | 45.97                    | 100                       | 190                        | Average |
| 2402.000                                            | 96.98                         | 104.97                  | /                 | /              | 31.79                        | 6.19                  | 45.97                    | 100                       | 190                        | Peak    |
| 2402.000                                            | 96.70                         | 104.69                  | /                 | /              | 31.79                        | 6.19                  | 45.97                    | 100                       | 190                        | Average |
| 2483.500                                            | 51.46                         | 59.03                   | 74.00             | -22.54         | 32.05                        | 6.31                  | 45.93                    | 100                       | 190                        | Peak    |
| 2483.500                                            | 43.53                         | 51.10                   | 54.00             | -10.47         | 32.05                        | 6.31                  | 45.93                    | 100                       | 190                        | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 50.87                         | 58.52                   | 74.00             | -23.13         | 32.14                        | 6.18                  | 45.97                    | 135                       | 310                        | Peak    |
| 2390.000                                            | 44.46                         | 52.11                   | 54.00             | -9.54          | 32.14                        | 6.18                  | 45.97                    | 135                       | 310                        | Average |
| 2402.000                                            | 100.79                        | 108.41                  | /                 | /              | 32.16                        | 6.19                  | 45.97                    | 135                       | 310                        | Peak    |
| 2402.000                                            | 100.51                        | 108.13                  | /                 | /              | 32.16                        | 6.19                  | 45.97                    | 135                       | 310                        | Average |
| 2483.500                                            | 51.48                         | 58.74                   | 74.00             | -22.52         | 32.36                        | 6.31                  | 45.93                    | 135                       | 310                        | Peak    |
| 2483.500                                            | 44.13                         | 51.39                   | 54.00             | -9.87          | 32.36                        | 6.31                  | 45.93                    | 135                       | 310                        | Average |

### REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
- 2402MHz: Fundamental frequency.



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**Test Report No.: W7L-P23030016RF02**

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 19 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.13                         | 59.17                   | 74.00             | -22.87         | 31.75                        | 6.18                  | 45.97                    | 100                       | 190                        | Peak    |
| 2390.000                                            | 44.09                         | 52.13                   | 54.00             | -9.91          | 31.75                        | 6.18                  | 45.97                    | 100                       | 190                        | Average |
| 2440.000                                            | 98.90                         | 106.69                  | /                 | /              | 31.91                        | 6.25                  | 45.95                    | 100                       | 190                        | Peak    |
| 2440.000                                            | 98.36                         | 106.15                  | /                 | /              | 31.91                        | 6.25                  | 45.95                    | 100                       | 190                        | Average |
| 2483.500                                            | 52.99                         | 60.56                   | 74.00             | -21.01         | 32.05                        | 6.31                  | 45.93                    | 100                       | 190                        | Peak    |
| 2483.500                                            | 43.67                         | 51.24                   | 54.00             | -10.33         | 32.05                        | 6.31                  | 45.93                    | 100                       | 190                        | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.48                         | 59.13                   | 74.00             | -22.52         | 32.14                        | 6.18                  | 45.97                    | 135                       | 310                        | Peak    |
| 2390.000                                            | 44.19                         | 51.84                   | 54.00             | -9.81          | 32.14                        | 6.18                  | 45.97                    | 135                       | 310                        | Average |
| 2440.000                                            | 101.43                        | 108.87                  | /                 | /              | 32.26                        | 6.25                  | 45.95                    | 135                       | 310                        | Peak    |
| 2440.000                                            | 101.14                        | 108.58                  | /                 | /              | 32.26                        | 6.25                  | 45.95                    | 135                       | 310                        | Average |
| 2483.500                                            | 53.04                         | 60.30                   | 74.00             | -20.96         | 32.36                        | 6.31                  | 45.93                    | 135                       | 310                        | Peak    |
| 2483.500                                            | 43.96                         | 51.22                   | 54.00             | -10.04         | 32.36                        | 6.31                  | 45.93                    | 135                       | 310                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2440MHz: Fundamental frequency.



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**Test Report No.: W7L-P23030016RF02**

|                        |               |                              |              |
|------------------------|---------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 39 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz  |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.53                         | 59.57                   | 74.00             | -22.47         | 31.75                        | 6.18                  | 45.97                    | 100                       | 0                          | Peak    |
| 2390.000                                            | 44.05                         | 52.09                   | 54.00             | -9.95          | 31.75                        | 6.18                  | 45.97                    | 100                       | 0                          | Average |
| 2480.000                                            | 97.34                         | 104.93                  | /                 | /              | 32.04                        | 6.30                  | 45.93                    | 100                       | 0                          | Peak    |
| 2480.000                                            | 96.97                         | 104.56                  | /                 | /              | 32.04                        | 6.30                  | 45.93                    | 100                       | 0                          | Average |
| 2483.500                                            | 51.63                         | 59.20                   | 74.00             | -22.37         | 32.05                        | 6.31                  | 45.93                    | 100                       | 0                          | Peak    |
| 2483.500                                            | 43.90                         | 51.47                   | 54.00             | -10.10         | 32.05                        | 6.31                  | 45.93                    | 100                       | 0                          | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.80                         | 59.45                   | 74.00             | -22.20         | 32.14                        | 6.18                  | 45.97                    | 130                       | 290                        | Peak    |
| 2390.000                                            | 44.08                         | 51.73                   | 54.00             | -9.92          | 32.14                        | 6.18                  | 45.97                    | 130                       | 290                        | Average |
| 2480.000                                            | 100.02                        | 107.30                  | /                 | /              | 32.35                        | 6.30                  | 45.93                    | 130                       | 290                        | Peak    |
| 2480.000                                            | 99.65                         | 106.93                  | /                 | /              | 32.35                        | 6.30                  | 45.93                    | 130                       | 290                        | Average |
| 2483.500                                            | 52.06                         | 59.32                   | 74.00             | -21.94         | 32.36                        | 6.31                  | 45.93                    | 130                       | 290                        | Peak    |
| 2483.500                                            | 44.70                         | 51.96                   | 54.00             | -9.30          | 32.36                        | 6.31                  | 45.93                    | 130                       | 290                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2480MHz: Fundamental frequency.



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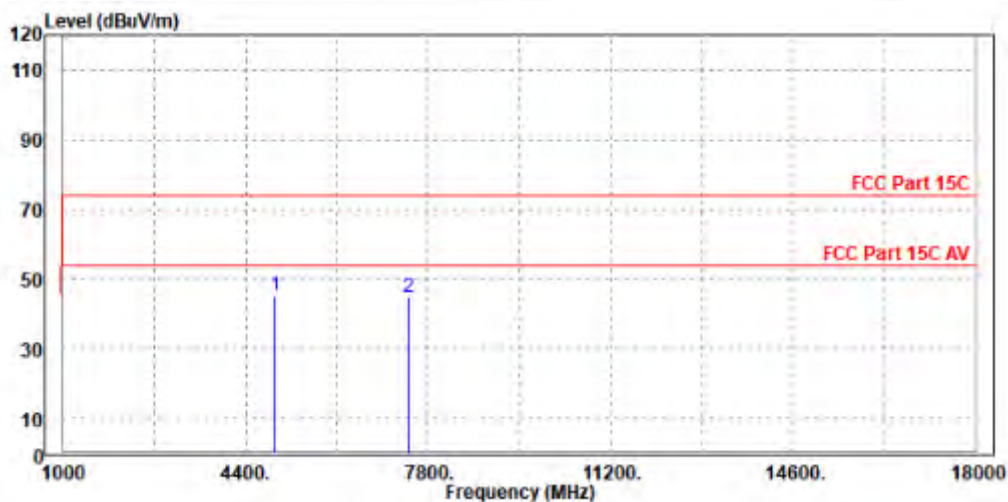
Test Report No.: W7L-P23030016RF02

Worst case harmonic:

|                 |               |                   |              |
|-----------------|---------------|-------------------|--------------|
| CHANNEL         | TX Channel 39 | DETECTOR FUNCTION | Peak (PK)    |
| FREQUENCY RANGE | 1GHz ~ 25GHz  |                   | Average (AV) |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

|   |    | Freq     | Level  | Read Level | Limit Line | Over Limit | Factor | Remark | Pol/Phase  |
|---|----|----------|--------|------------|------------|------------|--------|--------|------------|
|   |    | MHz      | dBuV/m | dBuV       | dBuV/m     | dB         | dB/m   |        |            |
| 1 | PP | 4960.000 | 45.14  | 46.33      | 74.00      | -28.86     | -1.19  | Peak   | Horizontal |
| 2 |    | 7443.000 | 44.66  | 42.68      | 74.00      | -29.34     | 1.98   | Peak   | Horizontal |



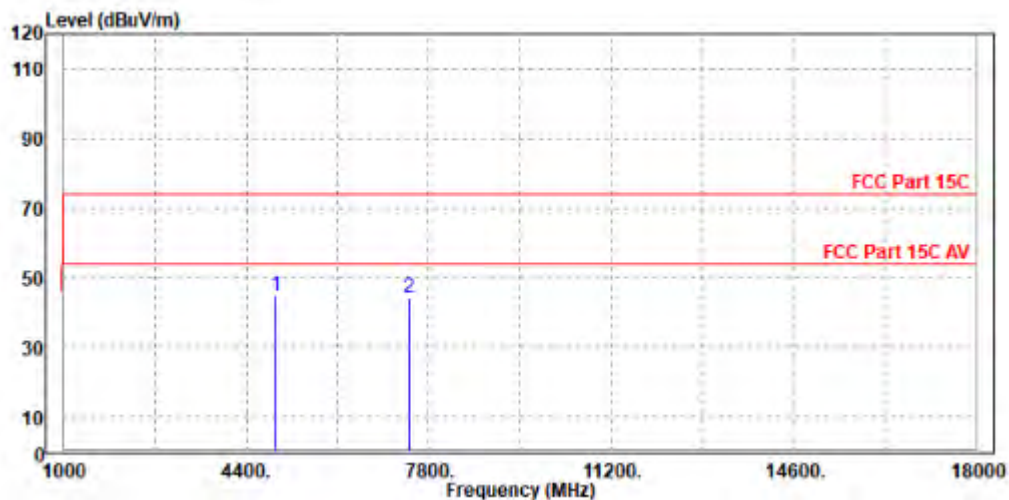


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ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

|   | Freq        | Level  | Read<br>Level | Limit<br>Line | Over<br>Limit | Factor | Remark | Pol/Phase |
|---|-------------|--------|---------------|---------------|---------------|--------|--------|-----------|
|   | MHz         | dBuV/m | dBuV          | dBuV/m        | dB            | dB/m   |        |           |
| 1 | PP 4961.000 | 44.77  | 45.76         | 74.00         | -29.23        | -0.99  | Peak   | Vertical  |
| 2 | 7440.000    | 44.31  | 42.30         | 74.00         | -29.69        | 2.01   | Peak   | Vertical  |



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2480MHz: Fundamental frequency.
3. For frequency above 18GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.



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Test Report No.: W7L-P23030016RF02

BT-LE\_2M

|                        |              |                              |              |
|------------------------|--------------|------------------------------|--------------|
| <b>CHANNEL</b>         | TX Channel 0 | <b>DETECTOR<br/>FUNCTION</b> | Peak (PK)    |
| <b>FREQUENCY RANGE</b> | 1GHz ~ 25GHz |                              | Average (AV) |

| ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
|-----------------------------------------------------|-------------------------------|-------------------------|-------------------|----------------|------------------------------|-----------------------|--------------------------|---------------------------|----------------------------|---------|
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 51.53                         | 59.57                   | 74.00             | -22.47         | 31.75                        | 6.18                  | 45.97                    | 100                       | 190                        | Peak    |
| 2390.000                                            | 44.24                         | 52.28                   | 54.00             | -9.76          | 31.75                        | 6.18                  | 45.97                    | 100                       | 190                        | Average |
| 2402.000                                            | 97.12                         | 105.11                  | /                 | /              | 31.79                        | 6.19                  | 45.97                    | 100                       | 190                        | Peak    |
| 2402.000                                            | 95.20                         | 103.19                  | /                 | /              | 31.79                        | 6.19                  | 45.97                    | 100                       | 190                        | Average |
| 2483.500                                            | 51.74                         | 59.31                   | 74.00             | -22.26         | 32.05                        | 6.31                  | 45.93                    | 100                       | 190                        | Peak    |
| 2483.500                                            | 44.35                         | 51.92                   | 54.00             | -9.65          | 32.05                        | 6.31                  | 45.93                    | 100                       | 190                        | Average |
| ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M   |                               |                         |                   |                |                              |                       |                          |                           |                            |         |
| FREQ.<br>(MHz)                                      | EMISSION<br>LEVEL<br>(dBuV/m) | READ<br>LEVEL<br>(dBuV) | LIMIT<br>(dBuV/m) | MARGIN<br>(dB) | ANTENNA<br>FACTOR<br>(dB /m) | CABLE<br>LOSS<br>(dB) | PREAMP<br>FACTOR<br>(dB) | ANTENNA<br>HEIGHT<br>(cm) | TABLE<br>ANGLE<br>(Degree) | REMARK  |
| 2390.000                                            | 52.80                         | 60.45                   | 74.00             | -21.20         | 32.14                        | 6.18                  | 45.97                    | 130                       | 290                        | Peak    |
| 2390.000                                            | 44.59                         | 52.24                   | 54.00             | -9.41          | 32.14                        | 6.18                  | 45.97                    | 130                       | 290                        | Average |
| 2402.000                                            | 100.95                        | 108.57                  | /                 | /              | 32.16                        | 6.19                  | 45.97                    | 130                       | 290                        | Peak    |
| 2402.000                                            | 98.96                         | 106.58                  | /                 | /              | 32.16                        | 6.19                  | 45.97                    | 130                       | 290                        | Average |
| 2483.500                                            | 52.97                         | 60.23                   | 74.00             | -21.03         | 32.36                        | 6.31                  | 45.93                    | 130                       | 290                        | Peak    |
| 2483.500                                            | 45.09                         | 52.35                   | 54.00             | -8.91          | 32.36                        | 6.31                  | 45.93                    | 130                       | 290                        | Average |

**REMARKS:**

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor  
Margin value = Emission level – Limit value.
2. 2402MHz: Fundamental frequency.