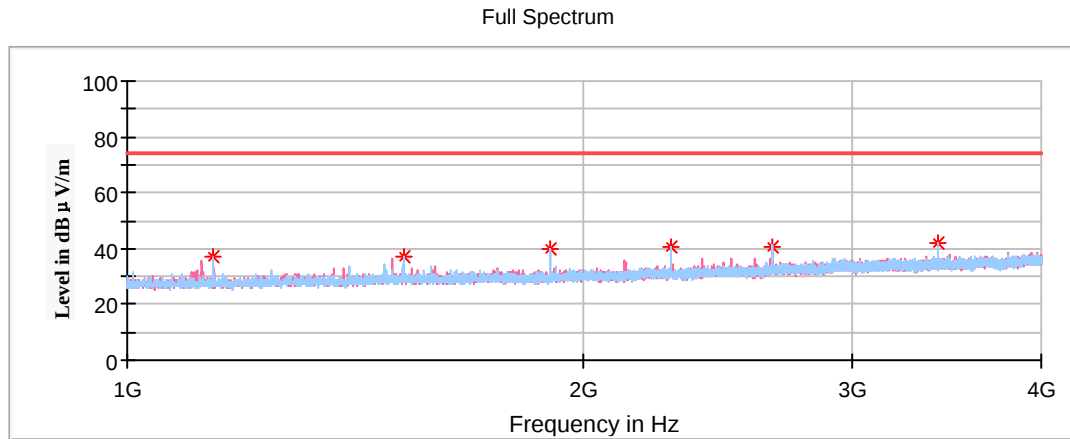


**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1140.00            | 36.96                  | 150            | V              | 88                  | -18.3                         | 54.00             | 17.04          |
| 1520.00            | 37.29                  | 150            | H              | 1                   | -16.3                         | 54.00             | 16.71          |
| 1900.00            | 40.04                  | 150            | V              | 68                  | -14.8                         | 58.84             | 18.80          |
| 2280.00            | 40.27                  | 150            | H              | 323                 | -13.3                         | 54.00             | 13.73          |
| 2660.00            | 40.63                  | 150            | V              | 312                 | -11.7                         | 58.84             | 18.21          |
| 3420.00            | 41.95                  | 150            | H              | 4                   | -9.0                          | 58.84             | 16.89          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

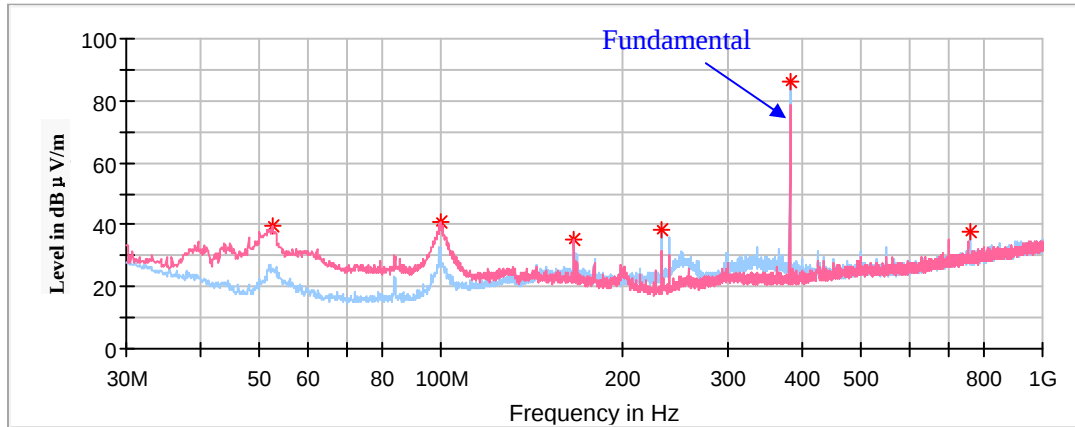
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 380.0MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 52.43           | 39.82               | 100         | V           | 296              | -18.0                   | 58.84          | 19.02       |
| 99.71           | 41.04               | 100         | V           | 345              | -15.0                   | 58.84          | 17.80       |
| 165.92          | 35.28               | 100         | V           | 163              | -13.0                   | 43.50          | 8.22        |
| 232.85          | 38.37               | 100         | H           | 241              | -13.7                   | 58.84          | 20.47       |
| 380.00          | 86.37               | 100         | H           | 43               | -9.1                    | 98.84          | 12.47       |
| 760.00          | 37.95               | 100         | H           | 55               | -2.1                    | 78.84          | 40.89       |

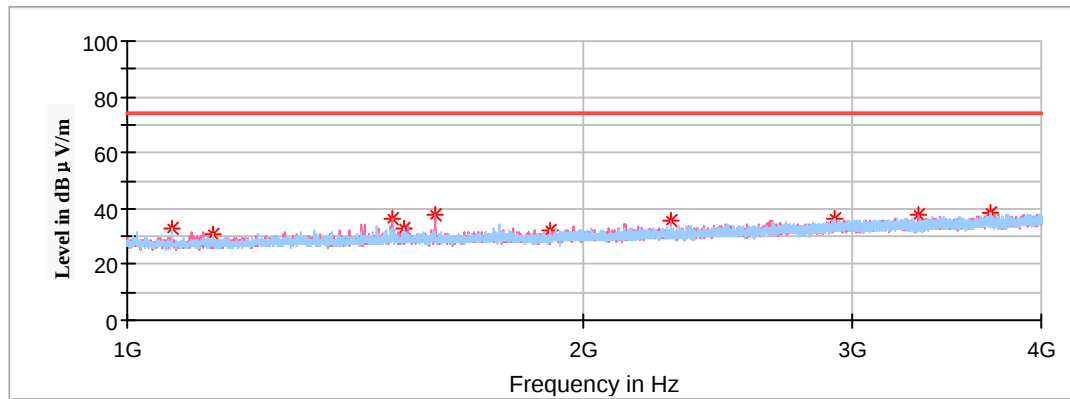
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 380.00          | 86.37                        | 100         | H           | -13.98                           | 72.39                        | 78.84                      | 6.45        |
| 760.00          | 37.95                        | 100         | H           | -13.98                           | 23.97                        | 58.84                      | 34.87       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1070.50         | 32.66               | 150         | H           | 327              | -18.7                   | 54.00          | 21.34       |
| 1140.00         | 30.73               | 150         | H           | 144              | -18.3                   | 54.00          | 23.27       |
| 1495.30         | 36.61               | 150         | V           | 287              | -16.4                   | 54.00          | 17.39       |
| 1520.00         | 32.60               | 150         | H           | 317              | -16.3                   | 54.00          | 21.40       |
| 1596.70         | 37.60               | 150         | V           | 287              | -16.0                   | 54.00          | 16.40       |
| 1900.00         | 31.97               | 150         | H           | 286              | -14.8                   | 58.84          | 26.87       |
| 2280.00         | 35.84               | 150         | V           | 84               | -13.3                   | 54.00          | 18.16       |
| 2924.80         | 36.49               | 150         | H           | 6                | -10.4                   | 58.84          | 22.35       |
| 3324.10         | 37.44               | 150         | V           | 287              | -9.3                    | 58.84          | 21.40       |
| 3702.10         | 38.60               | 150         | H           | 276              | -8.1                    | 54.00          | 15.40       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

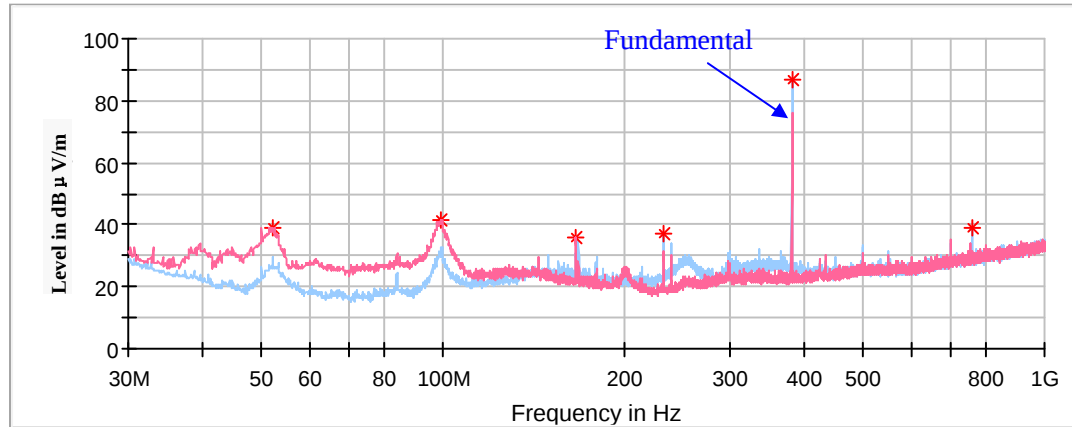
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 380.0MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 52.06           | 39.11               | 100         | V           | 308              | -18.0                   | 58.84          | 19.73       |
| 99.11           | 41.68               | 100         | V           | 15               | -15.2                   | 58.84          | 17.16       |
| 166.28          | 35.61               | 100         | V           | 194              | -13.0                   | 43.50          | 7.89        |
| 232.85          | 37.33               | 100         | H           | 254              | -13.7                   | 58.84          | 21.51       |
| 380.00          | 86.61               | 100         | H           | 327              | -9.1                    | 98.84          | 12.23       |
| 760.00          | 38.87               | 100         | H           | 327              | -2.1                    | 78.84          | 39.97       |

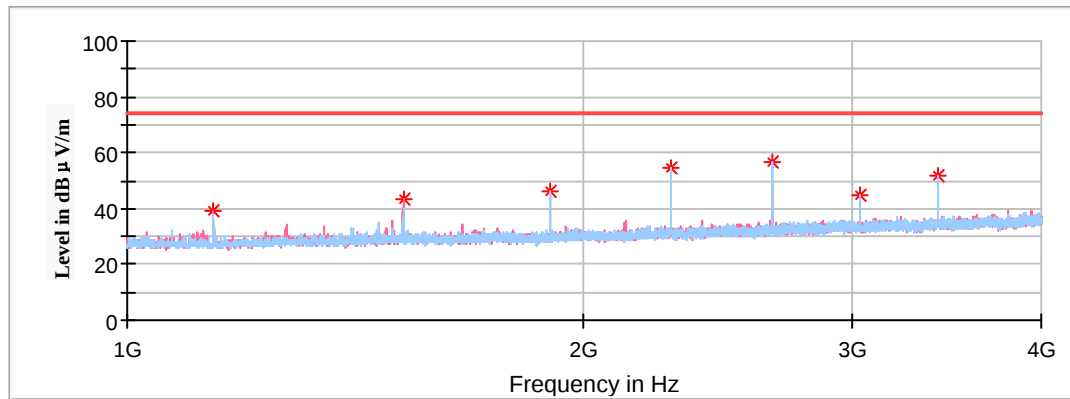
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 380.00          | 86.61                        | 100         | H           | -13.98                           | 72.63                        | 78.84                      | 6.21        |
| 760.00          | 38.87                        | 100         | H           | -13.98                           | 24.89                        | 58.84                      | 33.95       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude    | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|--------------------|---------------------------|----------------|----------------|---------------------|-------------------------------|-------------------------|----------------|
|                    | MaxPeak<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                         |                |
| 1140.00            | 39.40                     | 150            | V              | 89                  | -18.3                         | 74.00                   | 34.60          |
| 1520.00            | 43.20                     | 150            | V              | 293                 | -16.3                         | 74.00                   | 30.80          |
| 1900.00            | 46.13                     | 150            | H              | 286                 | -14.8                         | 78.84                   | 32.71          |
| 2280.00            | 54.20                     | 150            | H              | 72                  | -13.3                         | 74.00                   | 19.80          |
| 2660.00            | 56.30                     | 150            | H              | 286                 | -11.7                         | 78.84                   | 22.54          |
| 3040.00            | 44.48                     | 150            | H              | 256                 | -10.0                         | 78.84                   | 34.36          |
| 3420.00            | 51.90                     | 150            | H              | 349                 | -9.0                          | 78.84                   | 26.94          |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1140.00            | 39.40                              | 150            | V              | -13.98                                 | 25.42                              | 54.00                         | 28.58          |
| 1520.00            | 43.20                              | 150            | V              | -13.98                                 | 29.22                              | 54.00                         | 24.78          |
| 1900.00            | 46.13                              | 150            | H              | -13.98                                 | 32.15                              | 58.84                         | 26.69          |
| 2280.00            | 54.20                              | 150            | H              | -13.98                                 | 40.22                              | 54.00                         | 13.78          |
| 2660.00            | 56.30                              | 150            | H              | -13.98                                 | 42.32                              | 58.84                         | 16.52          |
| 3040.00            | 44.48                              | 150            | H              | -13.98                                 | 30.50                              | 58.84                         | 28.34          |
| 3420.00            | 51.90                              | 150            | H              | -13.98                                 | 37.92                              | 58.84                         | 20.92          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

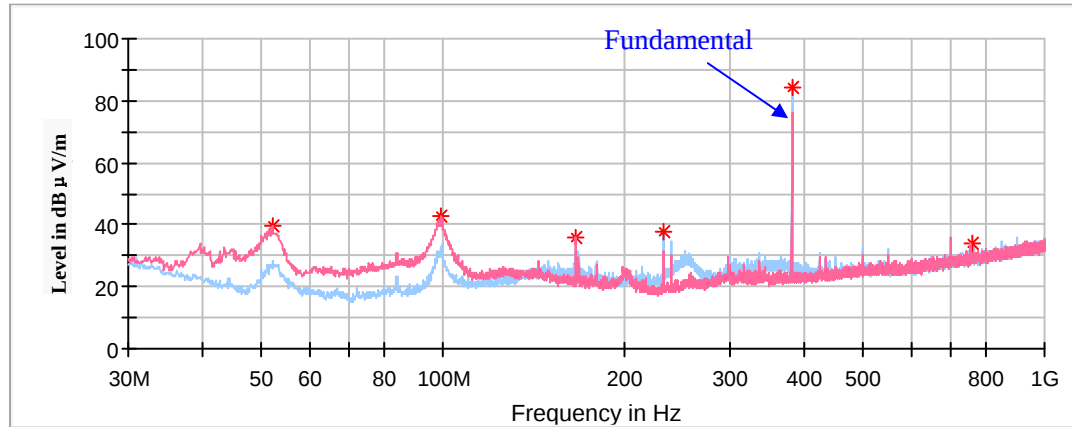
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Middle Channel: 380.0MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 52.06           | 39.93               | 100         | V           | 271              | -18.0                   | 58.84          | 18.91       |
| 99.59           | 42.56               | 100         | V           | 68               | -15.1                   | 58.84          | 16.28       |
| 166.28          | 35.66               | 100         | V           | 164              | -13.0                   | 43.50          | 7.84        |
| 232.85          | 37.69               | 200         | H           | 241              | -13.7                   | 58.84          | 21.15       |
| 380.00          | 84.14               | 100         | H           | 34               | -9.1                    | 98.84          | 14.70       |
| 760.00          | 33.94               | 100         | H           | 21               | -2.1                    | 78.84          | 44.90       |

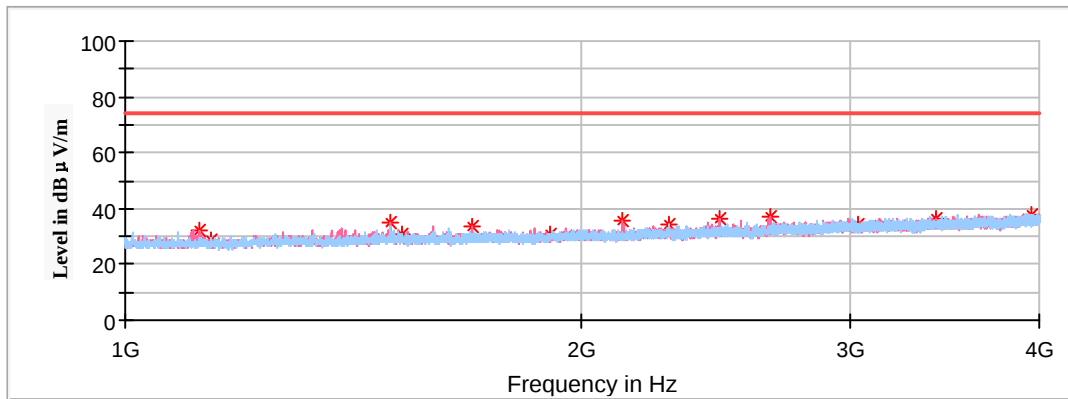
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 380.00          | 84.14                        | 100         | H           | -13.98                           | 70.16                        | 78.84                      | 8.68        |
| 760.00          | 33.94                        | 100         | H           | -13.98                           | 19.96                        | 58.84                      | 38.88       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1120.30         | 32.08               | 150         | V           | 232              | -18.4                   | 54.00          | 21.92       |
| 1140.00         | 28.39               | 150         | H           | 0                | -18.3                   | 54.00          | 25.61       |
| 1494.70         | 35.08               | 150         | V           | 161              | -16.4                   | 54.00          | 18.92       |
| 1520.00         | 30.61               | 150         | V           | 69               | -16.3                   | 54.00          | 23.39       |
| 1690.90         | 33.39               | 150         | V           | 283              | -15.6                   | 54.00          | 20.61       |
| 1900.00         | 30.76               | 150         | V           | 242              | -14.8                   | 58.84          | 28.08       |
| 2127.10         | 35.63               | 150         | V           | 283              | -13.9                   | 58.84          | 23.21       |
| 2280.00         | 34.43               | 150         | H           | 257              | -13.3                   | 54.00          | 19.57       |
| 2465.50         | 36.56               | 150         | V           | 263              | -12.6                   | 58.84          | 22.28       |
| 2660.00         | 37.00               | 150         | V           | 263              | -11.7                   | 58.84          | 21.84       |
| 3040.00         | 34.45               | 150         | H           | 0                | -10.0                   | 58.84          | 24.39       |
| 3420.00         | 36.21               | 150         | V           | 171              | -9.0                    | 58.84          | 22.63       |
| 3949.60         | 38.08               | 150         | H           | 24               | -7.2                    | 54.00          | 15.92       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

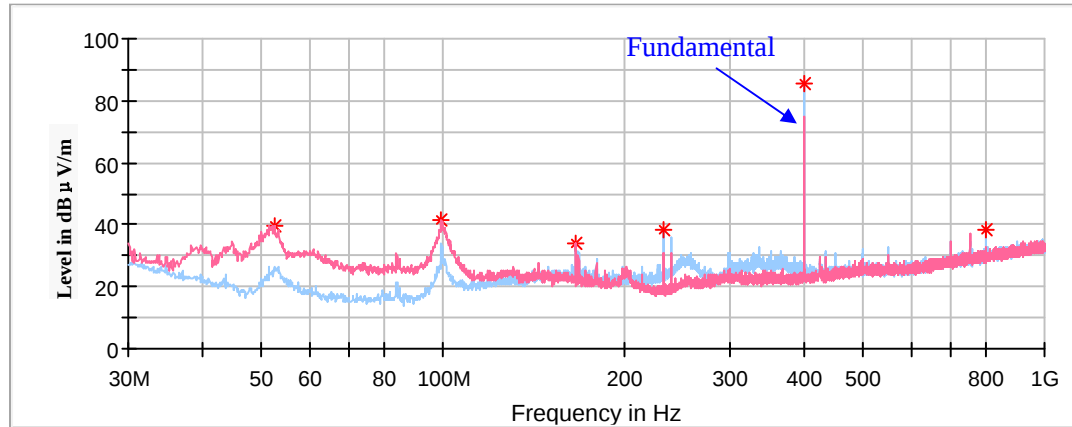
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 399.5MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



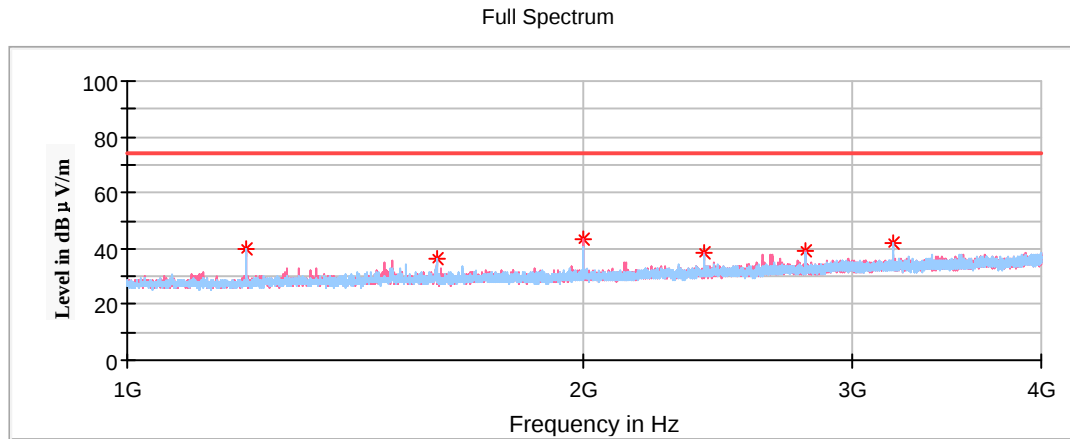
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 52.55           | 39.46               | 100         | H           | 295              | -18.0                   | 59.61          | 20.15       |
| 99.59           | 41.74               | 100         | V           | 32               | -15.1                   | 59.61          | 17.87       |
| 165.92          | 34.24               | 100         | V           | 170              | -13.0                   | 43.50          | 9.26        |
| 232.36          | 38.29               | 200         | H           | 241              | -13.7                   | 59.61          | 21.32       |
| 399.50          | 85.58               | 100         | H           | 318              | -8.6                    | 99.61          | 14.03       |
| 799.00          | 38.60               | 100         | H           | 312              | -1.4                    | 79.61          | 41.01       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 399.50          | 85.58                        | 100         | H           | -13.98                           | 71.60                        | 79.61                      | 8.01        |
| 799.00          | 38.60                        | 100         | H           | -13.98                           | 24.62                        | 59.61                      | 34.99       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1198.50            | 39.84                  | 150            | H              | 135                 | -18.0                         | 54.00             | 14.16          |
| 1598.00            | 36.31                  | 150            | H              | 358                 | -16.0                         | 54.00             | 17.69          |
| 1997.50            | 43.38                  | 150            | V              | 112                 | -14.5                         | 59.61             | 16.23          |
| 2397.00            | 38.13                  | 150            | V              | 296                 | -12.8                         | 59.61             | 21.48          |
| 2796.50            | 39.30                  | 150            | V              | 285                 | -11.0                         | 54.00             | 14.70          |
| 3196.00            | 41.62                  | 150            | H              | 6                   | -9.6                          | 59.61             | 17.99          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

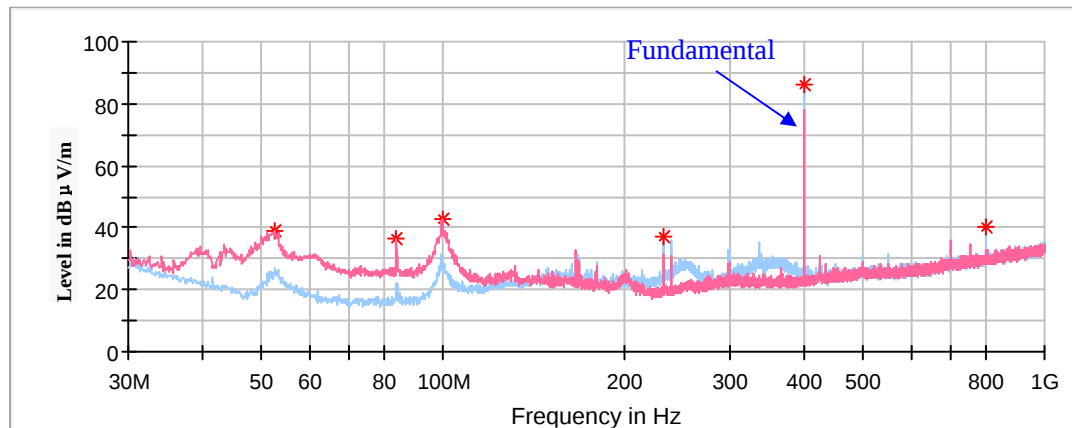
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 399.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



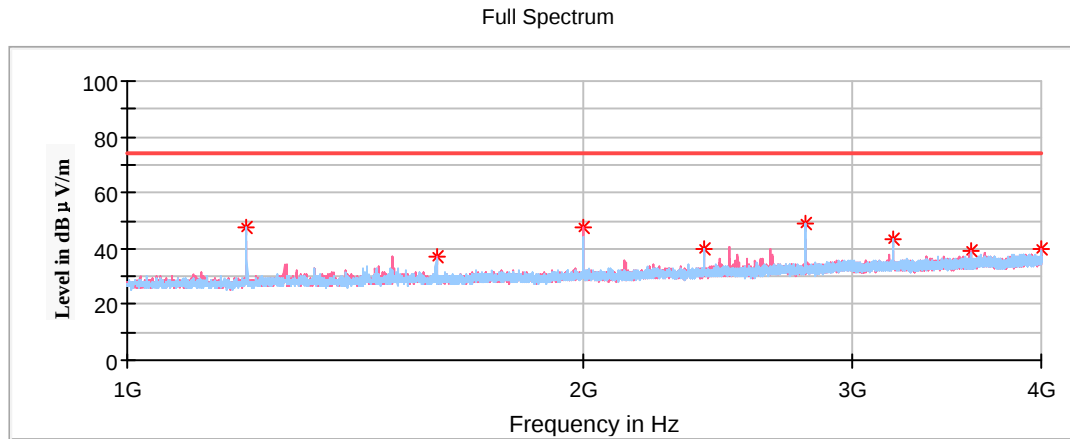
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 52.55           | 39.04               | 100         | V           | 217              | -18.0                   | 59.61          | 20.57       |
| 83.83           | 36.75               | 100         | V           | 278              | -17.9                   | 59.61          | 22.86       |
| 99.71           | 42.47               | 100         | V           | 13               | -15.0                   | 59.61          | 17.14       |
| 232.36          | 37.36               | 100         | H           | 235              | -13.7                   | 59.61          | 22.25       |
| 399.50          | 86.47               | 100         | H           | 14               | -8.6                    | 99.61          | 13.14       |
| 799.00          | 40.45               | 100         | H           | 8                | -1.4                    | 79.61          | 39.16       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 399.50          | 86.47                        | 100         | H           | -13.98                           | 72.49                        | 79.61                      | 7.12        |
| 799.00          | 40.45                        | 100         | H           | -13.98                           | 26.47                        | 59.61                      | 33.14       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1198.50         | 47.52               | 150         | H           | 145              | -18.0                   | 54.00          | 6.48        |
| 1598.00         | 37.10               | 150         | V           | 286              | -16.0                   | 54.00          | 16.90       |
| 1997.50         | 47.75               | 150         | V           | 112              | -14.5                   | 59.61          | 11.86       |
| 2397.00         | 40.10               | 150         | H           | 217              | -12.8                   | 59.61          | 19.51       |
| 2796.50         | 49.20               | 150         | H           | 43               | -11.0                   | 54.00          | 4.80        |
| 3196.00         | 43.59               | 150         | H           | 53               | -9.6                    | 59.61          | 16.02       |
| 3595.50         | 38.88               | 150         | V           | 275              | -8.5                    | 59.61          | 20.73       |
| 3995.00         | 39.71               | 150         | V           | 12               | -7.0                    | 54.00          | 14.29       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

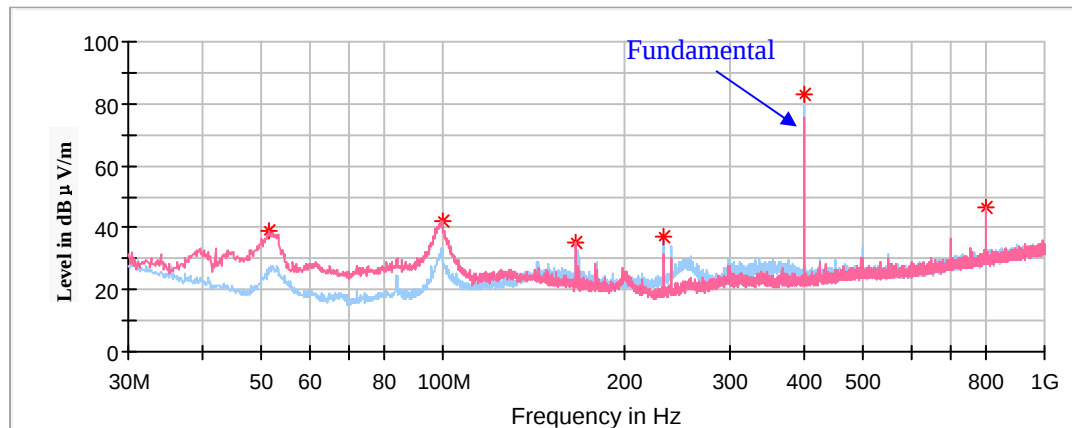
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 399.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 51.58           | 38.90               | 100         | V           | 233              | -18.0                   | 59.61          | 20.71       |
| 99.71           | 42.22               | 100         | V           | 41               | -15.0                   | 59.61          | 17.39       |
| 166.28          | 35.50               | 100         | V           | 156              | -13.0                   | 43.50          | 8.00        |
| 232.36          | 36.99               | 100         | H           | 237              | -13.7                   | 59.61          | 22.62       |
| 399.50          | 82.78               | 100         | H           | 332              | -8.6                    | 99.61          | 16.83       |
| 799.00          | 46.48               | 100         | V           | 137              | -1.4                    | 79.61          | 33.13       |

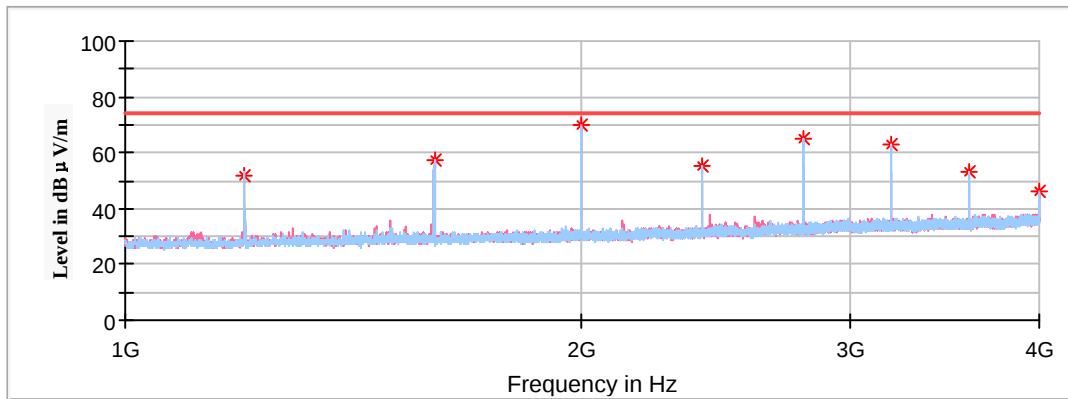
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 399.50          | 82.78                        | 100         | H           | -13.98                           | 68.80                        | 79.61                      | 10.81       |
| 799.00          | 46.48                        | 100         | V           | -13.98                           | 32.50                        | 59.61                      | 27.11       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1198.50         | 51.85               | 150         | H           | 257              | -18.0                   | 74.00          | 22.15       |
| 1598.00         | 57.14               | 150         | V           | 255              | -16.0                   | 74.00          | 16.86       |
| 1997.50         | 70.01               | 150         | V           | 204              | -14.5                   | 79.61          | 9.60        |
| 2397.00         | 54.96               | 150         | H           | 347              | -12.8                   | 79.61          | 24.65       |
| 2796.50         | 64.79               | 150         | H           | 175              | -11.0                   | 74.00          | 9.21        |
| 3196.00         | 63.10               | 150         | H           | 267              | -9.6                    | 79.61          | 16.51       |
| 3595.50         | 53.13               | 150         | H           | 318              | -8.5                    | 79.61          | 26.48       |
| 3995.00         | 46.46               | 150         | V           | 0                | -7.0                    | 74.00          | 27.54       |

## Field Strength of Average Emission

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1198.50            | 51.85                              | 150            | H              | -13.98                                 | 37.87                              | 54.00                         | 16.13          |
| 1598.00            | 57.14                              | 150            | V              | -13.98                                 | 43.16                              | 54.00                         | 10.84          |
| 1997.50            | 70.01                              | 150            | V              | -13.98                                 | 56.03                              | 59.61                         | 3.58           |
| 2397.00            | 54.96                              | 150            | H              | -13.98                                 | 40.98                              | 59.61                         | 18.63          |
| 2796.50            | 64.79                              | 150            | H              | -13.98                                 | 50.81                              | 54.00                         | 3.19           |
| 3196.00            | 63.10                              | 150            | H              | -13.98                                 | 49.12                              | 59.61                         | 10.49          |
| 3595.50            | 53.13                              | 150            | H              | -13.98                                 | 39.15                              | 59.61                         | 20.46          |
| 3995.00            | 46.46                              | 150            | V              | -13.98                                 | 32.48                              | 54.00                         | 21.52          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

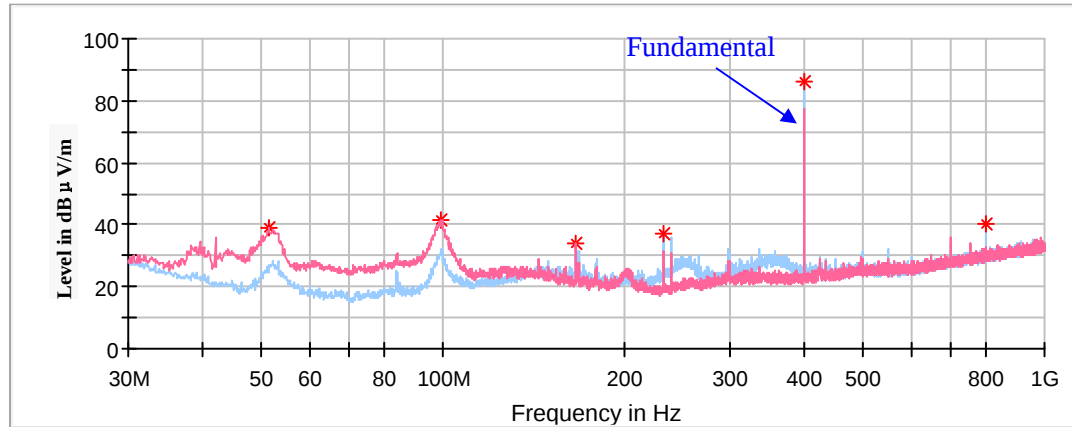
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**High Channel: 399.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 51.34           | 39.29               | 100         | V           | 268              | -18.0                   | 59.61          | 20.32       |
| 98.87           | 41.60               | 100         | V           | 322              | -15.2                   | 59.61          | 18.01       |
| 165.92          | 33.95               | 100         | V           | 182              | -13.0                   | 43.50          | 9.55        |
| 232.85          | 36.84               | 100         | H           | 253              | -13.7                   | 59.61          | 22.77       |
| 399.50          | 86.23               | 100         | H           | 38               | -8.6                    | 99.61          | 13.38       |
| 799.00          | 40.17               | 100         | H           | 38               | -1.4                    | 79.61          | 39.44       |

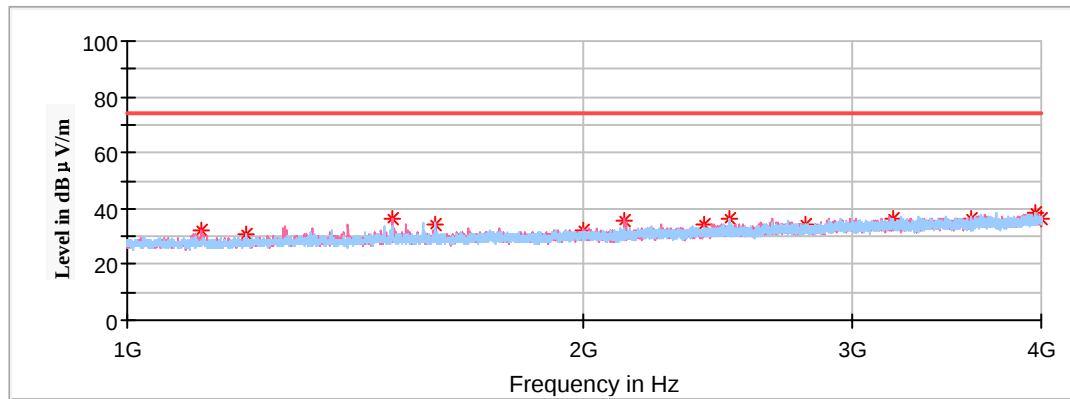
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 399.50          | 86.23                        | 100         | H           | -13.98                           | 72.25                        | 79.61                      | 7.36        |
| 799.00          | 40.17                        | 100         | H           | -13.98                           | 26.19                        | 59.61                      | 33.42       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1117.90         | 32.13               | 150         | V           | 107              | -18.4                   | 54.00          | 21.87       |
| 1198.50         | 30.72               | 150         | V           | 234              | -18.0                   | 54.00          | 23.28       |
| 1494.40         | 36.49               | 150         | V           | 296              | -16.4                   | 54.00          | 17.51       |
| 1598.00         | 34.28               | 150         | V           | 275              | -16.0                   | 54.00          | 19.72       |
| 1997.50         | 32.41               | 150         | V           | 307              | -14.5                   | 59.61          | 27.20       |
| 2127.10         | 35.91               | 150         | V           | 285              | -13.9                   | 59.61          | 23.70       |
| 2397.00         | 33.94               | 150         | V           | 317              | -12.8                   | 59.61          | 25.67       |
| 2491.90         | 36.63               | 150         | H           | 74               | -12.5                   | 54.00          | 17.37       |
| 2796.50         | 34.57               | 150         | H           | 201              | -11.1                   | 54.00          | 19.43       |
| 3196.00         | 36.11               | 150         | H           | 221              | -9.6                    | 59.61          | 23.50       |
| 3595.50         | 36.26               | 150         | V           | 343              | -8.5                    | 59.61          | 23.35       |
| 3969.10         | 38.38               | 150         | H           | 343              | -7.1                    | 54.00          | 15.62       |
| 3995.00         | 36.67               | 150         | H           | 140              | -7.0                    | 54.00          | 17.33       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

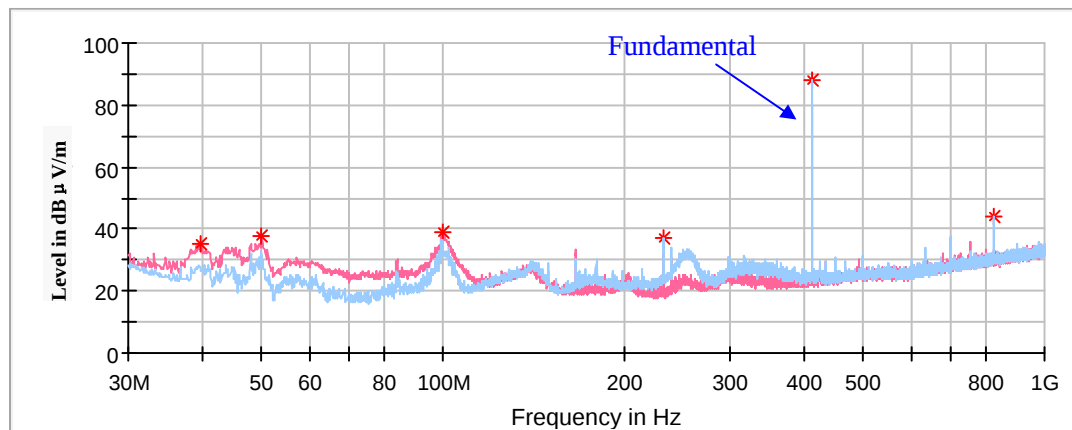
**For 434MHz Band:**

**For GFSK Modulation:**

**Low Channel: 410.5MHz (ANT 1)**

**30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



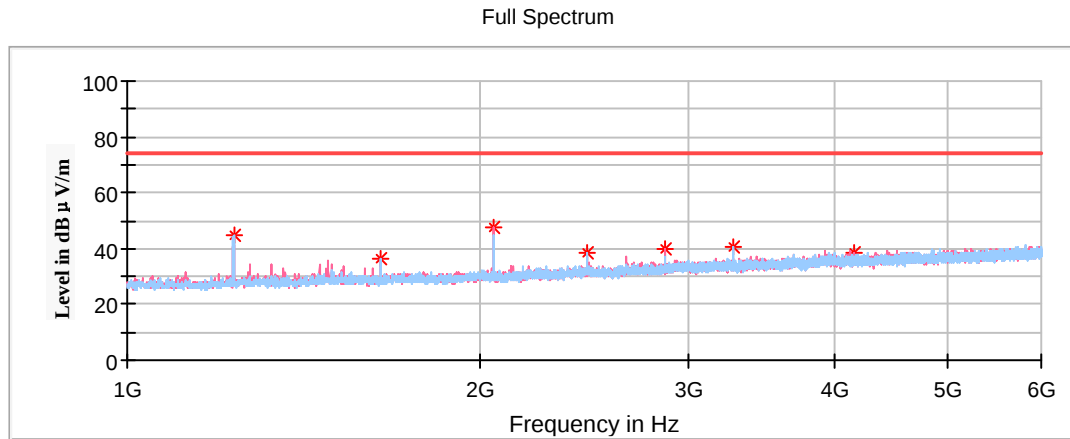
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 35.26               | 100         | V           | 301              | -10.9                   | 60.02          | 24.76       |
| 50.00           | 37.87               | 100         | V           | 215              | -18.0                   | 60.02          | 22.15       |
| 99.71           | 39.07               | 100         | V           | 358              | -15.0                   | 60.02          | 20.95       |
| 232.85          | 36.96               | 100         | H           | 239              | -13.7                   | 60.02          | 23.06       |
| 410.50          | 87.94               | 100         | H           | 95               | -8.3                    | 100.02         | 12.08       |
| 821.00          | 43.94               | 100         | H           | 95               | -1.1                    | 80.02          | 36.08       |

#### Field Strength of Average Emission

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 410.50          | 87.94                        | 100         | H           | -13.98                           | 73.96                        | 80.02                      | 6.06        |
| 821.00          | 43.94                        | 100         | H           | -13.98                           | 29.96                        | 60.02                      | 30.06       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1231.50            | 44.57                  | 150            | H              | 140                 | -17.8                         | 54.00             | 9.43           |
| 1642.00            | 36.18                  | 150            | H              | 10                  | -15.8                         | 60.02             | 23.84          |
| 2052.50            | 47.72                  | 150            | V              | 65                  | -14.3                         | 60.02             | 12.30          |
| 2463.00            | 38.79                  | 150            | H              | 171                 | -12.6                         | 60.02             | 21.23          |
| 2873.50            | 39.74                  | 150            | V              | 271                 | -10.7                         | 54.00             | 14.26          |
| 3284.00            | 40.24                  | 150            | H              | 4                   | -9.4                          | 60.02             | 19.78          |
| 4105.00            | 38.43                  | 150            | V              | 240                 | -6.8                          | 54.00             | 15.57          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

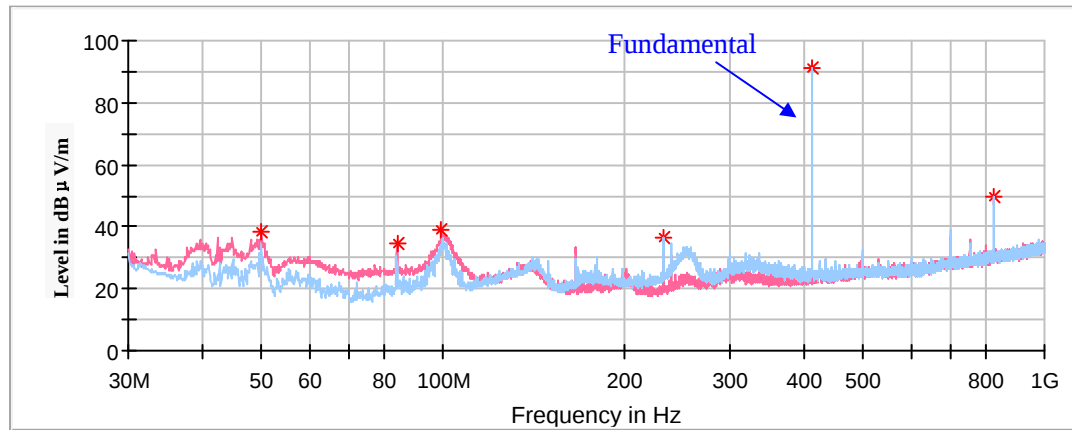
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 410.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



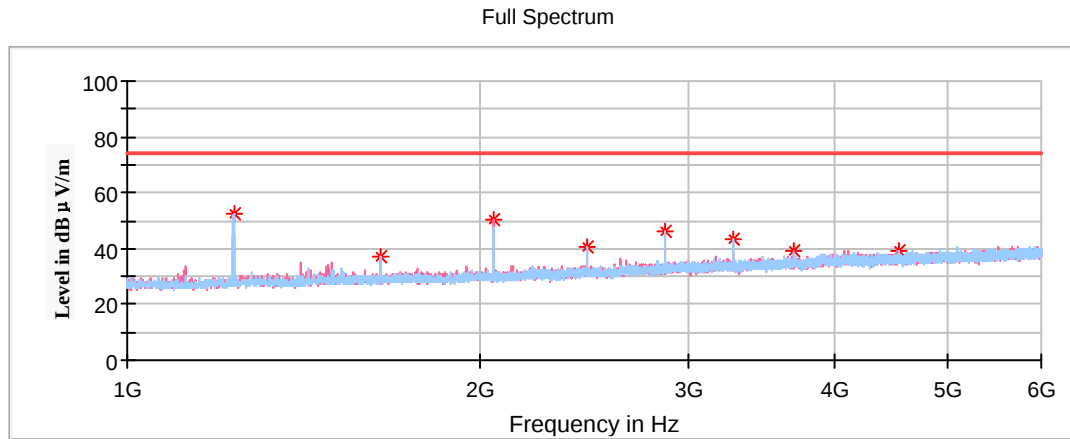
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 49.88           | 38.61               | 100         | V           | 270              | -17.9                   | 60.02          | 21.41       |
| 83.95           | 34.59               | 100         | V           | 228              | -17.9                   | 60.02          | 25.43       |
| 99.59           | 39.20               | 100         | V           | 11               | -15.1                   | 60.02          | 20.82       |
| 232.85          | 36.73               | 100         | H           | 227              | -13.7                   | 60.02          | 23.29       |
| 410.50          | 90.93               | 100         | H           | 350              | -8.3                    | 100.02         | 9.09        |
| 821.00          | 49.66               | 100         | H           | 350              | -1.1                    | 80.02          | 30.36       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 410.50          | 90.93                        | 100         | H           | -13.98                           | 76.95                        | 80.02                      | 3.07        |
| 821.00          | 49.66                        | 100         | H           | -13.98                           | 35.68                        | 60.02                      | 24.34       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1231.50         | 52.51               | 150         | H           | 191              | -17.8                   | 54.00          | 1.49        |
| 1642.00         | 36.85               | 150         | V           | 271              | -15.8                   | 60.02          | 23.17       |
| 2052.50         | 50.48               | 150         | V           | 65               | -14.3                   | 60.02          | 9.54        |
| 2463.00         | 40.21               | 150         | V           | 65               | -12.6                   | 60.02          | 19.81       |
| 2873.50         | 46.42               | 150         | H           | 349              | -10.7                   | 54.00          | 7.58        |
| 3284.00         | 43.44               | 150         | H           | 140              | -9.4                    | 60.02          | 16.58       |
| 3694.50         | 39.42               | 150         | V           | 25               | -8.1                    | 54.00          | 14.58       |
| 4515.50         | 39.50               | 150         | H           | 181              | -6.1                    | 54.00          | 14.50       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

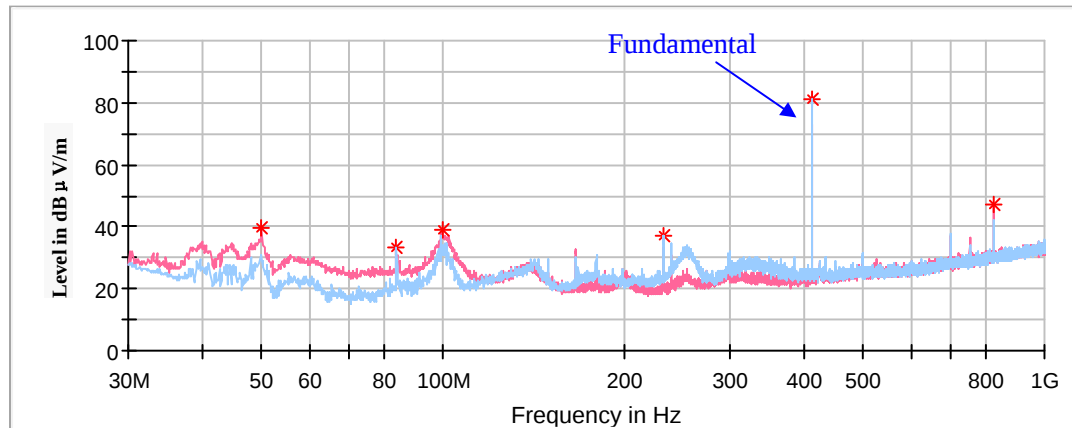
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 410.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 39.57               | 100         | V           | 302              | -18.0                   | 60.02          | 20.45       |
| 83.83           | 33.51               | 200         | V           | 0                | -17.9                   | 60.02          | 26.51       |
| 99.71           | 38.86               | 100         | V           | 345              | -15.0                   | 60.02          | 21.16       |
| 232.36          | 37.03               | 100         | H           | 223              | -13.7                   | 60.02          | 22.99       |
| 410.50          | 80.95               | 100         | H           | 223              | -8.3                    | 100.02         | 19.07       |
| 821.00          | 46.93               | 100         | V           | 84               | -1.1                    | 80.02          | 33.09       |

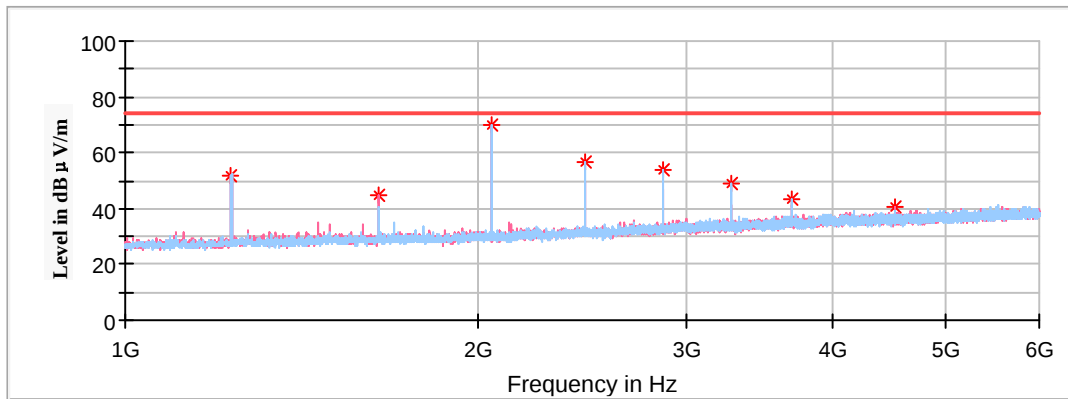
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 410.50          | 80.95                        | 100         | H           | -13.98                           | 66.97                        | 80.02                      | 13.05       |
| 821.00          | 46.93                        | 100         | V           | -13.98                           | 32.95                        | 60.02                      | 27.07       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1231.50            | 51.83                  | 150            | V              | 75                  | -17.8                         | 74.00             | 22.17          |
| 1642.00            | 44.55                  | 150            | V              | 214                 | -15.8                         | 80.02             | 35.47          |
| 2052.50            | 69.82                  | 150            | H              | 43                  | -14.3                         | 80.02             | 10.20          |
| 2463.00            | 56.67                  | 150            | H              | 53                  | -12.6                         | 80.02             | 23.35          |
| 2873.50            | 54.10                  | 150            | H              | 186                 | -10.7                         | 74.00             | 19.90          |
| 3284.00            | 48.83                  | 150            | H              | 196                 | -9.4                          | 80.02             | 31.19          |
| 3694.50            | 43.40                  | 150            | H              | 124                 | -8.1                          | 74.00             | 30.60          |
| 4515.50            | 40.25                  | 150            | V              | 65                  | -6.2                          | 74.00             | 33.75          |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1231.50            | 51.83                                    | 150            | V              | -13.98                                 | 37.85                                    | 54.00                         | 16.15          |
| 1642.00            | 44.55                                    | 150            | V              | -13.98                                 | 30.57                                    | 60.02                         | 29.45          |
| 2052.50            | 69.82                                    | 150            | H              | -13.98                                 | 55.84                                    | 60.02                         | 4.18           |
| 2463.00            | 56.67                                    | 150            | H              | -13.98                                 | 42.69                                    | 60.02                         | 17.33          |
| 2873.50            | 54.10                                    | 150            | H              | -13.98                                 | 40.12                                    | 54.00                         | 13.88          |
| 3284.00            | 48.83                                    | 150            | H              | -13.98                                 | 34.85                                    | 60.02                         | 25.17          |
| 3694.50            | 43.40                                    | 150            | H              | -13.98                                 | 29.42                                    | 54.00                         | 24.58          |
| 4515.50            | 40.25                                    | 150            | V              | -13.98                                 | 26.27                                    | 54.00                         | 27.73          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

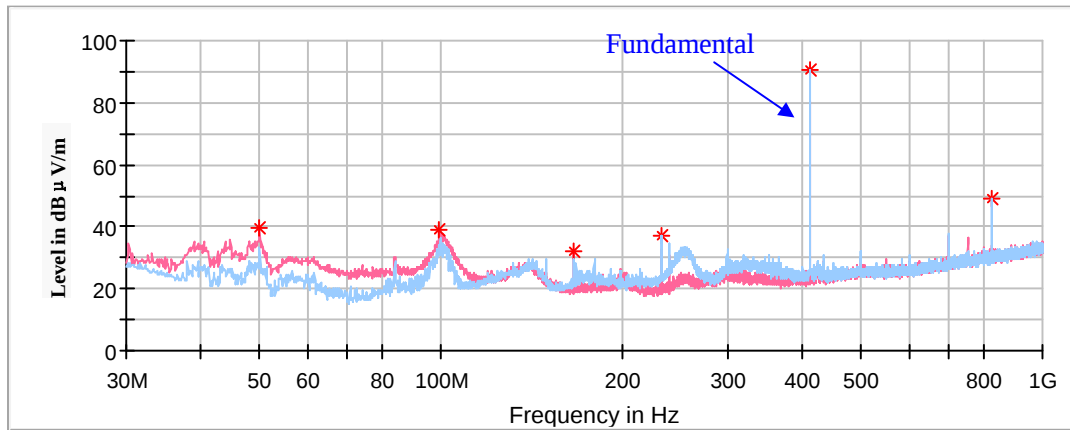
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Low Channel: 410.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



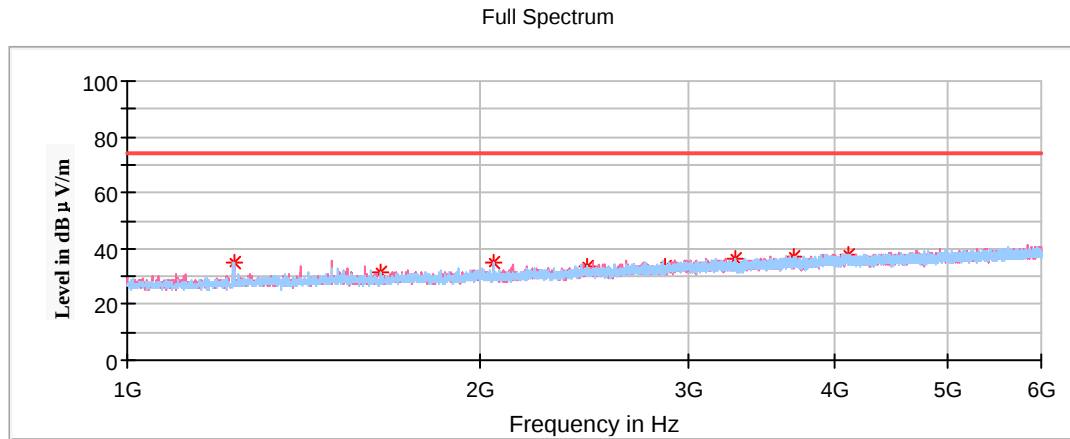
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 39.52               | 100         | V           | 271              | -18.0                   | 60.02          | 20.50       |
| 99.59           | 38.77               | 100         | V           | 34               | -15.1                   | 60.02          | 21.25       |
| 166.28          | 32.28               | 100         | V           | 187              | -13.0                   | 43.50          | 11.22       |
| 232.85          | 36.99               | 100         | H           | 244              | -13.7                   | 60.02          | 23.03       |
| 410.50          | 90.83               | 100         | H           | 353              | -8.3                    | 100.02         | 9.19        |
| 821.00          | 49.26               | 100         | H           | 353              | -1.1                    | 80.02          | 30.76       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 410.50          | 90.83                        | 100         | H           | -13.98                           | 76.85                        | 80.02                      | 3.17        |
| 821.00          | 49.26                        | 100         | H           | -13.98                           | 35.28                        | 60.02                      | 24.74       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1231.50         | 35.28               | 150         | H           | 354              | -17.8                   | 54.00          | 18.72       |
| 1642.00         | 31.38               | 150         | H           | 18               | -15.8                   | 60.02          | 28.64       |
| 2052.50         | 34.80               | 150         | V           | 209              | -14.3                   | 60.02          | 25.22       |
| 2463.00         | 33.80               | 150         | H           | 140              | -12.6                   | 60.02          | 26.22       |
| 2873.50         | 33.83               | 150         | H           | 79               | -10.7                   | 54.00          | 20.17       |
| 3284.00         | 36.60               | 150         | H           | 335              | -9.4                    | 60.02          | 23.42       |
| 3694.50         | 37.41               | 150         | H           | 252              | -8.1                    | 54.00          | 16.59       |
| 4105.00         | 37.74               | 150         | H           | 48               | -6.8                    | 54.00          | 16.26       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

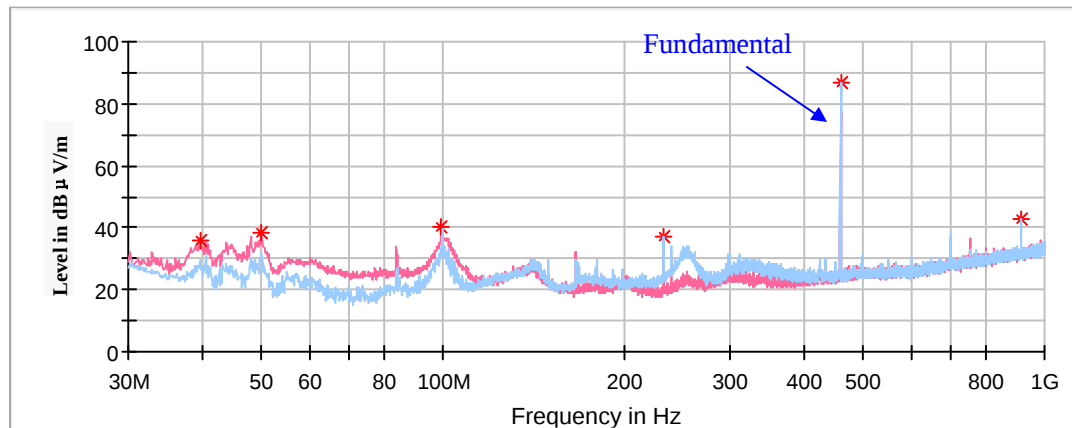
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 458.0MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



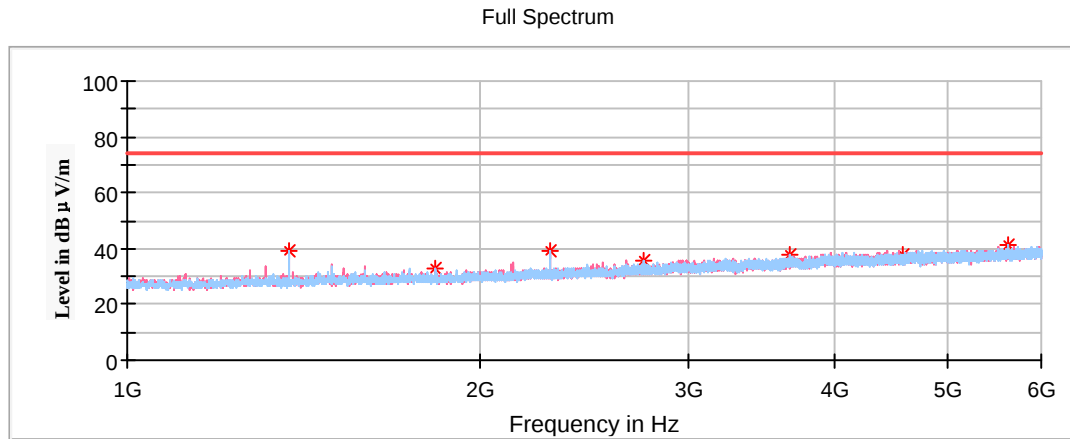
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 35.98               | 100         | V           | 308              | -10.9                   | 61.58          | 25.60       |
| 50.00           | 38.63               | 100         | V           | 271              | -18.0                   | 61.58          | 22.95       |
| 99.59           | 40.43               | 100         | V           | 326              | -15.1                   | 61.58          | 21.15       |
| 232.36          | 36.88               | 100         | H           | 233              | -13.7                   | 61.58          | 24.70       |
| 458.00          | 86.85               | 100         | H           | 300              | -7.1                    | 101.58         | 14.73       |
| 916.00          | 42.95               | 100         | H           | 294              | 0.5                     | 81.58          | 38.63       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 458.00          | 86.85                        | 100         | H           | -13.98                           | 72.87                        | 81.58                      | 8.71        |
| 916.00          | 42.95                        | 100         | H           | -13.98                           | 28.97                        | 61.58                      | 32.61       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1374.00         | 39.31               | 150         | H           | 160              | -17.0                   | 54.00          | 14.69       |
| 1832.00         | 33.21               | 150         | H           | 0                | -15.1                   | 61.58          | 28.37       |
| 2290.00         | 38.90               | 150         | H           | 326              | -13.3                   | 54.00          | 15.10       |
| 2748.00         | 35.83               | 150         | H           | 18               | -11.3                   | 54.00          | 18.17       |
| 3664.00         | 37.88               | 150         | V           | 266              | -8.2                    | 54.00          | 16.12       |
| 4580.00         | 37.76               | 150         | H           | 109              | -6.0                    | 54.00          | 16.24       |
| 5630.00         | 41.14               | 150         | H           | 0                | -3.7                    | 61.58          | 20.44       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

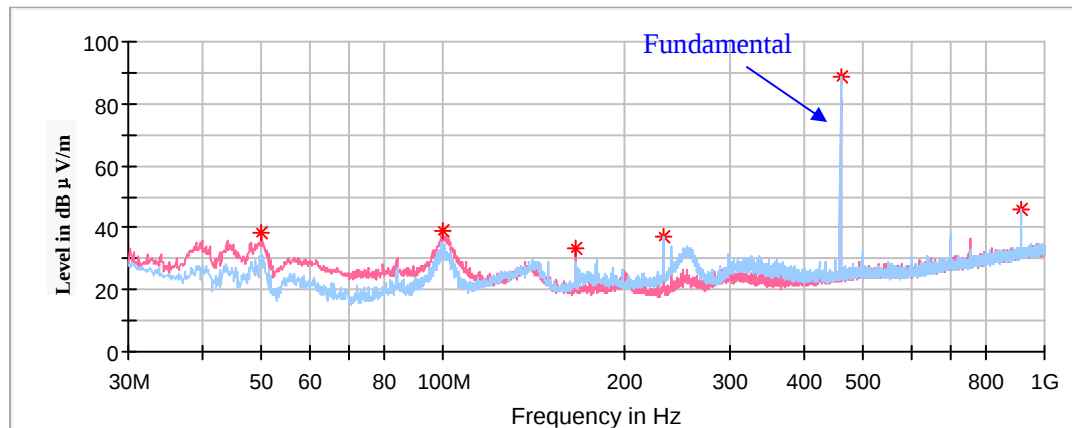
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 458.0MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 38.13               | 100         | V           | 250              | -18.0                   | 61.58          | 23.45       |
| 99.71           | 38.76               | 100         | V           | 1                | -15.0                   | 61.58          | 22.82       |
| 166.28          | 33.20               | 100         | V           | 164              | -13.0                   | 43.50          | 10.30       |
| 232.36          | 37.03               | 200         | H           | 236              | -13.7                   | 61.58          | 24.55       |
| 458.00          | 88.81               | 100         | H           | 218              | -7.1                    | 101.58         | 12.77       |
| 916.00          | 46.16               | 100         | H           | 212              | 0.5                     | 81.58          | 35.42       |

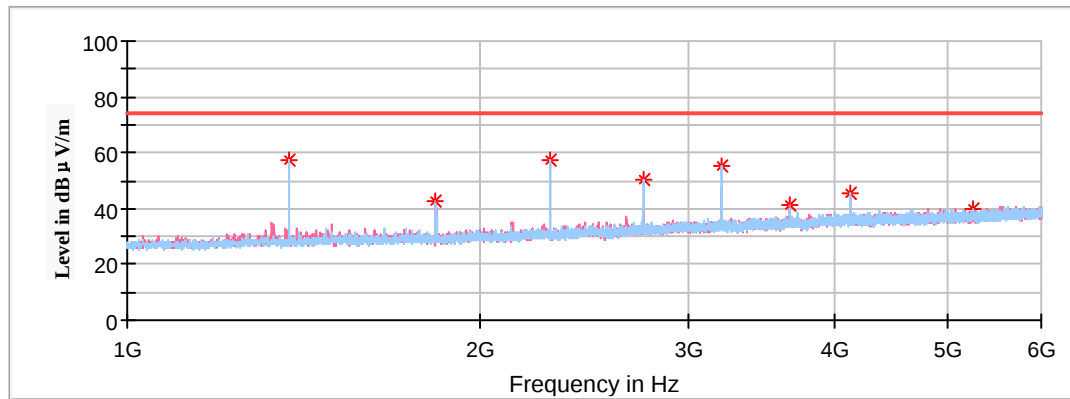
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 458.00          | 88.81                        | 100         | H           | -13.98                           | 74.83                        | 81.58                      | 6.75        |
| 916.00          | 46.16                        | 100         | H           | -13.98                           | 32.18                        | 61.58                      | 29.40       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude MaxPeak (dBμV/m) | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|--------------------------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 |                                      | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1374.00         | 57.46                                | 150         | H           | 161              | -17.0                   | 74.00          | 16.54       |
| 1832.00         | 42.76                                | 150         | V           | 64               | -15.1                   | 81.58          | 38.82       |
| 2290.00         | 57.39                                | 150         | V           | 96               | -13.3                   | 74.00          | 16.61       |
| 2748.00         | 50.21                                | 150         | H           | 49               | -11.3                   | 74.00          | 23.79       |
| 3206.00         | 54.96                                | 150         | H           | 150              | -9.6                    | 81.58          | 26.62       |
| 3664.00         | 41.60                                | 150         | V           | 11               | -8.2                    | 74.00          | 32.40       |
| 4122.00         | 45.44                                | 150         | H           | 326              | -6.8                    | 74.00          | 28.56       |
| 5259.00         | 40.19                                | 150         | H           | 263              | -4.5                    | 81.58          | 41.39       |

## Field Strength of Average Emission

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1374.00            | 57.46                              | 150            | H              | -13.98                                 | 43.48                              | 54.00                         | 10.52          |
| 1832.00            | 42.76                              | 150            | V              | -13.98                                 | 28.78                              | 61.58                         | 32.80          |
| 2290.00            | 57.39                              | 150            | V              | -13.98                                 | 43.41                              | 54.00                         | 10.59          |
| 2748.00            | 50.21                              | 150            | H              | -13.98                                 | 36.23                              | 54.00                         | 17.77          |
| 3206.00            | 54.96                              | 150            | H              | -13.98                                 | 40.98                              | 61.58                         | 20.60          |
| 3664.00            | 41.60                              | 150            | V              | -13.98                                 | 27.62                              | 54.00                         | 26.38          |
| 4122.00            | 45.44                              | 150            | H              | -13.98                                 | 31.46                              | 54.00                         | 22.54          |
| 5259.00            | 40.19                              | 150            | H              | -13.98                                 | 26.21                              | 61.58                         | 35.37          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

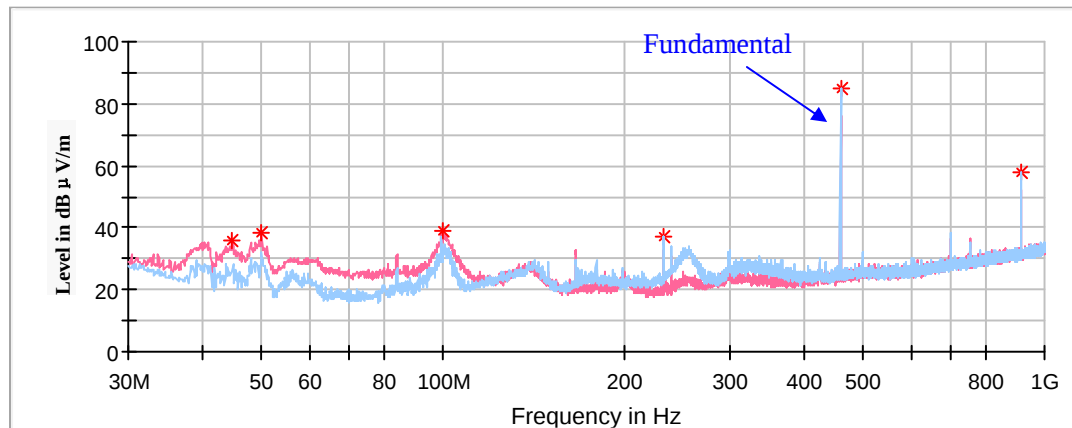
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Middle Channel: 458.0MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.67           | 35.72               | 100         | V           | 284              | -14.4                   | 61.58          | 25.86       |
| 50.00           | 38.56               | 100         | V           | 260              | -18.0                   | 61.58          | 23.02       |
| 99.71           | 39.28               | 100         | V           | 53               | -15.0                   | 61.58          | 22.30       |
| 232.36          | 36.95               | 100         | H           | 235              | -13.7                   | 61.58          | 24.63       |
| 458.00          | 84.71               | 100         | H           | 295              | -7.1                    | 101.58         | 16.87       |
| 916.00          | 57.64               | 100         | H           | 46               | 0.5                     | 81.58          | 23.94       |

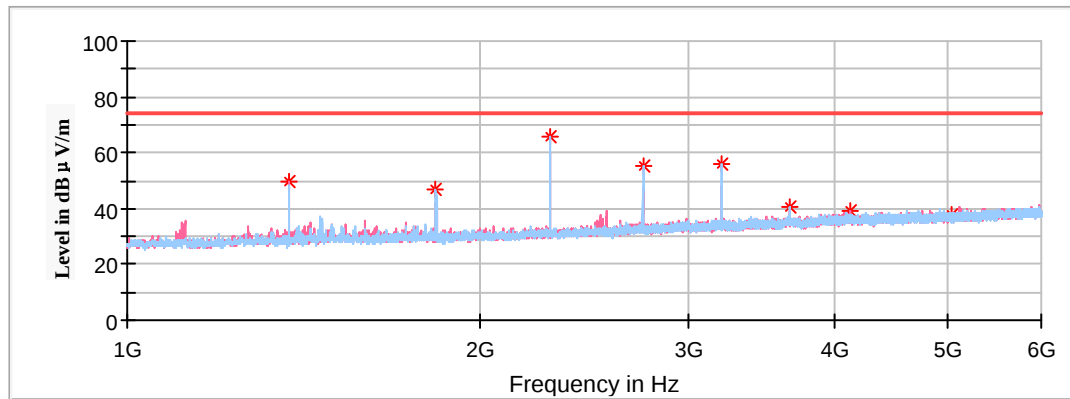
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 458.00          | 84.71                        | 100         | H           | -13.98                           | 70.73                        | 81.58                      | 10.85       |
| 916.00          | 57.64                        | 100         | H           | -13.98                           | 43.66                        | 61.58                      | 17.92       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1374.00         | 49.31               | 150         | V           | 86               | -17                     | 74.00          | 24.69       |
| 1832.00         | 47.08               | 150         | H           | 130              | -15.1                   | 81.58          | 34.50       |
| 2290.00         | 65.50               | 150         | H           | 59               | -13.3                   | 74.00          | 8.50        |
| 2748.00         | 55.22               | 150         | H           | 171              | -11.3                   | 74.00          | 18.78       |
| 3206.00         | 55.71               | 150         | H           | 191              | -9.6                    | 81.58          | 25.87       |
| 3664.00         | 40.62               | 150         | H           | 140              | -8.2                    | 74.00          | 33.38       |
| 4122.00         | 39.49               | 150         | V           | 34               | -6.8                    | 74.00          | 34.51       |
| 5038.00         | 37.62               | 150         | V           | 322              | -5.1                    | 74.00          | 36.38       |

## Field Strength of Average Emission

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1374.00            | 49.31                              | 150            | V              | -13.98                                 | 35.33                              | 54.00                         | 18.67          |
| 1832.00            | 47.08                              | 150            | H              | -13.98                                 | 33.10                              | 61.58                         | 28.48          |
| 2290.00            | 65.50                              | 150            | H              | -13.98                                 | 51.52                              | 54.00                         | 2.48           |
| 2748.00            | 55.22                              | 150            | H              | -13.98                                 | 41.24                              | 54.00                         | 12.76          |
| 3206.00            | 55.71                              | 150            | H              | -13.98                                 | 41.73                              | 61.58                         | 19.85          |
| 3664.00            | 40.62                              | 150            | H              | -13.98                                 | 26.64                              | 54.00                         | 27.36          |
| 4122.00            | 39.49                              | 150            | V              | -13.98                                 | 25.51                              | 54.00                         | 28.49          |
| 5038.00            | 37.62                              | 150            | V              | -13.98                                 | 23.64                              | 54.00                         | 30.36          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

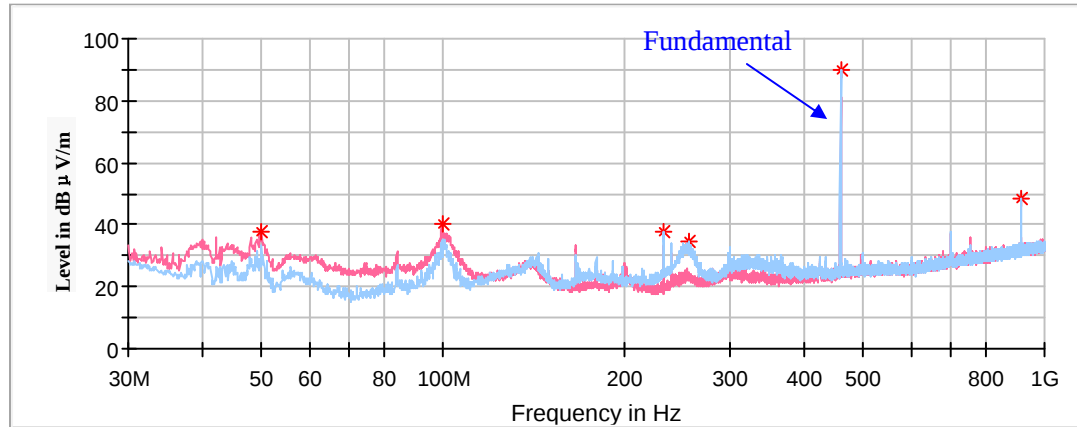
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Middle Channel: 458.0MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 37.49               | 100         | V           | 270              | -18.0                   | 61.58          | 24.09       |
| 99.71           | 40.18               | 100         | V           | 40               | -15.0                   | 61.58          | 21.40       |
| 232.36          | 37.64               | 100         | H           | 236              | -13.7                   | 61.58          | 23.94       |
| 256.01          | 34.29               | 100         | H           | 303              | -12.9                   | 43.50          | 9.21        |
| 458.00          | 89.81               | 100         | H           | 212              | -7.1                    | 101.58         | 11.77       |
| 916.00          | 48.73               | 100         | H           | 206              | 0.5                     | 81.58          | 32.85       |

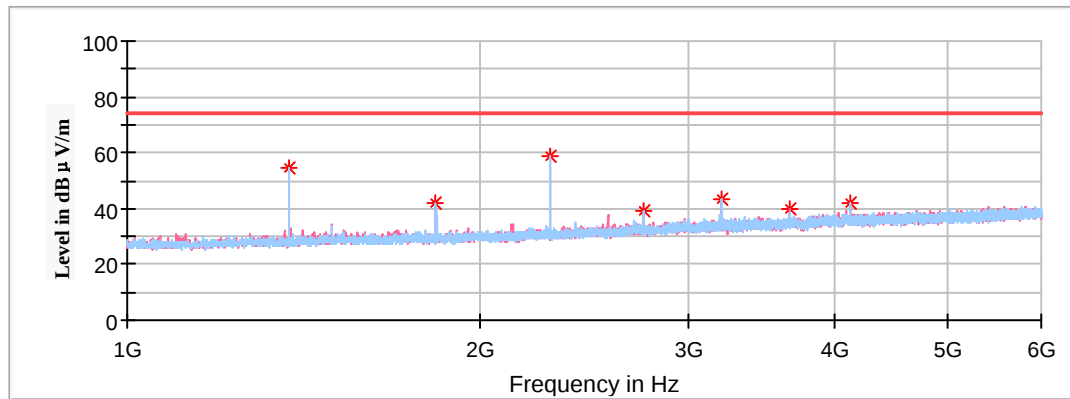
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 458.00          | 89.81                        | 100         | H           | -13.98                           | 75.83                        | 81.58                      | 5.75        |
| 916.00          | 48.73                        | 100         | H           | -13.98                           | 34.75                        | 61.58                      | 26.83       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1374.00            | 54.44                  | 150            | H              | 358                 | -17.0                         | 74.00             | 19.56          |
| 1832.00            | 41.77                  | 150            | H              | 131                 | -15.1                         | 81.58             | 39.81          |
| 2290.00            | 58.47                  | 150            | H              | 65                  | -13.3                         | 74.00             | 15.53          |
| 2748.00            | 38.88                  | 150            | H              | 172                 | -11.3                         | 74.00             | 35.12          |
| 3206.00            | 43.29                  | 150            | V              | 240                 | -9.6                          | 81.58             | 38.29          |
| 3664.00            | 40.19                  | 150            | V              | 17                  | -8.2                          | 74.00             | 33.81          |
| 4122.00            | 42.16                  | 150            | H              | 327                 | -6.8                          | 74.00             | 31.84          |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1374.00            | 54.44                                    | 150            | H              | -13.98                                 | 40.46                                    | 54.00                         | 13.54          |
| 1832.00            | 41.77                                    | 150            | H              | -13.98                                 | 27.79                                    | 61.58                         | 33.79          |
| 2290.00            | 58.47                                    | 150            | H              | -13.98                                 | 44.49                                    | 54.00                         | 9.51           |
| 2748.00            | 38.88                                    | 150            | H              | -13.98                                 | 24.90                                    | 54.00                         | 29.10          |
| 3206.00            | 43.29                                    | 150            | V              | -13.98                                 | 29.31                                    | 61.58                         | 32.27          |
| 3664.00            | 40.19                                    | 150            | V              | -13.98                                 | 26.21                                    | 54.00                         | 27.79          |
| 4122.00            | 42.16                                    | 150            | H              | -13.98                                 | 28.18                                    | 54.00                         | 25.82          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

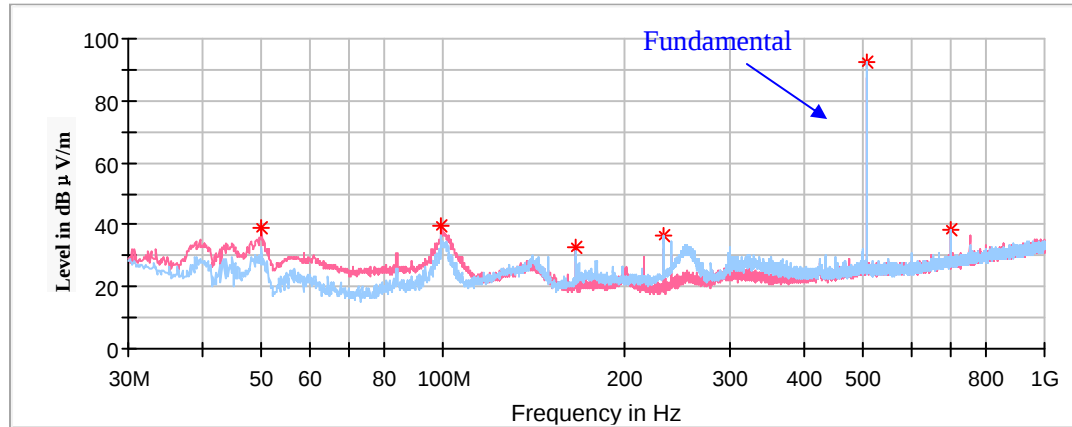
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**High Channel: 505.5MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 39.28               | 100         | V           | 184              | -12.2                   | 61.94          | 22.66       |
| 99.59           | 39.57               | 100         | H           | 0                | -10.1                   | 61.94          | 22.37       |
| 166.28          | 32.76               | 200         | H           | 307              | -6.1                    | 43.50          | 10.74       |
| 232.85          | 36.43               | 100         | V           | 111              | -4.4                    | 61.94          | 25.51       |
| 505.50          | 92.62               | 100         | H           | 359              | 1.5                     | 101.94         | 9.32        |
| 700.02          | 38.22               | 100         | H           | 180              | 2.1                     | 61.94          | 23.72       |

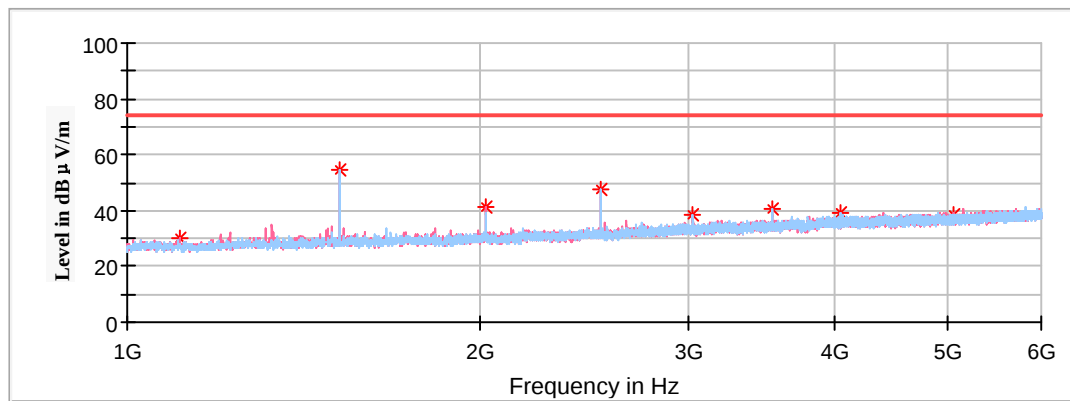
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 505.50          | 92.62                        | 200         | H           | -13.98                           | 78.64                        | 81.94                      | 3.30        |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1011.00            | 30.23                  | 150            | V              | 353                 | -18.5                         | 74.00             | 43.77          |
| 1516.50            | 54.35                  | 150            | H              | 146                 | -16.3                         | 74.00             | 19.65          |
| 2022.00            | 41.37                  | 150            | V              | 102                 | -14.4                         | 81.94             | 40.57          |
| 2527.50            | 47.46                  | 150            | H              | 54                  | -12.3                         | 81.94             | 34.48          |
| 3033.00            | 38.24                  | 150            | H              | 207                 | -10.0                         | 81.94             | 43.70          |
| 3538.50            | 40.42                  | 150            | H              | 197                 | -8.7                          | 81.94             | 41.52          |
| 4044.00            | 39.17                  | 150            | H              | 197                 | -6.9                          | 74.00             | 34.83          |
| 5055.00            | 38.39                  | 150            | H              | 75                  | -5.1                          | 74.00             | 35.61          |

## Field Strength of Average Emission

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1011.00            | 30.23                              | 150            | V              | -13.98                                 | 16.25                              | 54.00                         | 37.75          |
| 1516.50            | 54.35                              | 150            | H              | -13.98                                 | 40.37                              | 54.00                         | 13.63          |
| 2022.00            | 41.37                              | 150            | V              | -13.98                                 | 27.39                              | 61.94                         | 34.55          |
| 2527.50            | 47.46                              | 150            | H              | -13.98                                 | 33.48                              | 61.94                         | 28.46          |
| 3033.00            | 38.24                              | 150            | H              | -13.98                                 | 24.26                              | 61.94                         | 37.68          |
| 3538.50            | 40.42                              | 150            | H              | -13.98                                 | 26.44                              | 61.94                         | 35.50          |
| 4044.00            | 39.17                              | 150            | H              | -13.98                                 | 25.19                              | 54.00                         | 28.81          |
| 5055.00            | 38.39                              | 150            | H              | -13.98                                 | 24.41                              | 54.00                         | 29.59          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

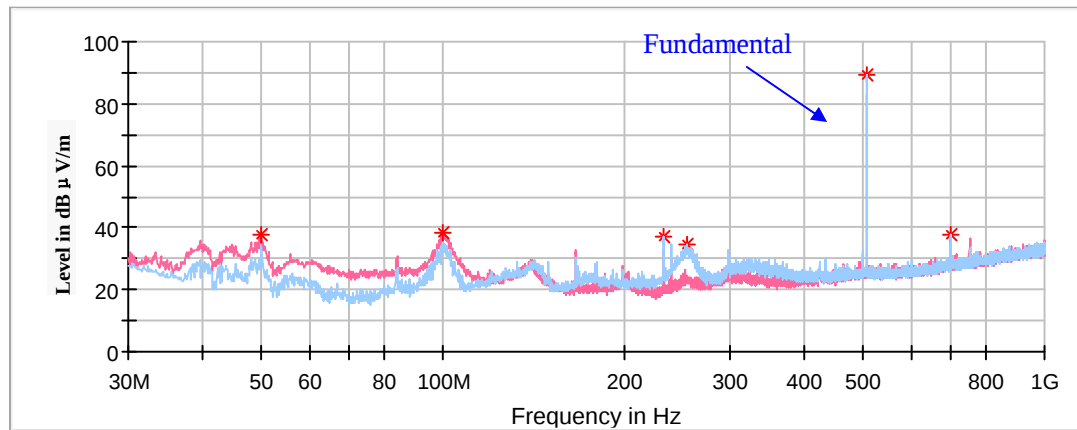
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**High Channel: 505.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 37.76               | 100         | V           | 184              | -12.2                   | 61.94          | 24.18       |
| 99.71           | 38.45               | 100         | H           | 0                | -10.1                   | 61.94          | 23.49       |
| 232.36          | 36.88               | 100         | H           | 307              | -6.1                    | 61.94          | 25.06       |
| 253.82          | 36.62               | 100         | V           | 111              | -4.4                    | 43.50          | 6.88        |
| 505.50          | 89.39               | 100         | H           | 359              | 1.5                     | 101.94         | 12.55       |
| 700.02          | 37.88               | 200         | H           | 180              | 2.1                     | 81.94          | 44.06       |

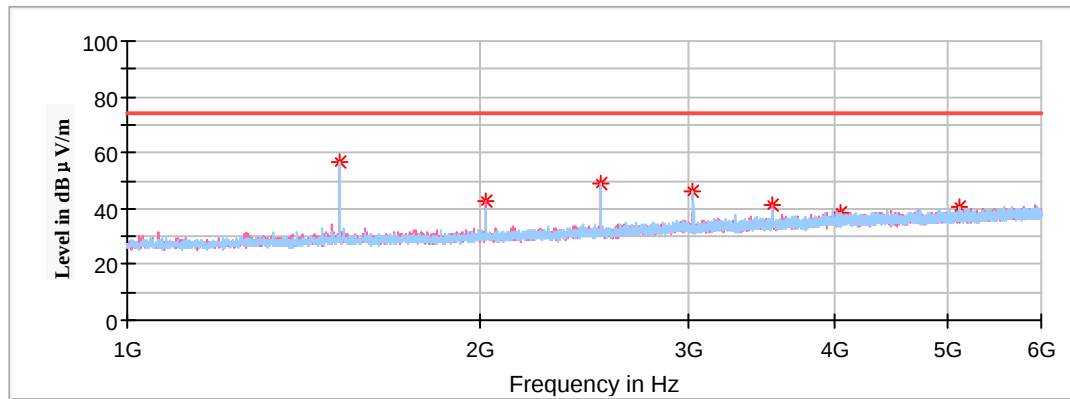
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 505.50          | 89.39                        | 100         | H           | -13.98                           | 75.41                        | 81.94                      | 6.53        |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1516.50            | 56.43                  | 150            | H              | 175                 | -16.3                         | 74.00             | 17.57          |
| 2022.00            | 42.37                  | 150            | V              | 85                  | -14.4                         | 81.94             | 39.57          |
| 2527.50            | 49.19                  | 150            | H              | 236                 | -12.3                         | 81.94             | 32.75          |
| 3033.00            | 46.46                  | 150            | H              | 53                  | -10.0                         | 81.94             | 35.48          |
| 3538.50            | 41.16                  | 150            | V              | 116                 | -8.7                          | 81.94             | 40.78          |
| 4044.00            | 38.45                  | 150            | H              | 155                 | -6.9                          | 74.00             | 35.55          |
| 5055.00            | 40.81                  | 150            | H              | 33                  | -4.9                          | 74.00             | 33.19          |

## Field Strength of Average Emission

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1516.50            | 56.43                                    | 150            | H              | -13.98                                 | 42.45                                    | 54.00                         | 11.55          |
| 2022.00            | 42.37                                    | 150            | V              | -13.98                                 | 28.39                                    | 61.94                         | 33.55          |
| 2527.50            | 49.19                                    | 150            | H              | -13.98                                 | 35.21                                    | 61.94                         | 26.73          |
| 3033.00            | 46.46                                    | 150            | H              | -13.98                                 | 32.48                                    | 61.94                         | 29.46          |
| 3538.50            | 41.16                                    | 150            | V              | -13.98                                 | 27.18                                    | 61.94                         | 34.76          |
| 4044.00            | 38.45                                    | 150            | H              | -13.98                                 | 24.47                                    | 54.00                         | 29.53          |
| 5055.00            | 40.81                                    | 150            | H              | -13.98                                 | 26.83                                    | 54.00                         | 27.17          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

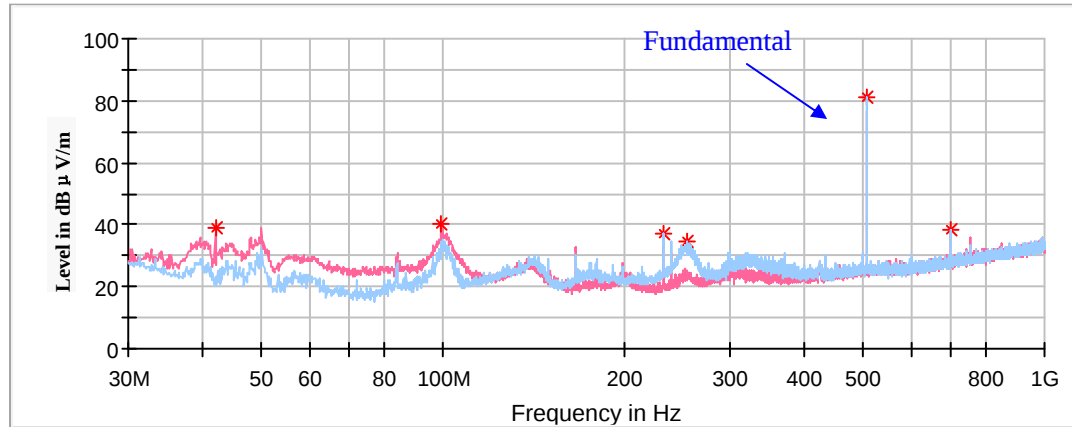
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**High Channel: 505.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



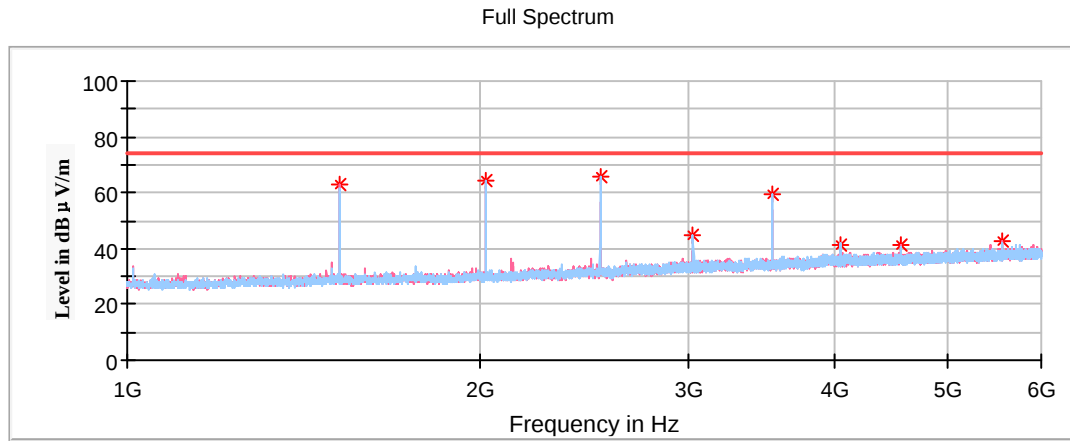
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 41.88           | 38.79               | 100         | V           | 326              | -12.5                   | 61.94          | 23.15       |
| 99.59           | 40.05               | 100         | V           | 358              | -15.1                   | 61.94          | 21.89       |
| 232.36          | 36.92               | 200         | H           | 234              | -13.7                   | 61.94          | 25.02       |
| 254.55          | 34.66               | 100         | H           | 301              | -13                     | 43.50          | 8.84        |
| 505.50          | 80.91               | 100         | H           | 125              | -6                      | 101.94         | 21.03       |
| 700.02          | 38.44               | 200         | H           | 184              | -3                      | 61.94          | 23.50       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 505.50          | 80.91                        | 100         | H           | -13.98                           | 66.93                        | 81.94                      | 15.01       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude    | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|--------------------|---------------------------|----------------|----------------|---------------------|-------------------------------|-------------------------|----------------|
|                    | MaxPeak<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                         |                |
| 1516.50            | 63.09                     | 150            | V              | 205                 | -16.3                         | 74.00                   | 10.91          |
| 2022.00            | 64.01                     | 150            | H              | 48                  | -14.4                         | 81.94                   | 17.93          |
| 2527.50            | 65.43                     | 150            | H              | 58                  | -12.3                         | 81.94                   | 16.51          |
| 3033.00            | 44.94                     | 150            | H              | 201                 | -10.0                         | 81.94                   | 37.00          |
| 3538.50            | 59.27                     | 150            | H              | 335                 | -8.7                          | 81.94                   | 22.67          |
| 4044.00            | 41.52                     | 150            | V              | 70                  | -6.9                          | 74.00                   | 32.48          |
| 4549.50            | 41.00                     | 150            | V              | 81                  | -6.1                          | 74.00                   | 33.00          |
| 5560.50            | 42.79                     | 150            | V              | 286                 | -3.8                          | 81.94                   | 39.15          |

## Field Strength of Average Emission

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1516.50            | 63.09                              | 150            | V              | -13.98                                 | 49.11                              | 54.00                         | 4.89           |
| 2022.00            | 64.01                              | 150            | H              | -13.98                                 | 50.03                              | 61.94                         | 11.91          |
| 2527.50            | 65.43                              | 150            | H              | -13.98                                 | 51.45                              | 61.94                         | 10.49          |
| 3033.00            | 44.94                              | 150            | H              | -13.98                                 | 30.96                              | 61.94                         | 30.98          |
| 3538.50            | 59.27                              | 150            | H              | -13.98                                 | 45.29                              | 61.94                         | 16.65          |
| 4044.00            | 41.52                              | 150            | V              | -13.98                                 | 27.54                              | 54.00                         | 26.46          |
| 4549.50            | 41.00                              | 150            | V              | -13.98                                 | 27.02                              | 54.00                         | 26.98          |
| 5560.50            | 42.79                              | 150            | V              | -13.98                                 | 28.81                              | 61.94                         | 33.13          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

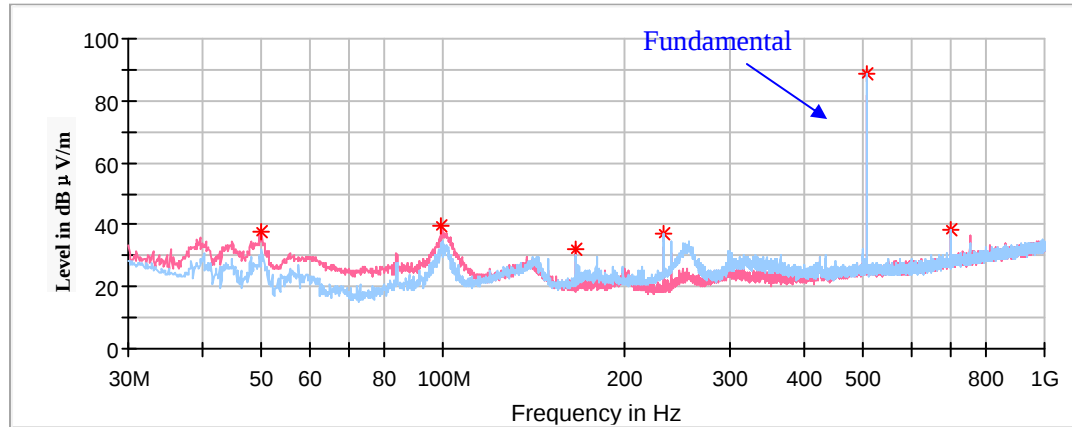
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**High Channel: 505.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 37.92               | 100         | V           | 295              | -18.0                   | 61.94          | 24.02       |
| 99.59           | 39.83               | 100         | V           | 3                | -15.1                   | 61.94          | 22.11       |
| 166.04          | 32.15               | 100         | V           | 142              | -13.0                   | 43.50          | 11.35       |
| 232.85          | 36.97               | 100         | H           | 270              | -13.7                   | 61.94          | 24.97       |
| 505.50          | 88.61               | 100         | H           | 217              | -6.0                    | 101.94         | 13.33       |
| 700.02          | 38.31               | 200         | H           | 189              | -3.0                    | 61.94          | 23.63       |

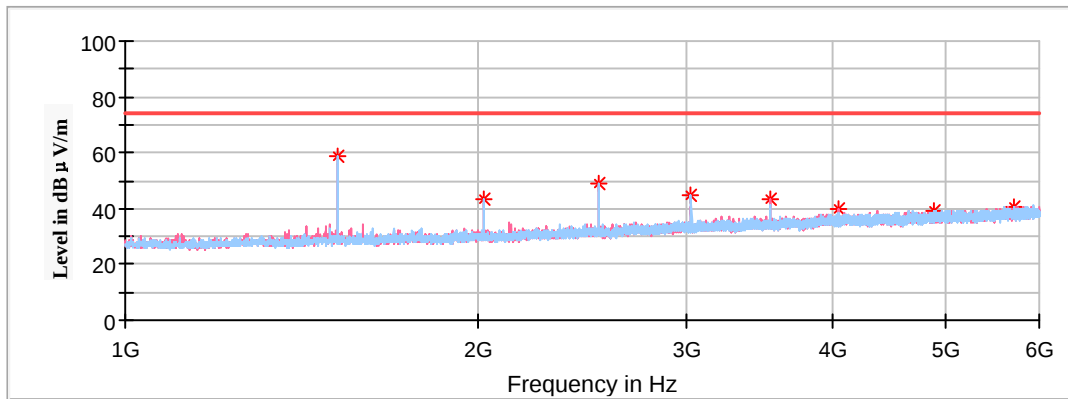
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 505.50          | 88.61                        | 100         | H           | -13.98                           | 74.63                        | 81.94                      | 7.31        |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1516.50         | 58.88               | 150         | H           | 146              | -16.3                   | 74.00          | 15.12       |
| 2022.00         | 43.03               | 150         | H           | 349              | -14.4                   | 81.94          | 38.91       |
| 2527.50         | 49.26               | 150         | H           | 115              | -12.3                   | 81.94          | 32.68       |
| 3033.00         | 44.63               | 150         | H           | 349              | -10.0                   | 81.94          | 37.31       |
| 3538.50         | 43.42               | 150         | V           | 245              | -8.7                    | 81.94          | 38.52       |
| 4044.00         | 39.70               | 150         | V           | 0                | -6.9                    | 74.00          | 34.30       |
| 4887.00         | 39.46               | 150         | H           | 290              | -5.4                    | 74.00          | 34.54       |
| 5713.50         | 40.84               | 150         | H           | 343              | -3.5                    | 81.94          | 41.10       |

## Field Strength of Average Emission

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1516.50            | 58.88                              | 150            | H              | -13.98                                 | 44.90                              | 54.00                         | 9.10           |
| 2022.00            | 43.03                              | 150            | H              | -13.98                                 | 29.05                              | 61.94                         | 32.89          |
| 2527.50            | 49.26                              | 150            | H              | -13.98                                 | 35.28                              | 61.94                         | 26.66          |
| 3033.00            | 44.63                              | 150            | H              | -13.98                                 | 30.65                              | 61.94                         | 31.29          |
| 3538.50            | 43.42                              | 150            | V              | -13.98                                 | 29.44                              | 61.94                         | 32.50          |
| 4044.00            | 39.70                              | 150            | V              | -13.98                                 | 25.72                              | 54.00                         | 28.28          |
| 4887.00            | 39.46                              | 150            | H              | -13.98                                 | 25.48                              | 54.00                         | 28.52          |
| 5713.50            | 40.84                              | 150            | H              | -13.98                                 | 26.86                              | 61.94                         | 35.08          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

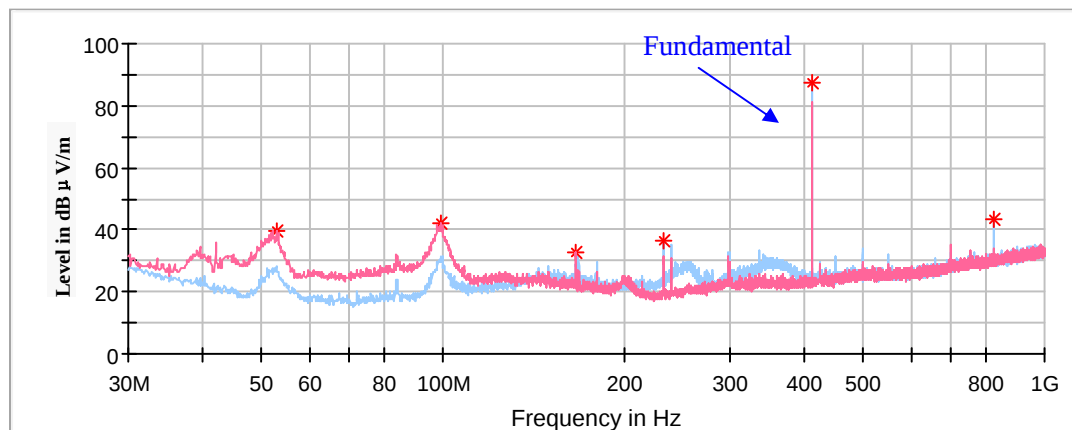
**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**For OOK Modulation:****Low Channel: 410.5MHz (ANT 1)****30MHz-1GHz***(Pre-scan in the X,Y and Z axes of orientation, the worst case Z-axis of orientation was recorded.)*

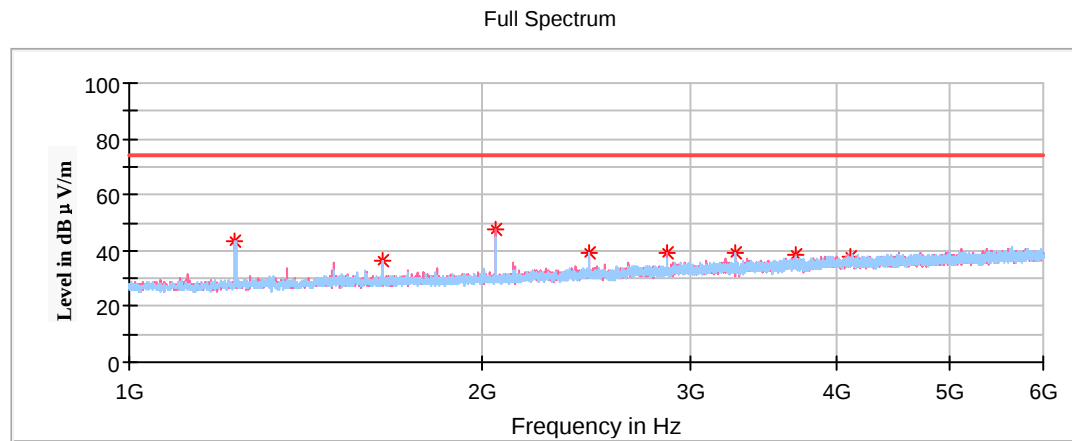
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 52.91           | 39.59               | 100         | V           | 293              | -18.0                   | 60.02          | 20.43       |
| 99.47           | 42.00               | 100         | V           | 27               | -15.1                   | 60.02          | 18.02       |
| 165.92          | 32.91               | 100         | V           | 167              | -13.0                   | 43.50          | 10.59       |
| 232.85          | 36.59               | 100         | H           | 217              | -13.7                   | 60.02          | 23.43       |
| 410.50          | 87.42               | 100         | H           | 333              | -8.3                    | 100.02         | 12.60       |
| 821.00          | 43.42               | 100         | H           | 339              | -1.1                    | 80.02          | 36.60       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 410.50          | 87.42                        | 100         | H           | -13.98                           | 73.44                        | 80.02                      | 6.58        |
| 821.00          | 43.42                        | 100         | H           | -13.98                           | 29.44                        | 60.02                      | 30.58       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1231.50            | 43.56                  | 150            | H              | 171                 | -17.8                         | 54.00             | 10.44          |
| 1642.00            | 36.42                  | 150            | H              | 161                 | -15.8                         | 60.02             | 23.60          |
| 2052.50            | 47.34                  | 150            | V              | 69                  | -14.3                         | 60.02             | 12.68          |
| 2463.00            | 39.49                  | 150            | H              | 171                 | -12.6                         | 60.02             | 20.53          |
| 2873.50            | 38.96                  | 150            | V              | 265                 | -10.7                         | 54.00             | 15.04          |
| 3284.00            | 39.48                  | 150            | H              | 161                 | -9.4                          | 60.02             | 20.54          |
| 3694.50            | 38.38                  | 150            | V              | 11                  | -8.1                          | 54.00             | 15.62          |
| 4105.00            | 37.64                  | 150            | V              | 0                   | -6.8                          | 54.00             | 16.36          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

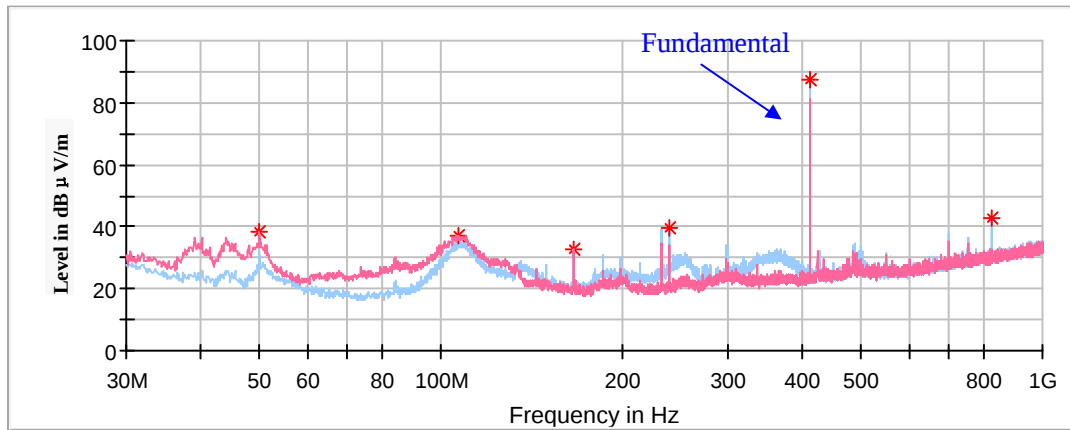
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 410.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



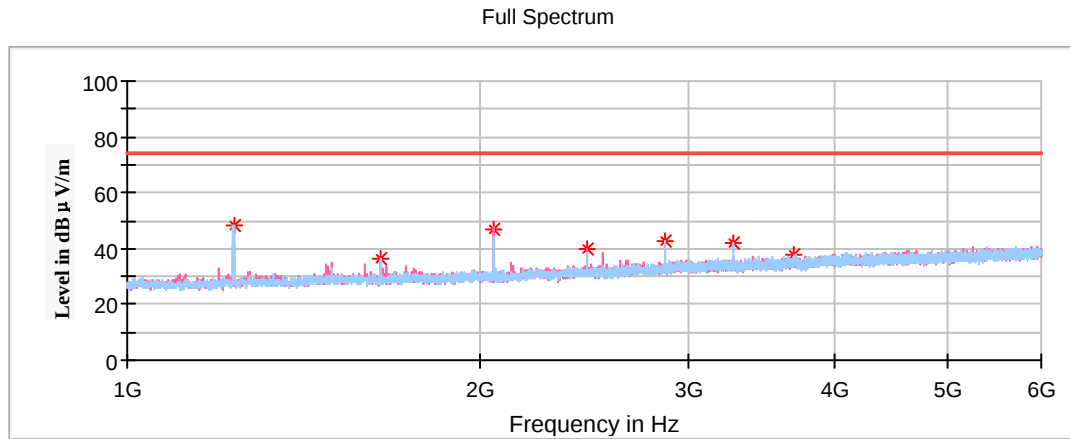
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 38.07               | 100         | V           | 67               | -18.0                   | 60.02          | 21.95       |
| 106.99          | 37.14               | 100         | V           | 243              | -13.9                   | 60.02          | 22.88       |
| 166.04          | 32.84               | 100         | V           | 98               | -13.0                   | 43.50          | 10.66       |
| 240.00          | 39.72               | 100         | H           | 83               | -13.5                   | 60.02          | 20.30       |
| 410.50          | 87.36               | 100         | H           | 8                | -8.3                    | 100.02         | 12.66       |
| 821.00          | 42.98               | 100         | H           | 357              | -1.1                    | 80.02          | 37.04       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 410.50          | 87.36                        | 100         | H           | -13.98                           | 73.38                        | 80.02                      | 6.64        |
| 821.00          | 42.98                        | 100         | H           | -13.98                           | 29.00                        | 60.02                      | 31.02       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1231.50         | 48.32               | 150         | H           | 69               | -17.8                   | 54.00          | 5.68        |
| 1642.00         | 36.48               | 150         | H           | 140              | -15.8                   | 60.02          | 23.54       |
| 2052.50         | 47.15               | 150         | V           | 54               | -14.3                   | 60.02          | 12.87       |
| 2463.00         | 40.11               | 150         | V           | 65               | -12.6                   | 60.02          | 19.91       |
| 2873.50         | 42.60               | 150         | H           | 49               | -10.7                   | 54.00          | 11.40       |
| 3284.00         | 41.86               | 150         | H           | 140              | -9.4                    | 60.02          | 18.16       |
| 3694.50         | 37.49               | 150         | V           | 25               | -8.1                    | 54.00          | 16.51       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

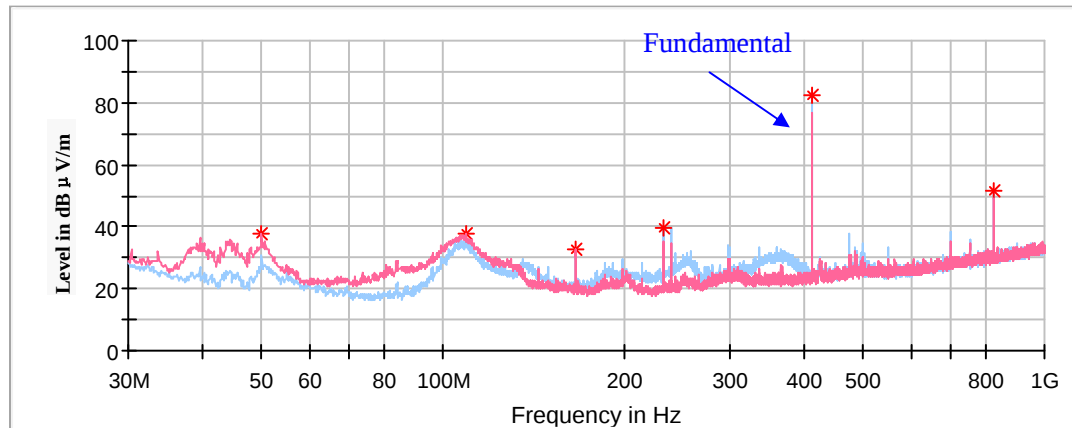
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 410.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



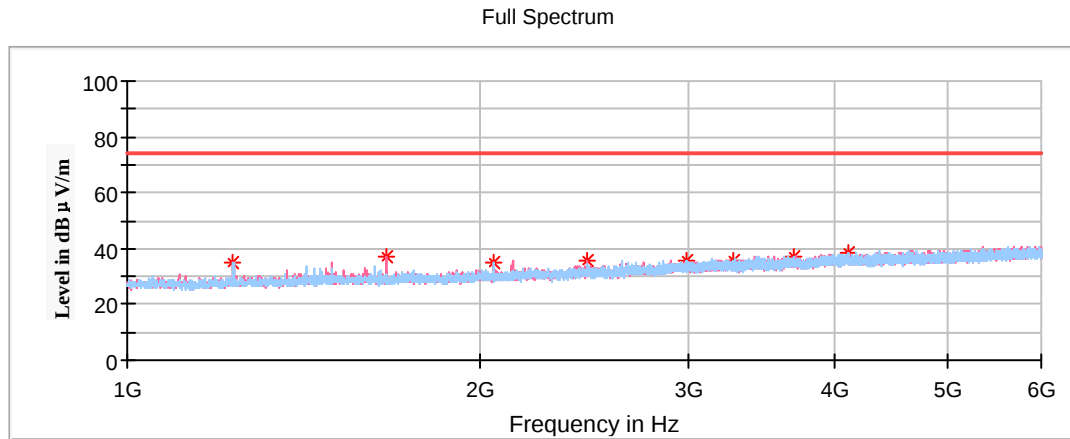
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 37.69               | 100         | V           | 109              | -18.0                   | 60.02          | 22.33       |
| 109.05          | 37.54               | 100         | V           | 250              | -13.6                   | 43.50          | 5.96        |
| 166.04          | 32.47               | 100         | V           | 121              | -13.0                   | 43.50          | 11.03       |
| 232.36          | 39.60               | 100         | H           | 65               | -13.7                   | 60.02          | 20.42       |
| 410.50          | 82.43               | 100         | H           | 151              | -8.3                    | 100.02         | 17.59       |
| 821.00          | 51.69               | 100         | H           | 151              | -1.1                    | 80.02          | 28.33       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 410.50          | 82.43                        | 100         | H           | -13.98                           | 68.45                        | 80.02                      | 11.57       |
| 821.00          | 51.69                        | 100         | H           | -13.98                           | 37.71                        | 60.02                      | 22.31       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1231.50         | 35.05               | 150         | H           | 171              | -17.8                   | 54.00          | 18.95       |
| 1642.00         | 36.79               | 150         | V           | 138              | -15.7                   | 60.02          | 23.23       |
| 2052.50         | 34.77               | 150         | V           | 44               | -14.3                   | 60.02          | 25.25       |
| 2463.00         | 35.60               | 150         | V           | 54               | -12.6                   | 60.02          | 24.42       |
| 2988.00         | 35.96               | 150         | H           | 150              | -10.2                   | 60.02          | 24.06       |
| 3284.00         | 36.00               | 150         | H           | 69               | -9.4                    | 60.02          | 24.02       |
| 3694.50         | 37.28               | 150         | H           | 10               | -8.1                    | 54.00          | 16.72       |
| 4105.00         | 38.67               | 150         | V           | 250              | -6.8                    | 54.00          | 15.33       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

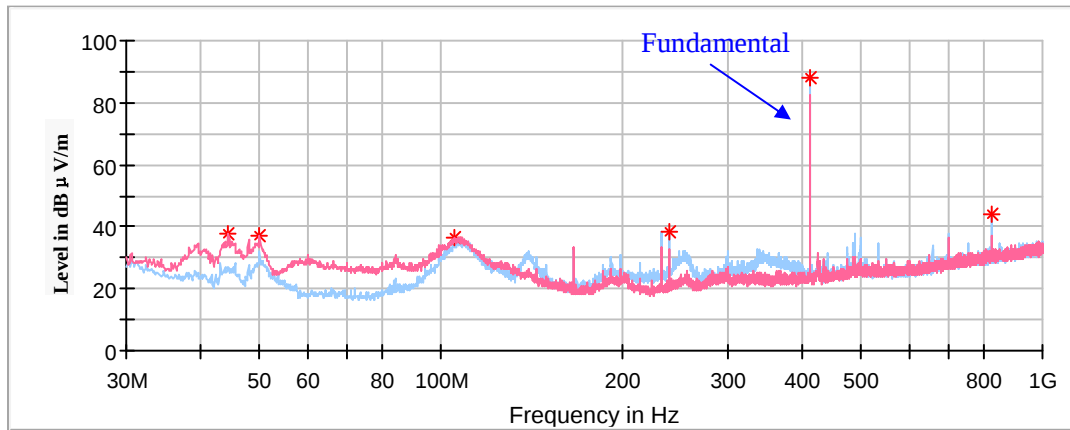
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 410.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



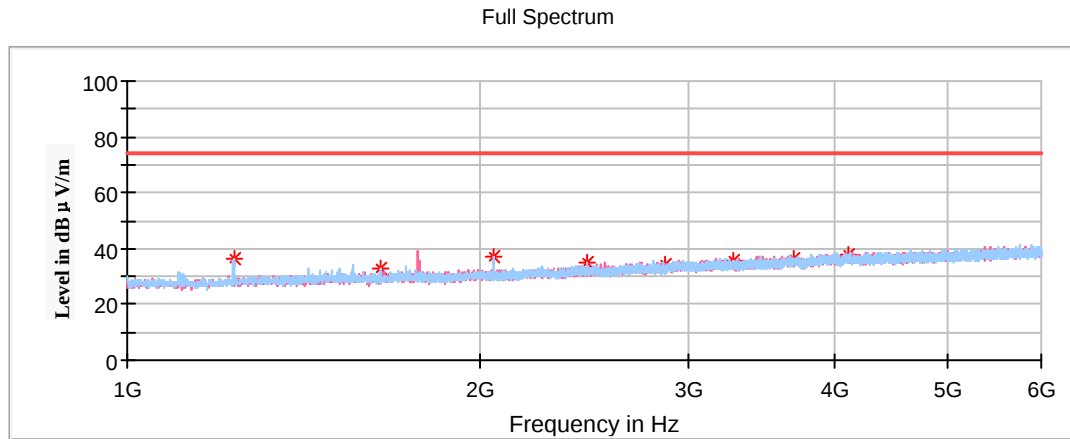
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.30           | 37.47               | 100         | V           | 148              | -14.2                   | 60.02          | 22.55       |
| 50.00           | 37.10               | 100         | V           | 111              | -18.0                   | 60.02          | 22.92       |
| 105.66          | 36.58               | 100         | V           | 238              | -14.1                   | 60.02          | 23.44       |
| 240.00          | 38.22               | 100         | H           | 84               | -13.5                   | 46.00          | 7.78        |
| 410.50          | 87.94               | 200         | H           | 28               | -8.3                    | 100.02         | 12.08       |
| 821.00          | 44.29               | 200         | H           | 34               | -1.1                    | 80.02          | 35.73       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 410.50          | 87.94                        | 200         | H           | -13.98                           | 73.96                        | 80.02                      | 6.06        |
| 821.00          | 44.29                        | 200         | H           | -13.98                           | 30.31                        | 60.02                      | 29.71       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1231.50            | 36.58                  | 200            | H              | 285                 | -17.8                         | 54.00             | 17.42          |
| 1642.00            | 32.62                  | 200            | H              | 137                 | -15.8                         | 60.02             | 27.40          |
| 2052.50            | 37.19                  | 200            | H              | 147                 | -14.3                         | 60.02             | 22.83          |
| 2463.00            | 35.06                  | 200            | H              | 305                 | -12.6                         | 60.02             | 24.96          |
| 2873.50            | 34.03                  | 150            | V              | 53                  | -10.7                         | 60.02             | 25.99          |
| 3284.00            | 35.87                  | 200            | V              | 66                  | -9.4                          | 60.02             | 24.15          |
| 3694.50            | 36.44                  | 200            | H              | 209                 | -8.1                          | 54.00             | 17.56          |
| 4105.00            | 37.95                  | 200            | H              | 33                  | -6.8                          | 54.00             | 16.05          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

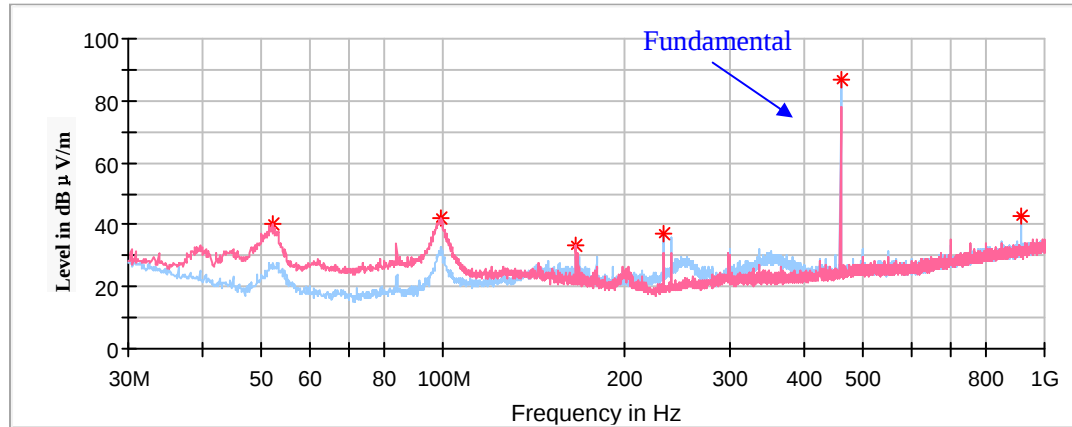
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 458.0MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



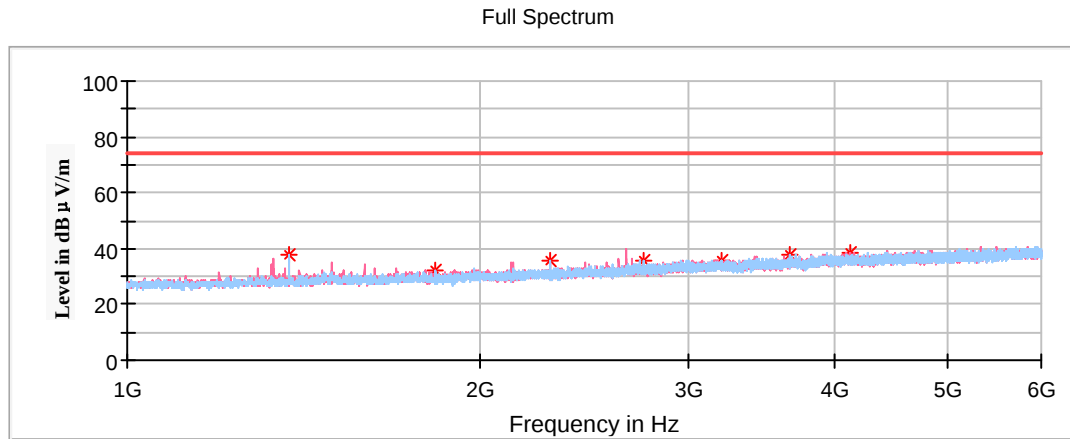
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 52.06           | 40.37               | 100         | V           | 304              | -18.0                   | 61.58          | 21.21       |
| 99.59           | 42.05               | 100         | V           | 34               | -15.1                   | 61.58          | 19.53       |
| 166.28          | 33.38               | 100         | V           | 161              | -13.0                   | 43.50          | 10.12       |
| 232.36          | 37.07               | 100         | H           | 248              | -13.7                   | 61.58          | 24.51       |
| 458.00          | 86.54               | 100         | H           | 308              | -7.1                    | 101.58         | 15.04       |
| 916.00          | 43.02               | 100         | H           | 308              | 0.5                     | 81.58          | 38.56       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 458.00          | 86.54                        | 100         | H           | -13.98                           | 72.56                        | 81.58                      | 9.02        |
| 916.00          | 43.02                        | 100         | H           | -13.98                           | 29.04                        | 61.58                      | 32.54       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1374.00         | 37.52               | 150         | H           | 349              | -17.0                   | 54.00          | 16.48       |
| 1832.00         | 32.06               | 150         | V           | 245              | -15.1                   | 61.58          | 29.52       |
| 2290.00         | 35.67               | 150         | H           | 358              | -13.3                   | 54.00          | 18.33       |
| 2748.00         | 35.44               | 150         | H           | 212              | -11.3                   | 54.00          | 18.56       |
| 3206.00         | 35.84               | 150         | H           | 358              | -9.6                    | 61.58          | 25.74       |
| 3664.00         | 37.78               | 150         | H           | 335              | -8.2                    | 54.00          | 16.22       |
| 4122.00         | 38.25               | 150         | V           | 204              | -6.8                    | 54.00          | 15.75       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

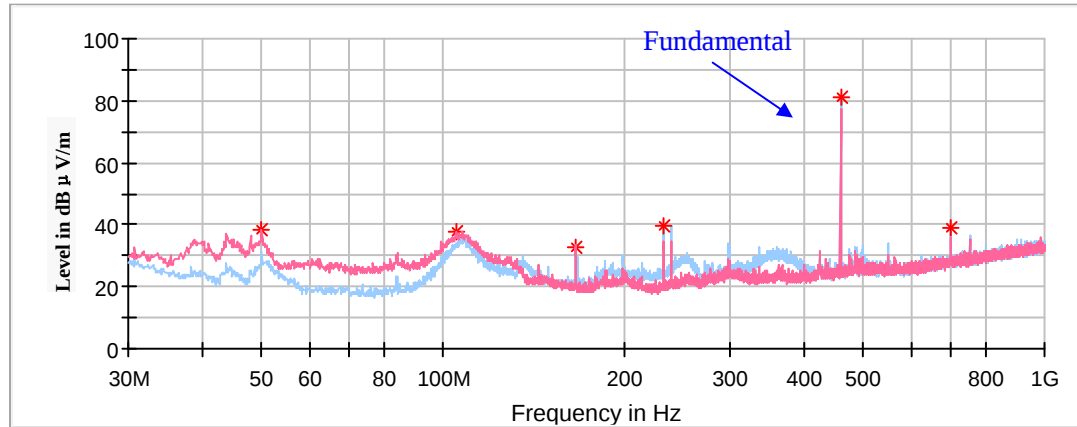
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 458.0MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 38.63               | 100         | V           | 69               | -18.0                   | 61.58          | 22.95       |
| 105.05          | 37.57               | 100         | V           | 300              | -14.2                   | 61.58          | 24.01       |
| 166.28          | 32.83               | 100         | V           | 114              | -13.0                   | 43.50          | 10.67       |
| 232.85          | 39.67               | 100         | H           | 60               | -13.7                   | 61.58          | 21.91       |
| 458.00          | 81.28               | 200         | H           | 269              | -7.1                    | 101.58         | 20.30       |
| 700.02          | 39.02               | 100         | H           | 352              | -3.0                    | 81.58          | 42.56       |

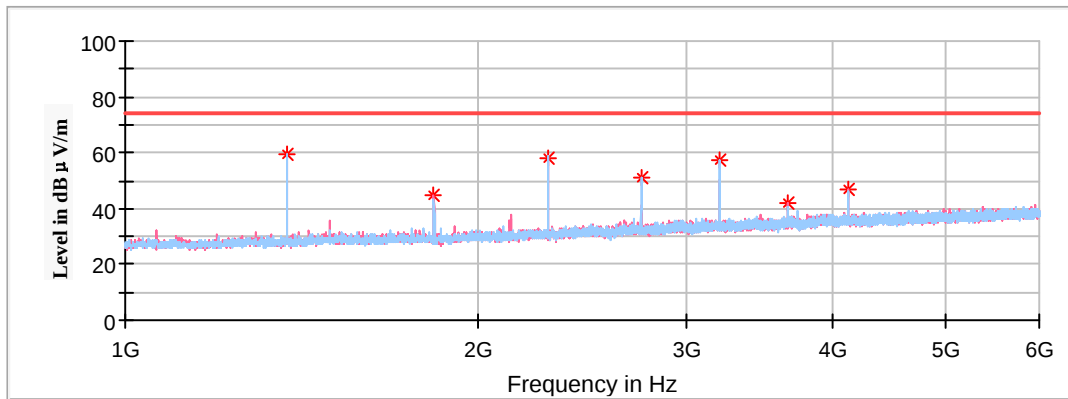
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 458.00          | 81.28                        | 200         | H           | -13.98                           | 67.30                        | 81.58                      | 14.28       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1374.00         | 59.27               | 150         | H           | 349              | -17.0                   | 74.00          | 14.73       |
| 1832.00         | 44.85               | 150         | V           | 65               | -15.1                   | 81.58          | 36.73       |
| 2290.00         | 57.98               | 150         | V           | 86               | -13.3                   | 74.00          | 16.02       |
| 2748.00         | 51.28               | 150         | H           | 53               | -11.3                   | 74.00          | 22.72       |
| 3206.00         | 57.58               | 150         | H           | 145              | -9.6                    | 81.58          | 24.00       |
| 3664.00         | 41.79               | 150         | V           | 6                | -8.2                    | 74.00          | 32.21       |
| 4122.00         | 46.71               | 150         | V           | 54               | -6.8                    | 74.00          | 27.29       |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1374.00            | 59.27                              | 150            | H              | -13.98                                 | 45.29                              | 54.00                         | 8.71           |
| 1832.00            | 44.85                              | 150            | V              | -13.98                                 | 30.87                              | 61.58                         | 30.71          |
| 2290.00            | 57.98                              | 150            | V              | -13.98                                 | 44.00                              | 54.00                         | 10.00          |
| 2748.00            | 51.28                              | 150            | H              | -13.98                                 | 37.30                              | 54.00                         | 16.70          |
| 3206.00            | 57.58                              | 150            | H              | -13.98                                 | 43.60                              | 61.58                         | 17.98          |
| 3664.00            | 41.79                              | 150            | V              | -13.98                                 | 27.81                              | 54.00                         | 26.19          |
| 4122.00            | 46.71                              | 150            | V              | -13.98                                 | 32.73                              | 54.00                         | 21.27          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

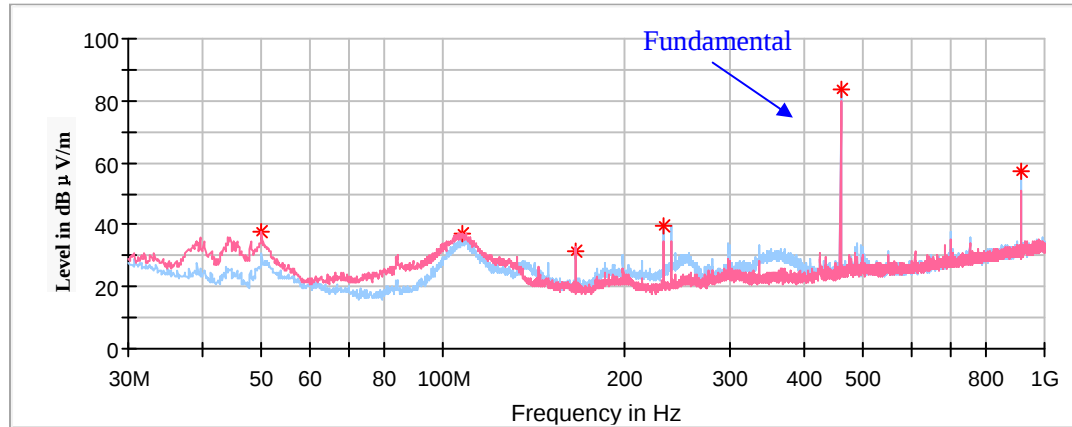
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Middle Channel: 458.0MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 37.73               | 100         | V           | 99               | -18.0                   | 61.58          | 23.85       |
| 107.60          | 37.39               | 100         | V           | 294              | -13.8                   | 61.58          | 24.19       |
| 166.04          | 31.66               | 100         | V           | 105              | -13.0                   | 43.50          | 11.84       |
| 232.36          | 39.48               | 100         | H           | 79               | -13.7                   | 61.58          | 22.10       |
| 458.00          | 83.82               | 200         | H           | 325              | -7.1                    | 101.58         | 17.76       |
| 916.00          | 57.20               | 100         | H           | 35               | 0.5                     | 81.58          | 24.38       |

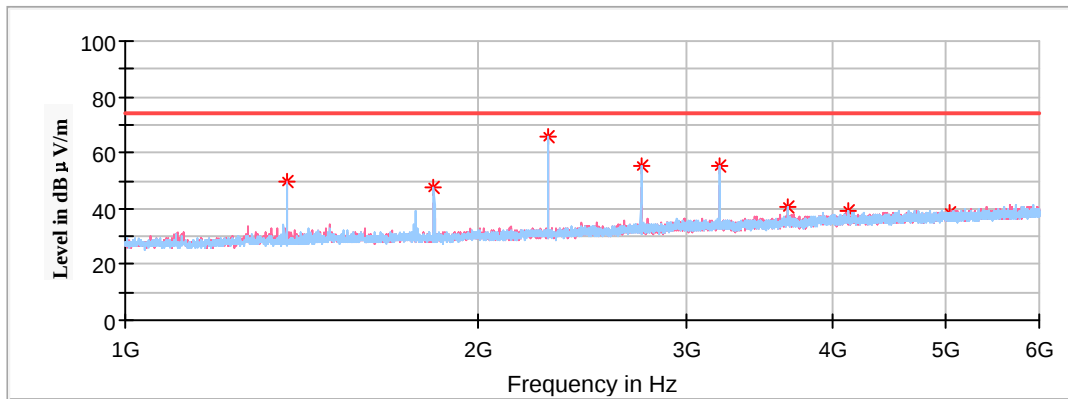
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 458.00          | 83.82                        | 200         | H           | -13.98                           | 69.84                        | 81.58                      | 11.74       |
| 916.00          | 57.20                        | 100         | H           | -13.98                           | 43.22                        | 61.58                      | 18.36       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1374.00         | 49.56               | 150         | V           | 65               | -17.0                   | 74.00          | 24.44       |
| 1832.00         | 47.44               | 150         | H           | 55               | -15.1                   | 81.58          | 34.14       |
| 2290.00         | 65.71               | 150         | H           | 45               | -13.3                   | 74.00          | 8.29        |
| 2748.00         | 55.00               | 150         | H           | 3                | -11.3                   | 74.00          | 19.00       |
| 3206.00         | 54.92               | 150         | H           | 207              | -9.6                    | 81.58          | 26.66       |
| 3664.00         | 40.76               | 150         | H           | 317              | -8.2                    | 74.00          | 33.24       |
| 4122.00         | 39.36               | 150         | V           | 225              | -6.8                    | 74.00          | 34.64       |
| 5038.00         | 38.41               | 150         | V           | 307              | -5.1                    | 74.00          | 35.59       |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1374.00            | 49.56                              | 150            | V              | -13.98                                 | 35.58                              | 54.00                         | 18.42          |
| 1832.00            | 47.44                              | 150            | H              | -13.98                                 | 33.46                              | 61.58                         | 28.12          |
| 2290.00            | 65.71                              | 150            | H              | -13.98                                 | 51.73                              | 54.00                         | 2.27           |
| 2748.00            | 55.00                              | 150            | H              | -13.98                                 | 41.02                              | 54.00                         | 12.98          |
| 3206.00            | 54.92                              | 150            | H              | -13.98                                 | 40.94                              | 61.58                         | 20.64          |
| 3664.00            | 40.76                              | 150            | H              | -13.98                                 | 26.78                              | 54.00                         | 27.22          |
| 4122.00            | 39.36                              | 150            | V              | -13.98                                 | 25.38                              | 54.00                         | 28.62          |
| 5038.00            | 38.41                              | 150            | V              | -13.98                                 | 24.43                              | 54.00                         | 29.57          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

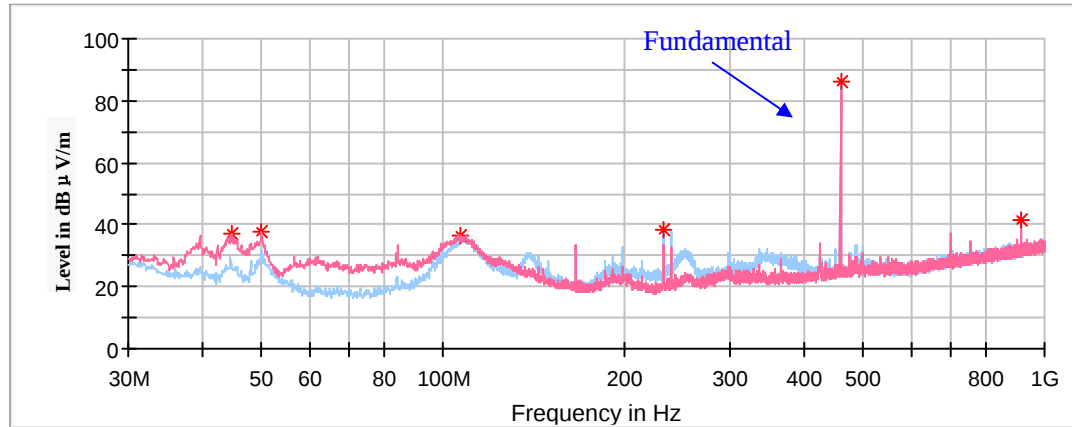
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Middle Channel: 458.0MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.42           | 37.08               | 100         | V           | 123              | -14.2                   | 61.58          | 24.50       |
| 50.00           | 37.52               | 200         | V           | 254              | -18.0                   | 61.58          | 24.06       |
| 106.99          | 36.65               | 100         | V           | 62               | -13.9                   | 61.58          | 24.93       |
| 232.36          | 38.60               | 100         | H           | 66               | -13.7                   | 61.58          | 22.98       |
| 458.00          | 86.45               | 200         | H           | 263              | -7.1                    | 101.58         | 15.13       |
| 916.00          | 41.71               | 200         | H           | 276              | 0.5                     | 81.58          | 39.87       |

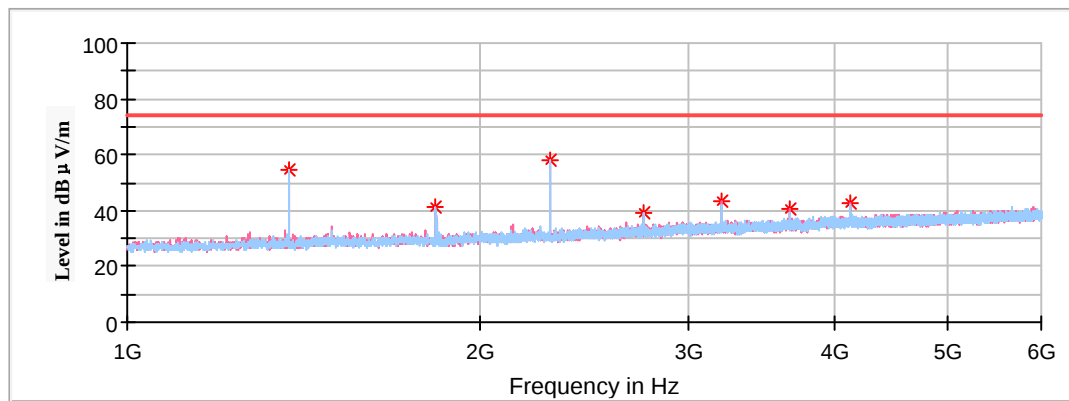
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 458.00          | 86.45                        | 200         | H           | -13.98                           | 72.47                        | 81.58                      | 9.11        |
| 916.00          | 41.71                        | 200         | H           | -13.98                           | 27.73                        | 61.58                      | 33.85       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1374.00         | 54.73               | 150         | H           | 349              | -17.0                   | 74.00          | 19.27       |
| 1832.00         | 41.25               | 150         | H           | 139              | -15.1                   | 81.58          | 40.33       |
| 2290.00         | 58.14               | 150         | H           | 58               | -13.3                   | 74.00          | 15.86       |
| 2748.00         | 38.83               | 150         | H           | 170              | -11.3                   | 74.00          | 35.17       |
| 3206.00         | 43.45               | 150         | V           | 271              | -9.6                    | 81.58          | 38.13       |
| 3664.00         | 40.25               | 150         | V           | 6                | -8.2                    | 74.00          | 33.75       |
| 4122.00         | 42.47               | 150         | V           | 359              | -6.8                    | 74.00          | 31.53       |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1374.00            | 54.73                                    | 150            | H              | -13.98                                 | 40.75                                    | 54.00                         | 13.25          |
| 1832.00            | 41.25                                    | 150            | H              | -13.98                                 | 27.27                                    | 61.58                         | 34.31          |
| 2290.00            | 58.14                                    | 150            | H              | -13.98                                 | 44.16                                    | 54.00                         | 9.84           |
| 2748.00            | 38.83                                    | 150            | H              | -13.98                                 | 24.85                                    | 54.00                         | 29.15          |
| 3206.00            | 43.45                                    | 150            | V              | -13.98                                 | 29.47                                    | 61.58                         | 32.11          |
| 3664.00            | 40.25                                    | 150            | V              | -13.98                                 | 26.27                                    | 54.00                         | 27.73          |
| 4122.00            | 42.47                                    | 150            | V              | -13.98                                 | 28.49                                    | 54.00                         | 25.51          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

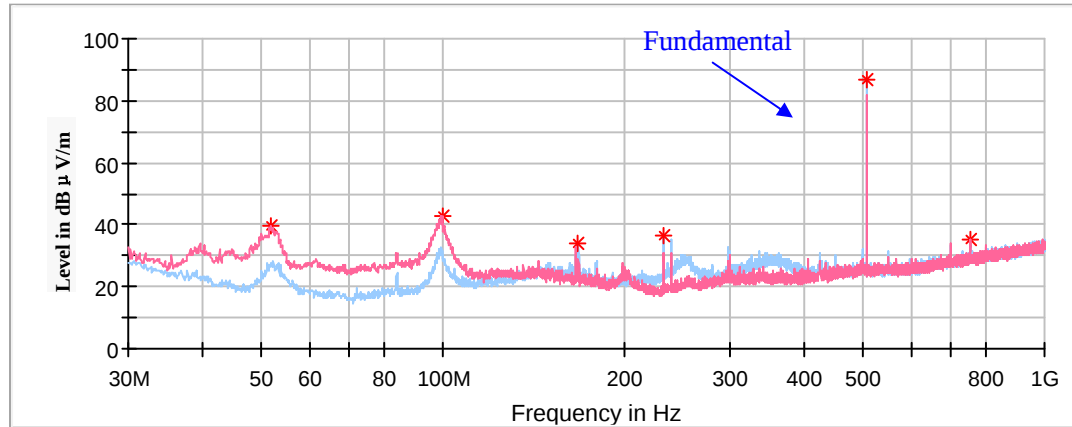
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**High Channel: 505.5MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



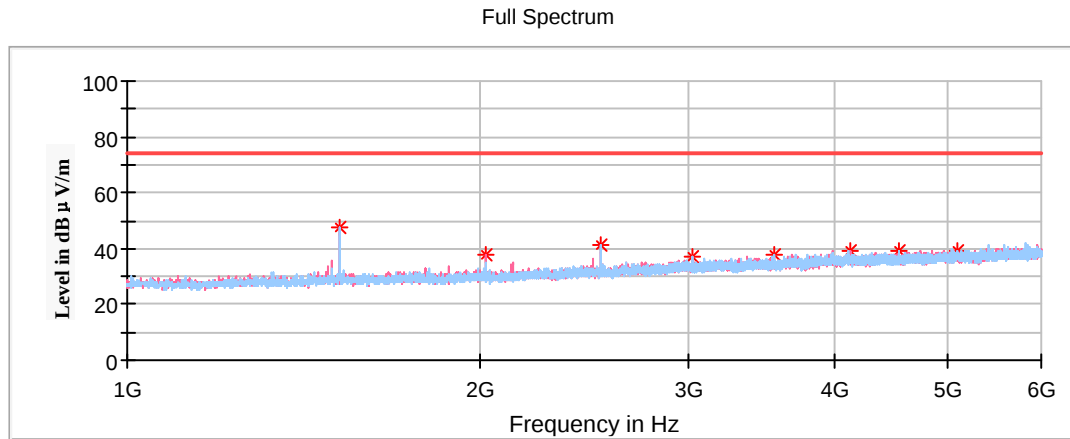
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 51.82           | 39.65               | 100         | V           | 259              | -18.0                   | 61.94          | 22.29       |
| 99.71           | 43.05               | 100         | H           | 38               | -15.0                   | 61.94          | 18.89       |
| 167.98          | 33.89               | 200         | H           | 358              | -13.1                   | 43.50          | 9.61        |
| 232.85          | 36.61               | 100         | H           | 249              | -13.7                   | 61.94          | 25.33       |
| 505.50          | 86.82               | 100         | H           | 303              | -6.0                    | 101.94         | 15.12       |
| 750.10          | 35.30               | 100         | V           | 307              | -2.2                    | 61.94          | 26.64       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 505.50          | 86.82                        | 100         | H           | -13.98                           | 72.84                        | 81.94                      | 9.10        |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1516.50         | 47.53               | 150         | H           | 125              | -16.3                   | 54.00          | 6.47        |
| 2022.00         | 37.51               | 150         | V           | 97               | -14.4                   | 61.94          | 24.43       |
| 2527.50         | 41.28               | 150         | H           | 54               | -12.3                   | 61.94          | 20.66       |
| 3033.00         | 37.25               | 150         | V           | 266              | -10.0                   | 61.94          | 24.69       |
| 3538.50         | 37.78               | 150         | H           | 7                | -8.6                    | 61.94          | 24.16       |
| 4130.50         | 38.95               | 150         | V           | 25               | -6.8                    | 54.00          | 15.05       |
| 4549.50         | 38.98               | 150         | H           | 145              | -6.1                    | 54.00          | 15.02       |
| 5055.00         | 39.47               | 150         | H           | 206              | -5.0                    | 54.00          | 14.53       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

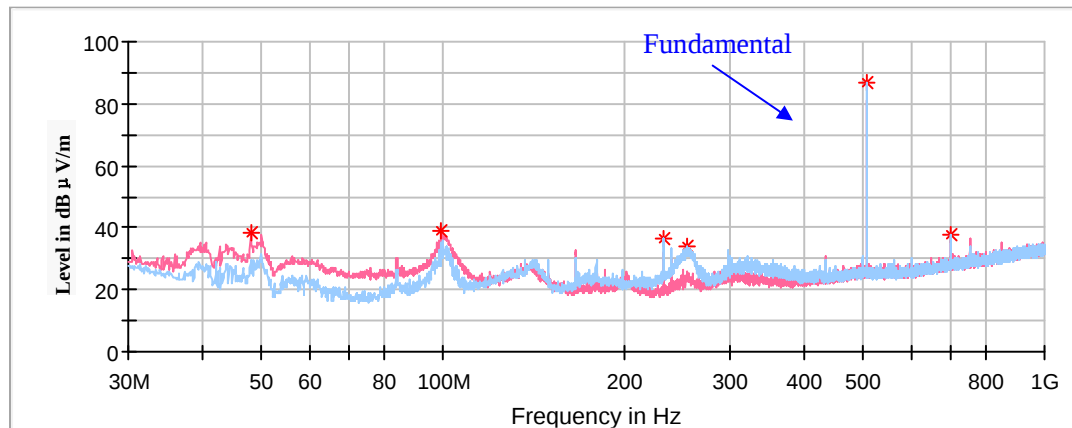
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 505.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



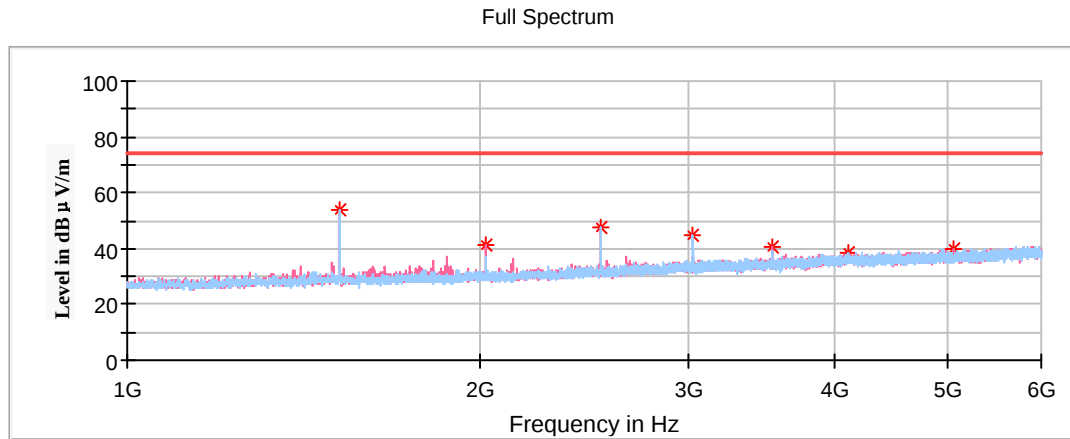
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 47.94           | 38.07               | 100         | V           | 295              | -16.6                   | 61.94          | 23.87       |
| 99.47           | 38.80               | 100         | V           | 32               | -15.1                   | 61.94          | 23.14       |
| 232.36          | 36.52               | 100         | H           | 228              | -13.7                   | 61.94          | 25.42       |
| 254.67          | 33.65               | 100         | H           | 289              | -13.0                   | 46.00          | 12.35       |
| 505.50          | 87.10               | 100         | H           | 222              | -6.0                    | 101.94         | 14.84       |
| 700.02          | 37.67               | 200         | H           | 194              | -3.0                    | 61.94          | 24.27       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 505.50          | 87.10                        | 100         | H           | -13.98                           | 73.12                        | 81.94                      | 8.82        |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1516.50            | 53.85                  | 150            | H              | 166                 | -16.3                         | 54.00             | 0.15           |
| 2022.00            | 41.40                  | 150            | V              | 97                  | -14.4                         | 61.94             | 20.54          |
| 2527.50            | 47.24                  | 150            | H              | 64                  | -12.3                         | 61.94             | 14.70          |
| 3033.00            | 44.95                  | 150            | H              | 54                  | -10.0                         | 61.94             | 16.99          |
| 3538.50            | 40.36                  | 150            | V              | 245                 | -8.7                          | 61.94             | 21.58          |
| 4112.00            | 38.50                  | 150            | H              | 166                 | -6.8                          | 54.00             | 15.50          |
| 5055.00            | 39.91                  | 150            | V              | 43                  | -5.0                          | 54.00             | 14.09          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

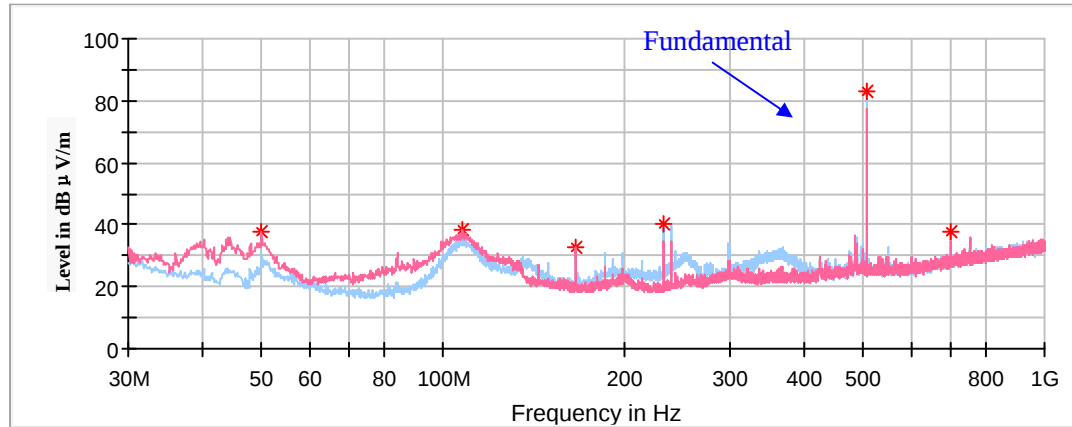
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 505.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 50.00           | 37.88               | 100         | V           | 91               | -18.0                   | 61.94          | 24.06       |
| 107.72          | 38.10               | 100         | V           | 289              | -13.8                   | 61.94          | 23.84       |
| 166.28          | 32.56               | 100         | V           | 135              | -13.0                   | 43.50          | 10.94       |
| 232.73          | 40.15               | 100         | H           | 85               | -13.7                   | 61.94          | 21.79       |
| 505.50          | 82.85               | 200         | H           | 339              | -6.0                    | 101.94         | 19.09       |
| 700.02          | 37.68               | 100         | H           | 359              | -3.0                    | 61.94          | 24.26       |

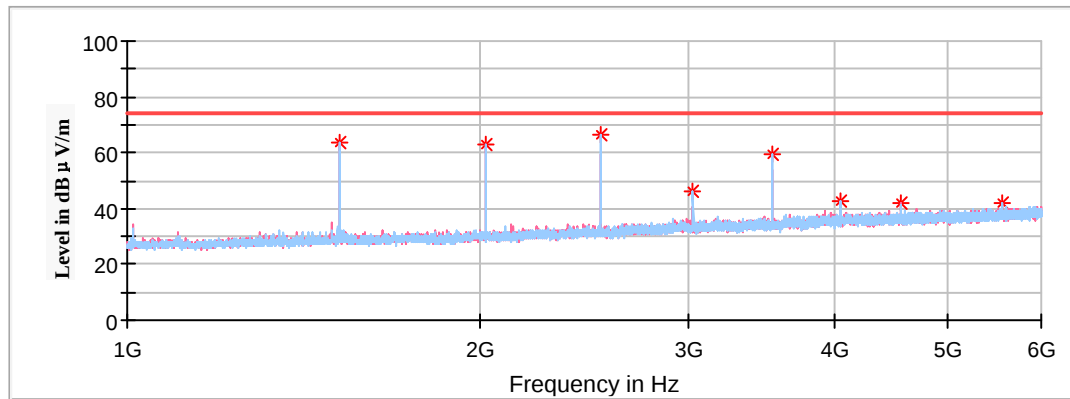
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 505.50          | 82.85                        | 200         | H           | -13.98                           | 68.87                        | 81.94                      | 13.07       |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1516.50         | 63.30               | 150         | H           | 212              | -16.3                   | 74.00          | 10.70       |
| 2022.00         | 63.12               | 150         | H           | 54               | -14.4                   | 81.94          | 18.82       |
| 2527.50         | 66.13               | 150         | H           | 54               | -12.3                   | 81.94          | 15.81       |
| 3033.00         | 46.16               | 150         | H           | 186              | -10.0                   | 81.94          | 35.78       |
| 3538.50         | 59.50               | 150         | H           | 335              | -8.7                    | 81.94          | 22.44       |
| 4044.00         | 42.59               | 150         | V           | 76               | -6.9                    | 74.00          | 31.41       |
| 4549.50         | 41.75               | 150         | V           | 266              | -6.1                    | 74.00          | 32.25       |
| 5560.50         | 42.03               | 150         | V           | 86               | -3.8                    | 81.94          | 39.91       |

## Field Strength of Average Emission

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1516.50            | 63.30                                    | 150            | H              | -13.98                                 | 49.32                                    | 54.00                         | 4.68           |
| 2022.00            | 63.12                                    | 150            | H              | -13.98                                 | 49.14                                    | 61.94                         | 12.80          |
| 2527.50            | 66.13                                    | 150            | H              | -13.98                                 | 52.15                                    | 61.94                         | 9.79           |
| 3033.00            | 46.16                                    | 150            | H              | -13.98                                 | 32.18                                    | 61.94                         | 29.76          |
| 3538.50            | 59.50                                    | 150            | H              | -13.98                                 | 45.52                                    | 61.94                         | 16.42          |
| 4044.00            | 42.59                                    | 150            | V              | -13.98                                 | 28.61                                    | 54.00                         | 25.39          |
| 4549.50            | 41.75                                    | 150            | V              | -13.98                                 | 27.77                                    | 54.00                         | 26.23          |
| 5560.50            | 42.03                                    | 150            | V              | -13.98                                 | 28.05                                    | 61.94                         | 33.89          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

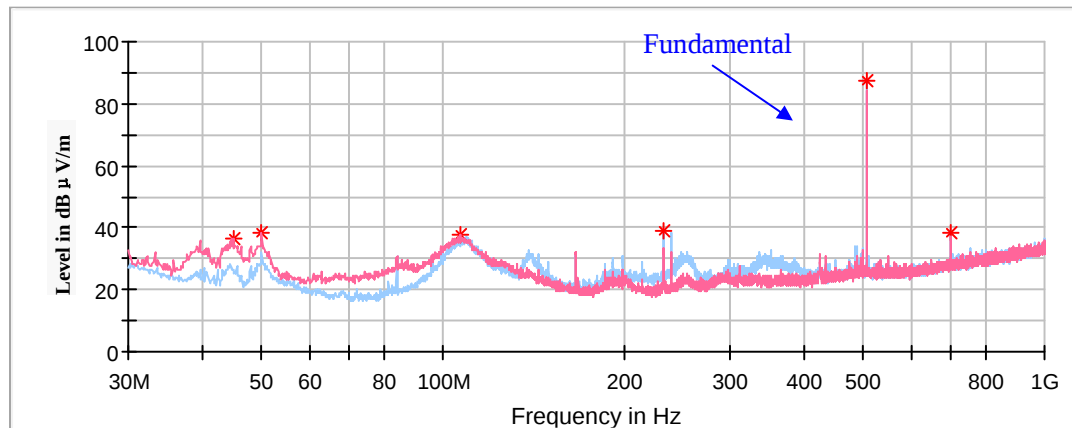
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**High Channel: 505.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.79           | 36.18               | 100         | V           | 85               | -14.5                   | 61.94          | 25.76       |
| 50.00           | 38.56               | 100         | V           | 67               | -18.0                   | 61.94          | 23.38       |
| 106.99          | 37.59               | 100         | V           | 85               | -13.9                   | 61.54          | 23.95       |
| 232.85          | 38.83               | 100         | H           | 70               | -13.7                   | 61.94          | 23.11       |
| 505.50          | 87.43               | 200         | H           | 352              | -6.0                    | 101.94         | 14.51       |
| 700.02          | 38.20               | 100         | H           | 343              | -3.0                    | 61.94          | 23.74       |

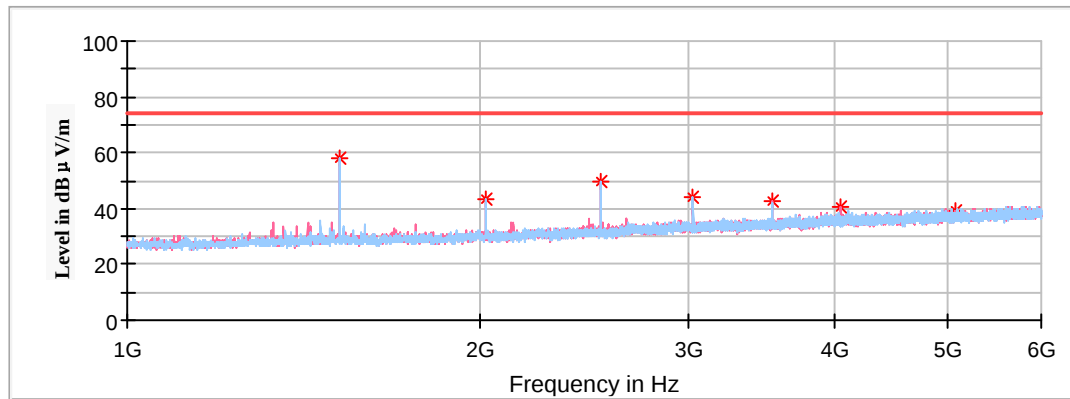
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 505.50          | 87.43                        | 200         | H           | -13.98                           | 73.45                        | 81.94                      | 8.49        |

**1GHz-6GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1516.50         | 58.29               | 150         | H           | 126              | -16.3                   | 74.00          | 15.71       |
| 2022.00         | 43.25               | 150         | H           | 357              | -14.4                   | 81.94          | 38.69       |
| 2527.50         | 49.34               | 150         | H           | 136              | -12.3                   | 81.94          | 32.60       |
| 3033.00         | 43.94               | 150         | H           | 352              | -10.0                   | 81.94          | 38.00       |
| 3538.50         | 42.48               | 150         | V           | 245              | -8.7                    | 81.94          | 39.46       |
| 4044.00         | 40.28               | 150         | V           | 0                | -6.9                    | 74.00          | 33.72       |
| 5055.00         | 39.39               | 150         | V           | 327              | -5.0                    | 74.00          | 34.61       |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1516.50            | 58.29                                    | 150            | H              | -13.98                                 | 44.31                                    | 54.00                         | 9.69           |
| 2022.00            | 43.25                                    | 150            | H              | -13.98                                 | 29.27                                    | 61.94                         | 32.67          |
| 2527.50            | 49.34                                    | 150            | H              | -13.98                                 | 35.36                                    | 61.94                         | 26.58          |
| 3033.00            | 43.94                                    | 150            | H              | -13.98                                 | 29.96                                    | 61.94                         | 31.98          |
| 3538.50            | 42.48                                    | 150            | V              | -13.98                                 | 28.50                                    | 61.94                         | 33.44          |
| 4044.00            | 40.28                                    | 150            | V              | -13.98                                 | 26.30                                    | 54.00                         | 27.70          |
| 5055.00            | 39.39                                    | 150            | V              | -13.98                                 | 25.41                                    | 54.00                         | 28.59          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**For PoE power supply:**

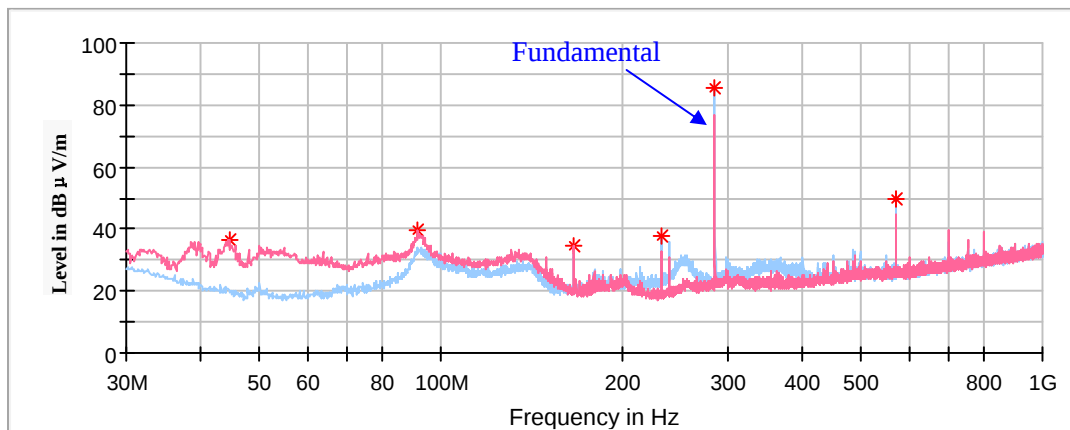
**For 300MHz Band:**

**For GFSK Modulation:**

**Low Channel: 285.5MHz (ANT 1)**

**30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



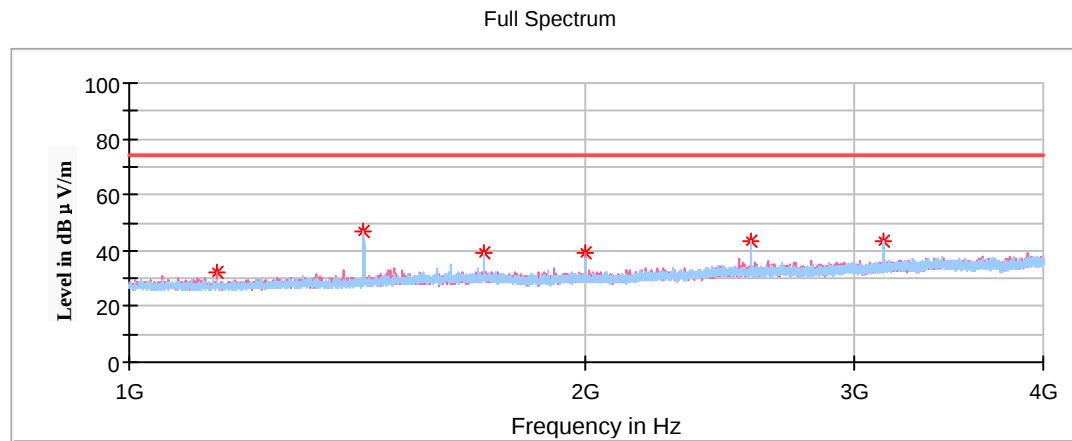
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.42           | 36.48               | 100         | V           | 137              | -14.2                   | 53.65          | 17.17       |
| 91.71           | 39.49               | 100         | V           | 101              | -17.1                   | 53.65          | 14.16       |
| 166.28          | 34.34               | 100         | V           | 155              | -13.0                   | 43.50          | 9.16        |
| 232.85          | 37.44               | 100         | H           | 263              | -13.7                   | 53.65          | 16.21       |
| 285.50          | 85.47               | 100         | H           | 332              | -11.6                   | 93.65          | 8.18        |
| 571.01          | 49.59               | 200         | H           | 341              | -5.7                    | 73.65          | 24.06       |

#### Field Strength of Average Emission

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 285.50          | 85.47                        | 100         | H           | -13.98                           | 71.49                        | 73.65                      | 2.16        |
| 571.00          | 49.59                        | 200         | H           | -13.98                           | 35.61                        | 53.65                      | 18.04       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1142.00            | 32.51                  | 150            | V              | 63                  | -18.3                         | 54.00             | 21.49          |
| 1427.50            | 46.92                  | 150            | H              | 154                 | -16.8                         | 54.00             | 7.08           |
| 1713.00            | 39.13                  | 150            | H              | 164                 | -15.6                         | 54.00             | 14.87          |
| 1998.50            | 39.49                  | 150            | V              | 262                 | -14.5                         | 54.00             | 14.51          |
| 2569.50            | 43.03                  | 150            | H              | 57                  | -12.1                         | 54.00             | 10.97          |
| 3140.50            | 43.59                  | 150            | H              | 349                 | -9.7                          | 54.00             | 10.41          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

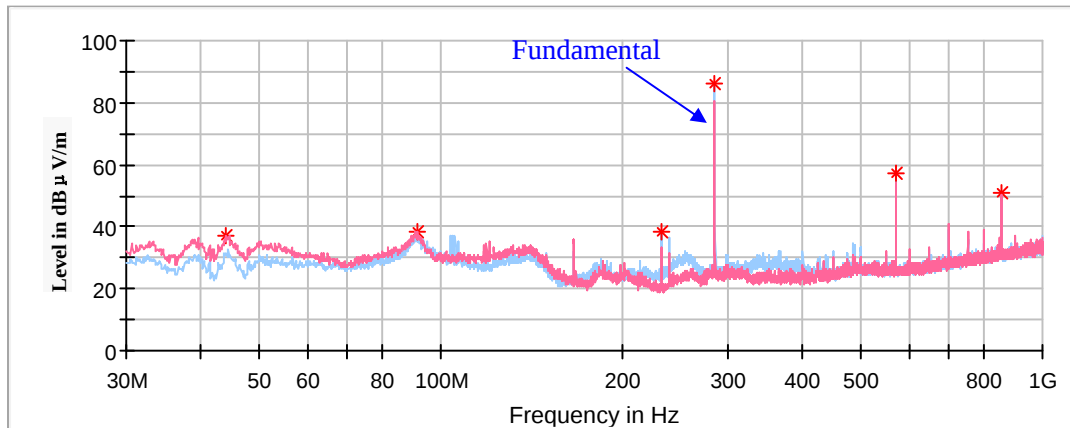
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 285.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.06           | 36.99               | 100         | V           | 113              | -14.0                   | 53.65          | 16.66       |
| 91.35           | 38.51               | 100         | V           | 299              | -17.2                   | 53.65          | 15.14       |
| 232.36          | 38.37               | 200         | H           | 228              | -13.7                   | 53.65          | 15.28       |
| 285.50          | 86.45               | 100         | H           | 78               | -11.6                   | 93.65          | 7.20        |
| 571.00          | 57.40               | 200         | H           | 22               | -5.7                    | 73.65          | 16.25       |
| 856.50          | 51.02               | 100         | H           | 171              | -0.5                    | 73.65          | 22.63       |

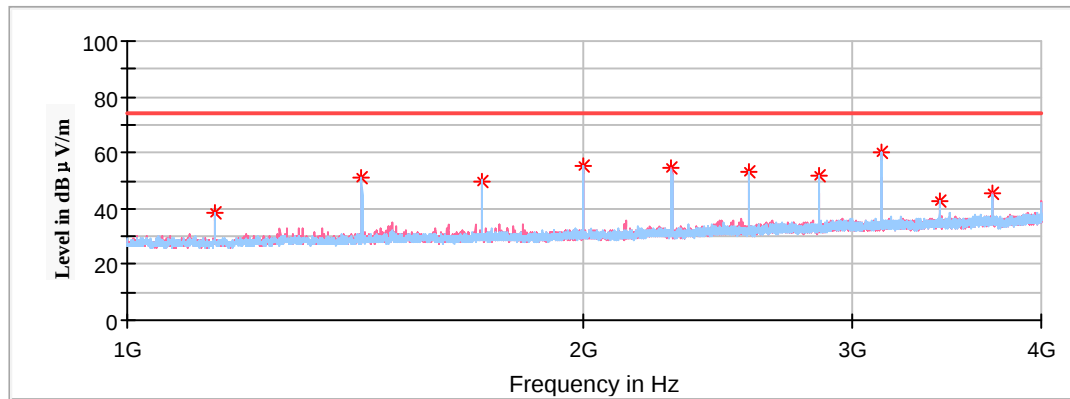
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 285.50          | 86.45                        | 100         | H           | -13.98                           | 72.47                        | 73.65                      | 1.18        |
| 571.00          | 57.40                        | 200         | H           | -13.98                           | 43.42                        | 53.65                      | 10.23       |
| 856.50          | 51.02                        | 100         | H           | -13.98                           | 37.04                        | 53.65                      | 16.61       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1142.00            | 38.60                  | 150            | H              | 307                 | -18.3                         | 74.00             | 35.40          |
| 1427.50            | 51.23                  | 200            | H              | 323                 | -16.8                         | 74.00             | 22.77          |
| 1713.00            | 49.47                  | 150            | H              | 328                 | -15.6                         | 74.00             | 24.53          |
| 1998.50            | 55.19                  | 200            | H              | 356                 | -14.5                         | 74.00             | 18.81          |
| 2284.00            | 54.38                  | 200            | V              | 275                 | -13.3                         | 74.00             | 19.62          |
| 2569.50            | 52.92                  | 200            | H              | 303                 | -12.1                         | 74.00             | 21.08          |
| 2855.00            | 52.05                  | 200            | H              | 211                 | -10.8                         | 74.00             | 21.95          |
| 3140.50            | 59.81                  | 200            | H              | 211                 | -9.7                          | 74.00             | 14.19          |
| 3426.00            | 42.63                  | 150            | H              | 318                 | -9.0                          | 74.00             | 31.37          |
| 3711.50            | 45.27                  | 200            | V              | 234                 | -8.1                          | 74.00             | 28.73          |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1142.00            | 38.60                              | 150            | H              | -13.98                                 | 24.62                              | 54.00                         | 29.38          |
| 1427.50            | 51.23                              | 200            | H              | -13.98                                 | 37.25                              | 54.00                         | 16.75          |
| 1713.00            | 49.47                              | 150            | H              | -13.98                                 | 35.49                              | 54.00                         | 18.51          |
| 1998.50            | 55.19                              | 200            | H              | -13.98                                 | 41.21                              | 54.00                         | 12.79          |
| 2284.00            | 54.38                              | 200            | V              | -13.98                                 | 40.40                              | 54.00                         | 13.60          |
| 2569.50            | 52.92                              | 200            | H              | -13.98                                 | 38.94                              | 54.00                         | 15.06          |
| 2855.00            | 52.05                              | 200            | H              | -13.98                                 | 38.07                              | 54.00                         | 15.93          |
| 3140.50            | 59.81                              | 200            | H              | -13.98                                 | 45.83                              | 54.00                         | 8.17           |
| 3426.00            | 42.63                              | 150            | H              | -13.98                                 | 28.65                              | 54.00                         | 25.35          |
| 3711.50            | 45.27                              | 200            | V              | -13.98                                 | 31.29                              | 54.00                         | 22.71          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

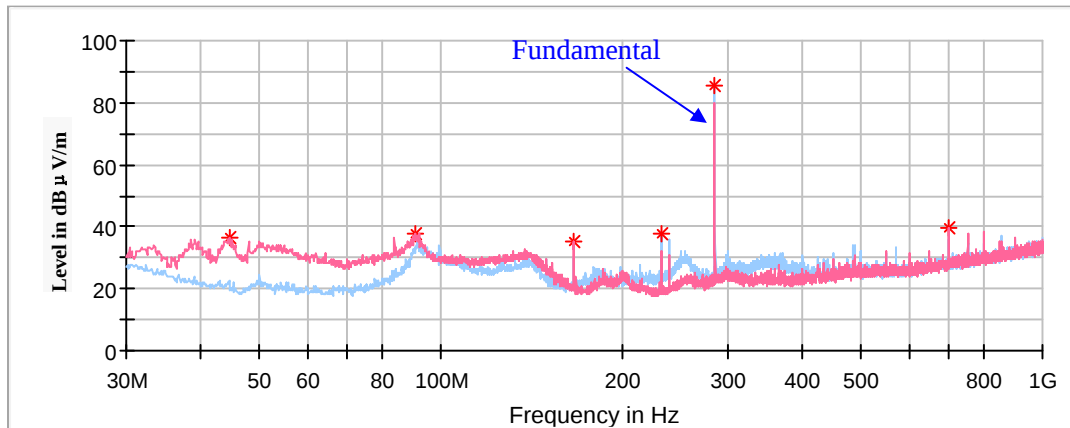
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Low Channel: 285.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.42           | 36.43               | 100         | V           | 119              | -14.2                   | 53.65          | 17.22       |
| 90.74           | 37.82               | 100         | V           | 263              | -17.4                   | 53.65          | 15.83       |
| 165.92          | 35.34               | 100         | V           | 124              | -13.0                   | 43.50          | 8.16        |
| 232.85          | 38.00               | 100         | H           | 243              | -13.7                   | 53.65          | 15.65       |
| 285.50          | 85.28               | 100         | H           | 326              | -11.6                   | 93.65          | 8.37        |
| 700.02          | 39.91               | 100         | V           | 106              | -3.0                    | 53.65          | 13.74       |

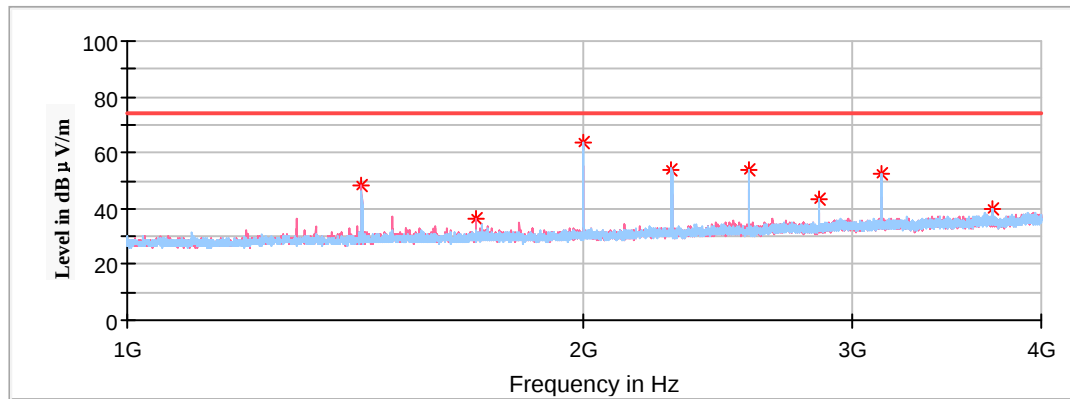
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 285.50          | 85.28                        | 100         | H           | -13.98                           | 71.30                        | 73.65                      | 2.35        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1427.50         | 48.26               | 150         | V           | 283              | -16.8                   | 74.00          | 25.74       |
| 1696.60         | 36.65               | 150         | V           | 252              | -15.6                   | 74.00          | 37.35       |
| 1998.50         | 63.77               | 150         | H           | 309              | -14.5                   | 74.00          | 10.23       |
| 2284.00         | 53.61               | 150         | H           | 299              | -13.3                   | 74.00          | 20.39       |
| 2569.50         | 54.05               | 200         | H           | 342              | -12.1                   | 74.00          | 19.95       |
| 2855.00         | 43.23               | 200         | H           | 323              | -10.8                   | 74.00          | 30.77       |
| 3140.50         | 52.16               | 150         | H           | 319              | -9.7                    | 74.00          | 21.84       |
| 3711.50         | 39.89               | 200         | H           | 110              | -8.0                    | 74.00          | 34.11       |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1427.50            | 48.26                                    | 150            | V              | -13.98                                 | 34.28                                    | 54.00                         | 19.72          |
| 1696.60            | 36.65                                    | 150            | V              | -13.98                                 | 22.67                                    | 54.00                         | 31.33          |
| 1998.50            | 63.77                                    | 150            | H              | -13.98                                 | 49.79                                    | 54.00                         | 4.21           |
| 2284.00            | 53.61                                    | 150            | H              | -13.98                                 | 39.63                                    | 54.00                         | 14.37          |
| 2569.50            | 54.05                                    | 200            | H              | -13.98                                 | 40.07                                    | 54.00                         | 13.93          |
| 2855.00            | 43.23                                    | 200            | H              | -13.98                                 | 29.25                                    | 54.00                         | 24.75          |
| 3140.50            | 52.16                                    | 150            | H              | -13.98                                 | 38.18                                    | 54.00                         | 15.82          |
| 3711.50            | 39.89                                    | 200            | H              | -13.98                                 | 25.91                                    | 54.00                         | 28.09          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

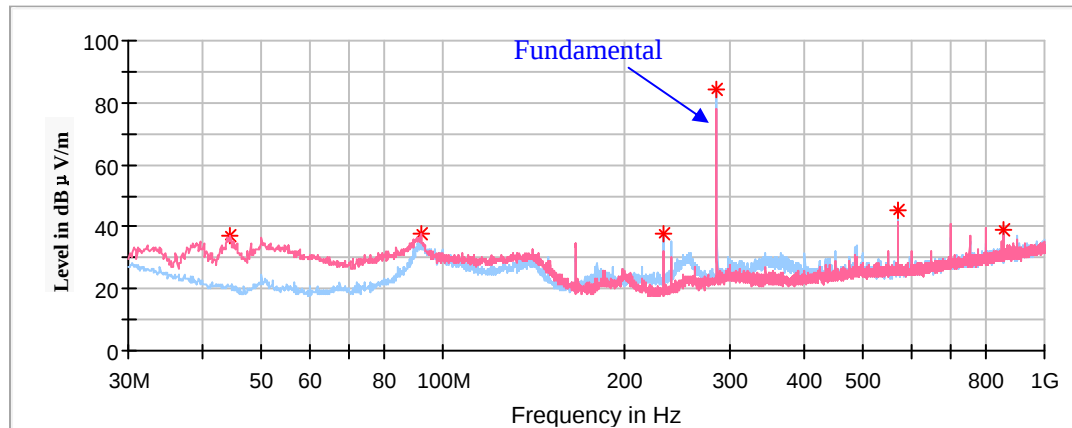
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Low Channel: 285.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



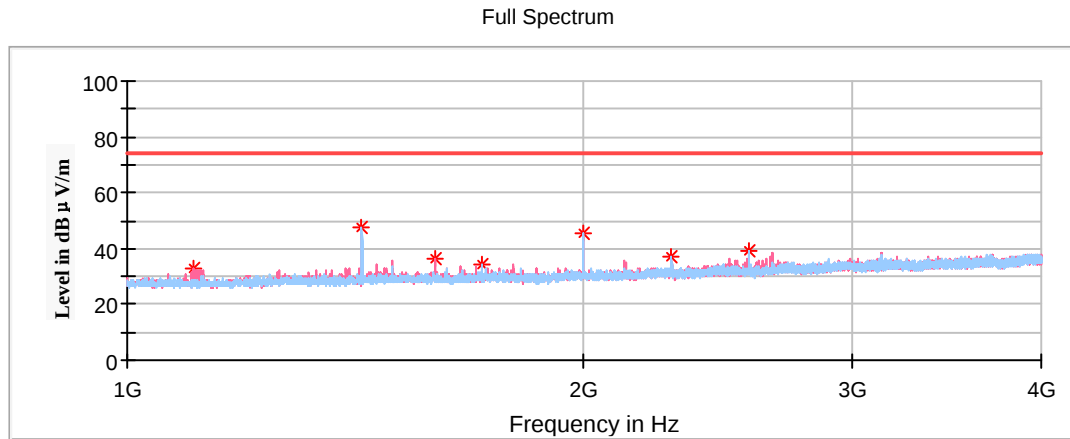
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.30           | 37.33               | 100         | V           | 124              | -14.2                   | 53.65          | 16.32       |
| 91.83           | 37.86               | 100         | V           | 269              | -17.1                   | 53.65          | 15.79       |
| 232.36          | 37.57               | 200         | H           | 238              | -13.7                   | 43.50          | 5.93        |
| 285.50          | 84.21               | 100         | H           | 321              | -11.6                   | 93.65          | 9.44        |
| 571.00          | 45.25               | 200         | H           | 172              | -5.7                    | 76.65          | 31.40       |
| 856.50          | 39.23               | 100         | H           | 172              | -0.5                    | 73.65          | 34.42       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 285.50          | 84.21                        | 100         | H           | -13.98                           | 70.23                        | 73.65                      | 3.42        |
| 571.00          | 45.25                        | 200         | H           | -13.98                           | 31.27                        | 53.65                      | 22.38       |
| 856.50          | 39.23                        | 100         | H           | -13.98                           | 25.25                        | 53.65                      | 28.40       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1104.40            | 33.11                  | 150            | V              | 0                   | -18.5                         | 54.00             | 20.89          |
| 1427.50            | 47.81                  | 150            | H              | 254                 | -16.8                         | 54.00             | 6.19           |
| 1594.00            | 36.39                  | 200            | V              | 278                 | -16.0                         | 54.00             | 17.61          |
| 1713.00            | 34.33                  | 200            | H              | 227                 | -15.6                         | 54.00             | 19.67          |
| 1998.50            | 45.39                  | 150            | H              | 294                 | -14.5                         | 54.00             | 8.61           |
| 2284.00            | 36.87                  | 200            | H              | 248                 | -13.3                         | 54.00             | 17.13          |
| 2569.50            | 39.39                  | 200            | V              | 2                   | -12.1                         | 54.00             | 14.61          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

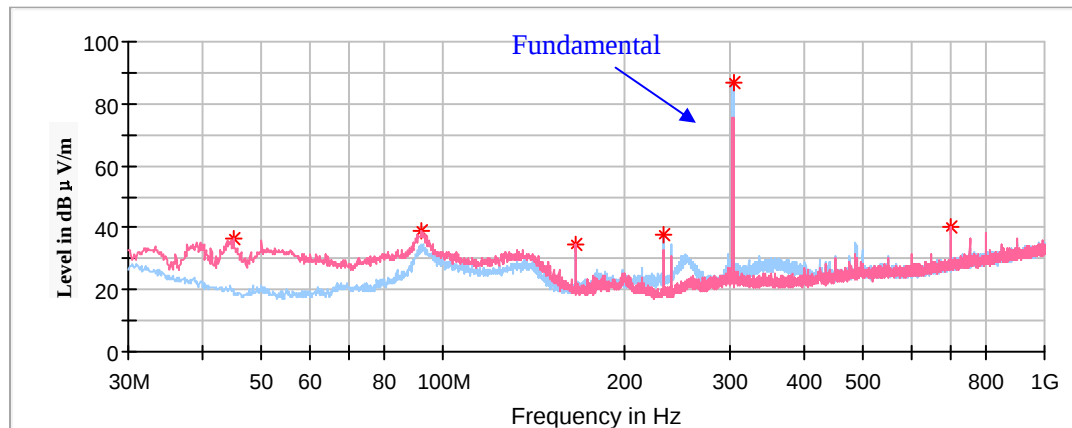
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 303.5MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



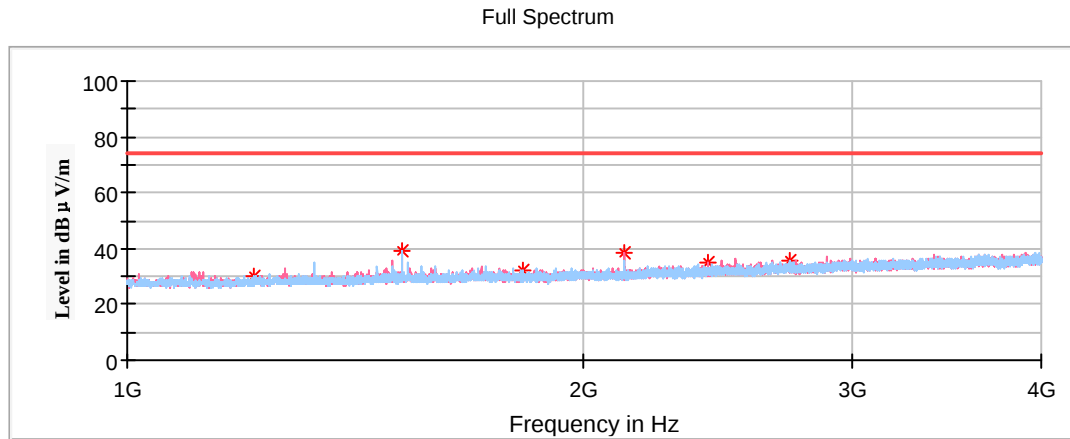
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.91           | 36.63               | 100         | V           | 57               | -14.6                   | 54.91          | 18.28       |
| 91.98           | 39.00               | 100         | V           | 88               | -17.1                   | 54.91          | 15.91       |
| 165.92          | 34.76               | 100         | V           | 149              | -13.0                   | 43.50          | 8.74        |
| 232.36          | 37.46               | 100         | H           | 256              | -13.7                   | 54.91          | 17.45       |
| 303.50          | 86.92               | 100         | H           | 325              | -10.9                   | 94.91          | 7.99        |
| 700.02          | 40.15               | 100         | V           | 106              | -3.0                    | 54.91          | 14.76       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 303.50          | 86.92                        | 100         | H           | -13.98                           | 72.94                        | 74.91                      | 1.97        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1214.00            | 30.03                  | 200            | H              | 103                 | -17.9                         | 54.00             | 23.97          |
| 1517.50            | 38.95                  | 200            | H              | 174                 | -16.3                         | 54.00             | 15.05          |
| 1821.00            | 31.86                  | 200            | H              | 356                 | -15.1                         | 54.91             | 23.05          |
| 2124.50            | 38.55                  | 200            | V              | 296                 | -14.0                         | 54.91             | 16.36          |
| 2428.00            | 35.01                  | 150            | V              | 277                 | -12.8                         | 54.91             | 19.90          |
| 2731.50            | 35.94                  | 150            | H              | 27                  | -11.3                         | 54.00             | 18.06          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

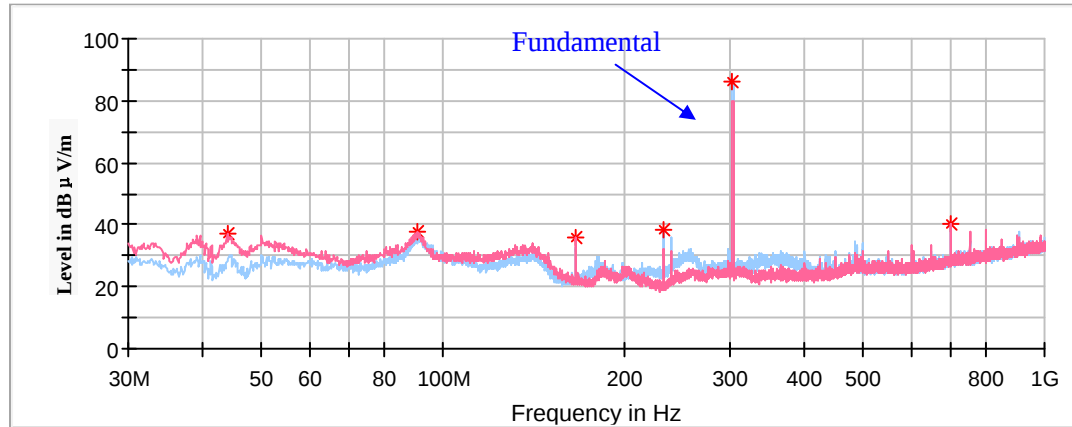
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 303.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



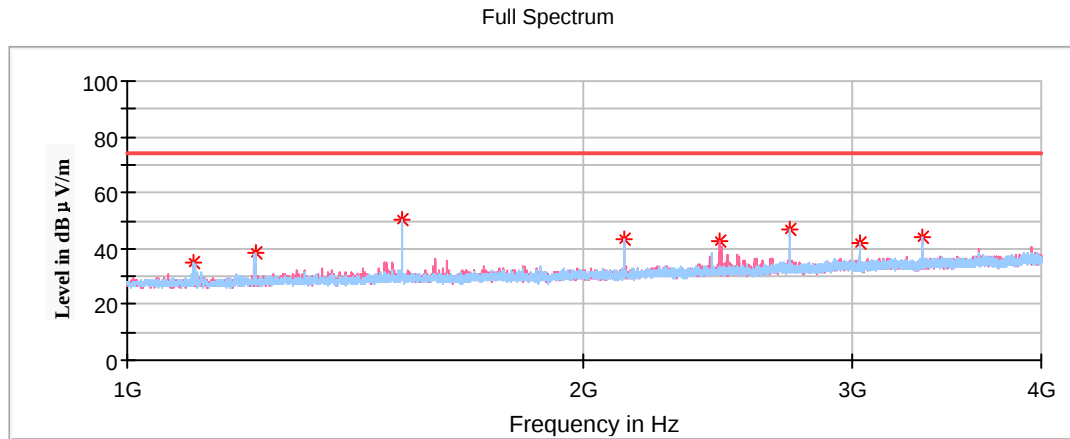
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 43.82           | 37.34               | 100         | V           | 147              | -13.8                   | 54.91          | 17.57       |
| 90.98           | 38.00               | 100         | V           | 354              | -17.3                   | 54.91          | 16.91       |
| 165.92          | 35.72               | 100         | V           | 135              | -13.0                   | 43.50          | 7.78        |
| 232.85          | 38.66               | 100         | H           | 245              | -13.7                   | 54.91          | 16.25       |
| 303.50          | 86.13               | 100         | H           | 46               | -10.9                   | 94.91          | 8.78        |
| 700.02          | 40.39               | 100         | V           | 117              | -3.0                    | 54.91          | 14.52       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 303.50          | 86.13                        | 100         | H           | -13.98                           | 72.15                        | 74.91                      | 2.76        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1106.50            | 35.05                  | 200            | H              | 165                 | -18.5                         | 54.00             | 18.95          |
| 1214.00            | 38.76                  | 150            | H              | 274                 | -17.9                         | 54.00             | 15.24          |
| 1517.50            | 50.63                  | 150            | H              | 342                 | -16.3                         | 54.00             | 3.37           |
| 2124.50            | 43.21                  | 150            | H              | 0                   | -14.0                         | 54.91             | 11.70          |
| 2428.00            | 42.56                  | 150            | V              | 277                 | -12.6                         | 54.00             | 11.44          |
| 2731.50            | 46.53                  | 150            | H              | 223                 | -11.3                         | 54.00             | 7.47           |
| 3035.00            | 41.61                  | 150            | H              | 243                 | -10.0                         | 54.91             | 13.30          |
| 3338.50            | 44.24                  | 200            | H              | 318                 | -9.2                          | 54.00             | 9.76           |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

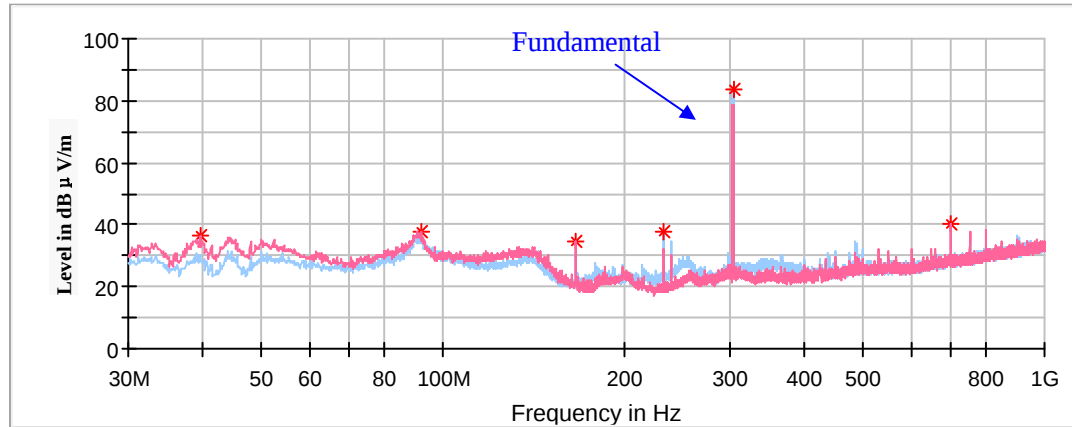
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 303.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 36.30               | 100         | V           | 76               | -10.9                   | 54.91          | 18.61       |
| 92.08           | 37.62               | 100         | V           | 306              | -17.0                   | 54.91          | 17.29       |
| 166.28          | 34.88               | 100         | V           | 137              | -13.0                   | 43.50          | 8.62        |
| 232.85          | 37.84               | 200         | H           | 235              | -13.7                   | 54.91          | 17.07       |
| 303.50          | 83.94               | 100         | H           | 225              | -10.9                   | 94.91          | 10.97       |
| 700.02          | 40.27               | 100         | V           | 124              | -3.0                    | 54.91          | 14.64       |

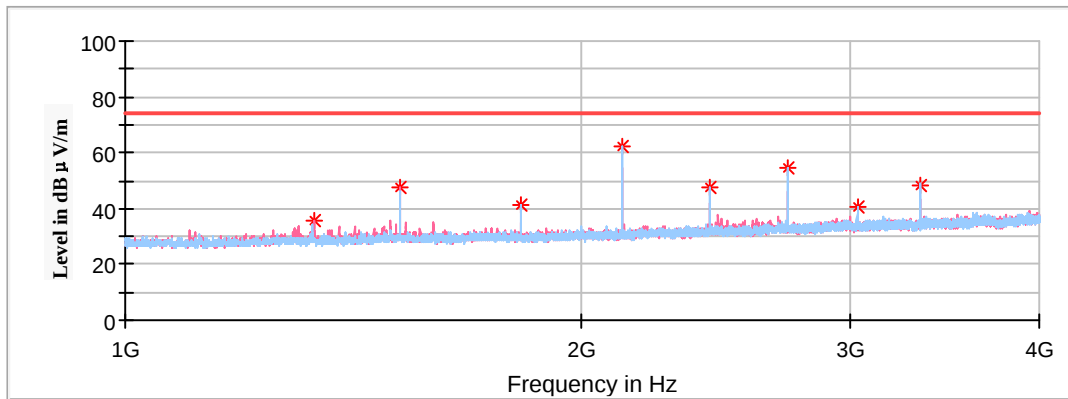
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 303.50          | 83.94                        | 100         | H           | -13.98                           | 70.0                         | 74.91                      | 4.95        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1330.90         | 35.73               | 150         | V           | 269              | -17.3                   | 74.00          | 38.27       |
| 1517.50         | 47.51               | 150         | V           | 258              | -16.3                   | 74.00          | 26.49       |
| 1821.00         | 41.58               | 150         | H           | 317              | -15.1                   | 74.91          | 33.33       |
| 2124.50         | 61.94               | 200         | H           | 293              | -14.0                   | 74.91          | 12.97       |
| 2428.00         | 47.86               | 150         | H           | 317              | -12.7                   | 74.91          | 27.05       |
| 2731.50         | 54.72               | 150         | H           | 295              | -11.3                   | 74.00          | 19.28       |
| 3035.00         | 40.53               | 200         | H           | 343              | -10.0                   | 74.91          | 34.38       |
| 3338.50         | 48.57               | 150         | H           | 19               | -9.2                    | 74.00          | 25.43       |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1330.90            | 35.73                                    | 150            | V              | -13.98                                 | 21.8                                     | 54.00                         | 32.25          |
| 1517.50            | 47.51                                    | 150            | V              | -13.98                                 | 33.5                                     | 54.00                         | 20.47          |
| 1821.00            | 41.58                                    | 150            | H              | -13.98                                 | 27.6                                     | 54.91                         | 27.31          |
| 2124.50            | 61.94                                    | 200            | H              | -13.98                                 | 48.0                                     | 54.91                         | 6.95           |
| 2428.00            | 47.86                                    | 150            | H              | -13.98                                 | 33.9                                     | 54.91                         | 21.03          |
| 2731.50            | 54.72                                    | 150            | H              | -13.98                                 | 40.7                                     | 54.00                         | 13.26          |
| 3035.00            | 40.53                                    | 200            | H              | -13.98                                 | 26.6                                     | 54.91                         | 28.36          |
| 3338.50            | 48.57                                    | 150            | H              | -13.98                                 | 34.6                                     | 54.00                         | 19.41          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

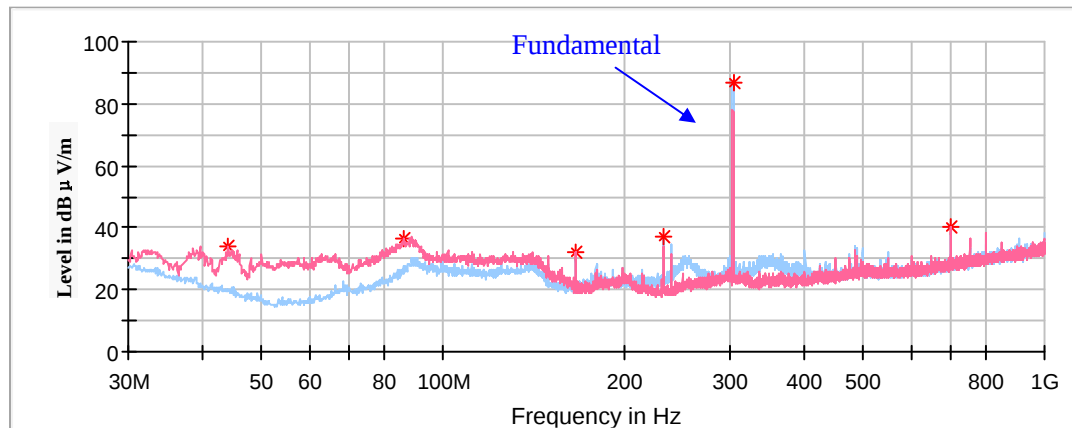
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Middle Channel: 303.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



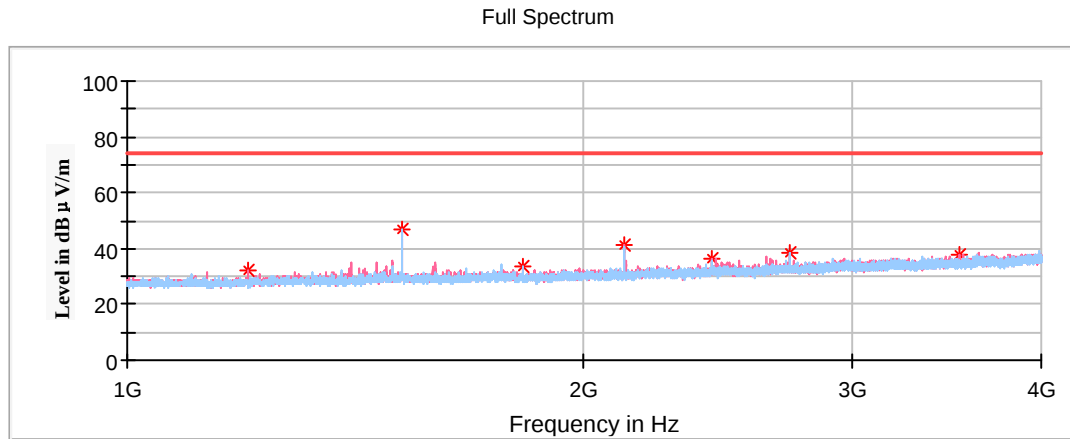
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.06           | 34.14               | 100         | V           | 89               | -14.0                   | 54.91          | 20.77       |
| 85.89           | 36.19               | 100         | V           | 271              | -17.8                   | 54.91          | 18.72       |
| 165.92          | 31.95               | 100         | V           | 168              | -13.0                   | 43.50          | 11.55       |
| 232.36          | 37.34               | 100         | H           | 240              | -13.7                   | 54.91          | 17.57       |
| 303.50          | 86.80               | 100         | H           | 325              | -10.9                   | 94.91          | 8.11        |
| 700.02          | 40.25               | 100         | V           | 308              | -3.0                    | 54.91          | 14.66       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 303.50          | 86.80                        | 100         | H           | -13.98                           | 72.82                        | 74.91                      | 2.09        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1214.00            | 31.87                  | 150            | V              | 262                 | -18.0                         | 54.00             | 22.13          |
| 1517.50            | 46.52                  | 200            | H              | 242                 | -16.3                         | 54.00             | 7.48           |
| 1821.00            | 33.30                  | 150            | H              | 265                 | -15.1                         | 54.91             | 21.61          |
| 2124.50            | 41.25                  | 150            | V              | 272                 | -14.0                         | 54.91             | 13.66          |
| 2428.00            | 36.02                  | 150            | V              | 170                 | -12.7                         | 54.91             | 18.89          |
| 2731.50            | 38.70                  | 150            | H              | 297                 | -11.3                         | 54.00             | 15.30          |
| 3531.10            | 37.69                  | 200            | V              | 343                 | -8.7                          | 54.91             | 17.22          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

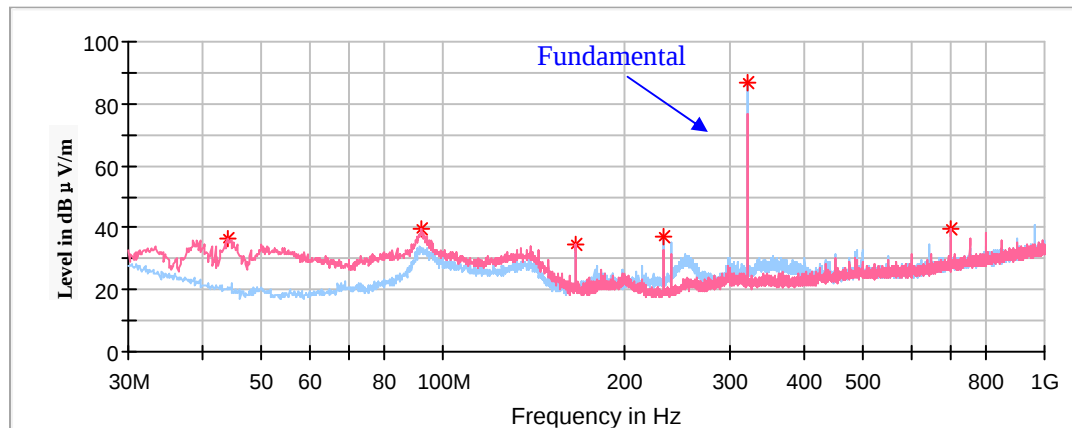
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 321.5MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



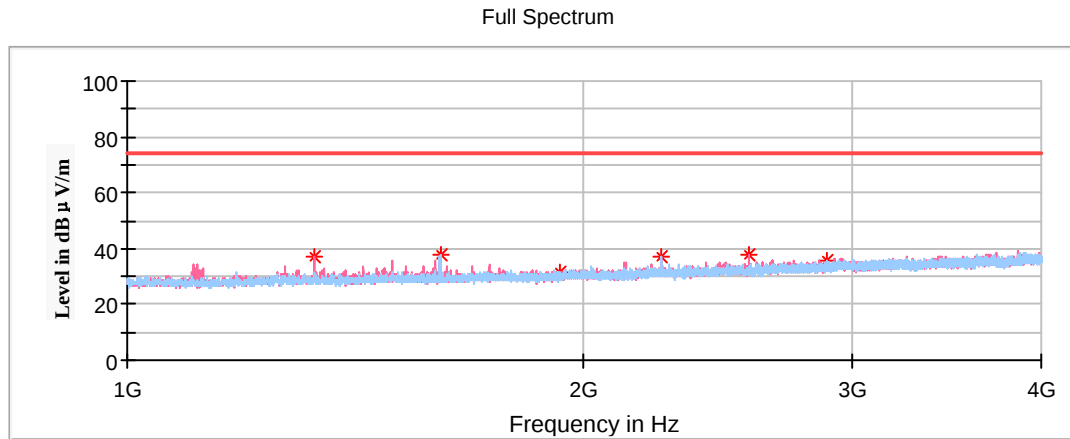
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 43.82           | 36.41               | 100         | V           | 103              | -13.8                   | 56.00          | 19.59       |
| 92.08           | 39.64               | 100         | V           | 53               | -17.0                   | 56.00          | 16.36       |
| 165.92          | 34.84               | 100         | V           | 144              | -13.0                   | 43.50          | 8.66        |
| 232.36          | 36.92               | 100         | H           | 250              | -13.7                   | 56.00          | 19.08       |
| 321.50          | 87.05               | 100         | H           | 319              | -10.5                   | 96.00          | 8.95        |
| 700.02          | 39.75               | 100         | V           | 103              | -3.0                    | 56.00          | 16.25       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 321.50          | 87.05                        | 100         | H           | -13.98                           | 73.07                        | 76.00                      | 2.93        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1286.00         | 37.34               | 200         | V           | 279              | -17.3                   | 56.00          | 18.66       |
| 1607.50         | 37.58               | 200         | H           | 333              | -16.0                   | 56.00          | 18.42       |
| 1929.00         | 31.78               | 200         | H           | 333              | -14.7                   | 56.00          | 24.22       |
| 2250.50         | 37.20               | 150         | V           | 288              | -13.4                   | 54.00          | 16.80       |
| 2572.00         | 37.81               | 150         | V           | 257              | -12.1                   | 56.00          | 18.19       |
| 2893.50         | 35.63               | 200         | H           | 356              | -10.6                   | 54.00          | 18.37       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

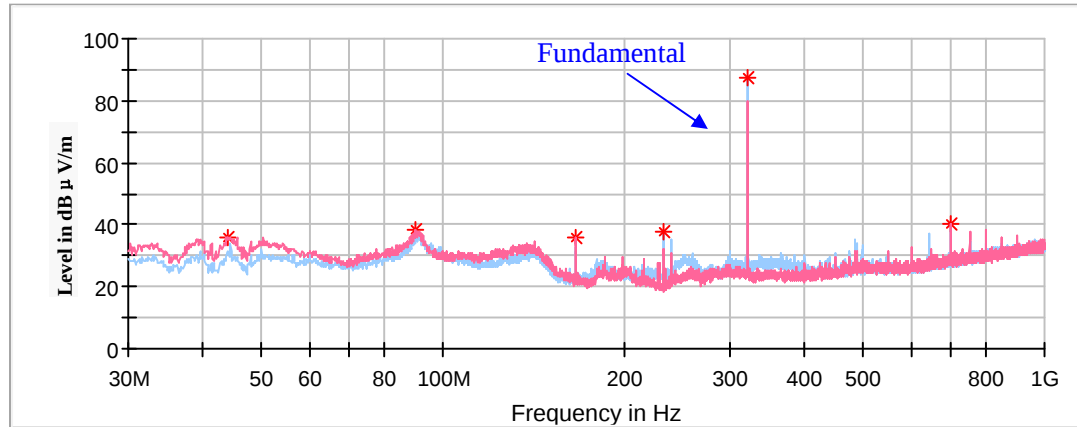
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 321.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.06           | 35.92               | 100         | V           | 163              | -14.0                   | 56.00          | 20.08       |
| 90.14           | 38.06               | 100         | V           | 314              | -17.6                   | 56.00          | 17.94       |
| 166.28          | 35.71               | 100         | V           | 123              | -13.0                   | 43.50          | 7.79        |
| 232.85          | 37.64               | 200         | H           | 234              | -13.7                   | 56.00          | 18.36       |
| 321.48          | 87.57               | 100         | H           | 48               | -10.5                   | 96.00          | 8.43        |
| 700.02          | 40.19               | 100         | V           | 320              | -3.0                    | 56.00          | 15.81       |

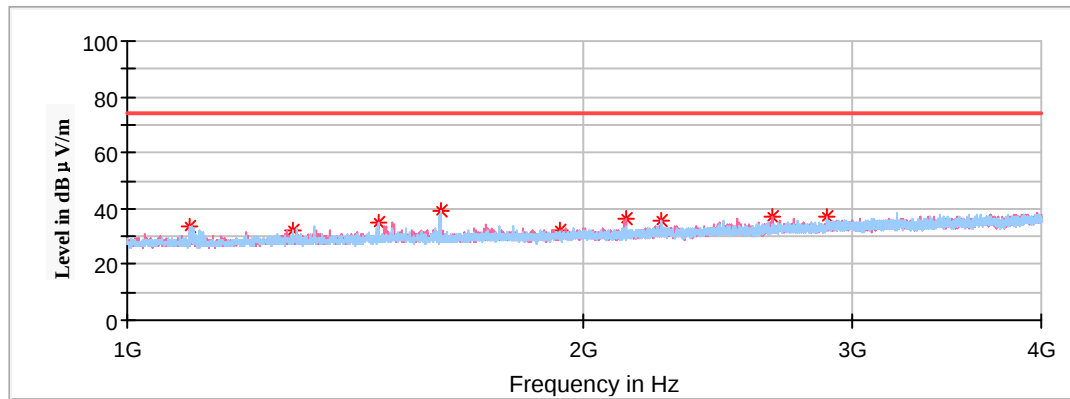
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 321.50          | 87.57                        | 100         | H           | -13.98                           | 73.59                        | 76.00                      | 2.41        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1100.80         | 33.34               | 200         | H           | 168              | -18.5                   | 54.00          | 20.66       |
| 1286.00         | 32.22               | 200         | H           | 238              | -17.5                   | 56.00          | 23.78       |
| 1462.30         | 34.93               | 200         | H           | 117              | -16.6                   | 54.00          | 19.07       |
| 1607.50         | 39.30               | 200         | H           | 315              | -16.0                   | 54.00          | 14.70       |
| 1929.00         | 31.92               | 200         | V           | 243              | -14.7                   | 56.00          | 24.08       |
| 2128.60         | 36.63               | 150         | V           | 93               | -13.9                   | 56.00          | 19.37       |
| 2250.50         | 35.71               | 200         | V           | 299              | -13.4                   | 54.00          | 18.29       |
| 2656.90         | 36.88               | 150         | V           | 93               | -11.7                   | 56.00          | 19.12       |
| 2893.50         | 37.27               | 200         | V           | 53               | -10.6                   | 54.00          | 16.73       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

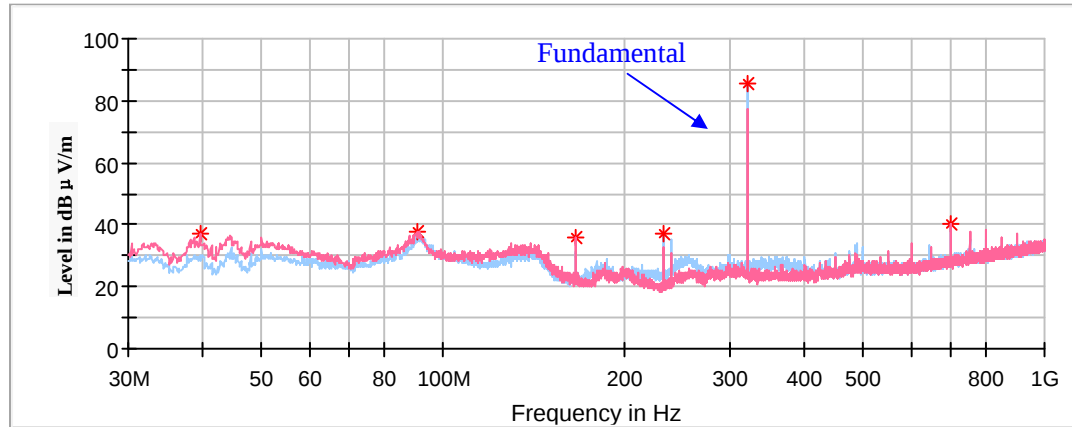
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 321.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



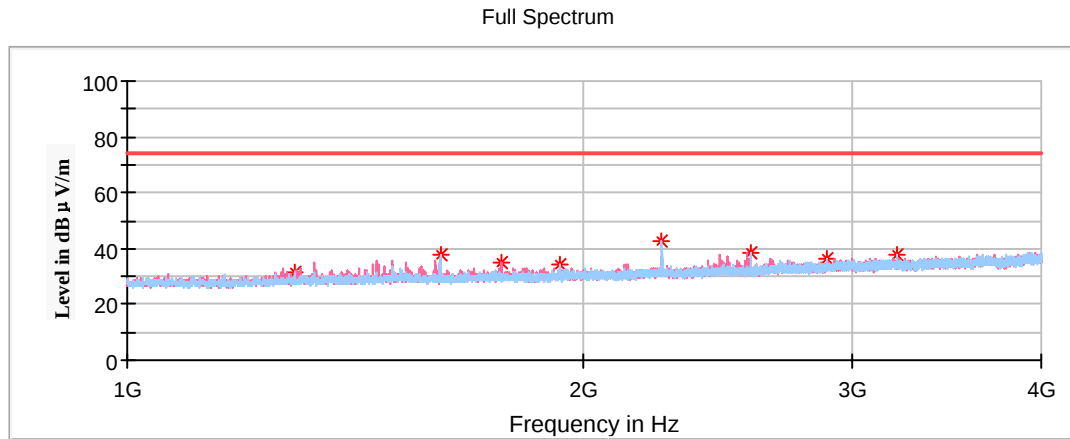
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 37.11               | 100         | V           | 83               | -10.9                   | 56.00          | 18.89       |
| 90.98           | 37.93               | 100         | V           | 316              | -17.3                   | 56.00          | 18.07       |
| 165.92          | 35.59               | 100         | V           | 143              | -13.0                   | 43.50          | 7.91        |
| 232.85          | 37.06               | 100         | H           | 252              | -13.7                   | 56.00          | 18.94       |
| 321.48          | 85.84               | 100         | H           | 40               | -10.5                   | 96.00          | 10.16       |
| 700.02          | 40.34               | 100         | V           | 113              | -3.0                    | 56.00          | 15.66       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 321.50          | 85.84                        | 100         | H           | -13.98                           | 71.86                        | 76.00                      | 4.14        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1286.00         | 31.34               | 200         | H           | 345              | -17.5                   | 56.00          | 24.66       |
| 1607.50         | 37.50               | 200         | H           | 307              | -16.0                   | 54.00          | 16.50       |
| 1763.20         | 35.25               | 150         | V           | 293              | -15.4                   | 56.00          | 20.75       |
| 1929.00         | 34.43               | 150         | H           | 318              | -14.7                   | 56.00          | 21.57       |
| 2250.50         | 42.54               | 200         | H           | 317              | -13.4                   | 54.00          | 11.46       |
| 2572.00         | 38.14               | 150         | H           | 235              | -12.1                   | 56.00          | 17.86       |
| 2893.50         | 36.06               | 150         | H           | 153              | -10.6                   | 54.00          | 17.94       |
| 3215.00         | 37.77               | 150         | H           | 349              | -9.5                    | 56.00          | 18.23       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

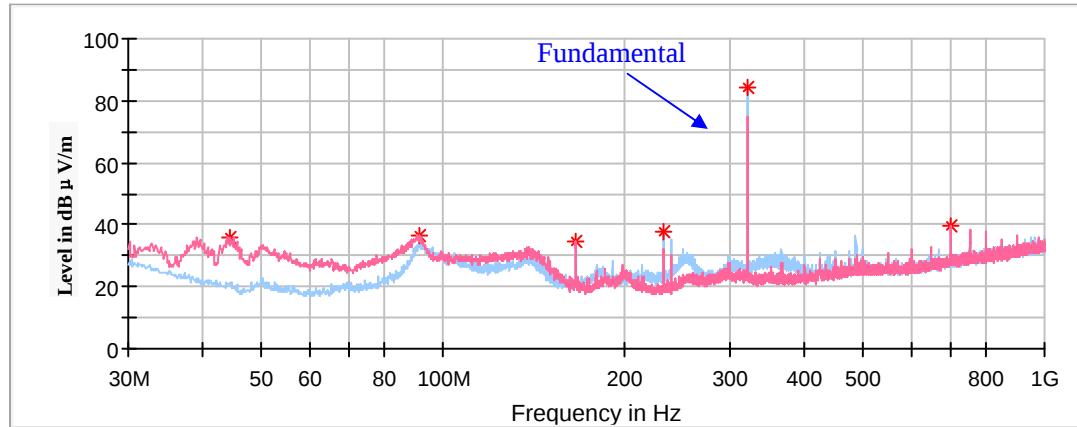
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 321.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



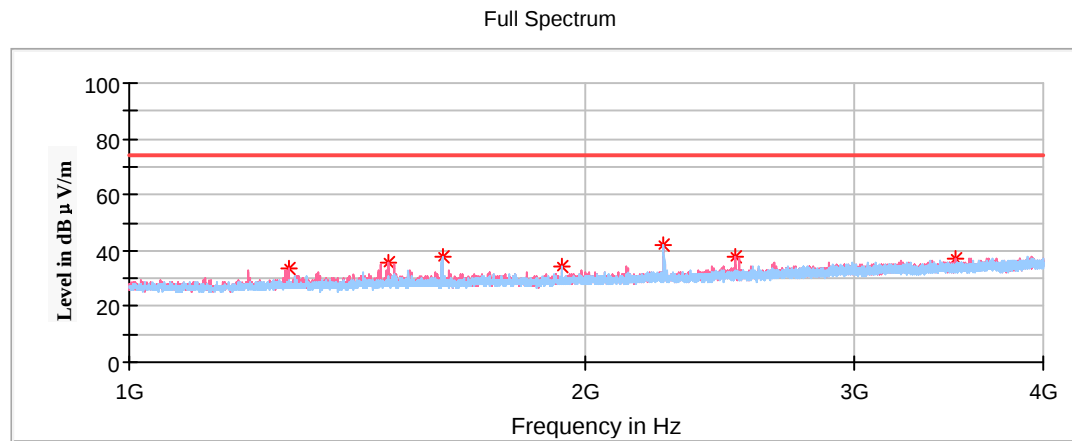
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.30           | 36.09               | 100         | V           | 351              | -14.2                   | 56.00          | 19.91       |
| 91.11           | 36.28               | 100         | V           | 339              | -17.3                   | 56.00          | 19.72       |
| 166.28          | 34.68               | 100         | V           | 149              | -13.0                   | 43.50          | 8.82        |
| 232.36          | 37.79               | 100         | H           | 248              | -13.7                   | 56.00          | 18.21       |
| 321.50          | 84.09               | 100         | H           | 44               | -10.5                   | 96.00          | 11.91       |
| 700.02          | 39.61               | 100         | V           | 316              | -3.0                    | 56.00          | 16.39       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 321.50          | 84.09                        | 100         | H           | -13.98                           | 70.11                        | 76.00                      | 5.89        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1286.00            | 33.71                  | 200            | V              | 264                 | -17.6                         | 56.00             | 22.29          |
| 1481.80            | 35.67                  | 150            | V              | 280                 | -16.5                         | 54.00             | 18.33          |
| 1607.50            | 37.90                  | 150            | H              | 336                 | -16.0                         | 54.00             | 16.10          |
| 1929.00            | 34.22                  | 150            | H              | 235                 | -14.7                         | 56.00             | 21.78          |
| 2250.50            | 41.94                  | 150            | H              | 328                 | -13.4                         | 56.00             | 14.06          |
| 2506.30            | 37.48                  | 150            | V              | 260                 | -12.4                         | 56.00             | 18.52          |
| 3502.00            | 36.82                  | 150            | V              | 179                 | -8.8                          | 56.00             | 19.18          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

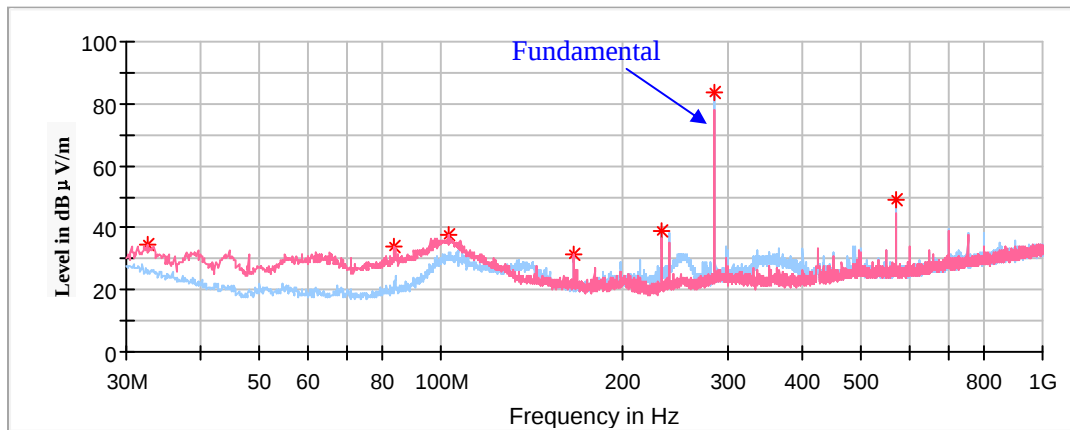
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**For OOK Modulation:****Low Channel: 285.5MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



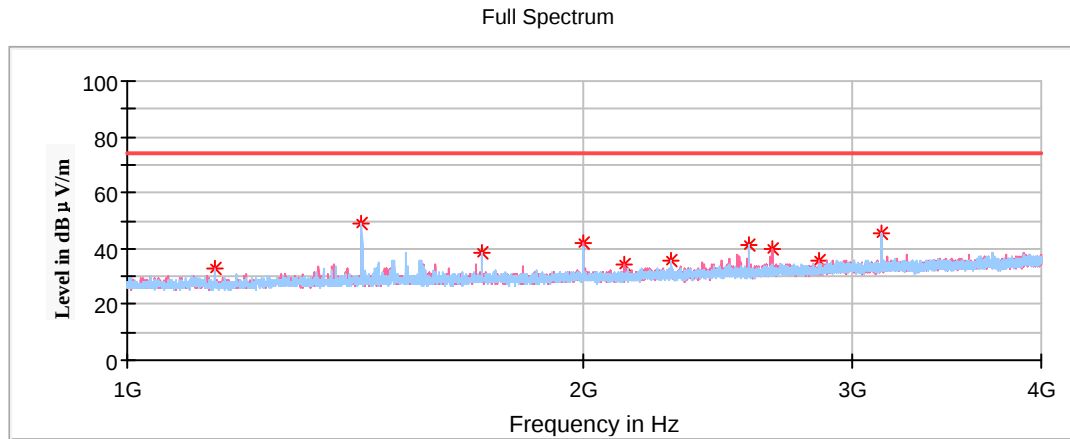
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 32.54           | 34.32               | 100         | V           | 19               | -6.3                    | 53.65          | 19.33       |
| 83.83           | 33.74               | 100         | V           | 294              | -17.9                   | 53.65          | 19.91       |
| 102.75          | 37.43               | 100         | V           | 338              | -14.5                   | 53.65          | 16.22       |
| 165.92          | 31.66               | 100         | V           | 79               | -13.0                   | 43.50          | 11.84       |
| 232.85          | 39.10               | 100         | H           | 66               | -13.7                   | 53.65          | 14.55       |
| 285.50          | 83.74               | 100         | H           | 139              | -11.6                   | 93.65          | 9.91        |
| 571.00          | 49.18               | 200         | V           | 164              | -5.7                    | 73.65          | 24.47       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 285.50          | 83.74                        | 100         | H           | -13.98                           | 69.76                        | 73.65                      | 3.89        |
| 571.00          | 49.18                        | 200         | V           | -13.98                           | 35.20                        | 53.65                      | 18.45       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBµV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBµV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1141.90            | 33.18                  | 150            | V              | 53                  | -18.3                         | 54.00             | 20.82          |
| 1427.50            | 49.12                  | 150            | H              | 9                   | -16.8                         | 54.00             | 4.88           |
| 1713.00            | 38.22                  | 150            | H              | 138                 | -15.6                         | 54.00             | 15.78          |
| 1998.50            | 41.92                  | 150            | V              | 287                 | -14.5                         | 54.00             | 12.08          |
| 2125.00            | 34.38                  | 150            | V              | 186                 | -14                           | 54.00             | 19.62          |
| 2284.00            | 35.76                  | 150            | H              | 0                   | -13.3                         | 54.00             | 18.24          |
| 2569.50            | 41.19                  | 150            | H              | 67                  | -12.1                         | 54.00             | 12.81          |
| 2656.30            | 39.75                  | 150            | V              | 257                 | -11.7                         | 54.00             | 14.25          |
| 2855.00            | 35.60                  | 150            | V              | 125                 | -10.8                         | 54.00             | 18.40          |
| 3140.50            | 45.24                  | 150            | H              | 220                 | -9.7                          | 54.00             | 8.76           |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

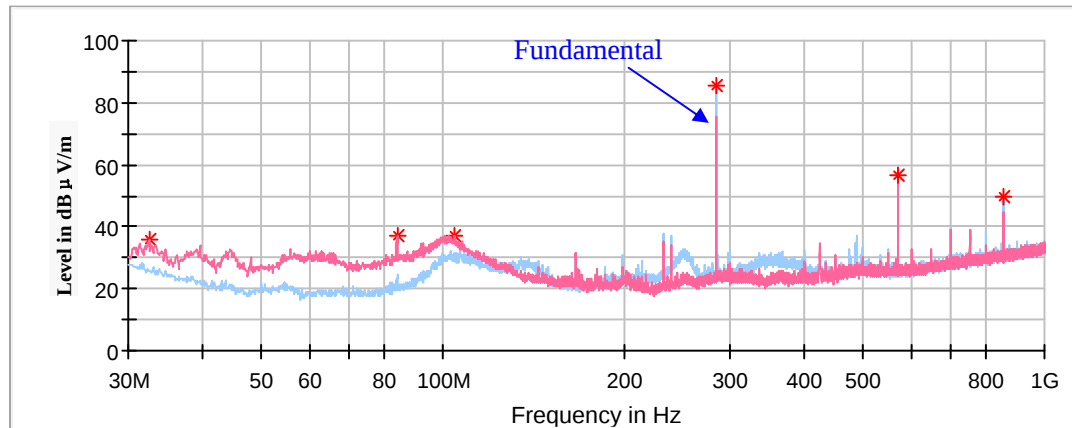
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 285.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 32.54           | 35.58               | 100         | V           | 105              | -6.3                    | 53.65          | 18.07       |
| 83.95           | 36.80               | 200         | V           | 283              | -17.9                   | 53.65          | 16.85       |
| 104.32          | 37.37               | 100         | V           | 227              | -14.3                   | 53.65          | 16.28       |
| 285.50          | 85.61               | 100         | H           | 54               | -11.6                   | 93.65          | 8.04        |
| 571.00          | 56.85               | 200         | H           | 186              | -5.7                    | 73.65          | 16.80       |
| 856.50          | 49.52               | 100         | H           | 153              | -0.5                    | 73.65          | 24.13       |

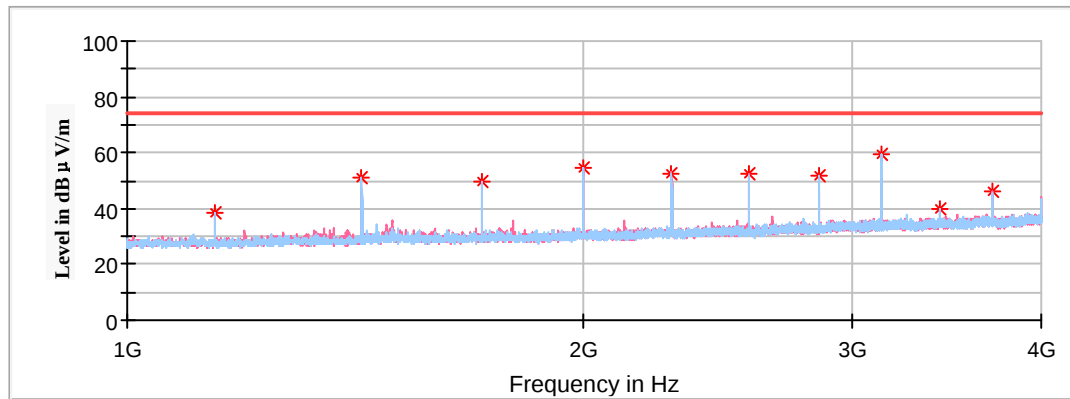
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 285.50          | 85.61                        | 100         | H           | -13.98                           | 71.63                        | 73.65                      | 2.02        |
| 571.00          | 56.85                        | 200         | H           | -13.98                           | 42.87                        | 53.65                      | 10.78       |
| 856.50          | 49.52                        | 100         | H           | -13.98                           | 35.54                        | 53.65                      | 18.11       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1142.00         | 38.40               | 150         | H           | 154              | -18.3                   | 74.00          | 35.60       |
| 1427.50         | 50.74               | 200         | H           | 156              | -16.8                   | 74.00          | 23.26       |
| 1713.00         | 49.75               | 150         | H           | 164              | -15.6                   | 74.00          | 24.25       |
| 1998.50         | 54.75               | 200         | V           | 281              | -14.5                   | 74.00          | 19.25       |
| 2284.00         | 52.59               | 200         | V           | 129              | -13.3                   | 74.00          | 21.41       |
| 2569.50         | 52.21               | 150         | V           | 293              | -12.1                   | 74.00          | 21.79       |
| 2855.00         | 51.81               | 150         | H           | 52               | -10.8                   | 74.00          | 22.19       |
| 3140.50         | 59.42               | 150         | H           | 62               | -9.7                    | 74.00          | 14.58       |
| 3426.00         | 40.14               | 150         | H           | 205              | -9                      | 74.00          | 33.86       |
| 3711.50         | 46.07               | 200         | V           | 261              | -8                      | 74.00          | 27.93       |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1142.00            | 38.40                              | 150            | H              | -13.98                                 | 24.42                              | 54.00                         | 29.58          |
| 1427.50            | 50.74                              | 200            | H              | -13.98                                 | 36.76                              | 54.00                         | 17.24          |
| 1713.00            | 49.75                              | 150            | H              | -13.98                                 | 35.77                              | 54.00                         | 18.23          |
| 1998.50            | 54.75                              | 200            | V              | -13.98                                 | 40.77                              | 54.00                         | 13.23          |
| 2284.00            | 52.59                              | 200            | V              | -13.98                                 | 38.61                              | 54.00                         | 15.39          |
| 2569.50            | 52.21                              | 150            | V              | -13.98                                 | 38.23                              | 54.00                         | 15.77          |
| 2855.00            | 51.81                              | 150            | H              | -13.98                                 | 37.83                              | 54.00                         | 16.17          |
| 3140.50            | 59.42                              | 150            | H              | -13.98                                 | 45.44                              | 54.00                         | 8.56           |
| 3426.00            | 40.14                              | 150            | H              | -13.98                                 | 26.16                              | 54.00                         | 27.84          |
| 3711.50            | 46.07                              | 200            | V              | -13.98                                 | 32.09                              | 54.00                         | 21.91          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

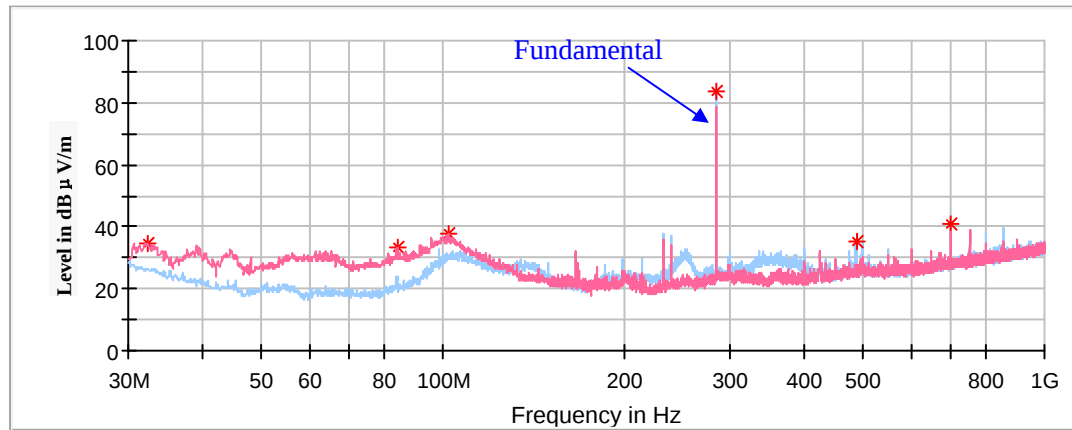
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Low Channel: 285.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 32.30           | 34.78               | 100         | V           | 69               | -6.1                    | 53.65          | 18.87       |
| 84.07           | 33.61               | 100         | V           | 0                | -17.9                   | 53.65          | 20.04       |
| 101.90          | 37.72               | 100         | V           | 302              | -14.7                   | 53.65          | 15.93       |
| 285.50          | 83.63               | 100         | H           | 140              | -11.6                   | 93.65          | 10.02       |
| 486.50          | 35.42               | 100         | H           | 153              | -6.4                    | 53.65          | 18.23       |
| 700.02          | 40.62               | 100         | H           | 353              | -3.0                    | 53.65          | 13.03       |

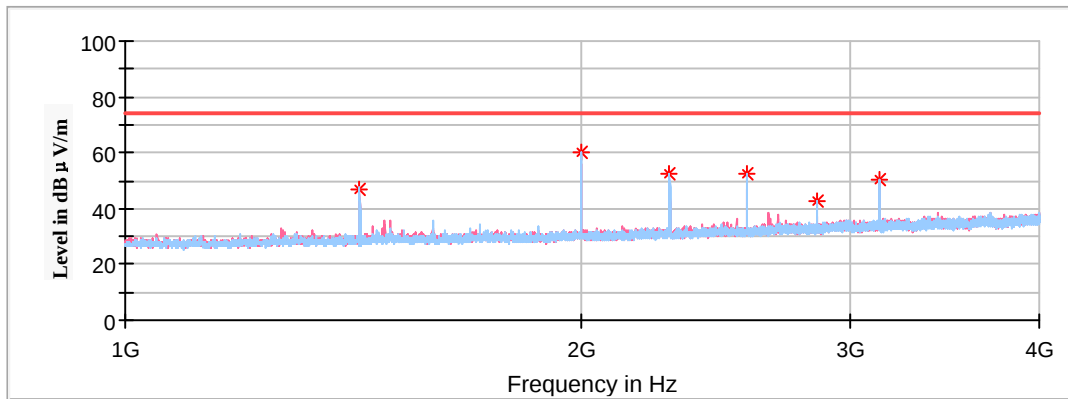
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 285.50          | 83.63                        | 100         | H           | -13.98                           | 69.65                        | 73.65                      | 4.00        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1427.50            | 47.04                  | 200            | V              | 245                 | -16.8                         | 74.00             | 26.96          |
| 1998.50            | 60.10                  | 150            | H              | 149                 | -14.5                         | 74.00             | 13.90          |
| 2284.00            | 52.54                  | 150            | H              | 230                 | -13.3                         | 74.00             | 21.46          |
| 2569.50            | 52.42                  | 200            | H              | 54                  | -12.1                         | 74.00             | 21.58          |
| 2855.00            | 42.53                  | 150            | H              | 220                 | -10.8                         | 74.00             | 31.47          |
| 3140.50            | 50.35                  | 150            | H              | 210                 | -9.7                          | 74.00             | 23.65          |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1427.50            | 47.04                                    | 200            | V              | -13.98                                 | 33.06                                    | 54.00                         | 20.94          |
| 1998.50            | 60.10                                    | 150            | H              | -13.98                                 | 46.12                                    | 54.00                         | 7.88           |
| 2284.00            | 52.54                                    | 150            | H              | -13.98                                 | 38.56                                    | 54.00                         | 15.44          |
| 2569.50            | 52.42                                    | 200            | H              | -13.98                                 | 38.44                                    | 54.00                         | 15.56          |
| 2855.00            | 42.53                                    | 150            | H              | -13.98                                 | 28.55                                    | 54.00                         | 25.45          |
| 3140.50            | 50.35                                    | 150            | H              | -13.98                                 | 36.37                                    | 54.00                         | 17.63          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

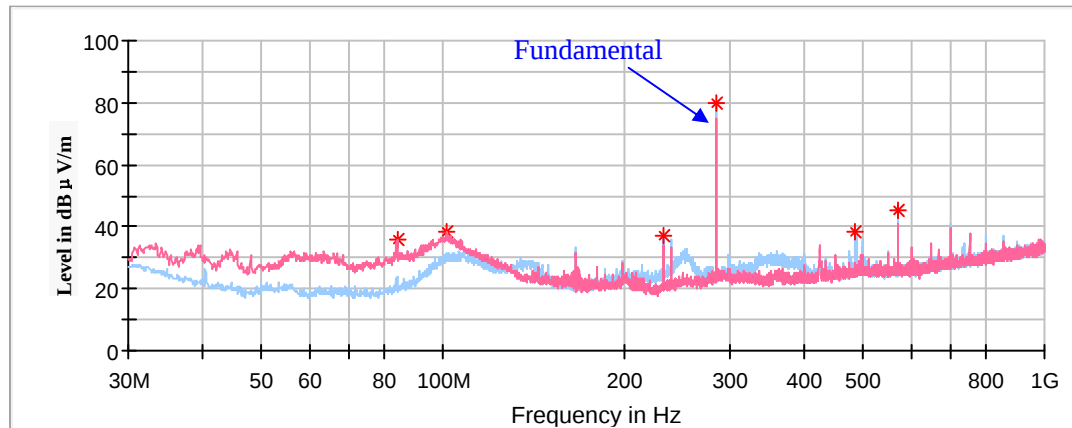
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Low Channel: 285.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



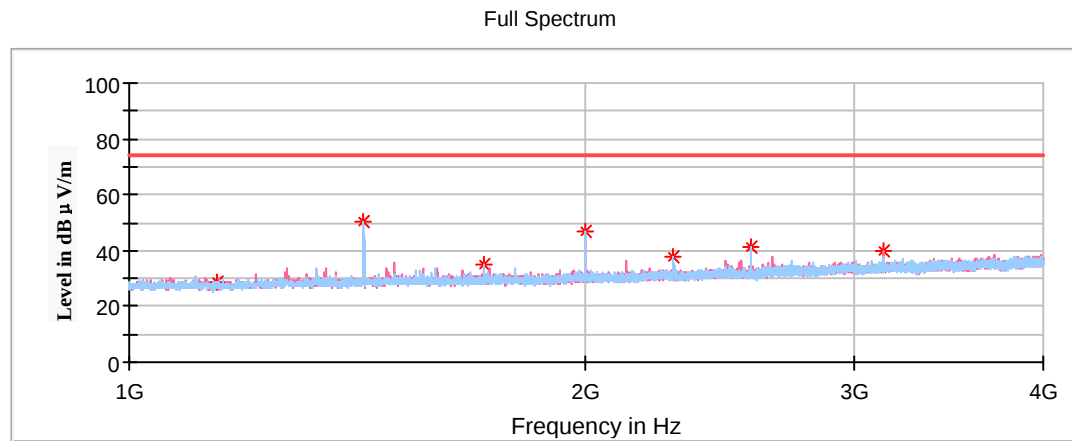
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 83.95           | 36.06               | 100         | V           | 255              | -17.90                  | 53.65          | 17.59       |
| 101.78          | 38.26               | 100         | V           | 310              | -14.70                  | 53.65          | 15.39       |
| 232.36          | 37.14               | 100         | H           | 96               | -13.70                  | 53.65          | 16.51       |
| 285.50          | 79.76               | 100         | H           | 126              | -11.60                  | 93.65          | 13.89       |
| 486.02          | 38.34               | 100         | H           | 287              | -6.40                   | 53.65          | 15.31       |
| 571.00          | 45.39               | 200         | H           | 170              | -5.70                   | 53.65          | 8.26        |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 285.50          | 79.76                        | 100         | H           | -13.98                           | 65.78                        | 73.65                      | 7.87        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1142.00            | 28.52                  | 200            | V              | 194                 | -18.3                         | 54.00             | 25.48          |
| 1427.50            | 50.37                  | 200            | H              | 155                 | -16.8                         | 54.00             | 3.63           |
| 1713.00            | 35.13                  | 150            | H              | 159                 | -15.6                         | 54.00             | 18.87          |
| 1998.50            | 46.71                  | 200            | H              | 0                   | -14.5                         | 54.00             | 7.29           |
| 2284.00            | 37.47                  | 150            | H              | 138                 | -13.3                         | 54.00             | 16.53          |
| 2569.50            | 41.57                  | 150            | H              | 189                 | -12.1                         | 54.00             | 12.43          |
| 3140.50            | 39.60                  | 200            | V              | 276                 | -9.7                          | 54.00             | 14.40          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

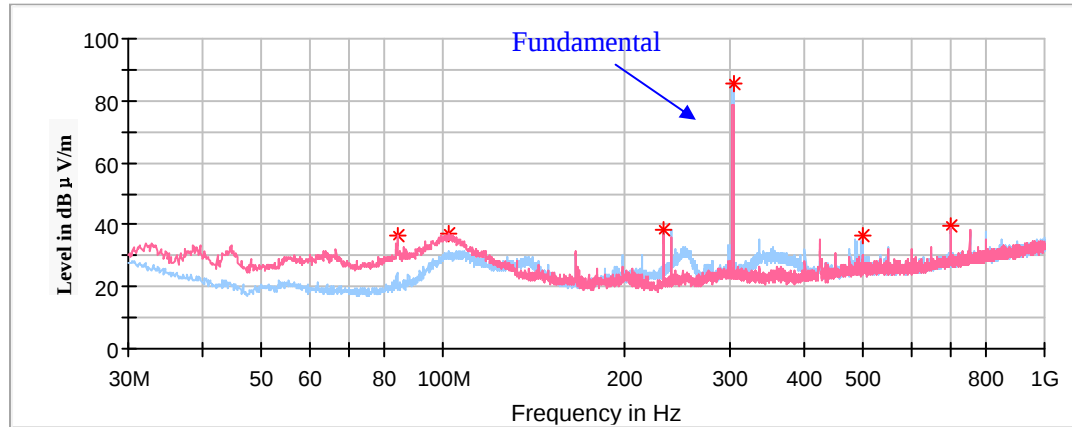
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 303.5MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



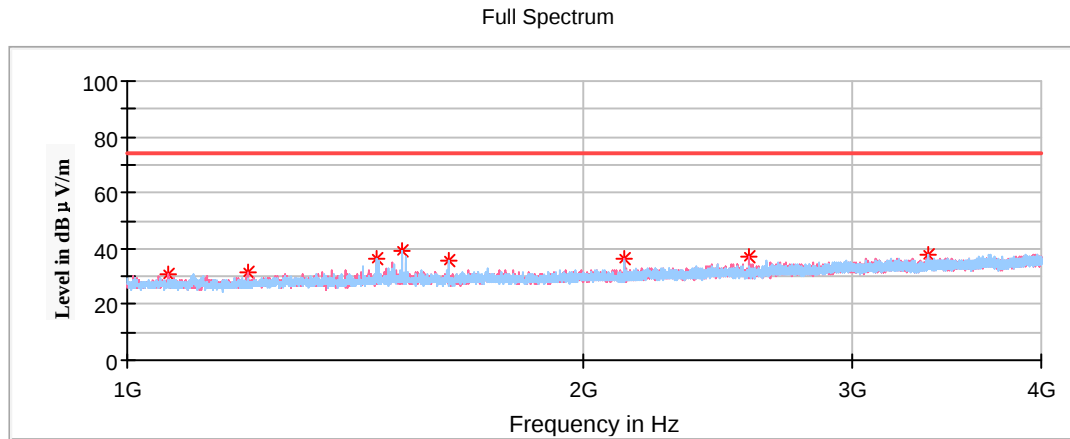
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 84.07           | 36.66               | 100         | V           | 196              | -17.9                   | 54.91          | 18.25       |
| 102.26          | 37.11               | 100         | V           | 190              | -14.6                   | 54.91          | 17.80       |
| 232.36          | 38.41               | 100         | H           | 54               | -13.7                   | 54.91          | 16.50       |
| 303.50          | 85.71               | 100         | H           | 48               | -10.9                   | 94.91          | 9.20        |
| 498.14          | 36.58               | 100         | H           | 0                | -6.1                    | 74.91          | 38.33       |
| 700.02          | 39.63               | 100         | H           | 0                | -3.0                    | 54.91          | 15.28       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 303.50          | 85.71                        | 100         | H           | -13.98                           | 71.73                        | 74.91                      | 3.18        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1065.10         | 31.04               | 150         | V           | 282              | -18.7                   | 54.00          | 22.96       |
| 1199.50         | 31.82               | 150         | V           | 262              | -18.0                   | 54.00          | 22.18       |
| 1461.10         | 36.70               | 150         | H           | 317              | -16.6                   | 54.00          | 17.30       |
| 1517.50         | 39.46               | 150         | H           | 354              | -16.3                   | 54.00          | 14.54       |
| 1630.00         | 36.00               | 150         | H           | 317              | -15.9                   | 54.91          | 18.91       |
| 2124.50         | 36.27               | 150         | V           | 74               | -14.0                   | 54.91          | 18.64       |
| 2566.30         | 36.83               | 150         | V           | 282              | -12.1                   | 54.91          | 18.08       |
| 3338.50         | 37.93               | 150         | H           | 179              | -9.2                    | 54.00          | 16.07       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

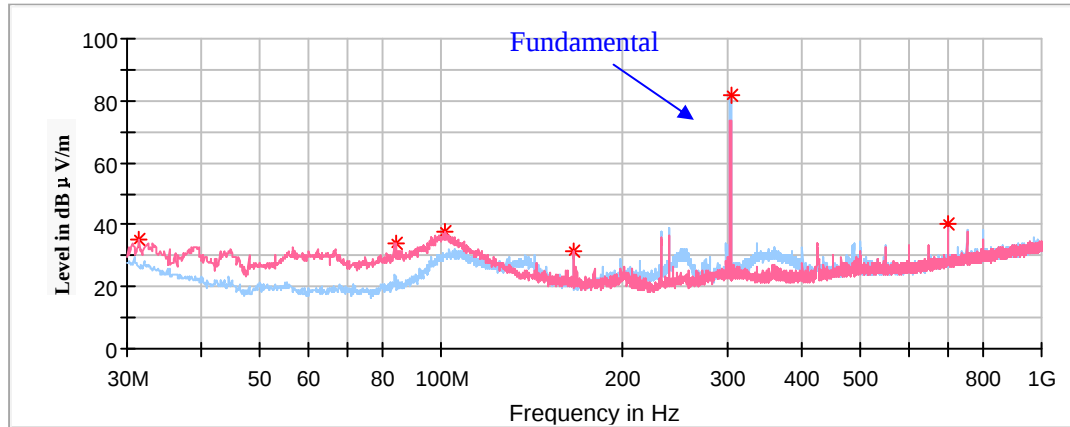
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 303.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



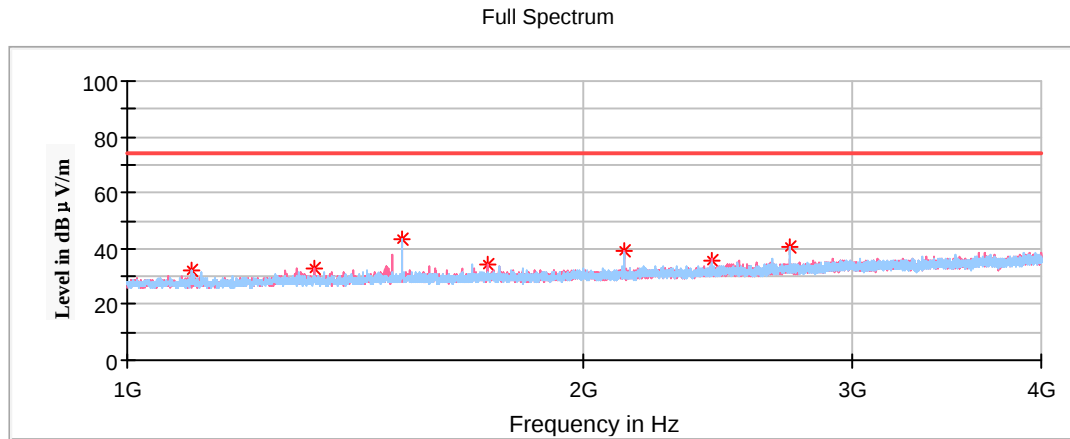
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 31.45           | 35.40               | 100         | V           | 0                | -5.6                    | 54.91          | 19.51       |
| 83.95           | 33.85               | 100         | V           | 0                | -17.9                   | 54.91          | 21.06       |
| 101.78          | 37.47               | 100         | V           | 289              | -14.7                   | 54.91          | 17.44       |
| 166.28          | 31.29               | 200         | H           | 239              | -13.0                   | 43.50          | 12.21       |
| 303.50          | 81.62               | 100         | H           | 53               | -10.9                   | 94.91          | 13.29       |
| 700.02          | 40.41               | 100         | H           | 352              | -3.0                    | 54.91          | 14.50       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 303.50          | 81.62                        | 100         | H           | -13.98                           | 67.64                        | 74.91                      | 7.27        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1103.20            | 32.27                  | 150            | H              | 4                   | -18.5                         | 54.00             | 21.73          |
| 1328.80            | 32.61                  | 200            | V              | 73                  | -17.3                         | 54.00             | 21.39          |
| 1517.50            | 43.44                  | 200            | H              | 165                 | -16.3                         | 54.00             | 10.56          |
| 1727.20            | 34.55                  | 200            | V              | 83                  | -15.5                         | 54.91             | 20.36          |
| 2124.50            | 39.38                  | 200            | V              | 103                 | -14                           | 54.91             | 15.53          |
| 2428.00            | 35.69                  | 150            | V              | 267                 | -12.7                         | 54.91             | 19.22          |
| 2731.50            | 40.64                  | 150            | H              | 67                  | -11.3                         | 54.00             | 13.36          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

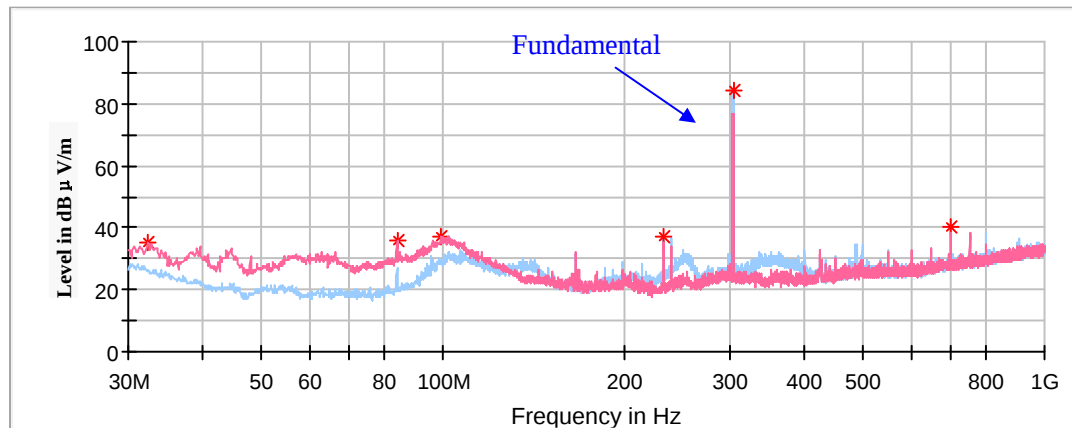
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 303.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 32.42           | 34.94               | 100         | V           | 91               | -6.2                    | 54.91          | 19.97       |
| 83.95           | 36.05               | 200         | V           | 284              | -17.9                   | 54.91          | 18.86       |
| 99.47           | 37.03               | 100         | V           | 300              | -15.1                   | 54.91          | 17.88       |
| 232.36          | 37.22               | 100         | H           | 60               | -13.7                   | 54.91          | 17.69       |
| 303.50          | 84.54               | 100         | H           | 47               | -10.9                   | 94.91          | 10.37       |
| 700.02          | 40.50               | 100         | H           | 346              | -3                      | 54.91          | 14.41       |

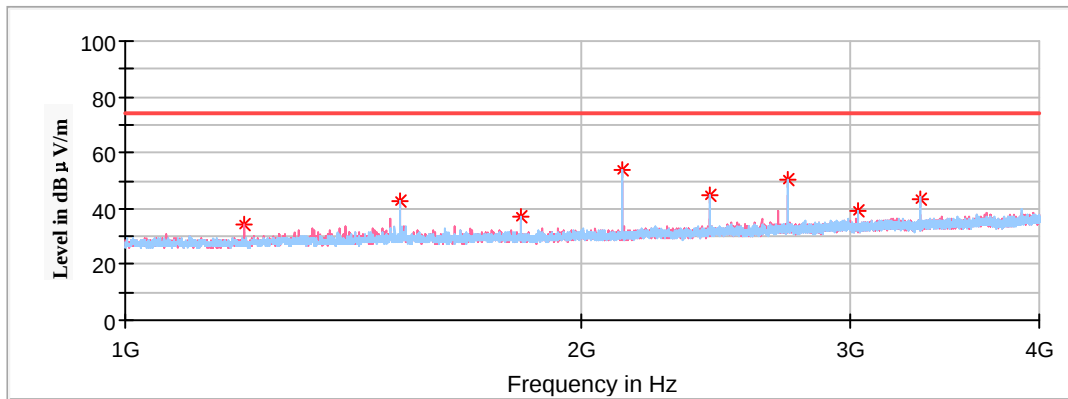
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 303.50          | 84.54                        | 100         | H           | -13.98                           | 70.56                        | 74.91                      | 4.35        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1214.00            | 34.41                  | 150            | V              | 268                 | -18                           | 74.00             | 39.59          |
| 1517.50            | 42.58                  | 200            | V              | 89                  | -16.3                         | 74.00             | 31.42          |
| 1821.00            | 36.94                  | 150            | H              | 276                 | -15.1                         | 74.91             | 37.97          |
| 2124.50            | 54.11                  | 150            | H              | 225                 | -14                           | 74.91             | 20.80          |
| 2428.00            | 44.65                  | 150            | H              | 62                  | -12.7                         | 74.91             | 30.26          |
| 2731.50            | 50.69                  | 200            | H              | 2                   | -11.3                         | 74.00             | 23.31          |
| 3035.00            | 39.18                  | 150            | H              | 266                 | -10                           | 74.91             | 35.73          |
| 3338.50            | 43.69                  | 150            | H              | 215                 | -9.2                          | 74.00             | 30.31          |

## Field Strength of Average Emission

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1214.00            | 34.41                              | 150            | V              | -13.98                                 | 20.43                              | 54.00                         | 33.57          |
| 1517.50            | 42.58                              | 200            | V              | -13.98                                 | 28.60                              | 54.00                         | 25.40          |
| 1821.00            | 36.94                              | 150            | H              | -13.98                                 | 22.96                              | 54.91                         | 31.95          |
| 2124.50            | 54.11                              | 150            | H              | -13.98                                 | 40.13                              | 54.91                         | 14.78          |
| 2428.00            | 44.65                              | 150            | H              | -13.98                                 | 30.67                              | 54.91                         | 24.24          |
| 2731.50            | 50.69                              | 200            | H              | -13.98                                 | 36.71                              | 54.00                         | 17.29          |
| 3035.00            | 39.18                              | 150            | H              | -13.98                                 | 25.20                              | 54.91                         | 29.71          |
| 3338.50            | 43.69                              | 150            | H              | -13.98                                 | 29.71                              | 54.00                         | 24.29          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

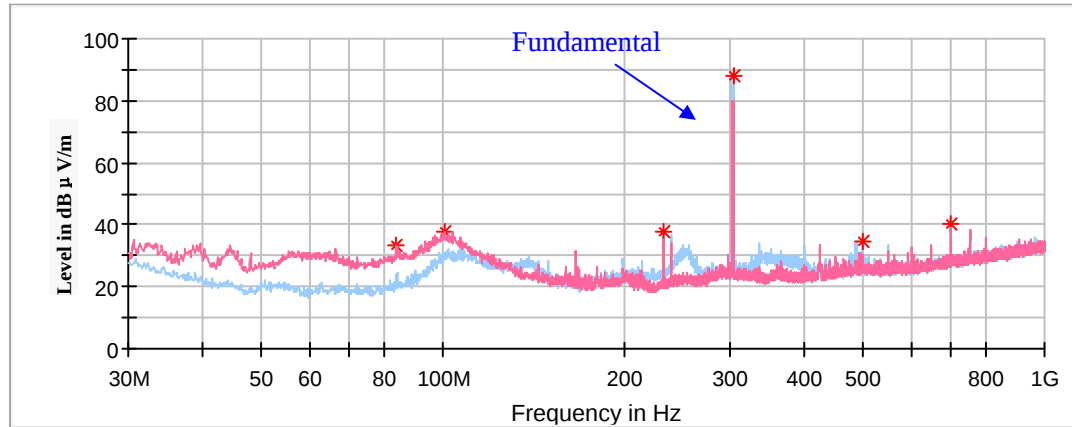
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Middle Channel: 303.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



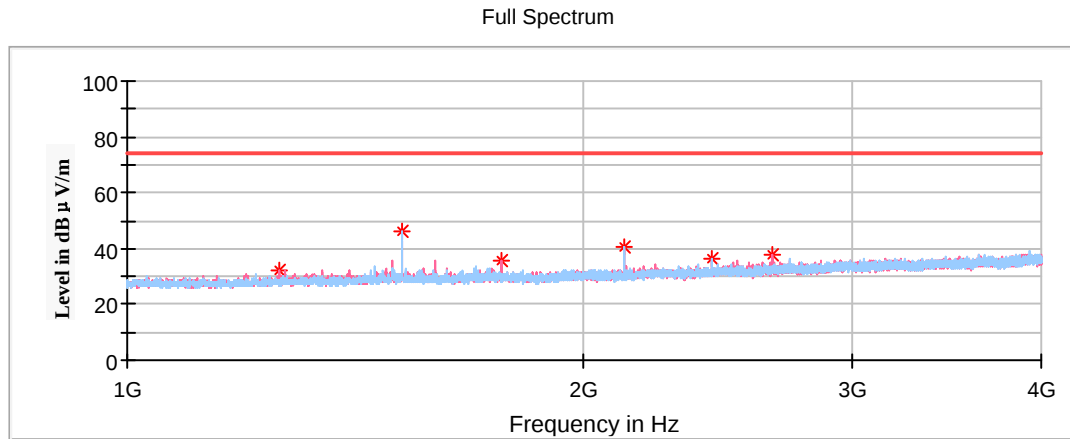
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 83.83           | 33.53               | 100         | V           | 299              | -17.9                   | 54.91          | 21.38       |
| 100.93          | 37.93               | 100         | V           | 197              | -14.8                   | 54.91          | 16.98       |
| 232.85          | 37.86               | 100         | H           | 65               | -13.7                   | 54.91          | 17.05       |
| 303.50          | 87.83               | 100         | H           | 47               | -10.9                   | 94.91          | 7.08        |
| 497.78          | 34.37               | 100         | H           | 0                | -6.1                    | 54.91          | 20.54       |
| 700.02          | 40.11               | 100         | H           | 358              | -3.0                    | 54.91          | 14.80       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 303.50          | 87.83                        | 100         | H           | -13.98                           | 73.85                        | 74.91                      | 1.06        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1214.00            | 32.33                  | 200            | V              | 61                  | -17.7                         | 54.00             | 21.67          |
| 1517.50            | 46.27                  | 150            | H              | 159                 | -16.3                         | 54.00             | 7.73           |
| 1821.00            | 35.72                  | 200            | V              | 81                  | -15.4                         | 54.91             | 19.19          |
| 2124.50            | 40.72                  | 150            | H              | 220                 | -14                           | 54.91             | 14.19          |
| 2428.00            | 36.39                  | 150            | H              | 149                 | -12.7                         | 54.91             | 18.52          |
| 2731.50            | 37.52                  | 200            | V              | 91                  | -11.7                         | 54.91             | 17.39          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

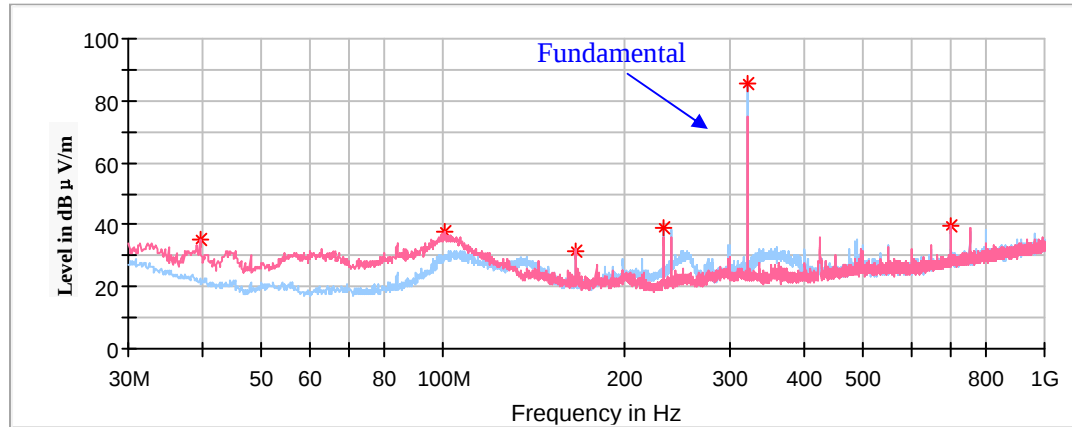
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 321.5MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



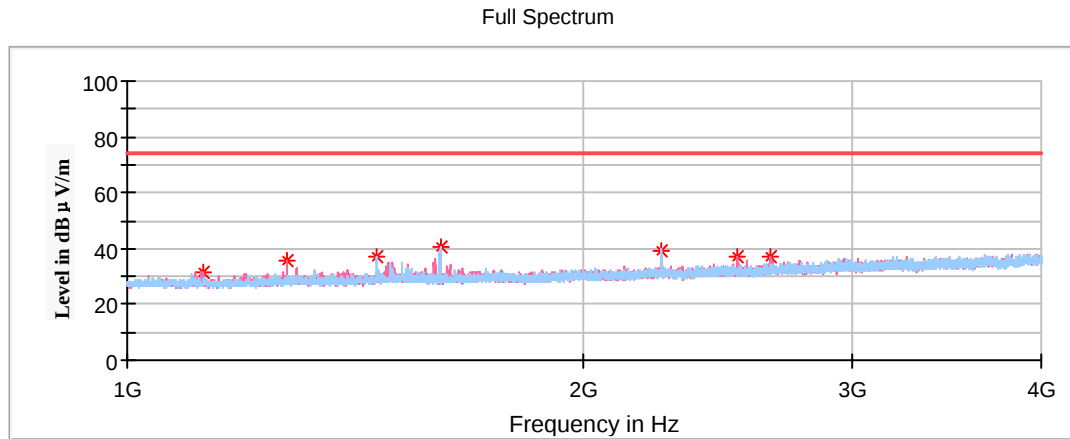
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 34.96               | 100         | V           | 12               | -10.9                   | 56.00          | 21.04       |
| 100.68          | 37.66               | 100         | V           | 214              | -14.8                   | 56.00          | 18.34       |
| 166.28          | 31.19               | 100         | V           | 92               | -13.0                   | 43.50          | 12.31       |
| 232.85          | 39.07               | 100         | H           | 72               | -13.7                   | 56.00          | 16.93       |
| 321.50          | 85.71               | 100         | H           | 110              | -10.5                   | 96.00          | 10.29       |
| 700.02          | 39.74               | 100         | H           | 353              | -3.0                    | 56.00          | 16.26       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 321.50          | 85.71                        | 100         | H           | -13.98                           | 71.73                        | 76.00                      | 4.27        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1122.40            | 31.81                  | 150            | V              | 221                 | -18.4                         | 54.00             | 22.19          |
| 1286.00            | 35.72                  | 150            | V              | 262                 | -17.6                         | 56.00             | 20.28          |
| 1460.20            | 36.93                  | 150            | H              | 185                 | -16.6                         | 54.00             | 17.07          |
| 1607.50            | 40.76                  | 200            | H              | 155                 | -16.0                         | 54.00             | 13.24          |
| 2250.50            | 38.93                  | 200            | V              | 292                 | -13.4                         | 54.00             | 15.07          |
| 2524.60            | 36.78                  | 200            | V              | 261                 | -12.3                         | 56.00             | 19.22          |
| 2654.50            | 36.98                  | 200            | V              | 261                 | -11.7                         | 56.00             | 19.02          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

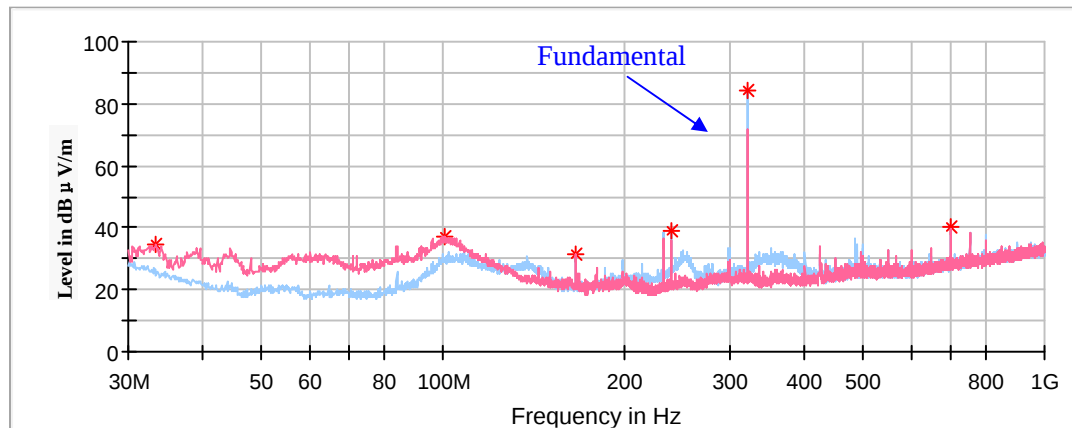
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 321.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



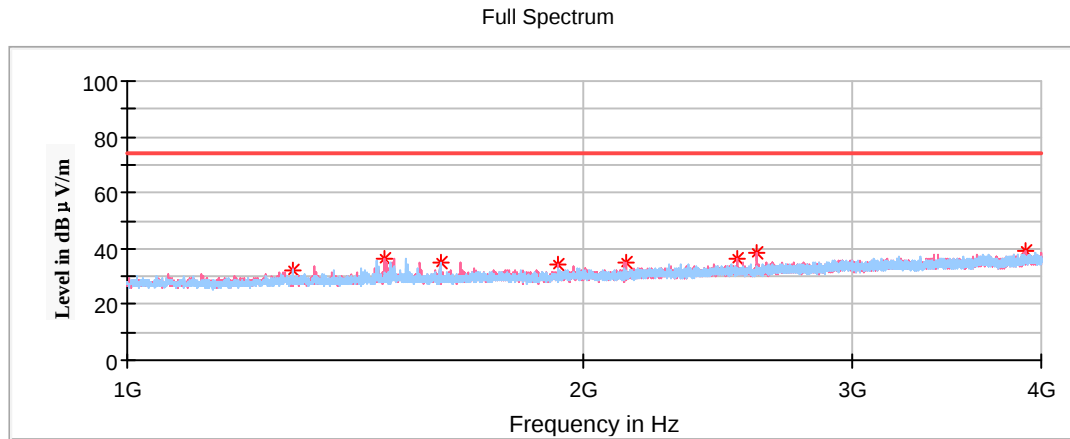
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 33.39           | 34.31               | 100         | V           | 96               | -6.9                    | 56.00          | 21.69       |
| 100.93          | 37.24               | 100         | V           | 289              | -14.8                   | 56.00          | 18.76       |
| 165.92          | 31.30               | 100         | V           | 119              | -13.0                   | 43.50          | 12.20       |
| 240.00          | 38.87               | 100         | H           | 88               | -13.5                   | 56.00          | 17.13       |
| 321.50          | 84.55               | 100         | H           | 225              | -10.5                   | 96.00          | 11.45       |
| 700.02          | 40.02               | 100         | H           | 359              | -3.0                    | 56.00          | 15.98       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 321.50          | 84.55                        | 100         | H           | -13.98                           | 70.57                        | 76.00                      | 5.43        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1286.00            | 32.16                  | 200            | H              | 208                 | -17.5                         | 56.00             | 23.84          |
| 1478.80            | 36.44                  | 150            | V              | 282                 | -16.5                         | 54.00             | 17.56          |
| 1607.50            | 34.81                  | 150            | H              | 150                 | -16.0                         | 54.00             | 19.19          |
| 1929.00            | 34.07                  | 200            | V              | 256                 | -14.8                         | 56.00             | 21.93          |
| 2128.30            | 35.20                  | 200            | V              | 83                  | -13.9                         | 56.00             | 20.80          |
| 2525.50            | 36.32                  | 150            | V              | 262                 | -12.3                         | 56.00             | 19.68          |
| 2572.00            | 38.16                  | 150            | V              | 272                 | -12.0                         | 56.00             | 17.84          |
| 3858.00            | 38.83                  | 150            | V              | 293                 | -7.3                          | 54.00             | 15.17          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

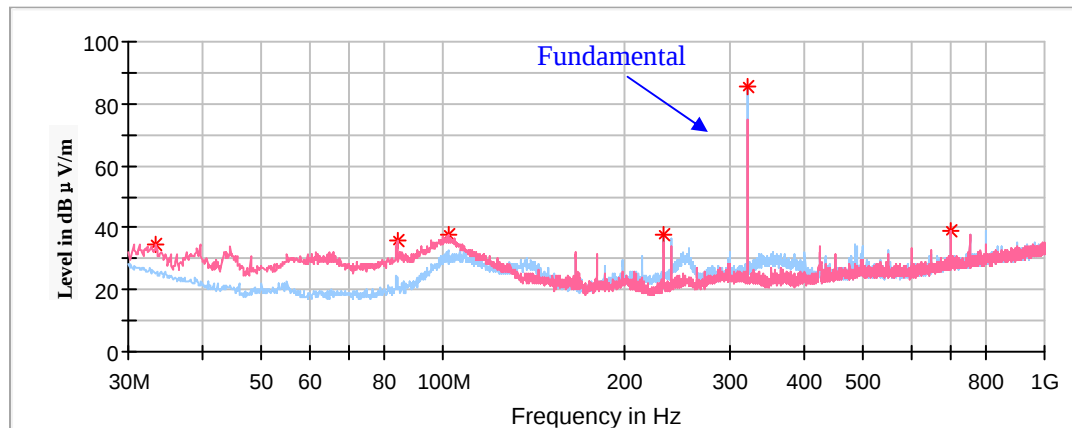
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 321.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



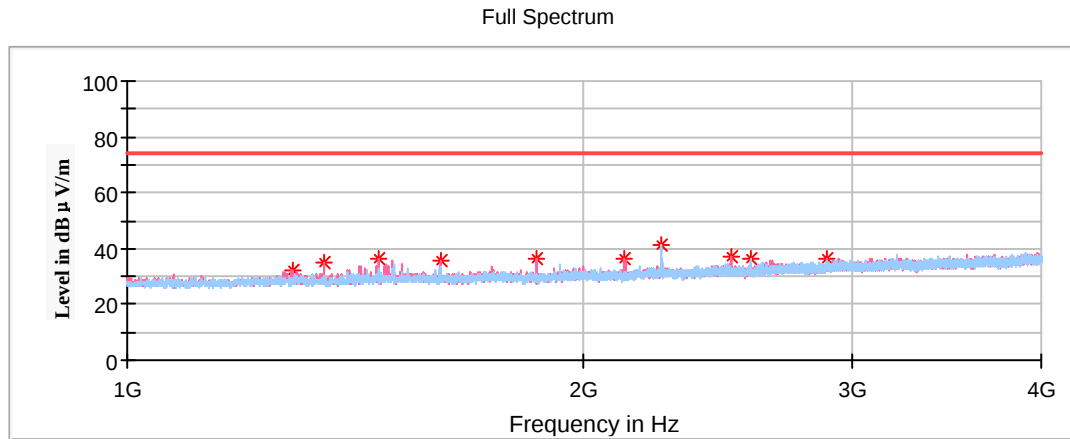
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 33.39           | 34.91               | 100         | V           | 112              | -6.9                    | 56.00          | 21.09       |
| 83.95           | 35.73               | 100         | V           | 17               | -17.9                   | 56.00          | 20.27       |
| 101.90          | 37.59               | 100         | V           | 234              | -14.7                   | 56.00          | 18.41       |
| 232.36          | 37.42               | 100         | H           | 66               | -13.7                   | 56.00          | 18.58       |
| 321.50          | 85.27               | 100         | H           | 119              | -10.5                   | 96.00          | 10.73       |
| 700.02          | 39.23               | 100         | H           | 359              | -3.0                    | 56.00          | 16.77       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 321.50          | 85.27                        | 100         | H           | -13.98                           | 71.29                        | 76.00                      | 4.71        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1286.00         | 31.94               | 150         | V           | 236              | -17.5                   | 56.00          | 24.06       |
| 1349.20         | 35.10               | 150         | V           | 256              | -17.2                   | 54.00          | 18.90       |
| 1462.90         | 36.61               | 150         | V           | 226              | -16.6                   | 54.00          | 17.39       |
| 1607.50         | 35.34               | 200         | V           | 77               | -16.0                   | 54.00          | 18.66       |
| 1929.00         | 36.64               | 150         | V           | 206              | -15.0                   | 56.00          | 19.36       |
| 2127.10         | 36.32               | 200         | V           | 87               | -13.9                   | 56.00          | 19.68       |
| 2250.50         | 41.32               | 200         | H           | 53               | -13.4                   | 54.00          | 12.68       |
| 2494.70         | 36.73               | 150         | V           | 277              | -12.4                   | 54.00          | 17.27       |
| 2572.00         | 36.24               | 200         | H           | 53               | -12.1                   | 56.00          | 19.76       |
| 2893.50         | 36.58               | 150         | V           | 104              | -10.6                   | 54.00          | 17.42       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

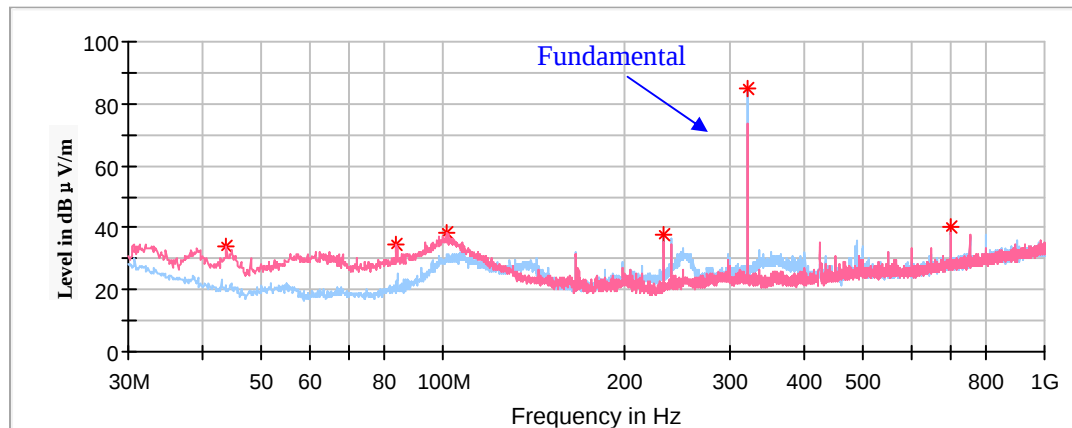
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 321.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



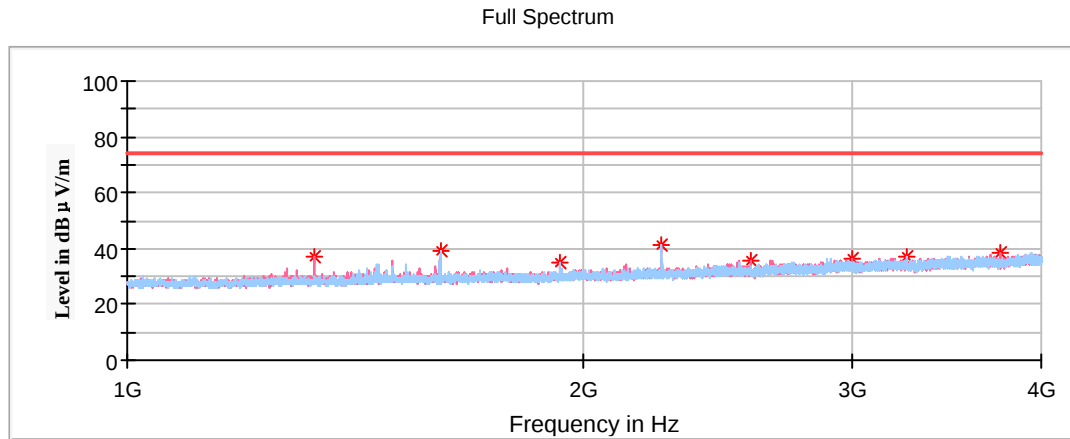
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 43.70           | 34.25               | 100         | V           | 112              | -13.8                   | 56.00          | 21.75       |
| 83.83           | 34.63               | 100         | V           | 227              | -17.9                   | 56.00          | 21.37       |
| 101.78          | 38.20               | 100         | V           | 234              | -14.7                   | 56.00          | 17.80       |
| 232.85          | 37.59               | 100         | H           | 48               | -13.7                   | 56.00          | 18.41       |
| 321.50          | 84.94               | 100         | H           | 209              | -10.5                   | 96.00          | 11.06       |
| 700.02          | 40.28               | 100         | H           | 348              | -3.0                    | 56.00          | 15.72       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 321.50          | 84.94                        | 100         | H           | -13.98                           | 70.96                        | 76.00                      | 5.04        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1286.00         | 37.18               | 150         | V           | 258              | -17.3                   | 56.00          | 18.82       |
| 1607.50         | 39.14               | 200         | H           | 145              | -16.0                   | 54.00          | 14.86       |
| 1929.00         | 34.91               | 200         | H           | 211              | -14.7                   | 56.00          | 21.09       |
| 2250.50         | 41.20               | 200         | H           | 6                | -13.4                   | 54.00          | 12.80       |
| 2572.00         | 35.95               | 150         | V           | 258              | -12.1                   | 56.00          | 20.05       |
| 3006.40         | 36.48               | 200         | V           | 265              | -10.1                   | 56.00          | 19.52       |
| 3215.00         | 36.77               | 200         | H           | 0                | -9.4                    | 56.00          | 19.23       |
| 3858.00         | 38.32               | 200         | V           | 255              | -7.9                    | 56.00          | 17.68       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

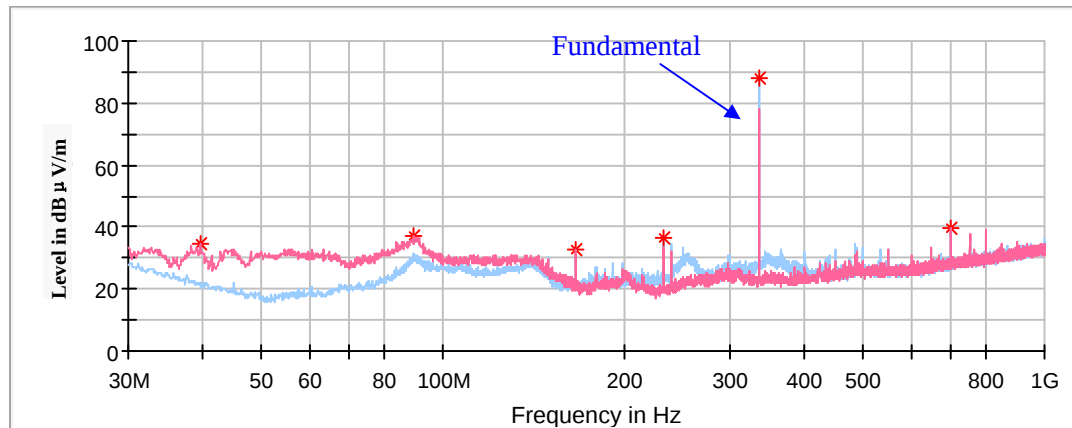
**For 350MHz Band:**

**For GFSK Modulation:**

**Low Channel: 336.00MHz (ANT 1)**

**30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



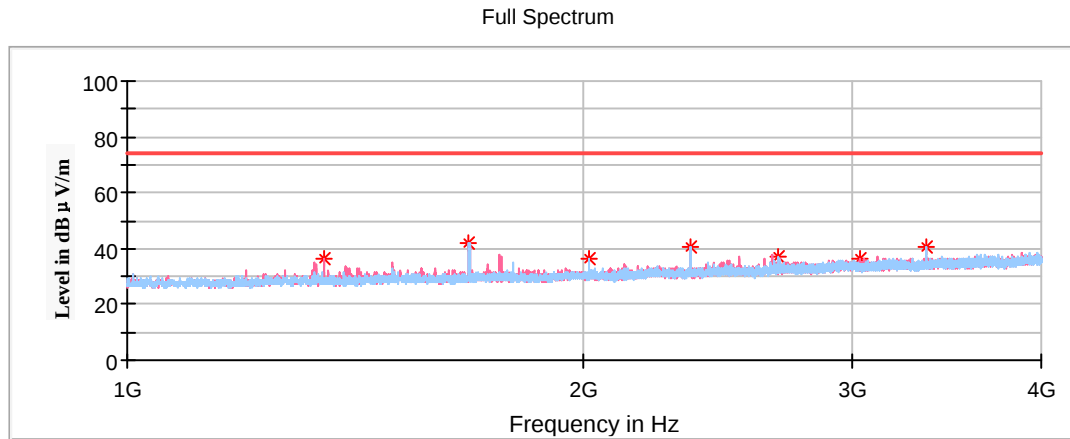
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 34.42               | 100         | V           | 41               | -10.9                   | 56.80          | 22.38       |
| 89.65           | 36.89               | 100         | V           | 234              | -17.6                   | 56.80          | 19.91       |
| 166.28          | 32.57               | 100         | V           | 132              | -13.0                   | 43.50          | 10.93       |
| 232.36          | 36.76               | 100         | H           | 253              | -13.7                   | 56.80          | 20.04       |
| 336.00          | 88.34               | 100         | H           | 41               | -10.2                   | 96.80          | 8.46        |
| 700.02          | 39.74               | 100         | V           | 318              | -3.0                    | 56.80          | 17.06       |

#### Field Strength of Average Emission

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 336.00          | 88.34                        | 100         | H           | -13.98                           | 74.36                        | 76.80                      | 2.44        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1344.00            | 36.12                  | 200            | V              | 63                  | -17.2                         | 54.00             | 17.88          |
| 1680.00            | 42.01                  | 150            | H              | 85                  | -15.7                         | 54.00             | 11.99          |
| 2016.00            | 36.02                  | 200            | H              | 246                 | -14.4                         | 56.80             | 20.78          |
| 2352.00            | 40.83                  | 150            | H              | 254                 | -13.0                         | 54.00             | 13.17          |
| 2688.00            | 36.98                  | 150            | H              | 295                 | -11.5                         | 56.80             | 19.82          |
| 3024.00            | 36.14                  | 200            | V              | 257                 | -10.0                         | 56.80             | 20.66          |
| 3360.00            | 40.89                  | 200            | H              | 124                 | -9.2                          | 56.80             | 15.91          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

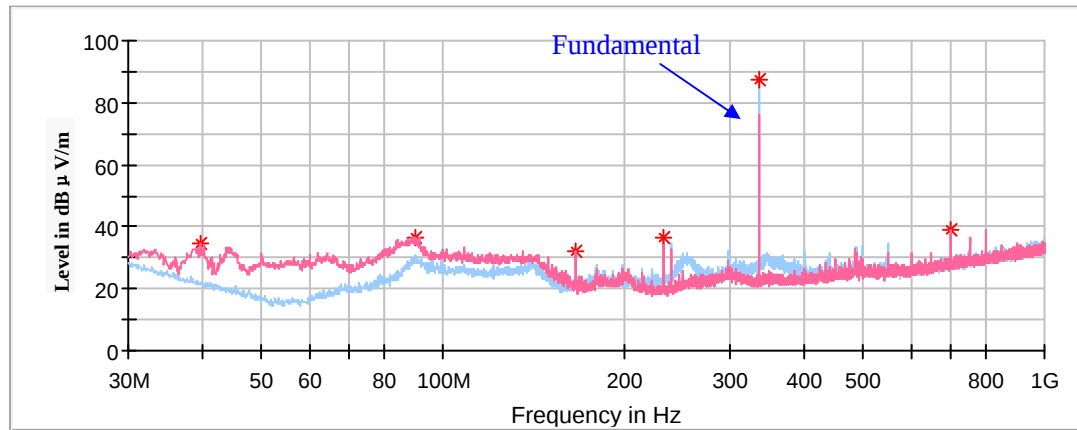
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 336.00MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



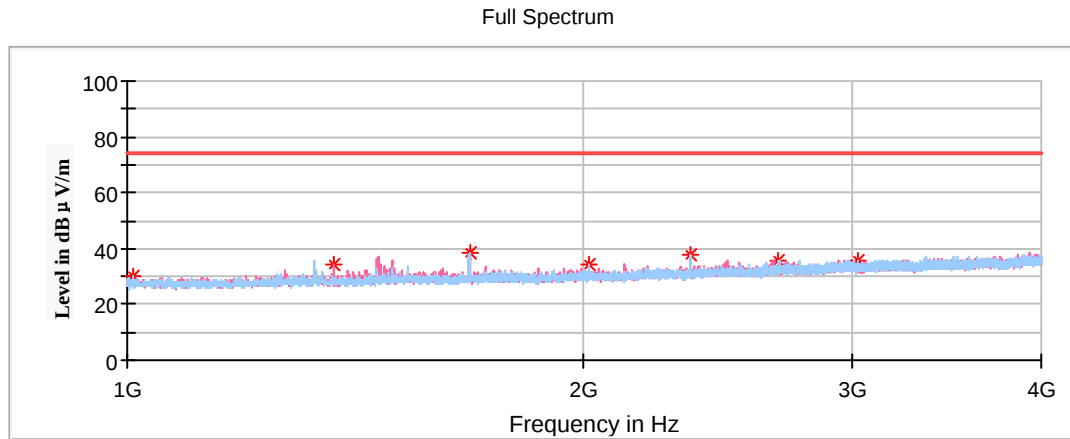
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 34.74               | 100         | V           | 94               | -10.9                   | 56.80          | 22.06       |
| 90.01           | 36.66               | 100         | V           | 281              | -17.6                   | 56.80          | 20.14       |
| 165.92          | 32.21               | 100         | V           | 184              | -13.0                   | 43.50          | 11.29       |
| 232.36          | 36.79               | 100         | H           | 264              | -13.7                   | 56.80          | 20.01       |
| 336.00          | 87.66               | 100         | H           | 71               | -10.2                   | 96.80          | 9.14        |
| 700.02          | 38.97               | 100         | V           | 294              | -3.0                    | 56.80          | 17.83       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 336.00          | 87.66                        | 100         | H           | -13.98                           | 73.68                        | 76.80                      | 3.12        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1008.00            | 30.25                  | 150            | H              | 253                 | -19.0                         | 54.00             | 23.75          |
| 1344.00            | 34.18                  | 200            | V              | 258                 | -17.1                         | 54.00             | 19.82          |
| 1680.00            | 38.18                  | 150            | H              | 243                 | -15.7                         | 54.00             | 15.82          |
| 2016.00            | 34.54                  | 150            | H              | 263                 | -14.4                         | 56.80             | 22.26          |
| 2352.00            | 37.95                  | 200            | H              | 317                 | -13.0                         | 54.00             | 16.05          |
| 2688.00            | 35.62                  | 200            | H              | 143                 | -11.5                         | 56.80             | 21.18          |
| 3024.00            | 35.61                  | 200            | H              | 82                  | -10.0                         | 56.80             | 21.19          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

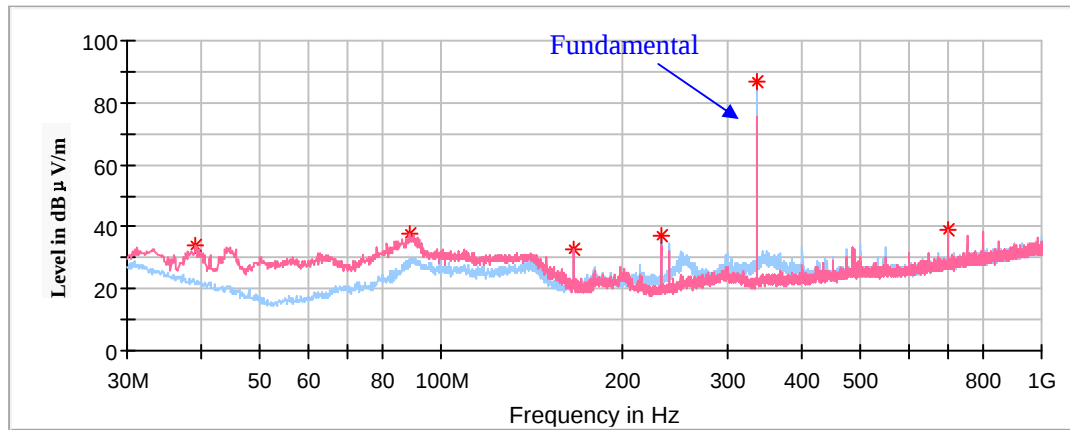
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 336.00MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



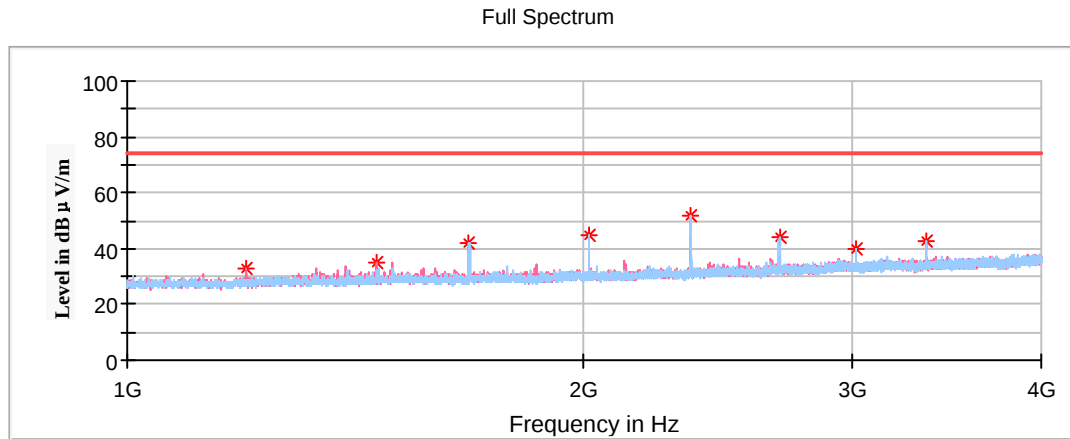
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.09           | 34.16               | 100         | V           | 100              | -10.7                   | 56.80          | 22.64       |
| 88.44           | 37.55               | 100         | V           | 275              | -17.7                   | 56.80          | 19.25       |
| 166.28          | 32.78               | 100         | V           | 148              | -13.0                   | 43.50          | 10.72       |
| 232.36          | 37.41               | 100         | H           | 240              | -13.7                   | 56.80          | 19.39       |
| 336.00          | 87.01               | 100         | H           | 34               | -10.2                   | 96.80          | 9.79        |
| 700.02          | 39.17               | 100         | V           | 312              | -3.0                    | 56.80          | 17.63       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 336.00          | 87.01                        | 100         | H           | -13.98                           | 73.03                        | 76.80                      | 3.77        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1198.00            | 32.62                  | 150            | V              | 286                 | -18.0                         | 54.00             | 21.38          |
| 1459.00            | 35.15                  | 200            | V              | 258                 | -16.6                         | 54.00             | 18.85          |
| 1680.00            | 42.04                  | 200            | H              | 336                 | -15.7                         | 54.00             | 11.96          |
| 2016.00            | 45.01                  | 150            | H              | 288                 | -14.4                         | 56.80             | 11.79          |
| 2352.00            | 52.03                  | 200            | H              | 297                 | -13.0                         | 54.00             | 1.97           |
| 2688.00            | 43.74                  | 200            | H              | 113                 | -11.5                         | 56.80             | 13.06          |
| 3024.00            | 40.04                  | 150            | H              | 319                 | -10.0                         | 56.80             | 16.76          |
| 3360.00            | 42.99                  | 200            | H              | 286                 | -9.2                          | 54.00             | 11.01          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

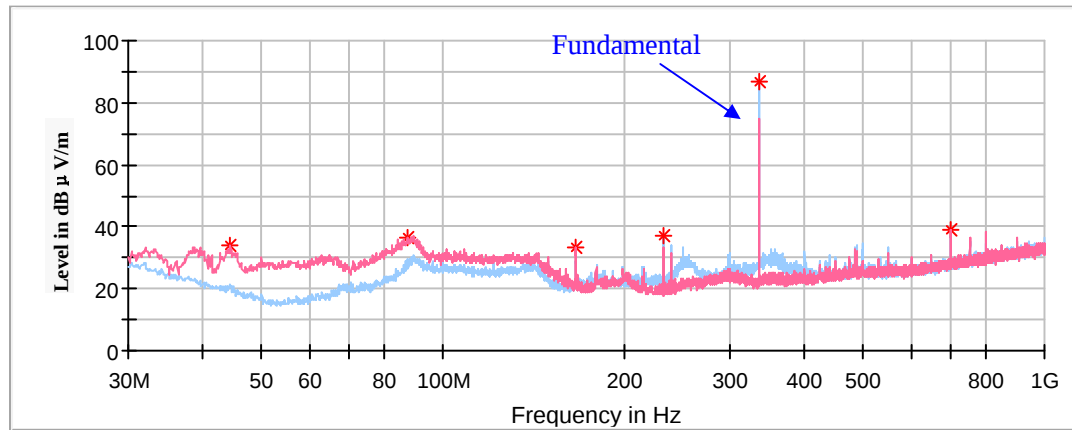
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 336.00MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



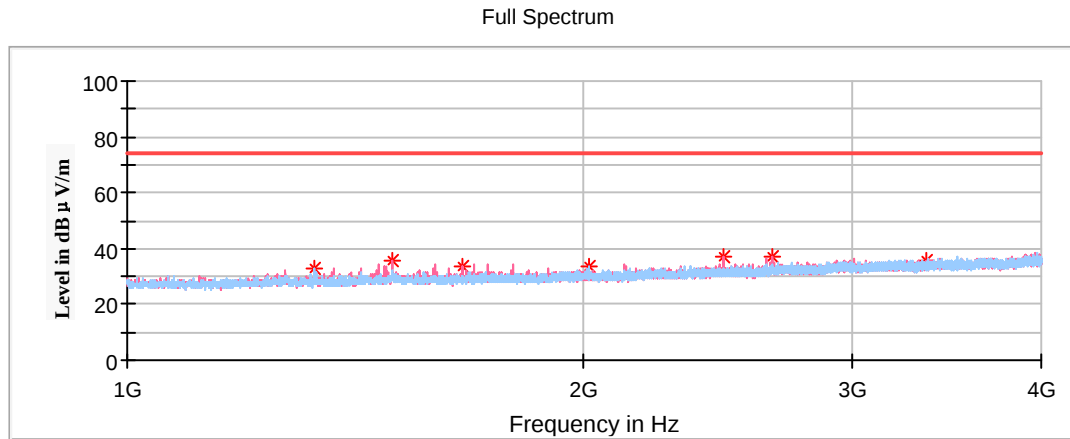
| Frequency (MHz) | Corrected Amplitude    | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dB $\mu$ V/m) | Margin (dB) |
|-----------------|------------------------|-------------|-------------|------------------|-------------------------|----------------------|-------------|
|                 | MaxPeak (dB $\mu$ V/m) | Height (cm) | Polar (H/V) |                  |                         |                      |             |
| 44.30           | 33.72                  | 100         | V           | 144              | -14.2                   | 56.80                | 23.08       |
| 87.35           | 36.37                  | 100         | V           | 275              | -17.7                   | 56.80                | 20.43       |
| 166.28          | 33.03                  | 100         | V           | 162              | -13.0                   | 43.50                | 10.47       |
| 232.85          | 37.24                  | 100         | H           | 244              | -13.7                   | 56.80                | 19.56       |
| 336.00          | 87.02                  | 100         | H           | 37               | -10.2                   | 96.80                | 9.78        |
| 700.02          | 38.98                  | 100         | V           | 119              | -3.0                    | 56.80                | 17.82       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dB $\mu$ V/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dB $\mu$ V/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------------|-------------|-------------|----------------------------------|------------------------------------|----------------------------|-------------|
|                 |                                    |             |             |                                  |                                    | Limit (dB $\mu$ V/m)       | Margin (dB) |
| 336.00          | 87.02                              | 100         | H           | -13.98                           | 73.04                              | 76.80                      | 3.76        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1328.20            | 32.91                  | 150            | H              | 181                 | -17.3                         | 54.00             | 21.09          |
| 1494.70            | 35.33                  | 150            | V              | 190                 | -16.4                         | 54.00             | 18.67          |
| 1680.00            | 33.60                  | 200            | V              | 155                 | -15.7                         | 54.00             | 20.40          |
| 2016.00            | 33.88                  | 200            | H              | 297                 | -14.4                         | 56.80             | 22.92          |
| 2467.90            | 36.79                  | 200            | V              | 267                 | -12.6                         | 56.80             | 20.01          |
| 2688.00            | 36.96                  | 150            | V              | 282                 | -11.7                         | 56.80             | 19.84          |
| 3360.00            | 35.87                  | 200            | V              | 318                 | -9.2                          | 54.00             | 18.13          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

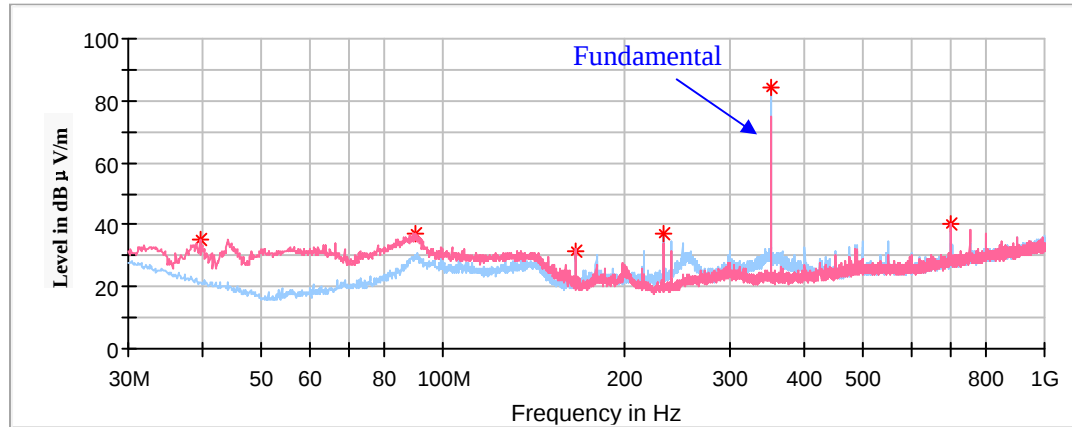
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 350.50MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



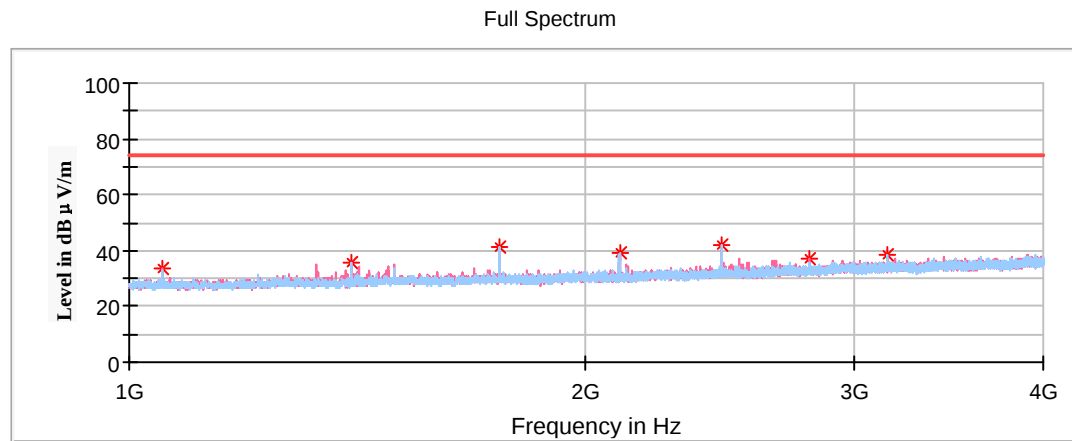
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 34.92               | 100         | V           | 76               | -10.9                   | 57.53          | 22.61       |
| 90.01           | 36.80               | 100         | V           | 265              | -17.6                   | 57.53          | 20.73       |
| 166.28          | 31.75               | 100         | V           | 173              | -13.0                   | 43.50          | 11.75       |
| 232.73          | 37.29               | 100         | H           | 242              | -13.7                   | 57.53          | 20.24       |
| 350.50          | 84.50               | 100         | H           | 339              | -9.8                    | 97.53          | 13.03       |
| 700.02          | 40.43               | 100         | V           | 308              | -3.0                    | 77.53          | 37.10       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 350.50          | 84.50                        | 100         | H           | -13.98                           | 70.52                        | 77.53                      | 7.01        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1051.50            | 33.25                  | 150            | V              | 355                 | -18.8                         | 54.00             | 20.75          |
| 1402.00            | 35.33                  | 150            | H              | 255                 | -16.9                         | 54.00             | 18.67          |
| 1752.50            | 41.00                  | 150            | V              | 337                 | -15.4                         | 57.53             | 16.53          |
| 2103.00            | 38.83                  | 200            | H              | 288                 | -14.0                         | 57.53             | 18.70          |
| 2453.50            | 41.74                  | 200            | H              | 258                 | -12.6                         | 57.53             | 15.79          |
| 2804.00            | 37.36                  | 200            | V              | 351                 | -11.0                         | 54.00             | 16.64          |
| 3154.50            | 38.18                  | 200            | H              | 319                 | -9.7                          | 57.53             | 19.35          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

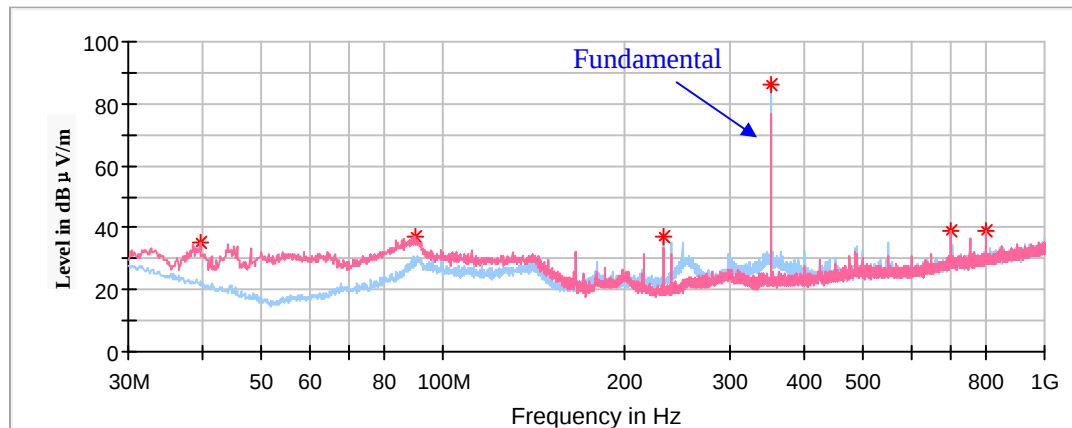
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 350.50MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



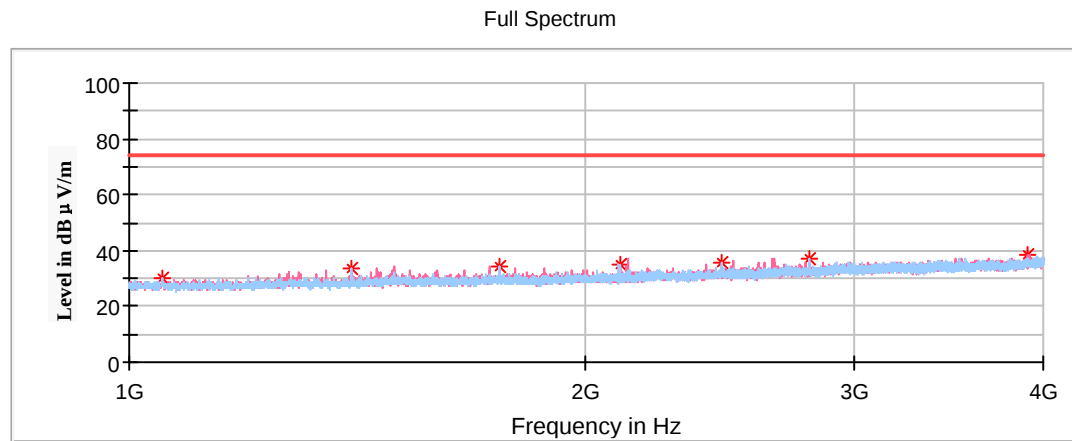
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 34.94               | 100         | V           | 102              | -10.9                   | 57.53          | 22.59       |
| 89.77           | 36.93               | 100         | V           | 230              | -17.6                   | 57.53          | 20.60       |
| 232.36          | 37.18               | 100         | H           | 242              | -13.7                   | 57.53          | 20.35       |
| 350.50          | 86.14               | 100         | H           | 73               | -9.8                    | 97.53          | 11.39       |
| 700.02          | 38.80               | 100         | V           | 307              | -3.0                    | 57.53          | 18.73       |
| 800.00          | 38.90               | 100         | V           | 307              | -1.4                    | 57.53          | 18.63       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 350.50          | 86.14                        | 100         | H           | -13.98                           | 72.16                        | 77.53                      | 5.37        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1051.50            | 29.97                  | 150            | V              | 308                 | -18.8                         | 54.00             | 24.03          |
| 1402.00            | 33.37                  | 150            | H              | 251                 | -16.9                         | 54.00             | 20.63          |
| 1752.50            | 34.38                  | 150            | V              | 336                 | -15.4                         | 57.53             | 23.15          |
| 2103.00            | 35.18                  | 150            | H              | 272                 | -14.0                         | 57.53             | 22.35          |
| 2453.50            | 35.35                  | 200            | H              | 255                 | -12.6                         | 57.53             | 22.18          |
| 2804.00            | 37.01                  | 150            | H              | 261                 | -11.0                         | 54.00             | 16.99          |
| 3912.10            | 38.51                  | 150            | V              | 122                 | -7.3                          | 54.00             | 15.49          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

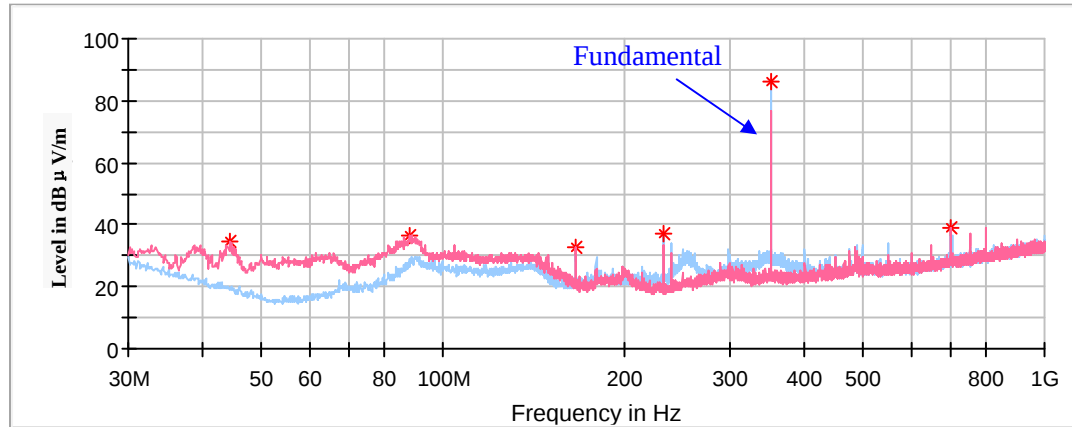
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 350.50MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.30           | 34.56               | 100         | V           | 81               | -14.2                   | 57.53          | 22.97       |
| 87.95           | 36.36               | 100         | V           | 319              | -17.7                   | 57.53          | 21.17       |
| 166.28          | 32.42               | 100         | V           | 166              | -13.0                   | 43.50          | 11.08       |
| 232.36          | 37.24               | 100         | H           | 243              | -13.7                   | 57.53          | 20.29       |
| 350.00          | 86.19               | 100         | H           | 316              | -9.8                    | 97.53          | 11.34       |
| 700.02          | 39.11               | 100         | V           | 312              | -3.0                    | 77.53          | 38.42       |

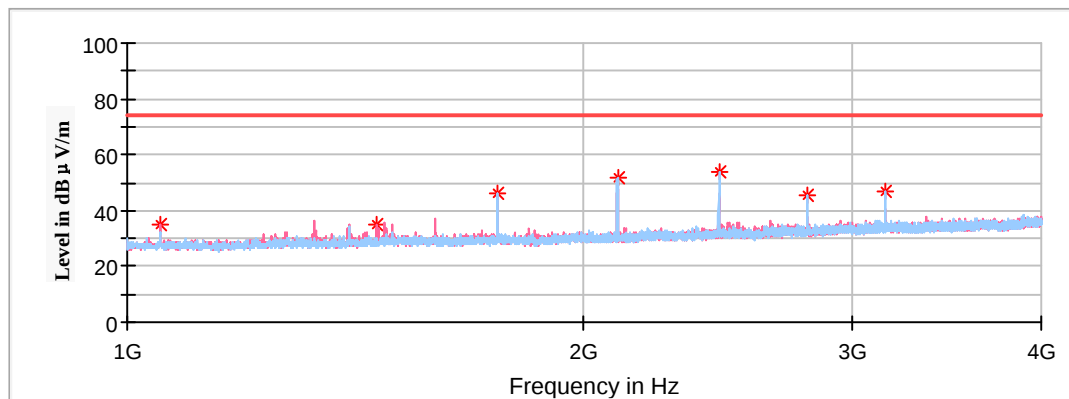
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 350.50          | 86.19                        | 100         | H           | -13.98                           | 72.21                        | 77.53                      | 5.32        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1051.50         | 34.62               | 150         | V           | 354              | -18.8                   | 54.00          | 19.38       |
| 1402.00         | 35.13               | 150         | V           | 285              | -16.6                   | 54.00          | 18.87       |
| 1752.50         | 46.04               | 200         | H           | 336              | -15.4                   | 57.53          | 11.49       |
| 2103.00         | 52.03               | 150         | H           | 287              | -14.0                   | 57.53          | 5.50        |
| 2453.50         | 53.95               | 150         | H           | 135              | -12.6                   | 57.53          | 3.58        |
| 2804.00         | 45.52               | 150         | H           | 267              | -11.0                   | 54.00          | 8.48        |
| 3154.50         | 46.57               | 200         | H           | 276              | -9.7                    | 57.53          | 10.96       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

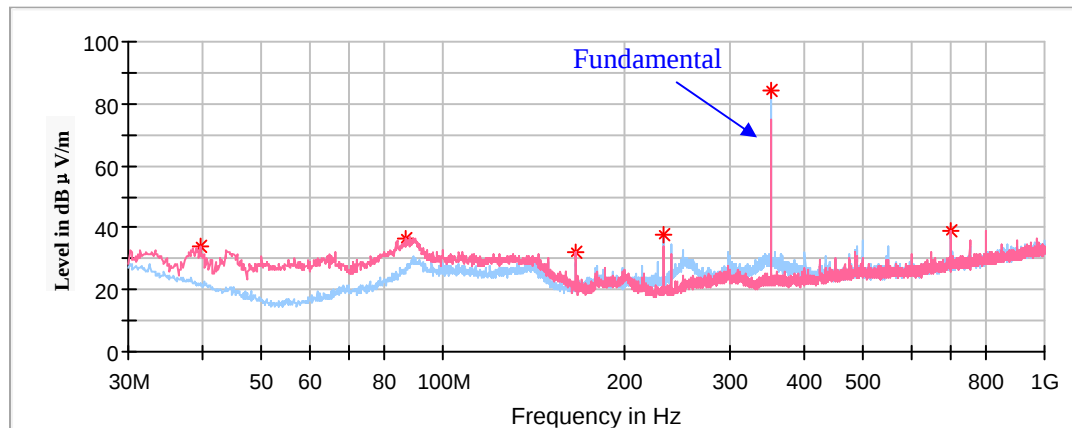
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 350.50MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



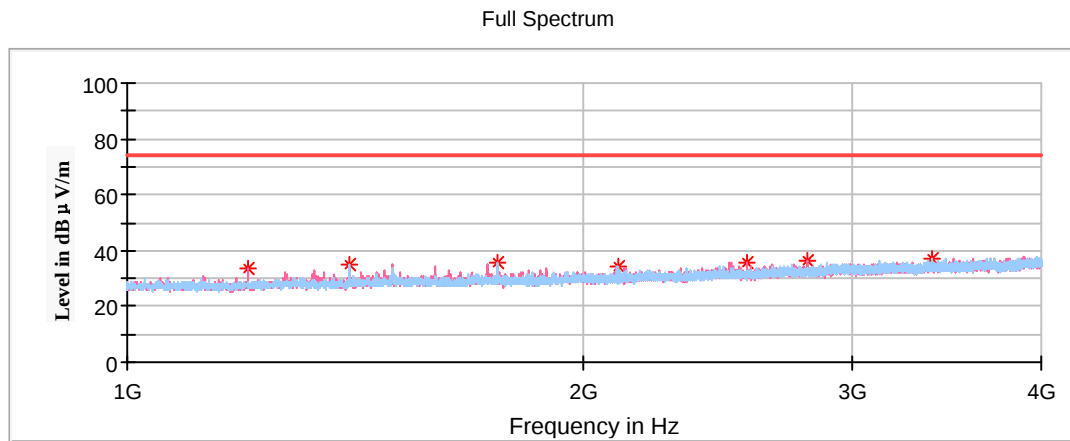
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 34.12               | 100         | V           | 93               | -10.9                   | 57.53          | 23.41       |
| 86.62           | 36.62               | 100         | V           | 282              | -17.8                   | 57.53          | 20.91       |
| 166.28          | 32.28               | 100         | V           | 149              | -13.0                   | 43.50          | 11.22       |
| 232.85          | 37.49               | 100         | H           | 240              | -13.7                   | 57.53          | 20.04       |
| 350.50          | 84.03               | 100         | H           | 59               | -9.8                    | 97.53          | 13.50       |
| 700.02          | 39.24               | 100         | V           | 307              | -3.0                    | 77.53          | 38.29       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 350.50          | 84.03                        | 100         | H           | -13.98                           | 70.05                        | 77.53                      | 7.48        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1200.10         | 33.42               | 150         | V           | 272              | -18.0                   | 54.00          | 20.58       |
| 1402.00         | 35.15               | 150         | H           | 251              | -16.9                   | 54.00          | 18.85       |
| 1752.50         | 35.50               | 200         | H           | 124              | -15.4                   | 57.53          | 22.03       |
| 2103.00         | 34.54               | 200         | H           | 297              | -14.0                   | 57.53          | 22.99       |
| 2559.70         | 35.42               | 150         | V           | 272              | -12.1                   | 57.53          | 22.11       |
| 2804.00         | 36.09               | 200         | V           | 187              | -11.0                   | 54.00          | 17.91       |
| 3387.10         | 37.03               | 150         | H           | 359              | -9.1                    | 57.53          | 20.50       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

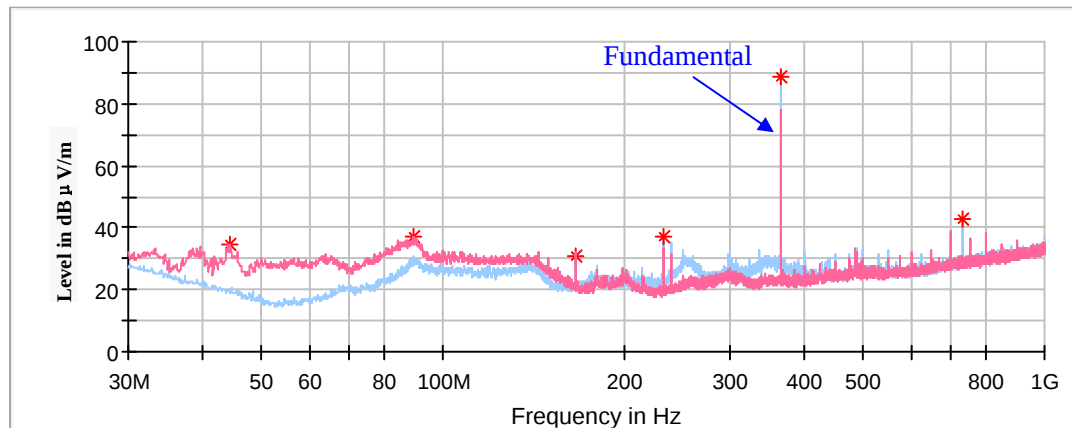
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 364.99MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



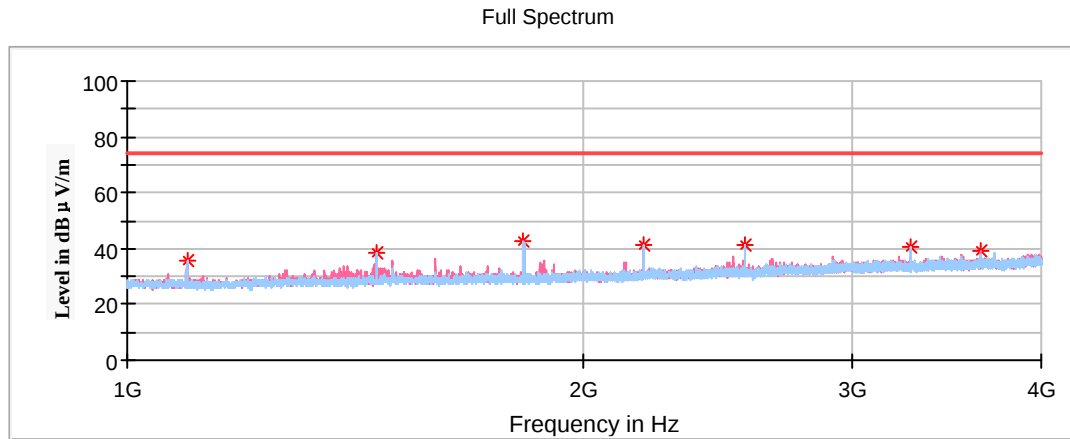
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.30           | 34.41               | 100         | V           | 76               | -14.2                   | 58.20          | 23.79       |
| 89.17           | 36.99               | 100         | V           | 240              | -17.6                   | 58.20          | 21.21       |
| 166.04          | 30.82               | 100         | V           | 187              | -13.0                   | 43.50          | 12.68       |
| 232.36          | 36.81               | 100         | H           | 245              | -13.7                   | 58.20          | 21.39       |
| 364.99          | 88.49               | 100         | H           | 328              | -9.5                    | 98.20          | 9.71        |
| 729.98          | 42.88               | 100         | H           | 322              | -2.6                    | 78.20          | 35.32       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 364.99          | 88.49                        | 100         | H           | -13.98                           | 74.51                        | 78.20                      | 3.69        |
| 729.98          | 42.88                        | 100         | H           | -13.98                           | 28.90                        | 58.20                      | 29.30       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1094.97            | 35.97                  | 200            | H              | 246                 | -18.6                         | 54.00             | 18.03          |
| 1459.96            | 38.14                  | 150            | H              | 247                 | -16.6                         | 54.00             | 15.86          |
| 1824.95            | 42.70                  | 150            | H              | 257                 | -15.1                         | 58.20             | 15.50          |
| 2189.94            | 41.13                  | 200            | H              | 277                 | -13.7                         | 58.20             | 17.07          |
| 2554.93            | 41.49                  | 200            | H              | 144                 | -12.2                         | 58.20             | 16.71          |
| 3284.91            | 40.54                  | 200            | H              | 318                 | -9.4                          | 58.20             | 17.66          |
| 3649.90            | 39.37                  | 200            | V              | 87                  | -8.3                          | 54.00             | 14.63          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

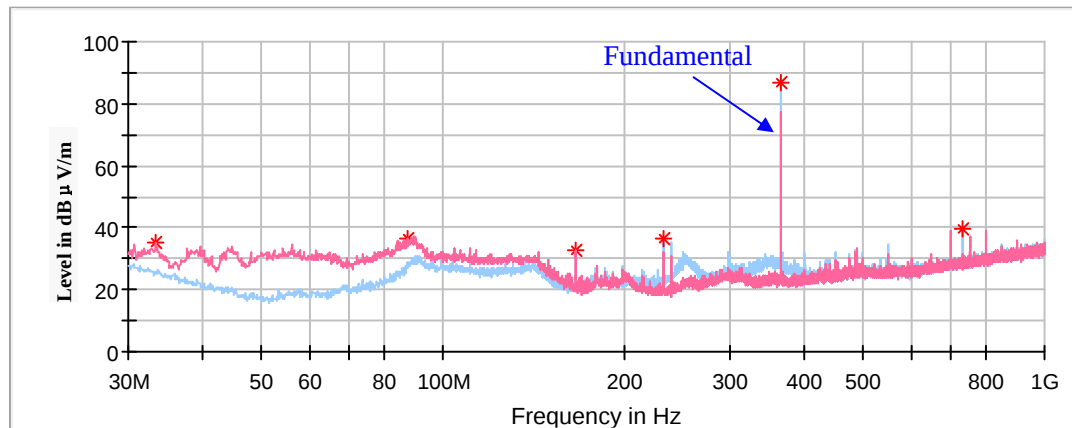
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 364.99MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



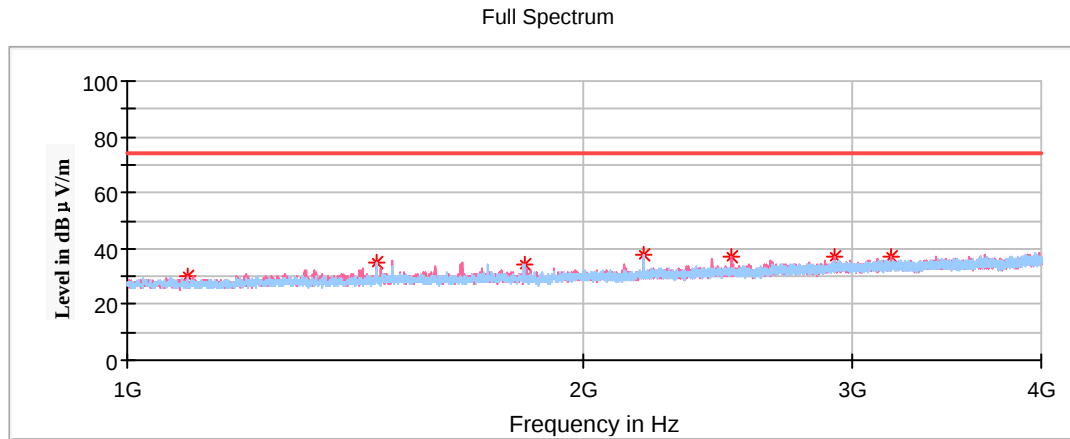
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 33.39           | 35.31               | 100         | V           | 144              | -6.9                    | 58.20          | 22.89       |
| 87.59           | 36.58               | 100         | V           | 314              | -17.7                   | 58.20          | 21.62       |
| 165.92          | 32.58               | 100         | V           | 144              | -13.0                   | 43.50          | 10.92       |
| 232.85          | 36.49               | 200         | H           | 78               | -13.7                   | 58.20          | 21.71       |
| 364.99          | 86.48               | 100         | H           | 61               | -9.5                    | 98.20          | 11.72       |
| 729.98          | 39.73               | 100         | H           | 61               | -2.6                    | 78.20          | 38.47       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 364.99          | 86.48                        | 100         | H           | -13.98                           | 72.50                        | 78.20                      | 5.70        |
| 729.98          | 39.73                        | 100         | H           | -13.98                           | 25.75                        | 58.20                      | 32.45       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1094.97            | 29.83                  | 200            | V              | 207                 | -18.6                         | 54.00             | 24.17          |
| 1459.96            | 34.70                  | 150            | H              | 248                 | -16.6                         | 58.20             | 23.50          |
| 1824.95            | 34.17                  | 200            | V              | 156                 | -15.1                         | 58.20             | 24.03          |
| 2189.94            | 37.71                  | 200            | H              | 278                 | -13.7                         | 58.20             | 20.49          |
| 2498.80            | 37.11                  | 150            | V              | 281                 | -12.4                         | 54.00             | 16.89          |
| 2919.92            | 36.96                  | 200            | V              | 329                 | -10.5                         | 58.20             | 21.24          |
| 3184.30            | 37.01                  | 200            | V              | 354                 | -9.6                          | 58.20             | 21.19          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

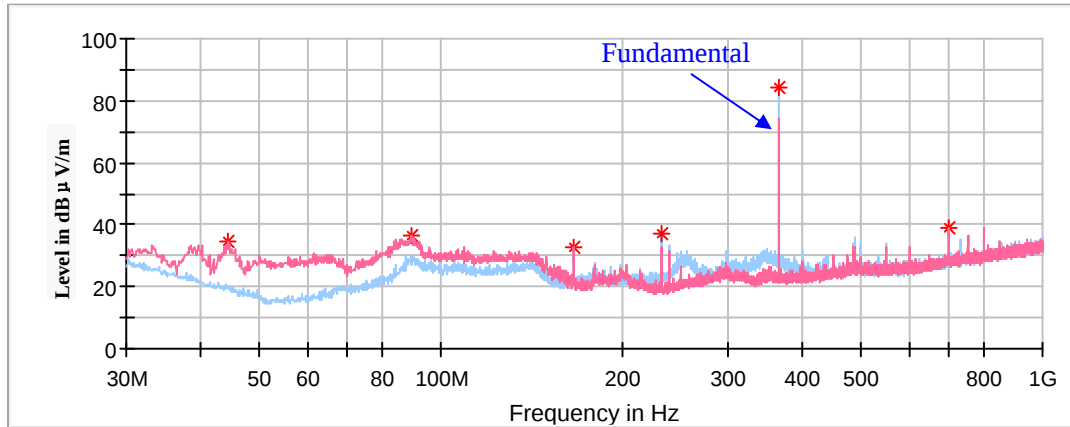
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 364.99MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.30           | 34.55               | 100         | V           | 82               | -14.2                   | 58.20          | 23.65       |
| 89.41           | 36.35               | 100         | V           | 270              | -17.6                   | 58.20          | 21.85       |
| 165.92          | 32.71               | 100         | V           | 191              | -13.0                   | 43.50          | 10.79       |
| 232.85          | 37.30               | 100         | H           | 233              | -13.7                   | 58.20          | 20.90       |
| 364.99          | 84.20               | 100         | H           | 318              | -9.5                    | 98.20          | 14.00       |
| 700.02          | 39.04               | 100         | V           | 209              | -3.0                    | 78.20          | 39.16       |

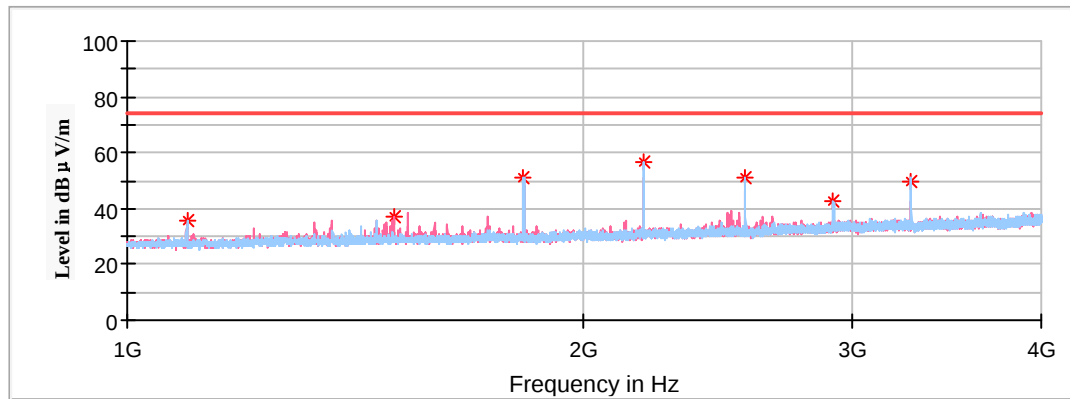
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 364.99          | 84.20                        | 100         | H           | -13.98                           | 70.22                        | 78.20                      | 7.98        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1094.97         | 35.81               | 200         | H           | 243              | -18.6                   | 74.00          | 38.19       |
| 1459.96         | 37.00               | 150         | V           | 235              | -16.4                   | 74.00          | 37.00       |
| 1824.95         | 50.83               | 150         | H           | 330              | -15.1                   | 78.20          | 27.37       |
| 2189.94         | 56.63               | 200         | H           | 305              | -13.7                   | 78.20          | 21.57       |
| 2554.93         | 51.19               | 200         | H           | 146              | -12.2                   | 78.20          | 27.01       |
| 2919.92         | 42.35               | 150         | H           | 320              | -10.5                   | 78.20          | 35.85       |
| 3284.91         | 49.59               | 200         | H           | 284              | -9.4                    | 78.20          | 28.61       |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1094.97            | 35.81                              | 200            | H              | -13.98                                 | 21.83                              | 54.00                         | 32.17          |
| 1459.96            | 37.00                              | 150            | V              | -13.98                                 | 23.02                              | 54.00                         | 30.98          |
| 1824.95            | 50.83                              | 150            | H              | -13.98                                 | 36.85                              | 58.20                         | 21.35          |
| 2189.94            | 56.63                              | 200            | H              | -13.98                                 | 42.65                              | 58.20                         | 15.55          |
| 2554.93            | 51.19                              | 200            | H              | -13.98                                 | 37.21                              | 58.20                         | 20.99          |
| 2919.92            | 42.35                              | 150            | H              | -13.98                                 | 28.37                              | 58.20                         | 29.83          |
| 3284.91            | 49.59                              | 200            | H              | -13.98                                 | 35.61                              | 58.20                         | 22.59          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

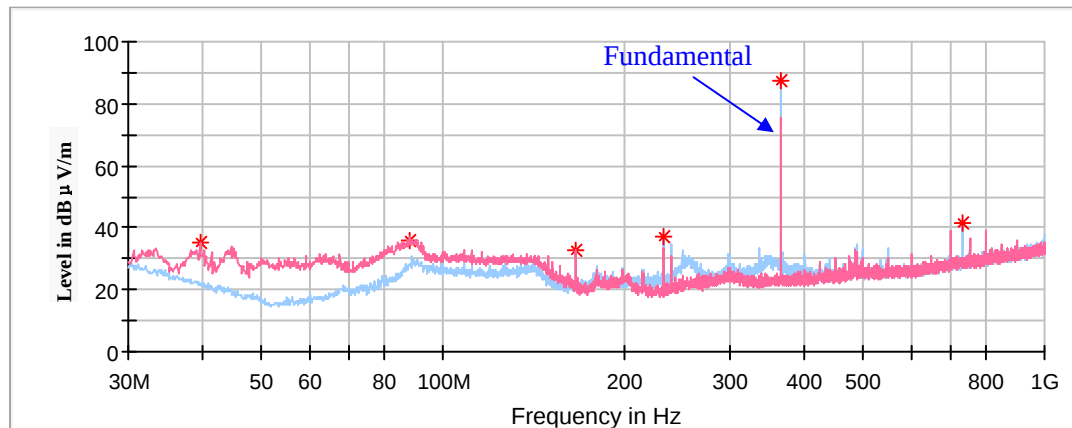
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**High Channel: 364.99MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



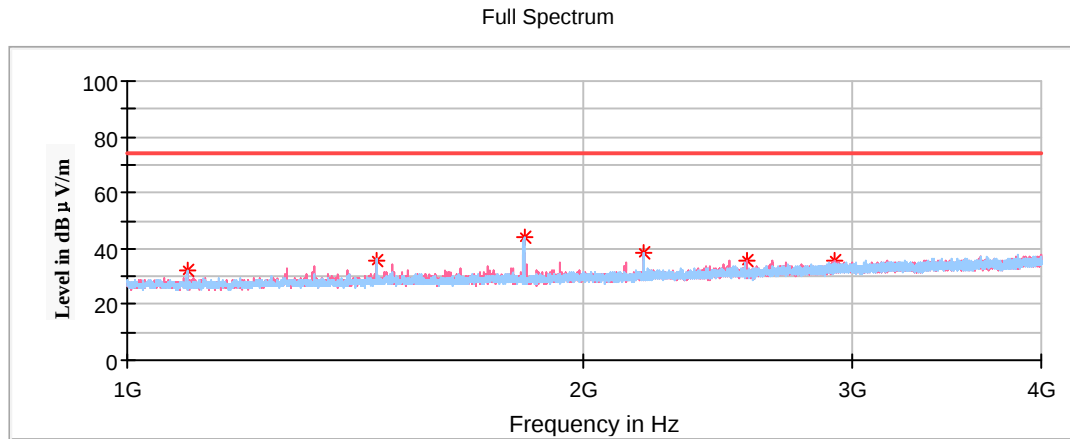
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 35.21               | 100         | V           | 82               | -10.9                   | 58.20          | 22.99       |
| 87.83           | 35.72               | 100         | V           | 314              | -17.7                   | 58.20          | 22.48       |
| 165.92          | 32.57               | 100         | V           | 137              | -13.0                   | 43.50          | 10.93       |
| 232.36          | 36.96               | 200         | H           | 248              | -13.7                   | 58.20          | 21.24       |
| 364.99          | 87.61               | 100         | H           | 324              | -9.5                    | 98.20          | 10.59       |
| 729.98          | 41.27               | 100         | H           | 318              | -2.6                    | 78.20          | 36.93       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 364.99          | 87.61                        | 100         | H           | -13.98                           | 73.63                        | 78.20                      | 4.57        |
| 729.98          | 41.27                        | 100         | H           | -13.98                           | 27.29                        | 58.20                      | 30.91       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1094.97         | 32.22               | 200         | H           | 97               | -18.6                   | 54.00          | 21.78       |
| 1459.96         | 35.83               | 200         | H           | 108              | -16.6                   | 54.00          | 18.17       |
| 1824.95         | 43.73               | 150         | H           | 268              | -15.1                   | 58.20          | 14.47       |
| 2189.94         | 38.69               | 200         | H           | 87               | -13.7                   | 58.20          | 19.51       |
| 2554.93         | 35.71               | 200         | V           | 74               | -12.1                   | 58.20          | 22.49       |
| 2919.92         | 35.44               | 200         | V           | 356              | -10.5                   | 58.20          | 22.76       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

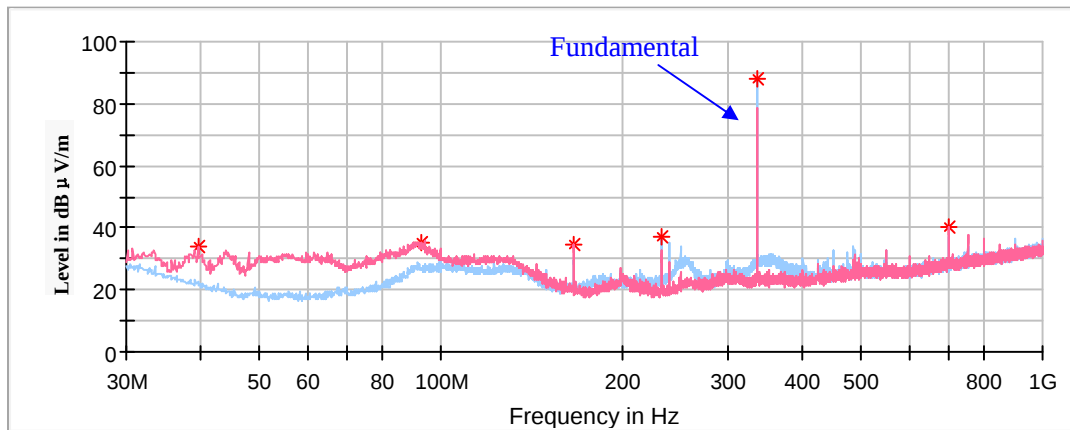
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**For OOK Modulation:****Low Channel: 336.00MHz (ANT 1)****30MHz-1GHz***(Pre-scan in the X,Y and Z axes of orientation, the worst case Z-axis of orientation was recorded.)*

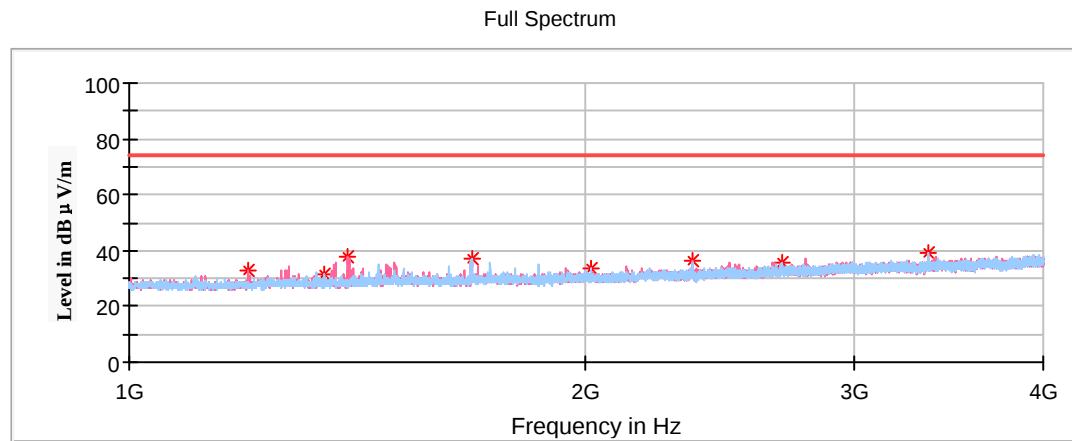
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 33.70               | 100         | V           | 93               | -10.9                   | 56.80          | 23.10       |
| 92.80           | 35.34               | 100         | V           | 300              | -16.9                   | 56.80          | 21.46       |
| 166.28          | 34.87               | 100         | V           | 130              | -13.0                   | 43.50          | 8.63        |
| 232.36          | 37.40               | 200         | H           | 270              | -13.7                   | 56.80          | 19.40       |
| 336.00          | 87.80               | 100         | H           | 326              | -10.2                   | 96.80          | 9.00        |
| 700.02          | 40.27               | 100         | V           | 318              | -3.0                    | 56.80          | 16.53       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 336.00          | 87.80                        | 100         | H           | -13.98                           | 73.82                        | 76.80                      | 2.98        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1198.60            | 32.63                  | 150            | V              | 258                 | -18.0                         | 54.00             | 21.37          |
| 1344.00            | 31.50                  | 150            | V              | 75                  | -17.2                         | 54.00             | 22.50          |
| 1393.90            | 37.79                  | 150            | V              | 258                 | -16.9                         | 54.00             | 16.21          |
| 1680.00            | 36.91                  | 200            | H              | 344                 | -15.7                         | 54.00             | 17.09          |
| 2016.00            | 33.83                  | 150            | H              | 122                 | -14.4                         | 56.80             | 22.97          |
| 2352.00            | 36.39                  | 200            | V              | 265                 | -13.0                         | 54.00             | 17.61          |
| 2688.00            | 35.58                  | 150            | H              | 61                  | -11.5                         | 56.80             | 21.22          |
| 3360.00            | 39.15                  | 150            | H              | 2                   | -9.2                          | 56.80             | 17.65          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

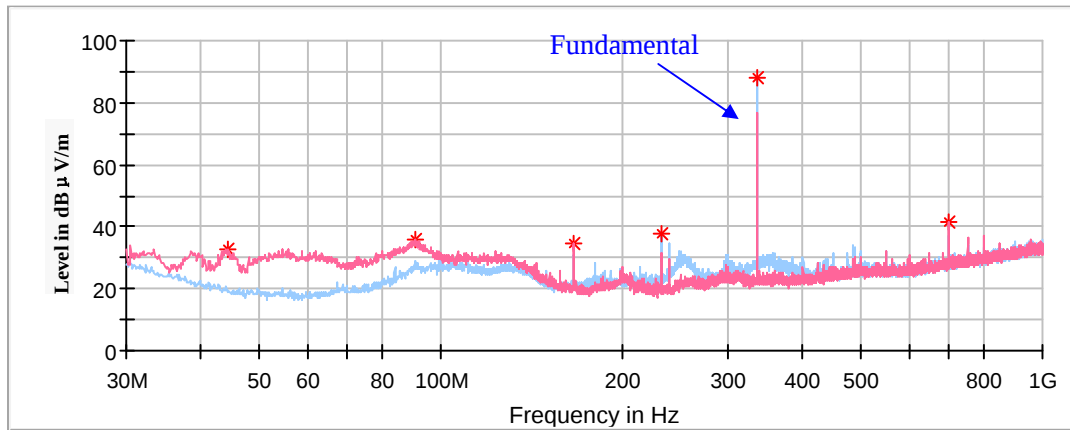
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 336.00MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



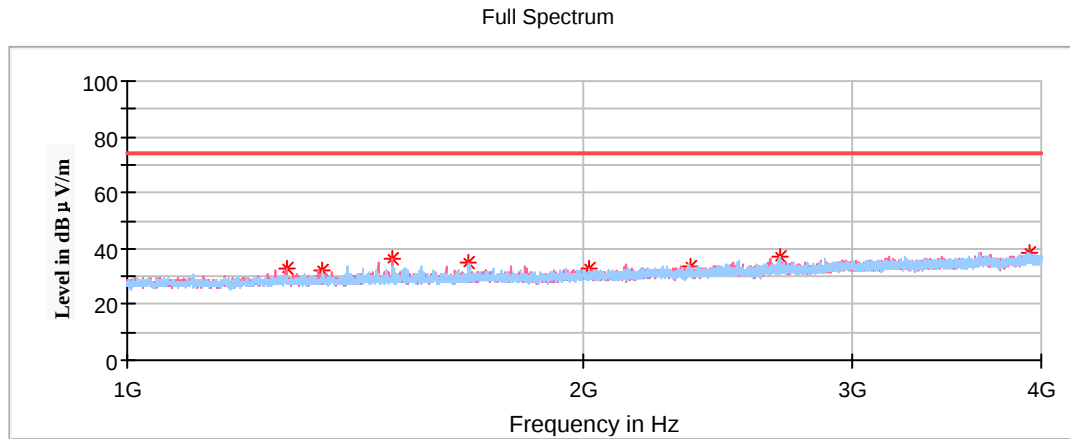
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.30           | 32.48               | 100         | V           | 70               | -14.2                   | 56.80          | 24.32       |
| 90.86           | 35.96               | 100         | V           | 289              | -17.4                   | 56.80          | 20.84       |
| 165.92          | 34.54               | 100         | V           | 167              | -13.0                   | 43.50          | 8.96        |
| 232.36          | 37.63               | 200         | H           | 79               | -13.7                   | 56.80          | 19.17       |
| 336.00          | 88.26               | 100         | H           | 58               | -10.2                   | 96.80          | 8.54        |
| 700.02          | 41.49               | 100         | V           | 326              | -3.0                    | 56.80          | 15.31       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 336.00          | 88.26                        | 100         | H           | -13.98                           | 74.28                        | 76.80                      | 2.52        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1272.70         | 32.89               | 150         | V           | 241              | -17.6                   | 56.80          | 23.91       |
| 1344.00         | 32.35               | 200         | V           | 266              | -17.2                   | 54.00          | 21.65       |
| 1495.00         | 36.48               | 150         | V           | 292              | -16.4                   | 54.00          | 17.52       |
| 1680.00         | 34.78               | 200         | V           | 164              | -15.7                   | 54.00          | 19.22       |
| 2016.00         | 32.52               | 150         | V           | 68               | -14.4                   | 56.80          | 24.28       |
| 2352.00         | 33.49               | 200         | V           | 83               | -13.0                   | 54.00          | 20.51       |
| 2688.00         | 36.86               | 200         | H           | 52               | -11.5                   | 56.80          | 19.94       |
| 3932.00         | 38.74               | 200         | V           | 93               | -7.2                    | 54.00          | 15.26       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

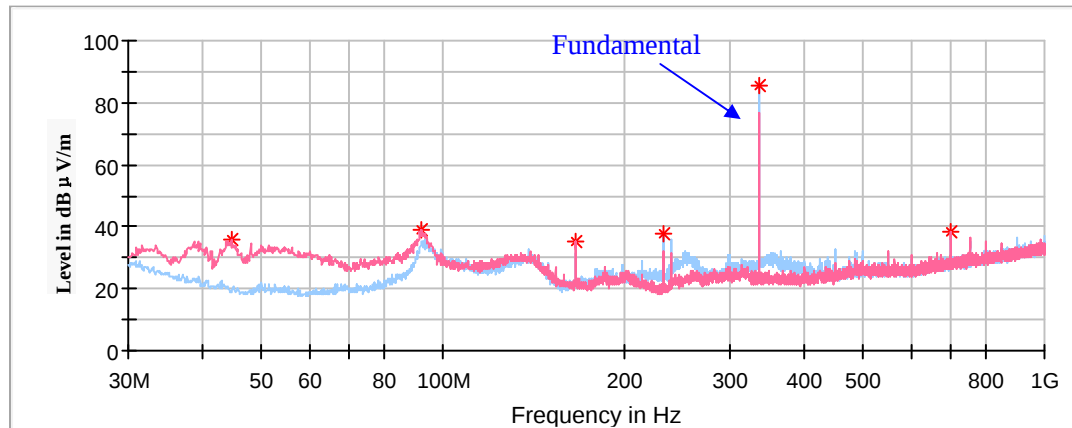
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 336.00MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



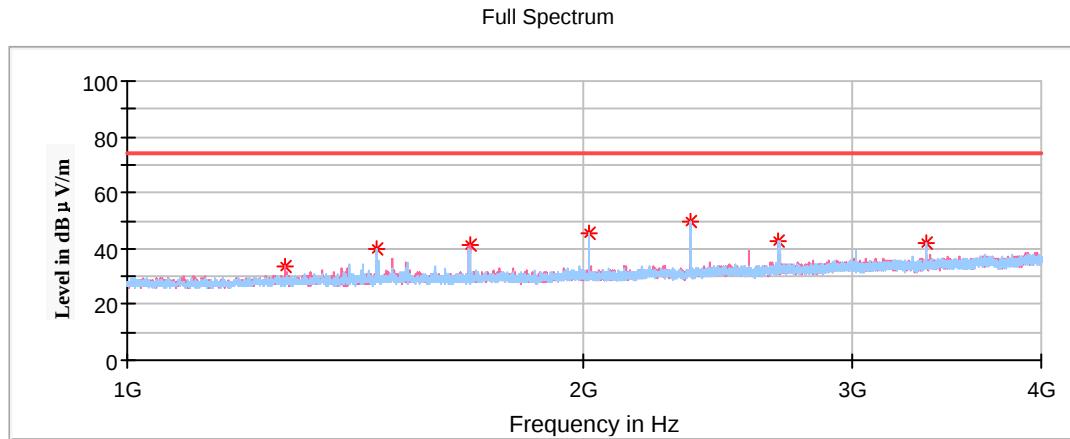
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.42           | 35.68               | 100         | V           | 0                | -14.2                   | 56.80          | 21.12       |
| 91.83           | 38.97               | 100         | V           | 265              | -17.1                   | 56.80          | 17.83       |
| 166.28          | 35.34               | 100         | V           | 151              | -13.0                   | 43.50          | 8.16        |
| 232.85          | 37.69               | 100         | H           | 239              | -13.7                   | 56.80          | 19.11       |
| 336.00          | 85.50               | 100         | H           | 325              | -10.2                   | 96.80          | 11.30       |
| 700.02          | 38.50               | 100         | V           | 120              | -3.0                    | 56.80          | 18.30       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 336.00          | 85.50                        | 100         | H           | -13.98                           | 71.52                        | 76.80                      | 5.28        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1271.50            | 33.45                  | 150            | V              | 262                 | -17.6                         | 56.80             | 23.35          |
| 1460.80            | 40.13                  | 150            | H              | 307                 | -16.6                         | 54.00             | 13.87          |
| 1680.00            | 40.92                  | 150            | V              | 242                 | -15.7                         | 54.00             | 13.08          |
| 2016.00            | 45.13                  | 150            | H              | 63                  | -14.4                         | 56.80             | 11.67          |
| 2352.00            | 49.38                  | 150            | H              | 73                  | -13.0                         | 54.00             | 4.62           |
| 2688.00            | 42.77                  | 150            | H              | 4                   | -11.5                         | 56.80             | 14.03          |
| 3360.00            | 41.76                  | 150            | H              | 216                 | -9.2                          | 56.80             | 15.04          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

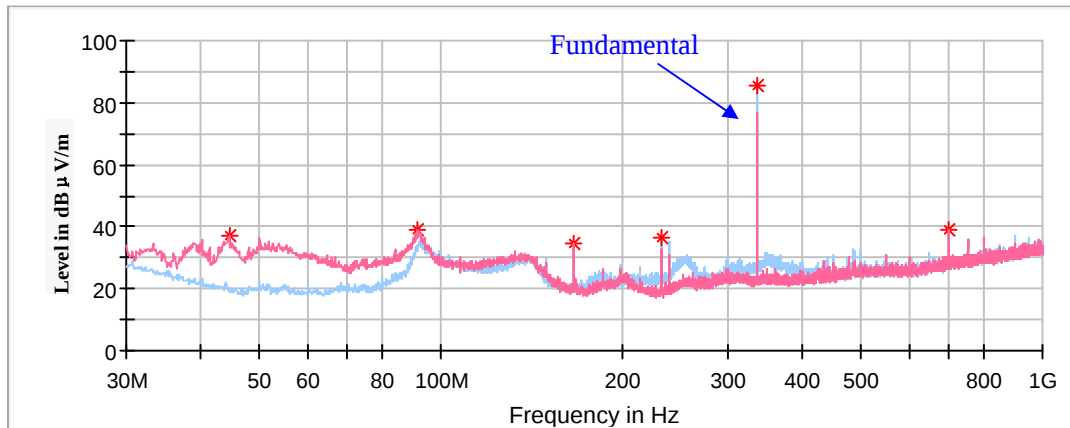
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 336.00MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



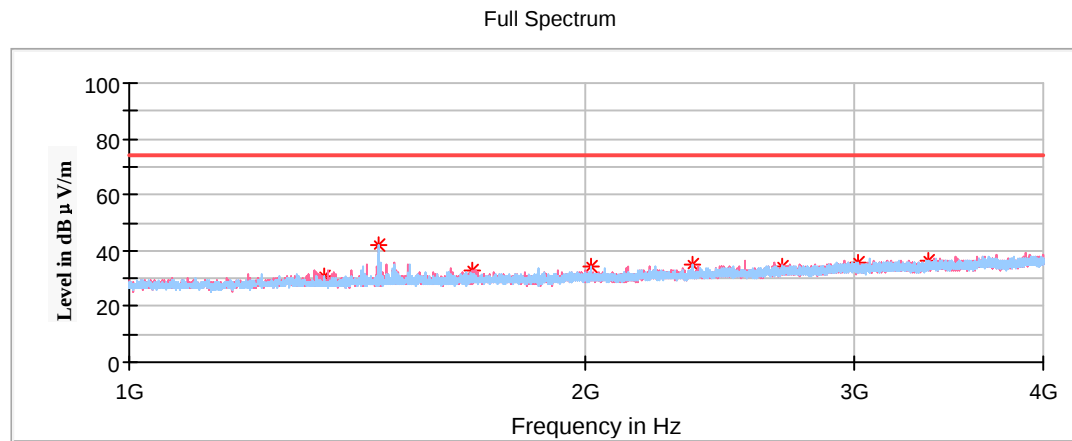
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.42           | 37.24               | 100         | V           | 107              | -14.2                   | 56.80          | 19.56       |
| 91.59           | 38.88               | 100         | V           | 309              | -17.2                   | 56.80          | 17.92       |
| 165.92          | 34.82               | 100         | V           | 142              | -13.0                   | 43.50          | 8.68        |
| 232.36          | 36.58               | 200         | H           | 244              | -13.7                   | 56.80          | 20.22       |
| 336.00          | 85.26               | 100         | H           | 51               | -10.2                   | 96.80          | 11.54       |
| 700.02          | 39.12               | 100         | V           | 124              | -3.0                    | 56.80          | 17.68       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 336.00          | 85.26                        | 100         | H           | -13.98                           | 71.28                        | 76.80                      | 5.52        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1344.00         | 30.46               | 200         | H           | 356              | -17.2                   | 54.00          | 23.54       |
| 1461.40         | 42.04               | 150         | H           | 317              | -16.6                   | 54.00          | 11.96       |
| 1680.00         | 32.65               | 200         | V           | 108              | -15.7                   | 54.00          | 21.35       |
| 2016.00         | 34.53               | 200         | H           | 0                | -14.4                   | 56.80          | 22.27       |
| 2352.00         | 34.77               | 200         | H           | 130              | -13.0                   | 54.00          | 19.23       |
| 2688.00         | 34.28               | 200         | H           | 84               | -11.5                   | 56.80          | 22.52       |
| 3024.00         | 35.97               | 200         | H           | 0                | -10.0                   | 56.80          | 20.83       |
| 3360.00         | 36.57               | 200         | H           | 161              | -9.2                    | 56.80          | 20.23       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

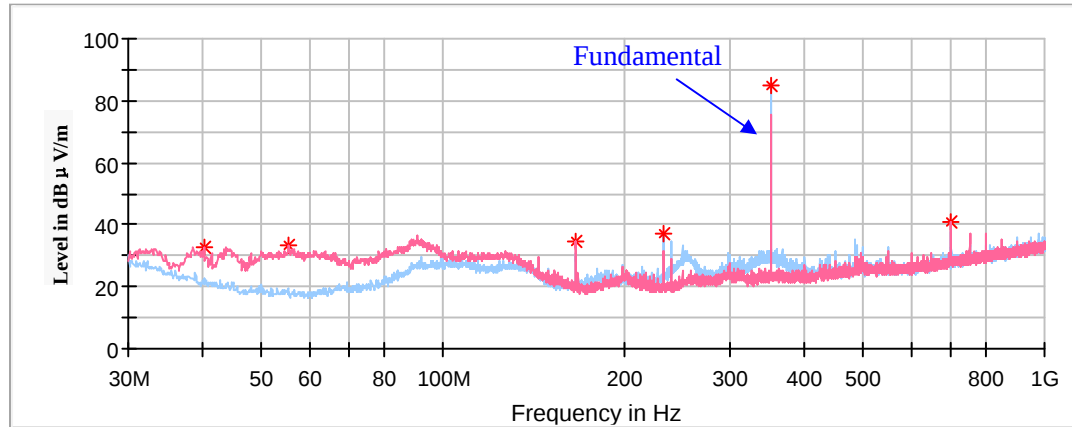
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 350.50MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 40.06           | 32.61               | 100         | V           | 113              | -11.3                   | 57.53          | 24.92       |
| 55.58           | 33.31               | 100         | V           | 95               | -18.0                   | 57.53          | 24.22       |
| 166.28          | 34.76               | 100         | V           | 143              | -13.0                   | 43.50          | 8.74        |
| 232.85          | 37.41               | 100         | H           | 265              | -13.7                   | 57.53          | 20.12       |
| 350.50          | 84.89               | 100         | H           | 321              | -9.8                    | 97.53          | 12.64       |
| 700.02          | 41.05               | 100         | V           | 313              | -3.0                    | 77.53          | 36.48       |

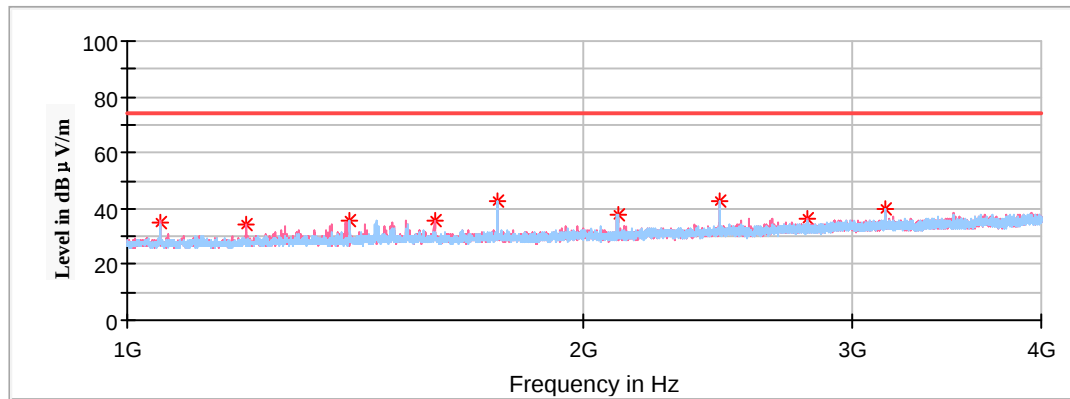
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 350.50          | 84.89                        | 100         | H           | -13.98                           | 70.91                        | 77.53                      | 6.62        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1051.50         | 34.81               | 150         | V           | 84               | -18.8                   | 54.00          | 19.19       |
| 1197.10         | 33.93               | 150         | V           | 267              | -18.0                   | 54.00          | 20.07       |
| 1402.00         | 35.97               | 200         | H           | 6                | -16.9                   | 54.00          | 18.03       |
| 1593.10         | 35.32               | 200         | V           | 286              | -16.0                   | 54.00          | 18.68       |
| 1752.50         | 42.75               | 200         | H           | 17               | -15.4                   | 57.53          | 14.78       |
| 2103.00         | 37.90               | 150         | H           | 200              | -14.0                   | 57.53          | 19.63       |
| 2453.50         | 42.46               | 150         | H           | 200              | -12.6                   | 57.53          | 15.07       |
| 2804.00         | 36.59               | 200         | V           | 276              | -11.0                   | 54.00          | 17.41       |
| 3154.50         | 40.13               | 200         | H           | 221              | -9.7                    | 57.53          | 17.40       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

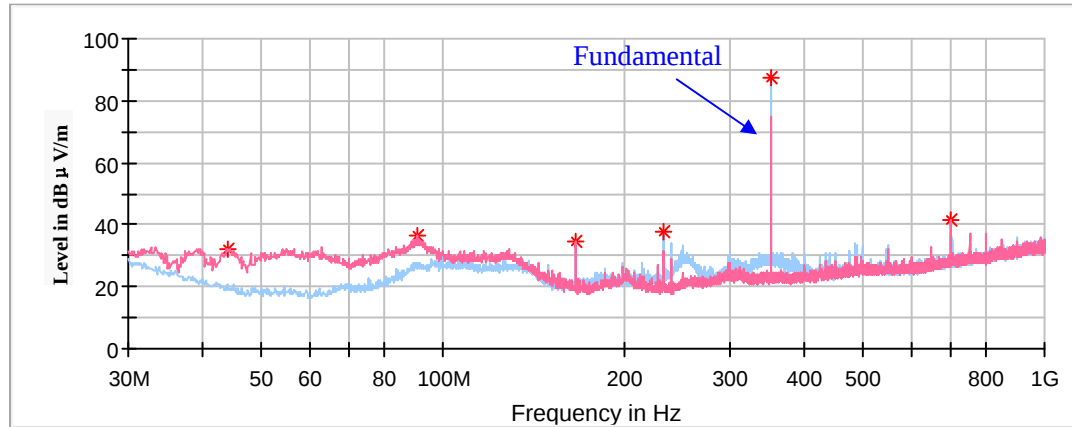
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 350.50MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



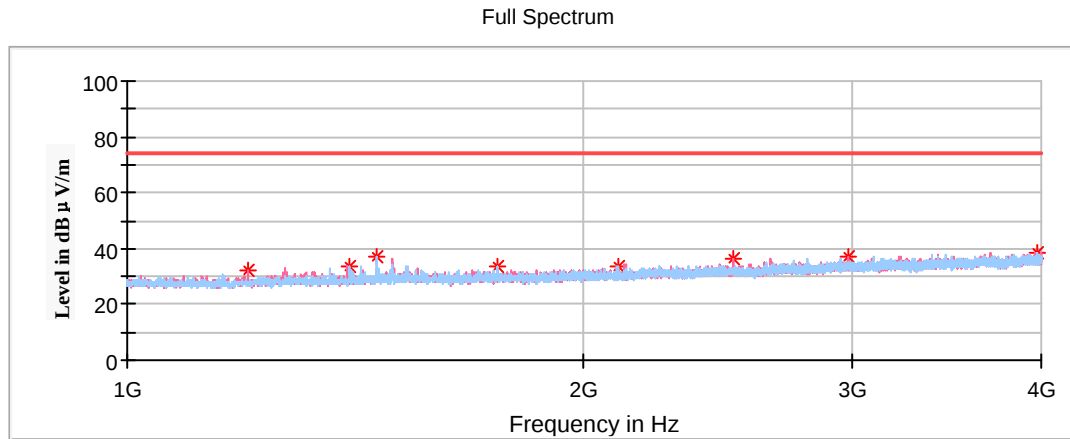
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 43.82           | 32.24               | 100         | V           | 44               | -13.8                   | 57.53          | 25.29       |
| 90.62           | 36.17               | 100         | V           | 285              | -17.4                   | 57.53          | 21.36       |
| 166.28          | 34.31               | 100         | V           | 158              | -13.0                   | 43.50          | 9.19        |
| 232.36          | 37.64               | 200         | H           | 75               | -13.7                   | 57.53          | 19.89       |
| 350.50          | 87.29               | 100         | H           | 64               | -9.8                    | 97.53          | 10.24       |
| 700.02          | 41.80               | 100         | V           | 319              | -3.0                    | 57.53          | 15.73       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 350.50          | 87.29                        | 100         | H           | -13.98                           | 73.31                        | 77.53                      | 4.22        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1201.60            | 32.08                  | 150            | V              | 261                 | -18.0                         | 54.00             | 21.92          |
| 1402.00            | 33.76                  | 200            | H              | 11                  | -16.9                         | 54.00             | 20.24          |
| 1460.80            | 36.84                  | 150            | H              | 343                 | -16.6                         | 54.00             | 17.16          |
| 1752.50            | 33.28                  | 150            | H              | 189                 | -15.4                         | 57.53             | 24.25          |
| 2103.00            | 33.69                  | 200            | H              | 207                 | -14.0                         | 57.53             | 23.84          |
| 2506.30            | 36.13                  | 150            | V              | 272                 | -12.4                         | 57.53             | 21.40          |
| 2980.90            | 37.38                  | 200            | V              | 123                 | -10.2                         | 57.53             | 20.15          |
| 3973.60            | 38.49                  | 150            | H              | 336                 | -7.1                          | 54.00             | 15.51          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

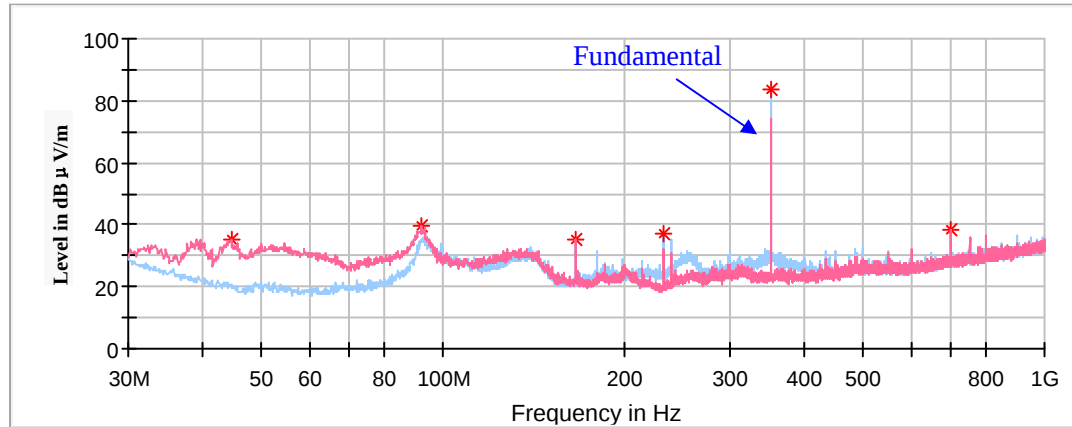
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 350.50MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



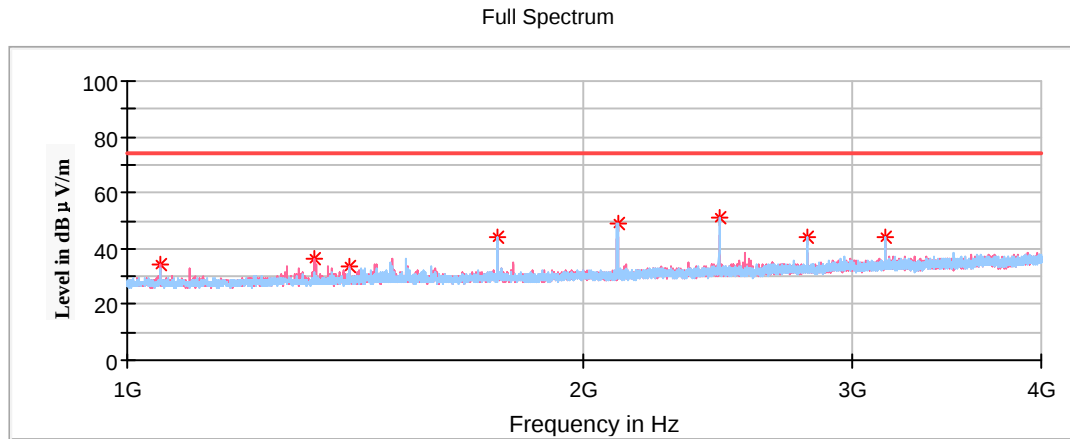
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.42           | 35.53               | 100         | V           | 173              | -14.2                   | 57.53          | 22.00       |
| 92.20           | 39.56               | 100         | V           | 0                | -17.0                   | 57.53          | 17.97       |
| 165.92          | 35.13               | 100         | V           | 143              | -13.0                   | 43.50          | 8.37        |
| 232.36          | 37.34               | 100         | H           | 240              | -13.7                   | 57.53          | 20.19       |
| 350.00          | 83.57               | 100         | H           | 312              | -9.8                    | 97.53          | 13.96       |
| 700.02          | 38.63               | 100         | V           | 107              | -3.0                    | 57.53          | 18.90       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 350.50          | 83.57                        | 100         | H           | -13.98                           | 69.59                        | 77.53                      | 7.94        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1051.50            | 34.36                  | 200            | V              | 98                  | -18.8                         | 54.00             | 19.64          |
| 1330.00            | 36.23                  | 150            | V              | 237                 | -17.3                         | 54.00             | 17.77          |
| 1402.00            | 33.49                  | 150            | V              | 84                  | -16.9                         | 54.00             | 20.51          |
| 1752.50            | 43.72                  | 150            | H              | 276                 | -15.4                         | 57.53             | 13.81          |
| 2103.00            | 49.18                  | 200            | H              | 221                 | -14.0                         | 57.53             | 8.35           |
| 2453.50            | 50.81                  | 150            | H              | 52                  | -12.6                         | 57.53             | 6.72           |
| 2804.00            | 43.97                  | 150            | H              | 215                 | -11.0                         | 54.00             | 10.03          |
| 3154.50            | 43.81                  | 150            | H              | 215                 | -9.7                          | 57.53             | 13.72          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

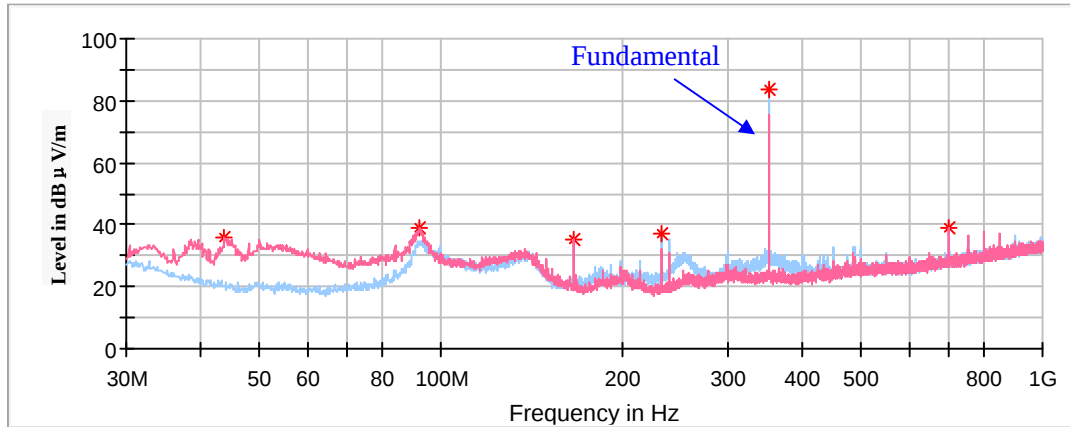
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 350.50MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



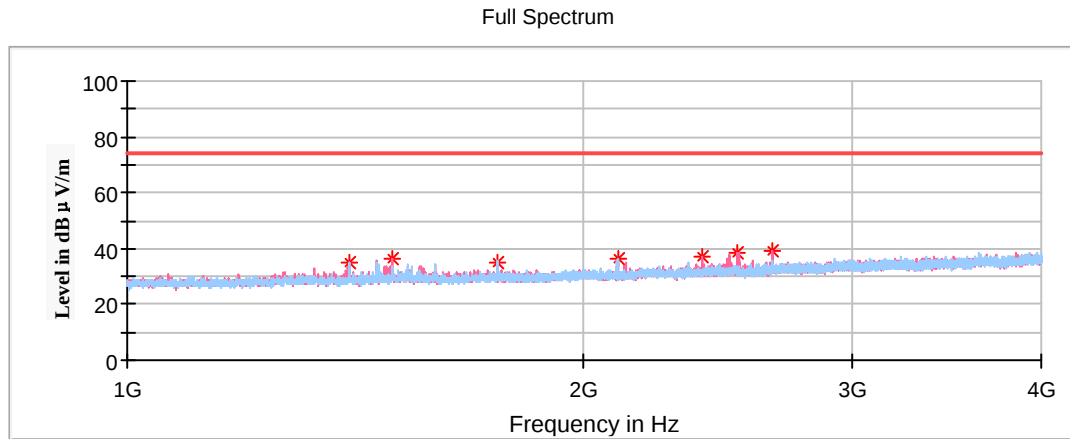
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 43.70           | 36.05               | 100         | V           | 14               | -13.8                   | 57.53          | 21.48       |
| 92.32           | 39.21               | 100         | V           | 305              | -17.0                   | 57.53          | 18.32       |
| 165.92          | 34.97               | 100         | V           | 155              | -13.0                   | 43.50          | 8.53        |
| 232.85          | 37.31               | 100         | H           | 235              | -13.7                   | 57.53          | 20.22       |
| 350.50          | 83.93               | 100         | H           | 55               | -9.8                    | 97.53          | 13.60       |
| 700.02          | 39.18               | 100         | V           | 113              | -3.0                    | 57.53          | 18.35       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 350.50          | 83.93                        | 100         | H           | -13.98                           | 69.95                        | 77.53                      | 7.58        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1402.00            | 34.86                  | 200            | V              | 62                  | -16.9                         | 54.00             | 19.14          |
| 1495.00            | 36.52                  | 150            | V              | 304                 | -16.4                         | 54.00             | 17.48          |
| 1752.50            | 34.84                  | 200            | V              | 73                  | -15.4                         | 57.53             | 22.69          |
| 2103.00            | 36.09                  | 150            | H              | 215                 | -14.0                         | 57.53             | 21.44          |
| 2392.60            | 37.01                  | 150            | V              | 263                 | -12.9                         | 57.53             | 20.52          |
| 2525.20            | 38.63                  | 150            | V              | 263                 | -12.3                         | 57.53             | 18.90          |
| 2658.10            | 38.86                  | 150            | V              | 263                 | -11.7                         | 57.53             | 18.67          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

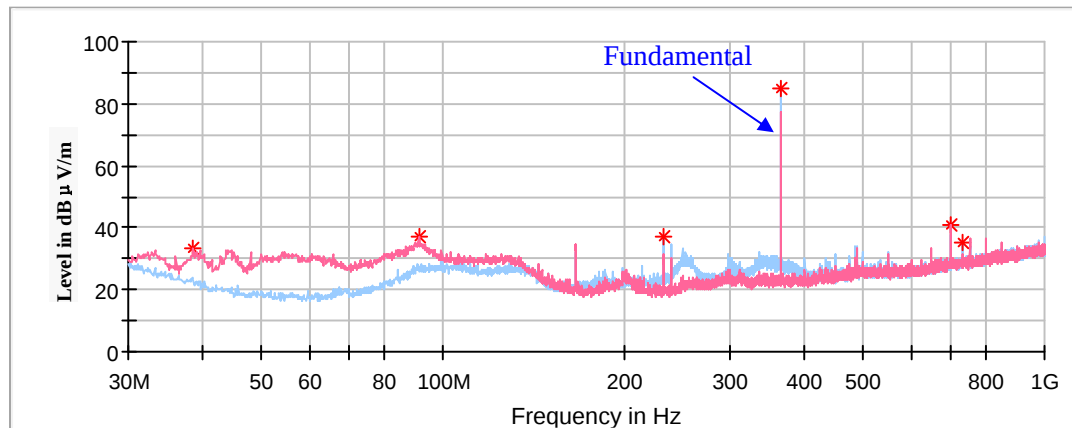
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 364.99MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



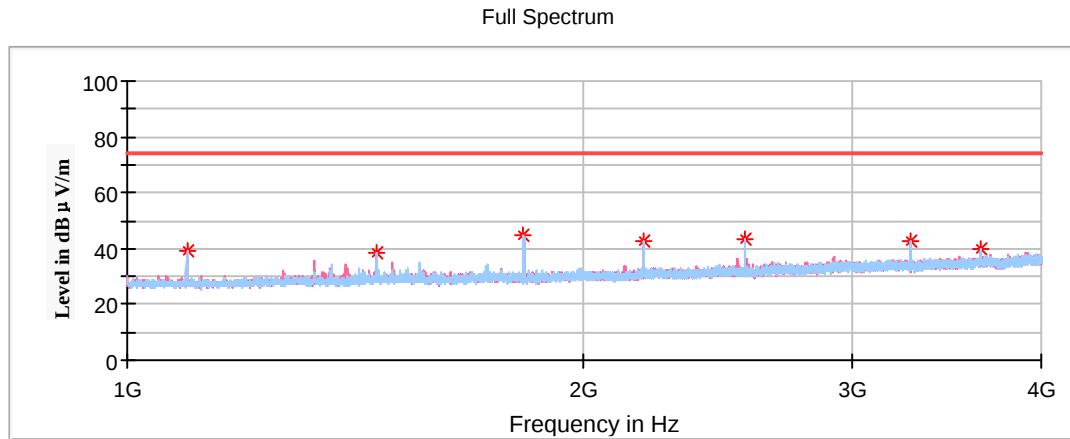
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 38.48           | 33.62               | 100         | V           | 27               | -10.3                   | 58.20          | 24.58       |
| 91.11           | 37.10               | 100         | V           | 283              | -17.3                   | 58.20          | 21.10       |
| 232.85          | 37.16               | 200         | H           | 85               | -13.7                   | 58.20          | 21.04       |
| 364.99          | 84.70               | 100         | H           | 216              | -9.5                    | 98.20          | 13.50       |
| 700.02          | 41.13               | 100         | V           | 326              | -3.0                    | 58.20          | 17.07       |
| 729.98          | 35.34               | 100         | H           | 53               | -2.6                    | 78.20          | 42.86       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 364.99          | 84.70                        | 100         | H           | -13.98                           | 70.72                        | 78.20                      | 7.48        |
| 729.98          | 35.34                        | 100         | H           | -13.98                           | 21.36                        | 58.20                      | 36.84       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1094.97         | 39.23               | 200         | H           | 356              | -18.6                   | 54.00          | 14.77       |
| 1459.96         | 38.36               | 200         | V           | 67               | -16.6                   | 54.00          | 15.64       |
| 1824.95         | 44.62               | 200         | H           | 323              | -15.1                   | 58.20          | 13.58       |
| 2189.94         | 42.32               | 150         | H           | 184              | -13.7                   | 58.20          | 15.88       |
| 2554.93         | 43.70               | 200         | H           | 57               | -12.2                   | 58.20          | 14.50       |
| 3284.91         | 42.74               | 150         | H           | 174              | -9.4                    | 58.20          | 15.46       |
| 3649.90         | 40.13               | 200         | H           | 312              | -8.3                    | 54.00          | 13.87       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

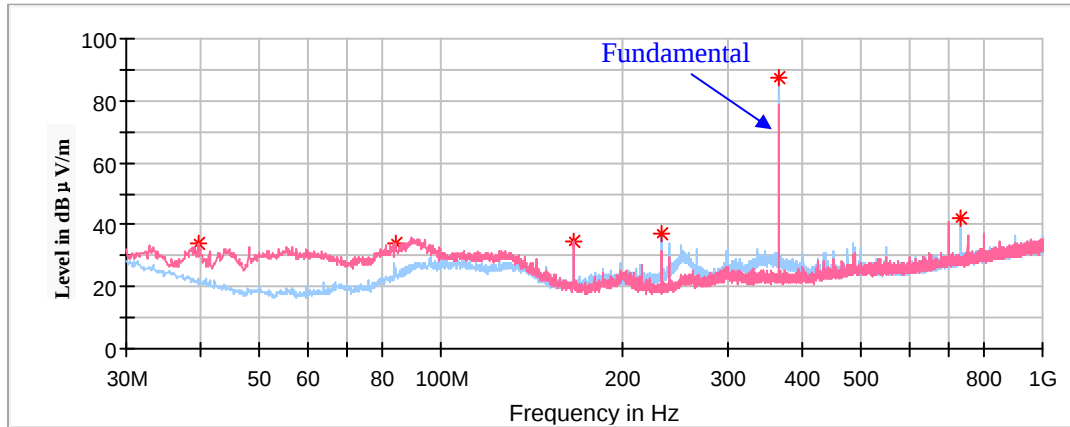
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 364.99MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



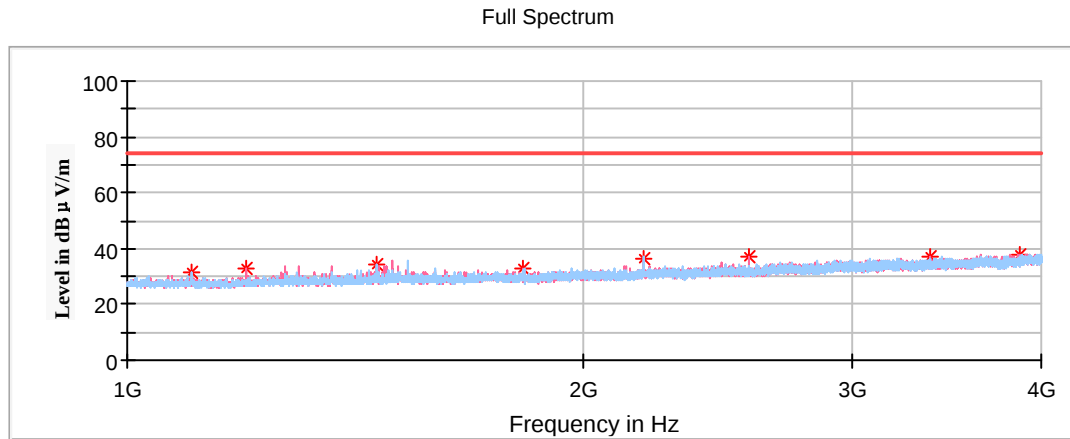
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 33.78               | 100         | V           | 112              | -10.9                   | 58.20          | 24.42       |
| 83.95           | 34.05               | 100         | V           | 326              | -17.9                   | 58.20          | 24.15       |
| 165.92          | 34.61               | 100         | V           | 148              | -13.0                   | 43.50          | 8.89        |
| 232.85          | 36.96               | 200         | H           | 74               | -13.7                   | 58.20          | 21.24       |
| 364.99          | 87.32               | 100         | H           | 83               | -9.5                    | 98.20          | 10.88       |
| 729.98          | 42.05               | 100         | H           | 83               | -2.6                    | 78.20          | 36.15       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 364.99          | 87.32                        | 100         | H           | -13.98                           | 73.34                        | 78.20                      | 4.86        |
| 729.98          | 42.05                        | 100         | H           | -13.98                           | 28.07                        | 58.20                      | 30.13       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1094.97         | 31.31               | 150         | H           | 211              | -18.5                   | 54.00          | 22.69       |
| 1197.10         | 33.10               | 150         | V           | 267              | -18.0                   | 54.00          | 20.90       |
| 1459.96         | 34.19               | 150         | H           | 201              | -16.6                   | 54.00          | 19.81       |
| 1824.95         | 32.85               | 150         | V           | 64               | -15.1                   | 58.20          | 25.35       |
| 2189.94         | 36.42               | 200         | H           | 166              | -13.7                   | 58.20          | 21.78       |
| 2554.93         | 36.96               | 150         | V           | 257              | -12.1                   | 58.20          | 21.24       |
| 3376.00         | 37.12               | 200         | V           | 285              | -9.1                    | 58.20          | 21.08       |
| 3875.20         | 37.79               | 200         | V           | 265              | -7.5                    | 54.00          | 16.21       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

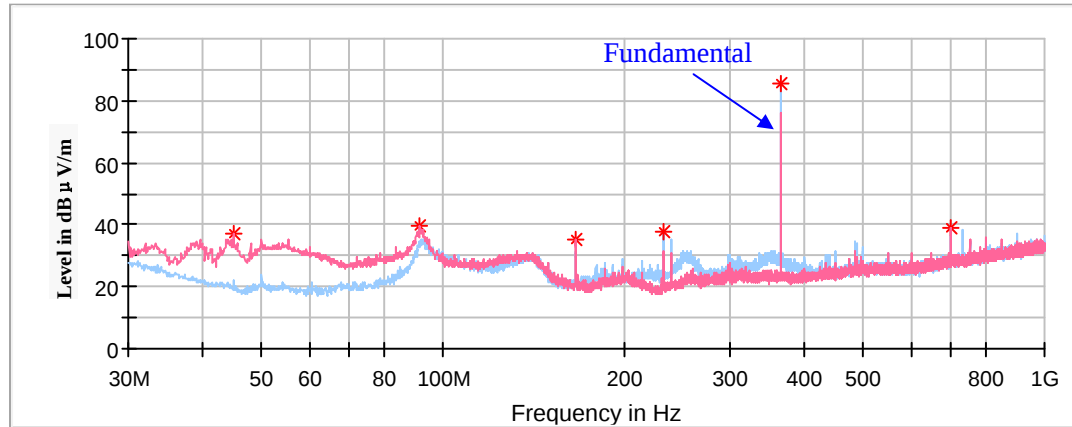
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 364.99MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.91           | 36.97               | 100         | V           | 77               | -14.6                   | 58.20          | 21.23       |
| 91.71           | 39.68               | 100         | V           | 313              | -17.1                   | 58.20          | 18.52       |
| 165.92          | 35.01               | 100         | V           | 161              | -13.0                   | 43.50          | 8.49        |
| 232.36          | 37.91               | 100         | H           | 238              | -13.7                   | 58.20          | 20.29       |
| 364.99          | 85.29               | 100         | H           | 291              | -9.5                    | 98.20          | 12.91       |
| 700.02          | 39.22               | 100         | V           | 125              | -3.0                    | 58.20          | 18.98       |

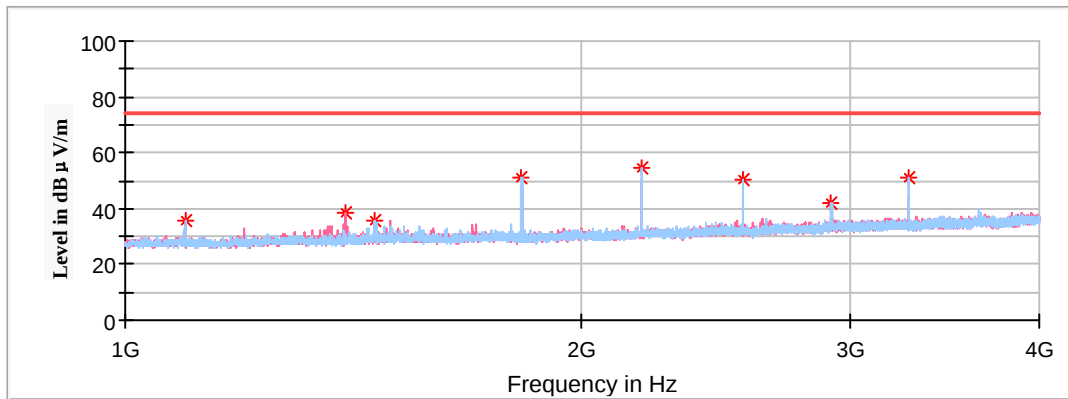
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 364.99          | 85.29                        | 100         | H           | -13.98                           | 71.31                        | 78.20                      | 6.89        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1094.97            | 35.99                  | 200            | H              | 347                 | -18.6                         | 74.00             | 38.01          |
| 1396.60            | 38.58                  | 150            | V              | 272                 | -16.9                         | 74.00             | 35.42          |
| 1459.96            | 35.67                  | 200            | V              | 82                  | -16.6                         | 74.00             | 38.33          |
| 1824.95            | 50.87                  | 150            | H              | 282                 | -15.1                         | 78.20             | 27.33          |
| 2189.94            | 54.74                  | 150            | H              | 61                  | -13.7                         | 78.20             | 23.46          |
| 2554.93            | 50.37                  | 200            | H              | 63                  | -12.2                         | 78.20             | 27.83          |
| 2919.92            | 42.07                  | 150            | H              | 229                 | -10.5                         | 78.20             | 36.13          |
| 3284.91            | 50.99                  | 200            | H              | 195                 | -9.4                          | 78.20             | 27.21          |

## Field Strength of Average Emission

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1094.97            | 35.99                              | 200            | H              | -13.98                                 | 22.01                              | 54.00                         | 31.99          |
| 1396.60            | 38.58                              | 150            | V              | -13.98                                 | 24.60                              | 54.00                         | 29.40          |
| 1459.96            | 35.67                              | 200            | V              | -13.98                                 | 21.69                              | 54.00                         | 32.31          |
| 1824.95            | 50.87                              | 150            | H              | -13.98                                 | 36.89                              | 58.20                         | 21.31          |
| 2189.94            | 54.74                              | 150            | H              | -13.98                                 | 40.76                              | 58.20                         | 17.44          |
| 2554.93            | 50.37                              | 200            | H              | -13.98                                 | 36.39                              | 58.20                         | 21.81          |
| 2919.92            | 42.07                              | 150            | H              | -13.98                                 | 28.09                              | 58.20                         | 30.11          |
| 3284.91            | 50.99                              | 200            | H              | -13.98                                 | 37.01                              | 58.20                         | 21.19          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

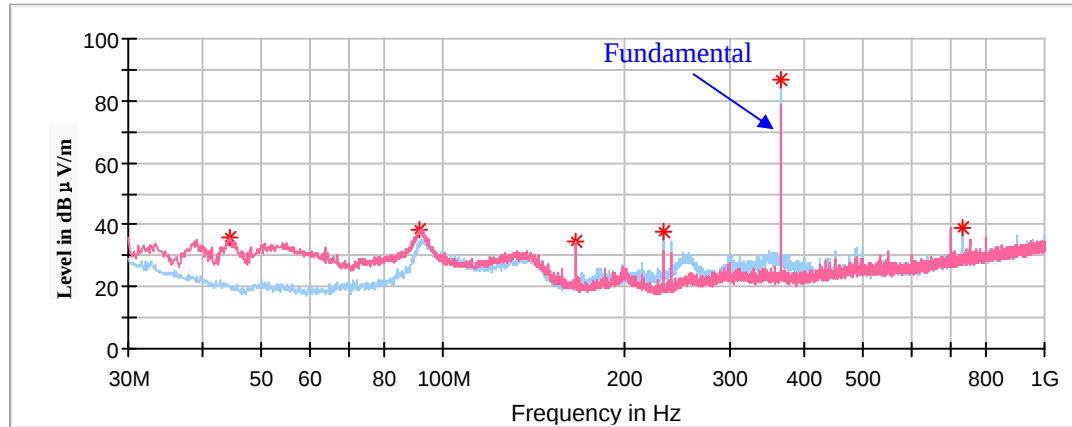
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**High Channel: 364.99MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



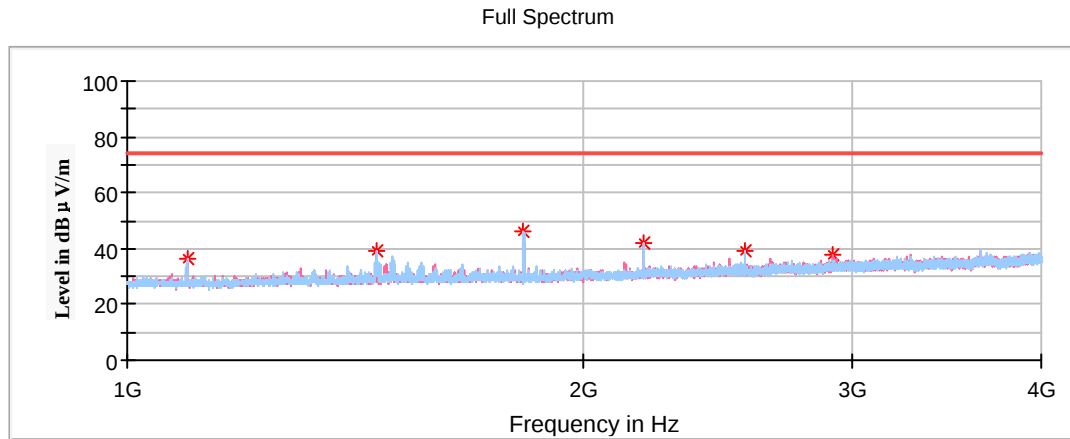
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.30           | 35.82               | 100         | V           | 58               | -14.2                   | 58.20          | 22.38       |
| 91.23           | 38.56               | 100         | V           | 275              | -17.3                   | 58.20          | 19.64       |
| 165.92          | 34.65               | 100         | V           | 165              | -13.0                   | 43.50          | 8.85        |
| 232.36          | 37.56               | 100         | H           | 254              | -13.7                   | 58.20          | 20.64       |
| 364.99          | 86.70               | 100         | H           | 309              | -9.5                    | 98.20          | 11.50       |
| 729.98          | 39.30               | 100         | H           | 314              | -2.6                    | 78.20          | 38.90       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 364.99          | 86.70                        | 100         | H           | -13.98                           | 72.72                        | 78.20                      | 5.48        |
| 729.98          | 39.30                        | 100         | H           | -13.98                           | 25.32                        | 58.20                      | 32.88       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1094.97            | 36.41                  | 200            | H              | 0                   | -18.6                         | 54.00             | 17.59          |
| 1459.96            | 39.15                  | 200            | H              | 339                 | -16.6                         | 54.00             | 14.85          |
| 1824.95            | 45.97                  | 200            | H              | 135                 | -15.1                         | 58.20             | 12.23          |
| 2189.94            | 41.65                  | 150            | H              | 222                 | -13.7                         | 58.20             | 16.55          |
| 2554.93            | 39.33                  | 200            | H              | 135                 | -12.2                         | 58.20             | 18.87          |
| 2919.92            | 37.50                  | 200            | V              | 276                 | -10.5                         | 58.20             | 20.70          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

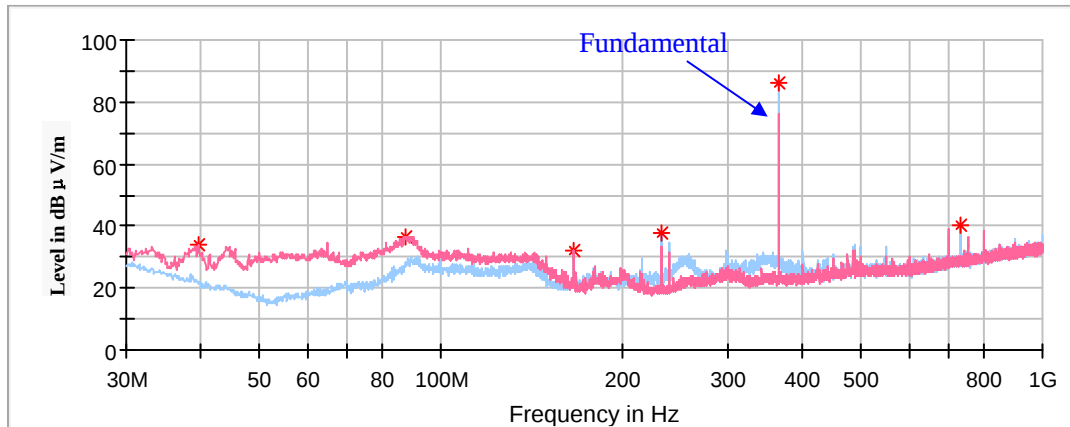
**For 375MHz Band:**

**For GFSK Modulation:**

**Low Channel: 365.0MHz (ANT 1)**

**30MHz-1GHz**

*(Pre-scan in the X,Y and Z axes of orientation, the worst case Z-axis of orientation was recorded.)*



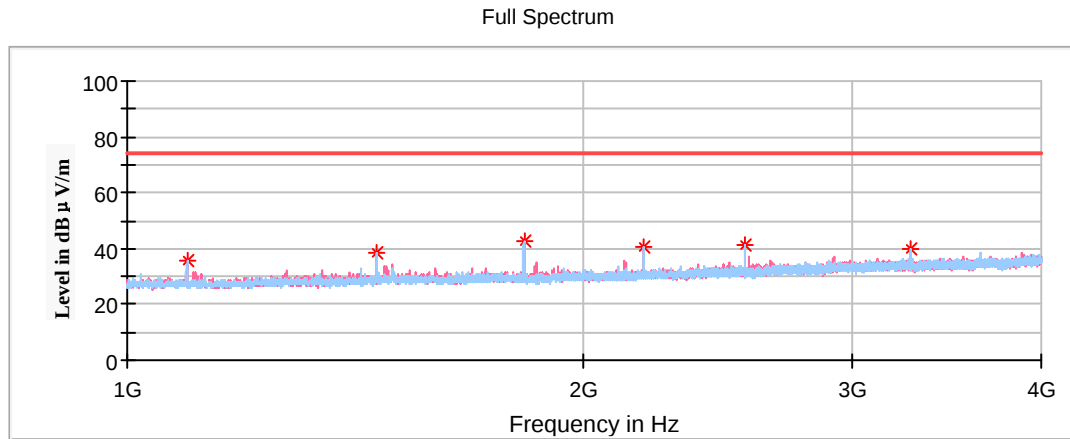
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 34.13               | 100         | V           | 87               | -10.9                   | 58.20          | 24.07       |
| 87.47           | 36.63               | 100         | V           | 319              | -17.7                   | 58.20          | 21.57       |
| 165.92          | 32.35               | 100         | V           | 161              | -13.0                   | 43.50          | 11.15       |
| 232.36          | 37.75               | 100         | H           | 235              | -13.7                   | 58.20          | 20.45       |
| 365.00          | 86.30               | 100         | H           | 339              | -9.5                    | 98.20          | 11.90       |
| 730.00          | 40.27               | 100         | H           | 326              | -2.6                    | 78.20          | 37.93       |

#### Field Strength of Average Emission

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Ampitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|-----------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                             | Limit (dBμV/m)             | Margin (dB) |
| 365.00          | 86.30                        | 100         | H           | -13.98                           | 72.32                       | 78.20                      | 5.88        |
| 730.00          | 40.27                        | 100         | H           | -13.98                           | 26.29                       | 58.20                      | 31.91       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1095.00            | 35.98                  | 200            | H              | 93                  | -18.6                         | 54.00             | 18.02          |
| 1460.00            | 38.17                  | 150            | H              | 252                 | -16.6                         | 54.00             | 15.83          |
| 1825.00            | 42.42                  | 150            | H              | 263                 | -15.1                         | 58.20             | 15.78          |
| 2190.00            | 40.83                  | 200            | H              | 276                 | -13.7                         | 58.20             | 17.37          |
| 2555.00            | 41.44                  | 200            | H              | 154                 | -12.2                         | 58.20             | 16.76          |
| 3285.00            | 40.10                  | 150            | H              | 313                 | -9.4                          | 58.20             | 18.10          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

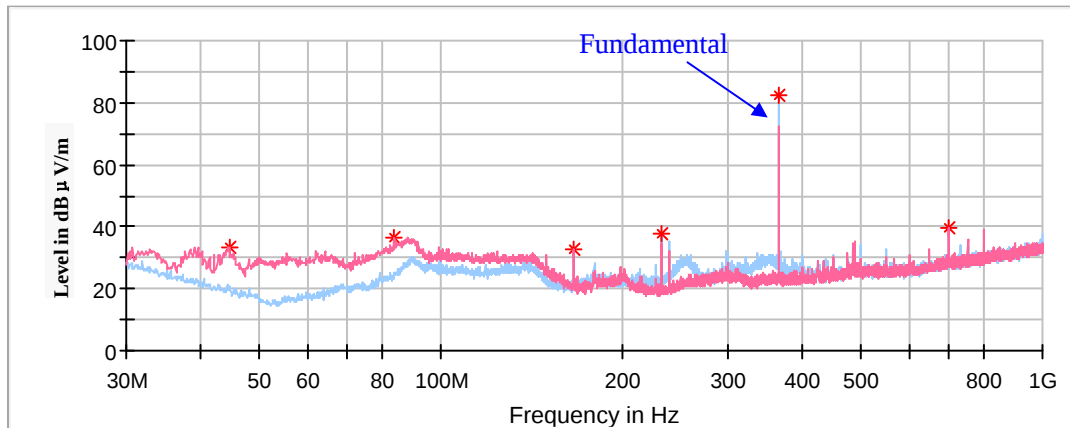
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 365.0MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



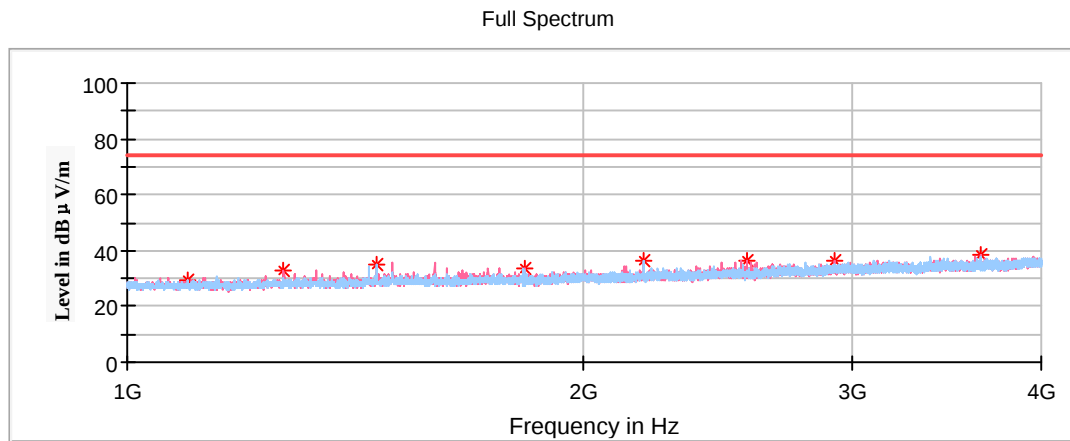
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.42           | 33.57               | 100         | V           | 47               | -14.2                   | 58.20          | 24.63       |
| 83.83           | 36.40               | 100         | V           | 296              | -17.9                   | 58.20          | 21.80       |
| 166.28          | 32.39               | 100         | V           | 121              | -13.0                   | 43.50          | 11.11       |
| 232.85          | 37.64               | 100         | H           | 241              | -13.7                   | 58.20          | 20.56       |
| 365.00          | 82.37               | 100         | H           | 71               | -9.5                    | 98.20          | 15.83       |
| 700.02          | 39.48               | 100         | V           | 309              | -3.0                    | 78.20          | 38.72       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 365.00          | 82.37                        | 100         | H           | -13.98                           | 68.39                        | 78.20                      | 9.81        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1095.00            | 29.56                  | 200            | H              | 88                  | -18.6                         | 54.00             | 24.44          |
| 1268.50            | 32.93                  | 200            | V              | 53                  | -17.6                         | 58.20             | 25.27          |
| 1460.00            | 34.74                  | 150            | H              | 251                 | -16.6                         | 54.00             | 19.26          |
| 1825.00            | 33.77                  | 150            | V              | 191                 | -15.1                         | 58.20             | 24.43          |
| 2190.00            | 36.20                  | 200            | H              | 266                 | -13.7                         | 58.20             | 22.00          |
| 2555.00            | 36.11                  | 150            | V              | 99                  | -12.1                         | 58.20             | 22.09          |
| 2920.00            | 36.03                  | 200            | V              | 2                   | -10.5                         | 58.20             | 22.17          |
| 3650.00            | 38.62                  | 150            | V              | 336                 | -8.3                          | 54.00             | 15.38          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

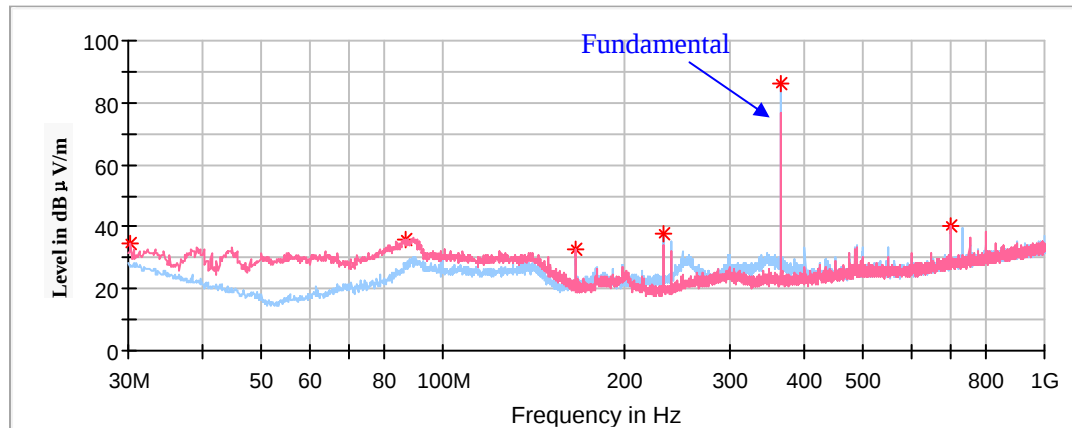
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 365.0MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 30.24           | 34.51               | 100         | V           | 306              | -4.7                    | 58.20          | 23.69       |
| 86.86           | 35.69               | 100         | V           | 336              | -17.8                   | 58.20          | 22.51       |
| 166.28          | 32.57               | 100         | V           | 142              | -13.0                   | 43.50          | 10.93       |
| 232.85          | 37.73               | 100         | H           | 246              | -13.7                   | 58.20          | 20.47       |
| 365.00          | 86.30               | 100         | H           | 307              | -9.5                    | 98.20          | 11.90       |
| 700.02          | 40.21               | 100         | V           | 306              | -3.0                    | 58.20          | 17.99       |

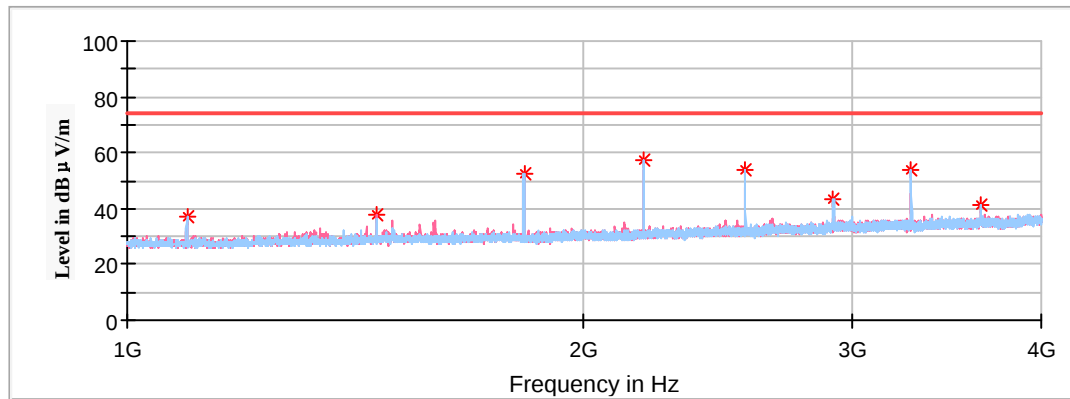
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 365.00          | 86.30                        | 100         | H           | -13.98                           | 72.32                        | 78.20                      | 5.88        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1095.00         | 37.33               | 200         | H           | 235              | -18.6                   | 74.00          | 36.67       |
| 1460.00         | 37.78               | 150         | V           | 343              | -16.6                   | 74.00          | 36.22       |
| 1825.00         | 52.70               | 150         | H           | 333              | -15.1                   | 78.20          | 25.50       |
| 2190.00         | 57.62               | 200         | H           | 297              | -13.7                   | 78.20          | 20.58       |
| 2555.00         | 53.78               | 200         | H           | 103              | -12.2                   | 78.20          | 24.42       |
| 2920.00         | 43.41               | 150         | H           | 313              | -10.5                   | 78.20          | 34.79       |
| 3285.00         | 53.59               | 200         | H           | 286              | -9.4                    | 78.20          | 24.61       |
| 3650.00         | 40.92               | 150         | H           | 24               | -8.3                    | 74.00          | 33.08       |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1095.00            | 37.33                                    | 200            | H              | -13.98                                 | 23.35                                    | 54.00                         | 30.65          |
| 1460.00            | 37.78                                    | 150            | V              | -13.98                                 | 23.80                                    | 54.00                         | 30.20          |
| 1825.00            | 52.70                                    | 150            | H              | -13.98                                 | 38.72                                    | 58.20                         | 19.48          |
| 2190.00            | 57.62                                    | 200            | H              | -13.98                                 | 43.64                                    | 58.20                         | 14.56          |
| 2555.00            | 53.78                                    | 200            | H              | -13.98                                 | 39.80                                    | 58.20                         | 18.40          |
| 2920.00            | 43.41                                    | 150            | H              | -13.98                                 | 29.43                                    | 58.20                         | 28.77          |
| 3285.00            | 53.59                                    | 200            | H              | -13.98                                 | 39.61                                    | 58.20                         | 18.59          |
| 3650.00            | 40.92                                    | 150            | H              | -13.98                                 | 26.94                                    | 54.00                         | 27.06          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

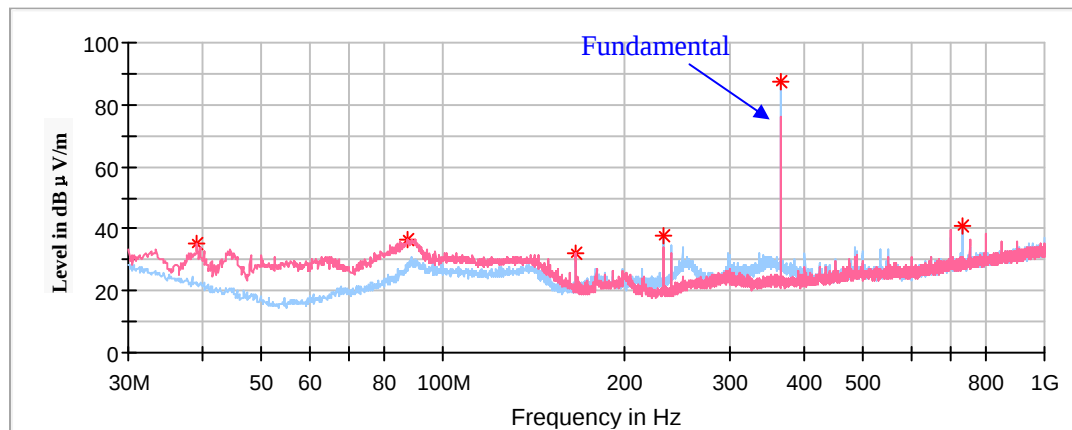
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Low Channel: 365.0MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



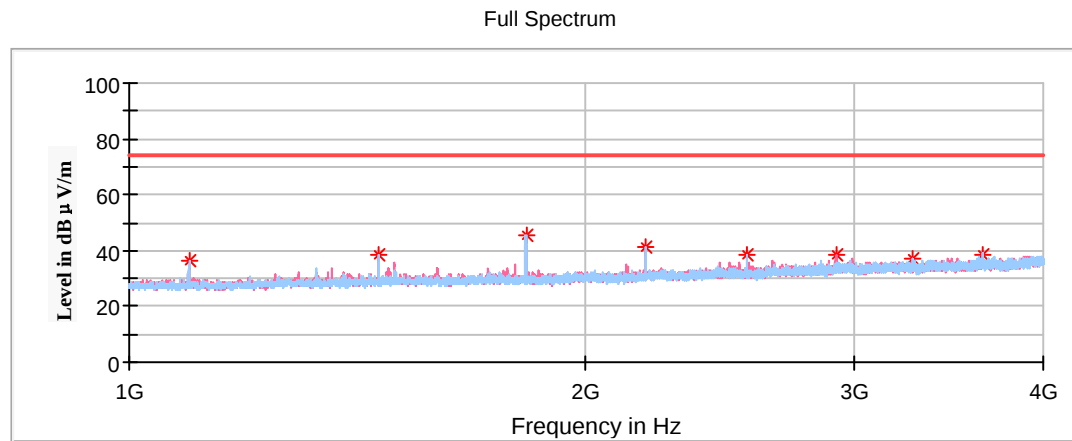
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.09           | 35.14               | 100         | V           | 112              | -10.7                   | 58.20          | 23.06       |
| 89.59           | 36.40               | 100         | V           | 277              | -17.7                   | 58.20          | 21.80       |
| 165.92          | 32.18               | 100         | V           | 167              | -13.0                   | 43.50          | 11.32       |
| 232.36          | 37.66               | 100         | H           | 245              | -13.7                   | 58.20          | 20.54       |
| 365.00          | 87.36               | 100         | H           | 339              | -9.5                    | 98.20          | 10.84       |
| 730.00          | 40.68               | 100         | H           | 339              | -2.6                    | 78.20          | 37.52       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 365.00          | 87.36                        | 100         | H           | -13.98                           | 73.38                        | 78.20                      | 4.82        |
| 730.00          | 40.68                        | 100         | H           | -13.98                           | 26.70                        | 58.20                      | 31.50       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1095.00            | 36.36                  | 150            | H              | 267                 | -18.6                         | 54.00             | 17.64          |
| 1460.00            | 38.77                  | 200            | H              | 253                 | -16.6                         | 54.00             | 15.23          |
| 1825.00            | 45.67                  | 150            | H              | 298                 | -15.1                         | 58.20             | 12.53          |
| 2190.00            | 41.00                  | 200            | H              | 284                 | -13.7                         | 58.20             | 17.20          |
| 2555.00            | 38.62                  | 150            | V              | 359                 | -12.2                         | 58.20             | 19.58          |
| 2920.00            | 38.49                  | 200            | V              | 349                 | -10.5                         | 58.20             | 19.71          |
| 3285.00            | 37.37                  | 150            | H              | 267                 | -9.4                          | 58.20             | 20.83          |
| 3650.00            | 38.63                  | 150            | V              | 323                 | -8.3                          | 54.00             | 15.37          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

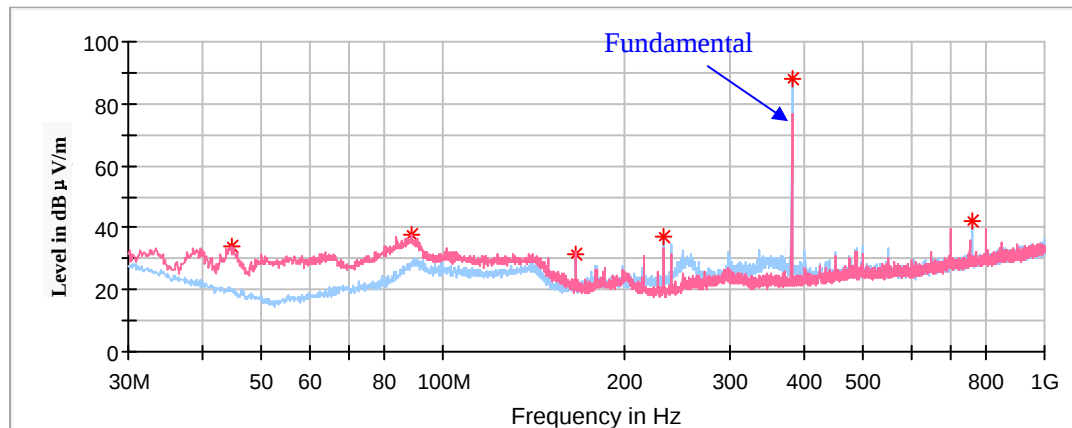
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 380.0MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



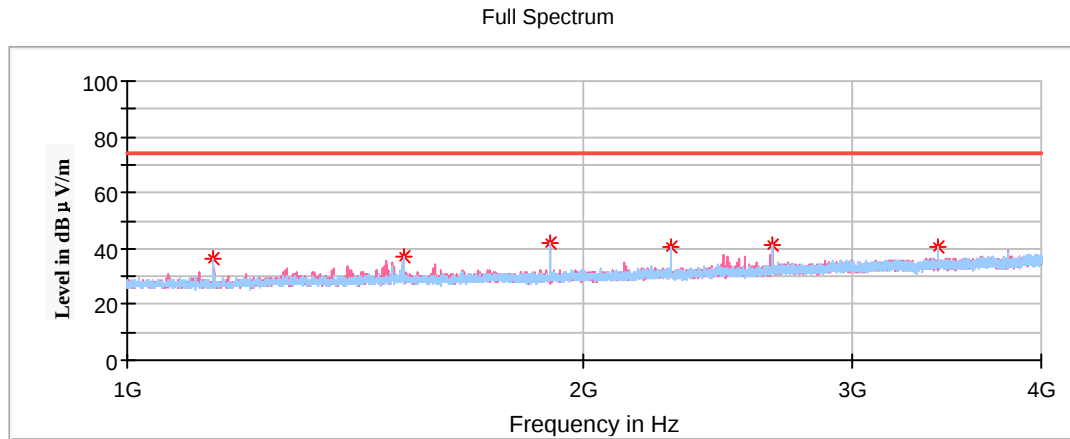
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.42           | 34.21               | 100         | V           | 131              | -14.2                   | 58.84          | 24.63       |
| 88.68           | 37.52               | 100         | V           | 307              | -17.7                   | 58.84          | 21.32       |
| 166.28          | 31.75               | 100         | V           | 186              | -13.0                   | 43.50          | 11.75       |
| 232.85          | 37.08               | 100         | H           | 248              | -13.7                   | 58.84          | 21.76       |
| 380.00          | 88.29               | 100         | H           | 321              | -9.1                    | 98.84          | 10.55       |
| 760.00          | 42.22               | 100         | H           | 321              | -2.1                    | 78.84          | 36.62       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 380.00          | 88.29                        | 100         | H           | -13.98                           | 74.31                        | 78.84                      | 4.53        |
| 760.00          | 42.22                        | 100         | H           | -13.98                           | 28.24                        | 58.84                      | 30.60       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1140.00         | 36.46               | 200         | H           | 235              | -18.3                   | 54.00          | 17.54       |
| 1520.00         | 37.41               | 200         | H           | 246              | -16.3                   | 54.00          | 16.59       |
| 1900.00         | 41.64               | 150         | H           | 267              | -14.8                   | 58.84          | 17.20       |
| 2280.00         | 40.54               | 200         | H           | 256              | -13.3                   | 54.00          | 13.46       |
| 2660.00         | 41.18               | 200         | H           | 307              | -11.7                   | 58.84          | 17.66       |
| 3420.00         | 40.84               | 200         | H           | 83               | -9.0                    | 58.84          | 18.00       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

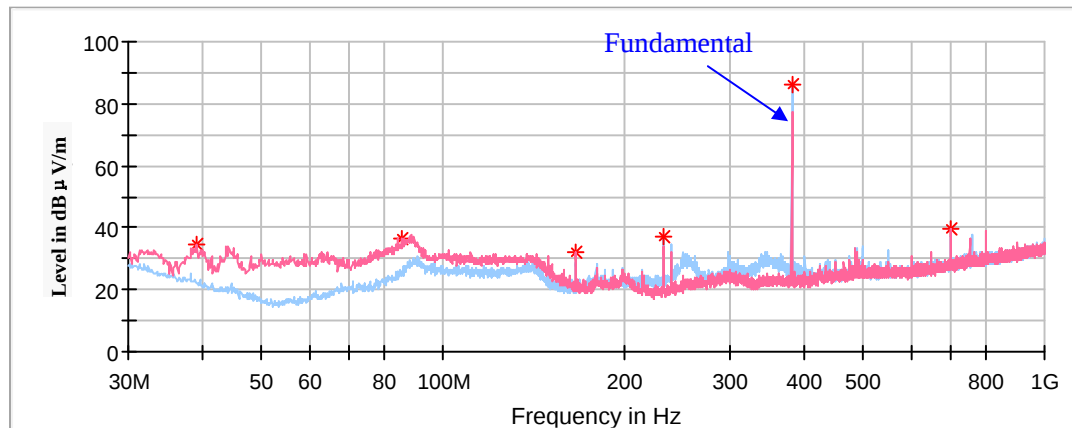
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 380.0MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



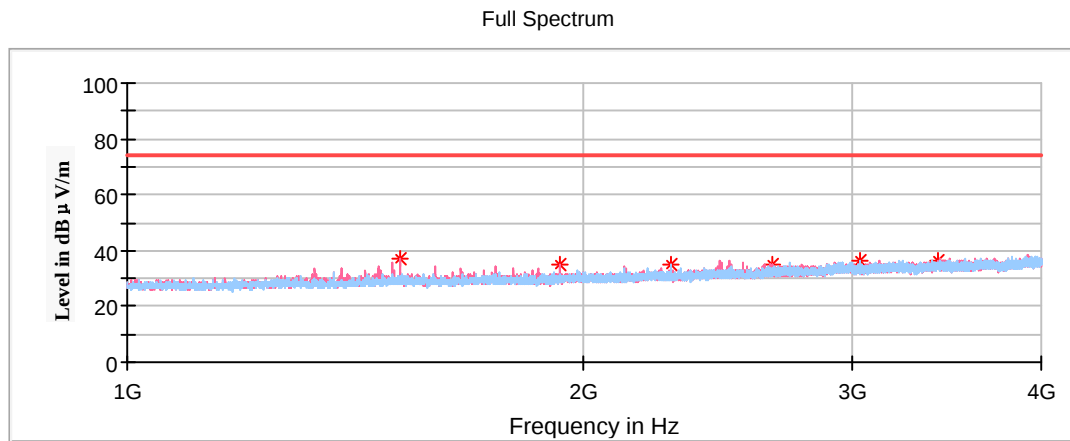
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 38.85           | 34.31               | 100         | V           | 102              | -10.5                   | 58.84          | 24.53       |
| 85.53           | 36.62               | 100         | V           | 301              | -17.8                   | 58.84          | 22.22       |
| 166.28          | 31.93               | 100         | V           | 129              | -13.0                   | 43.50          | 11.57       |
| 232.85          | 36.99               | 100         | H           | 257              | -13.7                   | 58.84          | 21.85       |
| 380.00          | 86.20               | 100         | H           | 74               | -9.1                    | 98.84          | 12.64       |
| 700.02          | 39.32               | 100         | V           | 301              | -3.0                    | 78.84          | 39.52       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 380.00          | 86.20                        | 100         | H           | -13.98                           | 72.22                        | 78.84                      | 6.62        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1520.00            | 37.15                  | 200            | V              | 258                 | -16.3                         | 54.00             | 16.85          |
| 1900.00            | 35.04                  | 200            | V              | 177                 | -14.7                         | 58.84             | 23.80          |
| 2280.00            | 35.25                  | 200            | V              | 33                  | -13.3                         | 54.00             | 18.75          |
| 2660.00            | 35.11                  | 150            | V              | 272                 | -11.7                         | 58.84             | 23.73          |
| 3040.00            | 36.08                  | 150            | H              | 140                 | -10.0                         | 58.84             | 22.76          |
| 3420.00            | 36.46                  | 150            | V              | 251                 | -9.0                          | 58.84             | 22.38          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

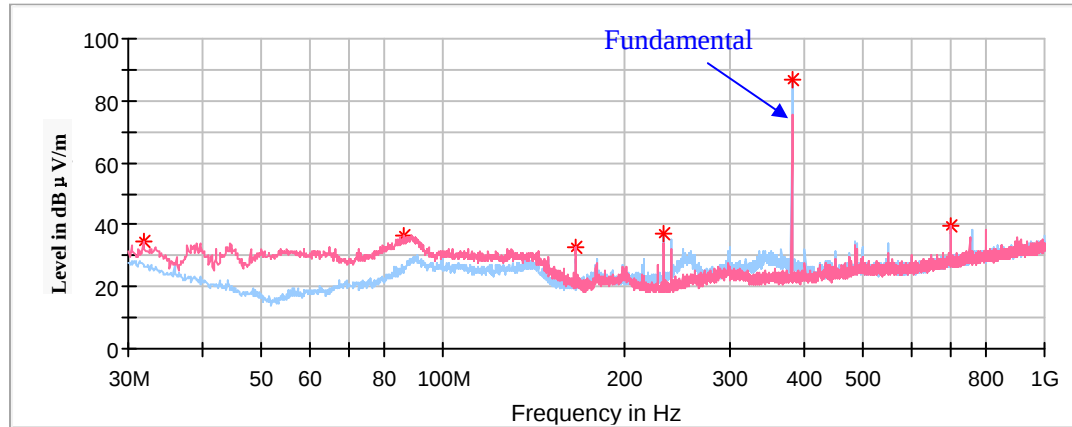
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 380.0MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 31.81           | 34.30               | 100         | V           | 16               | -5.8                    | 58.84          | 24.54       |
| 86.13           | 36.72               | 100         | V           | 253              | -17.8                   | 58.84          | 22.12       |
| 165.92          | 32.70               | 100         | V           | 169              | -13.0                   | 43.50          | 10.80       |
| 232.85          | 37.37               | 200         | H           | 247              | -13.7                   | 58.84          | 21.47       |
| 380.00          | 87.11               | 100         | H           | 319              | -9.1                    | 98.84          | 11.73       |
| 700.02          | 39.34               | 100         | V           | 301              | -3.0                    | 58.84          | 19.50       |

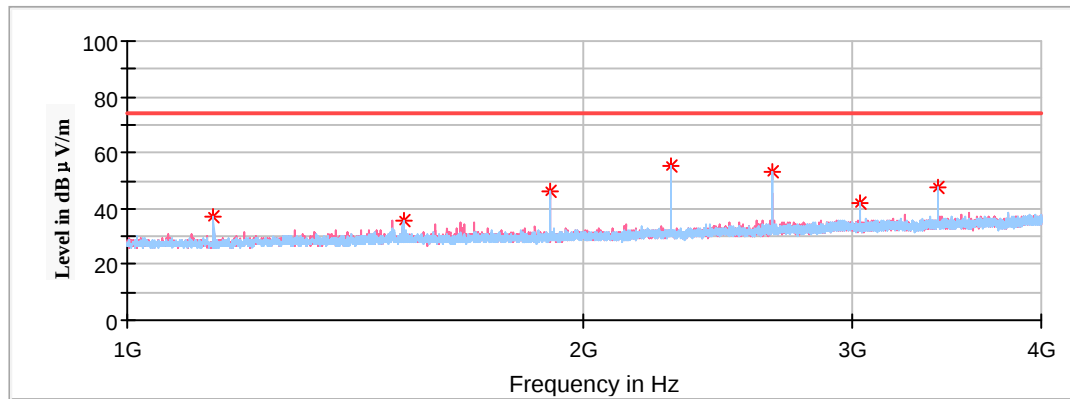
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 380.00          | 87.11                        | 100         | H           | -13.98                           | 73.13                        | 78.84                      | 5.71        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1140.00            | 37.21                  | 200            | H              | 241                 | -18.3                         | 74.00             | 36.79          |
| 1520.00            | 35.67                  | 200            | V              | 333                 | -16.3                         | 74.00             | 38.33          |
| 1900.00            | 46.25                  | 200            | H              | 332                 | -14.8                         | 78.84             | 32.59          |
| 2280.00            | 55.29                  | 200            | H              | 291                 | -13.3                         | 74.00             | 18.71          |
| 2660.00            | 53.20                  | 150            | H              | 277                 | -11.7                         | 78.84             | 25.64          |
| 3040.00            | 41.92                  | 200            | H              | 323                 | -10.0                         | 78.84             | 36.92          |
| 3420.00            | 47.82                  | 150            | H              | 63                  | -9.0                          | 78.84             | 31.02          |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1140.00            | 37.21                                    | 200            | H              | -13.98                                 | 23.23                                    | 54.00                         | 30.77          |
| 1520.00            | 35.67                                    | 200            | V              | -13.98                                 | 21.69                                    | 54.00                         | 32.31          |
| 1900.00            | 46.25                                    | 200            | H              | -13.98                                 | 32.27                                    | 58.84                         | 26.57          |
| 2280.00            | 55.29                                    | 200            | H              | -13.98                                 | 41.31                                    | 54.00                         | 12.69          |
| 2660.00            | 53.20                                    | 150            | H              | -13.98                                 | 39.22                                    | 58.84                         | 19.62          |
| 3040.00            | 41.92                                    | 200            | H              | -13.98                                 | 27.94                                    | 58.84                         | 30.90          |
| 3420.00            | 47.82                                    | 150            | H              | -13.98                                 | 33.84                                    | 58.84                         | 25.00          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

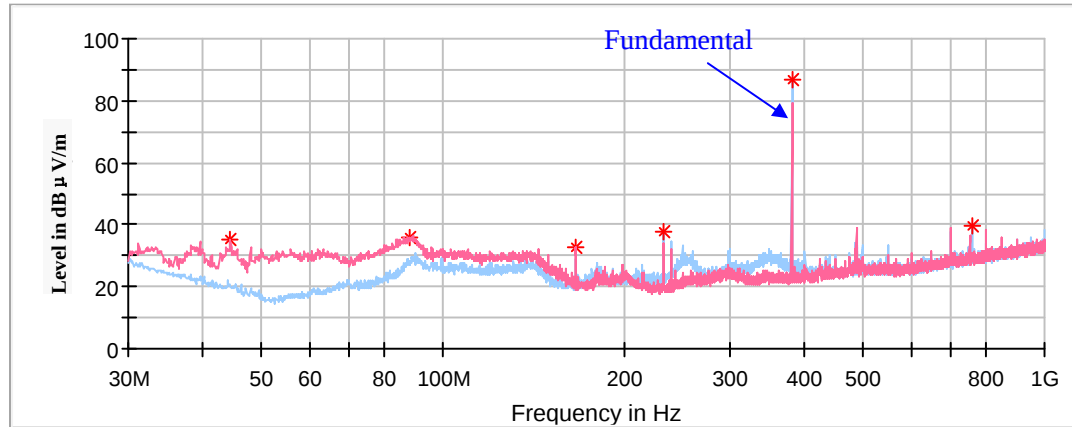
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Middle Channel: 380.0MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



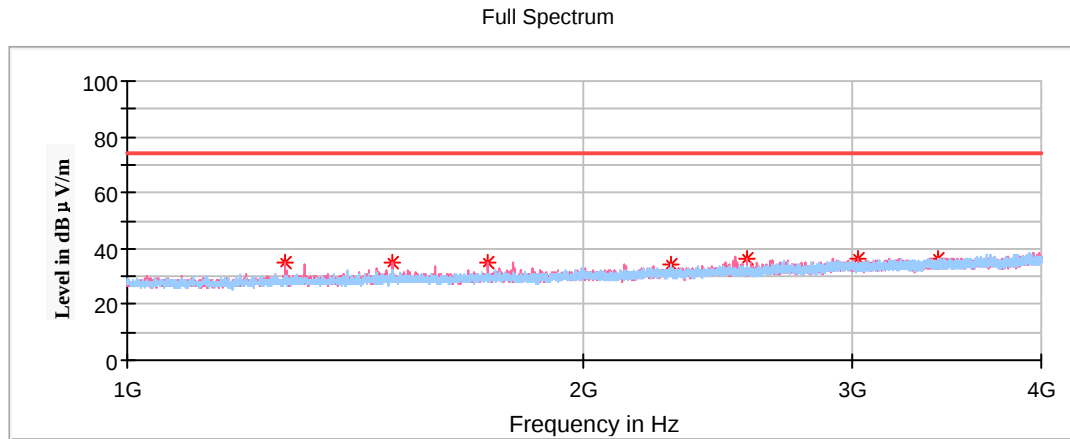
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.30           | 35.25               | 100         | V           | 94               | -14.2                   | 58.84          | 23.59       |
| 87.83           | 35.94               | 100         | V           | 288              | -17.7                   | 58.84          | 22.90       |
| 165.92          | 32.77               | 100         | V           | 154              | -13.0                   | 43.50          | 10.73       |
| 232.36          | 37.94               | 100         | H           | 245              | -13.7                   | 58.84          | 20.90       |
| 380.00          | 86.86               | 100         | H           | 60               | -9.1                    | 98.84          | 11.98       |
| 760.00          | 39.74               | 100         | H           | 60               | -2.1                    | 78.84          | 39.10       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 380.00          | 86.86                        | 100         | H           | -13.98                           | 72.88                        | 78.84                      | 5.96        |
| 760.00          | 39.74                        | 100         | H           | -13.98                           | 25.76                        | 58.84                      | 33.08       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1140.00         | 34.65               | 150         | V           | 266              | -17.6                   | 54.00          | 19.35       |
| 1520.00         | 35.06               | 150         | V           | 307              | -16.4                   | 54.00          | 18.94       |
| 1726.60         | 35.21               | 200         | V           | 318              | -15.5                   | 58.84          | 23.63       |
| 2280.00         | 34.55               | 200         | H           | 160              | -13.3                   | 54.00          | 19.45       |
| 2660.00         | 36.66               | 200         | V           | 129              | -12.1                   | 58.84          | 22.18       |
| 3040.00         | 36.05               | 200         | V           | 129              | -10.0                   | 58.84          | 22.79       |
| 3420.00         | 36.67               | 150         | V           | 0                | -9.0                    | 58.84          | 22.17       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

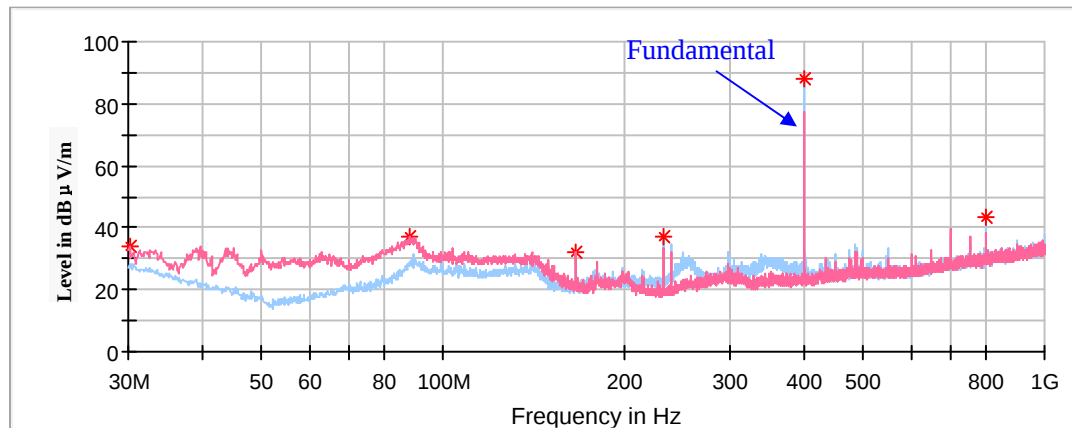
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 399.5MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



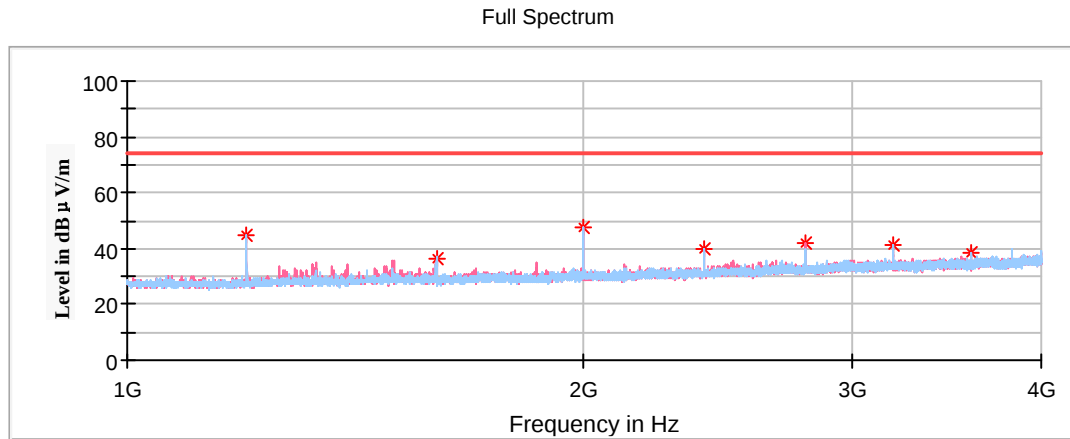
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 30.12           | 33.82               | 200         | V           | 115              | -4.7                    | 59.61          | 25.79       |
| 88.07           | 37.07               | 100         | V           | 282              | -17.7                   | 59.61          | 22.54       |
| 165.92          | 32.23               | 100         | V           | 160              | -13.0                   | 43.50          | 11.27       |
| 232.36          | 37.36               | 100         | H           | 239              | -13.7                   | 59.61          | 22.25       |
| 399.50          | 88.10               | 100         | H           | 319              | -8.6                    | 99.61          | 11.51       |
| 799.00          | 43.51               | 100         | H           | 325              | -1.4                    | 79.61          | 36.10       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 399.50          | 88.10                        | 100         | H           | -13.98                           | 74.12                        | 79.61                      | 5.49        |
| 799.00          | 43.51                        | 100         | H           | -13.98                           | 29.53                        | 59.61                      | 30.08       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1198.50         | 44.70               | 200         | H           | 257              | -18.0                   | 54.00          | 9.30        |
| 1598.00         | 36.56               | 200         | V           | 165              | -16.0                   | 54.00          | 17.44       |
| 1997.50         | 47.61               | 200         | H           | 287              | -14.5                   | 59.61          | 12.00       |
| 2397.00         | 39.52               | 150         | H           | 247              | -12.8                   | 59.61          | 20.09       |
| 2796.50         | 41.99               | 150         | V           | 31               | -11.0                   | 54.00          | 12.01       |
| 3196.00         | 41.39               | 150         | H           | 64               | -9.6                    | 59.61          | 18.22       |
| 3595.50         | 38.36               | 200         | V           | 84               | -8.5                    | 59.61          | 21.25       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

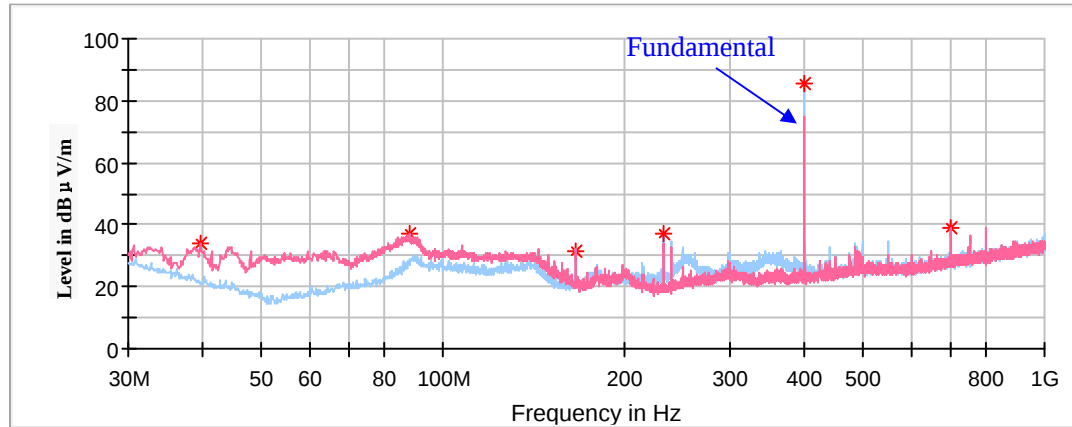
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 399.5MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



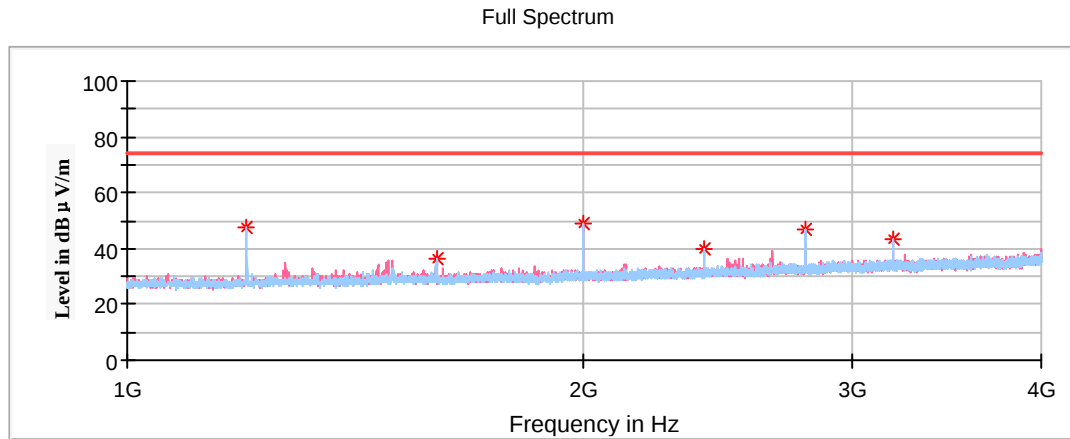
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 33.69               | 100         | V           | 107              | -10.9                   | 59.61          | 25.92       |
| 88.07           | 36.81               | 100         | V           | 295              | -17.7                   | 59.61          | 22.80       |
| 166.16          | 31.27               | 100         | V           | 161              | -13.0                   | 43.50          | 12.23       |
| 232.85          | 37.04               | 100         | H           | 264              | -13.7                   | 59.61          | 22.57       |
| 399.50          | 85.77               | 100         | H           | 96               | -8.6                    | 99.61          | 13.84       |
| 700.02          | 39.24               | 100         | V           | 307              | -3.0                    | 59.61          | 20.37       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 399.50          | 85.77                        | 100         | H           | -13.98                           | 71.79                        | 79.61                      | 7.82        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1198.50         | 47.25               | 150         | H           | 277              | -18.0                   | 54.00          | 6.75        |
| 1598.00         | 36.67               | 200         | H           | 272              | -16.0                   | 54.00          | 17.33       |
| 1997.50         | 48.88               | 200         | H           | 272              | -14.5                   | 59.61          | 10.73       |
| 2397.00         | 40.19               | 150         | H           | 308              | -12.8                   | 54.00          | 13.81       |
| 2796.50         | 46.73               | 200         | H           | 129              | -11.0                   | 54.00          | 7.27        |
| 3196.00         | 43.09               | 200         | H           | 149              | -9.6                    | 59.61          | 16.52       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

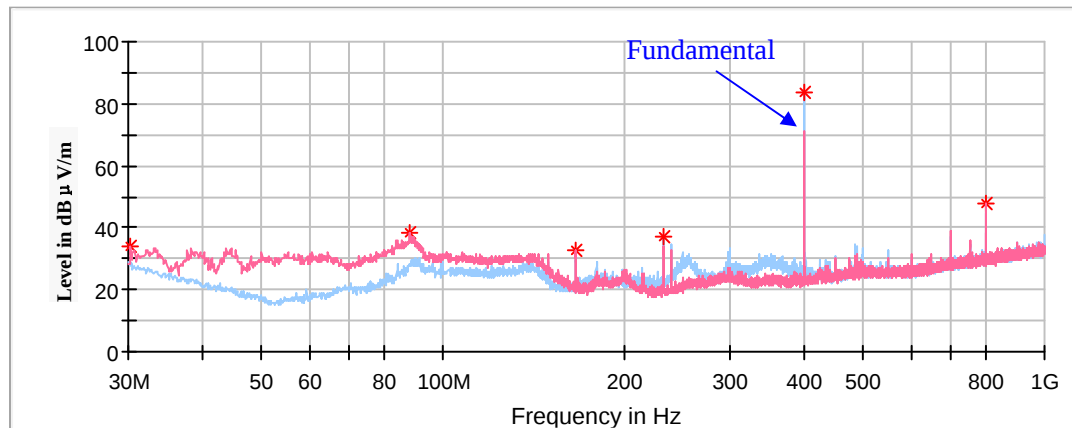
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**High Channel: 399.5MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 30.24           | 33.67               | 100         | V           | 165              | -4.7                    | 59.61          | 25.94       |
| 88.20           | 38.64               | 100         | V           | 310              | -17.7                   | 59.61          | 20.97       |
| 165.92          | 32.97               | 100         | V           | 159              | -13.0                   | 43.50          | 10.53       |
| 232.36          | 37.40               | 100         | H           | 233              | -13.7                   | 59.61          | 22.21       |
| 399.50          | 83.89               | 100         | H           | 325              | -8.6                    | 99.61          | 15.72       |
| 799.00          | 47.60               | 100         | V           | 165              | -1.4                    | 79.61          | 32.01       |

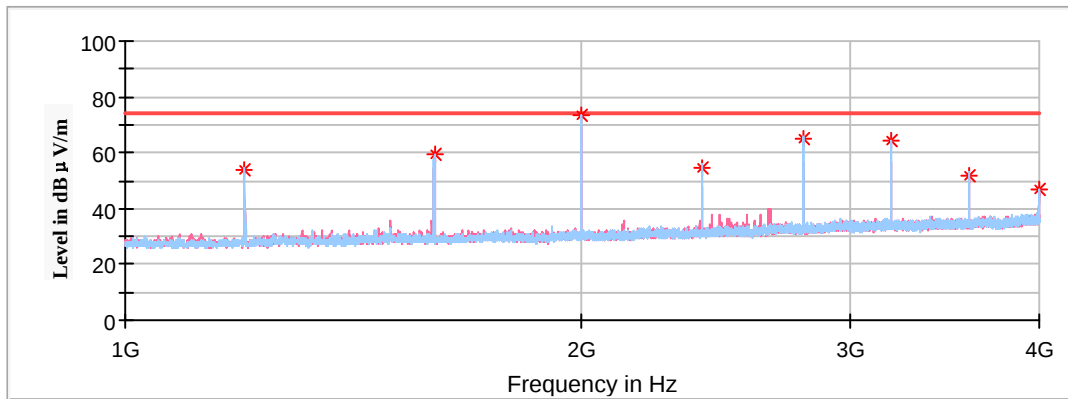
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 399.50          | 83.89                        | 100         | H           | -13.98                           | 69.91                        | 79.61                      | 9.70        |
| 799.00          | 47.60                        | 100         | V           | -13.98                           | 33.62                        | 59.61                      | 25.99       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude    | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dB $\mu$ V/m) | Margin<br>(dB) |
|--------------------|---------------------------|----------------|----------------|---------------------|-------------------------------|-------------------------|----------------|
|                    | MaxPeak<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                         |                |
| 1198.50            | 53.67                     | 200            | V              | 339                 | -18.0                         | 74.00                   | 20.33          |
| 1598.00            | 59.28                     | 150            | H              | 324                 | -16.0                         | 74.00                   | 14.72          |
| 1997.50            | 73.25                     | 150            | H              | 334                 | -14.5                         | 79.61                   | 6.36           |
| 2397.00            | 54.71                     | 200            | H              | 154                 | -12.8                         | 79.61                   | 24.90          |
| 2796.50            | 65.14                     | 200            | H              | 276                 | -11.0                         | 74.00                   | 8.86           |
| 3196.00            | 64.54                     | 150            | H              | 283                 | -9.6                          | 79.61                   | 15.07          |
| 3595.50            | 51.72                     | 200            | H              | 42                  | -8.5                          | 79.61                   | 27.89          |
| 3995.00            | 47.01                     | 200            | H              | 266                 | -7.0                          | 74.00                   | 26.99          |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dB $\mu$ V/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dB $\mu$ V/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------------|----------------|----------------|----------------------------------------|------------------------------------------|-------------------------------|----------------|
|                    |                                          |                |                |                                        |                                          | Limit<br>(dB $\mu$ V/m)       | Margin<br>(dB) |
| 1198.50            | 53.67                                    | 200            | V              | -13.98                                 | 39.69                                    | 54.00                         | 14.31          |
| 1598.00            | 59.28                                    | 150            | H              | -13.98                                 | 45.30                                    | 54.00                         | 8.70           |
| 1997.50            | 73.25                                    | 150            | H              | -13.98                                 | 59.27                                    | 59.61                         | 0.34           |
| 2397.00            | 54.71                                    | 200            | H              | -13.98                                 | 40.73                                    | 59.61                         | 18.88          |
| 2796.50            | 65.14                                    | 200            | H              | -13.98                                 | 51.16                                    | 54.00                         | 2.84           |
| 3196.00            | 64.54                                    | 150            | H              | -13.98                                 | 50.56                                    | 59.61                         | 9.05           |
| 3595.50            | 51.72                                    | 200            | H              | -13.98                                 | 37.74                                    | 59.61                         | 21.87          |
| 3995.00            | 47.01                                    | 200            | H              | -13.98                                 | 33.03                                    | 54.00                         | 20.97          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dB $\mu$ V/m) – Corrected Amplitude (dB $\mu$ V/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

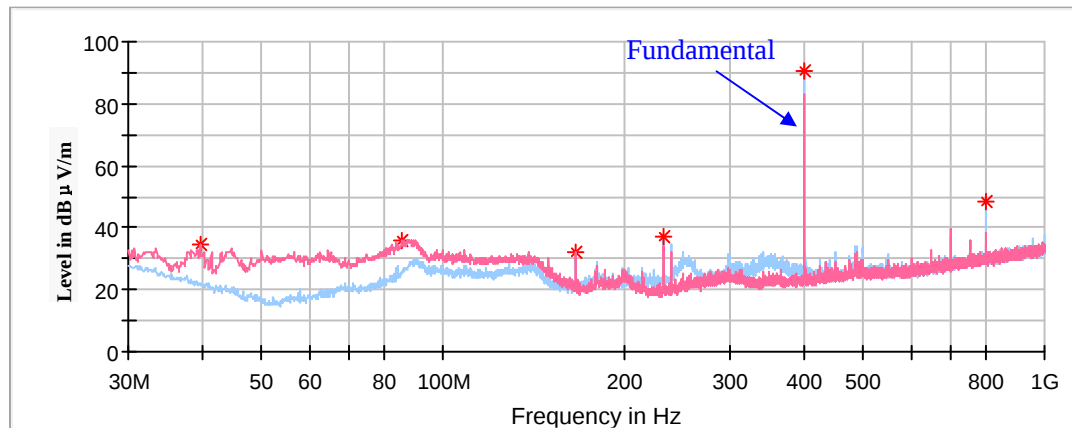
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**High Channel: 399.5MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



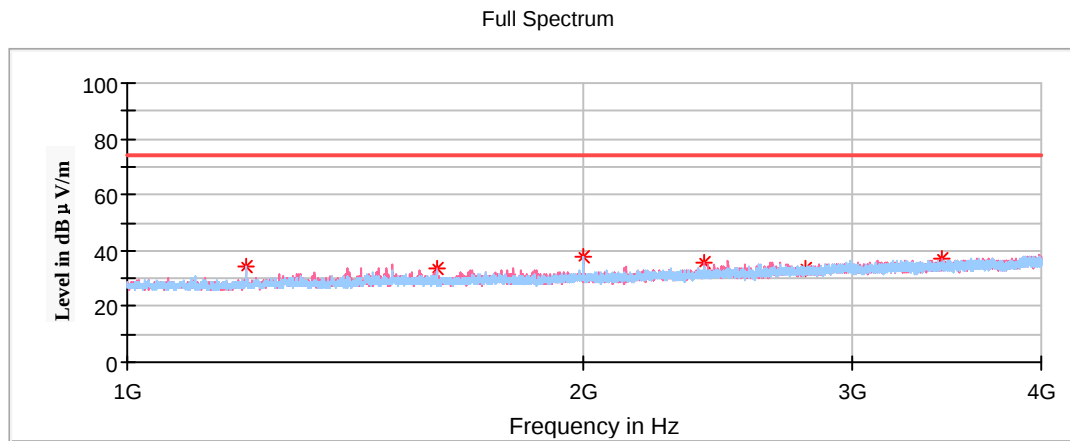
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 34.86               | 100         | V           | 114              | -10.9                   | 59.61          | 24.75       |
| 85.53           | 35.97               | 100         | V           | 290              | -17.8                   | 59.61          | 23.64       |
| 166.16          | 32.10               | 100         | V           | 156              | -13.0                   | 43.50          | 11.40       |
| 232.36          | 37.34               | 100         | H           | 247              | -13.7                   | 59.61          | 22.27       |
| 399.50          | 90.79               | 100         | H           | 52               | -8.6                    | 99.61          | 8.82        |
| 799.00          | 48.31               | 100         | H           | 39               | -1.4                    | 79.61          | 31.30       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 399.50          | 90.79                        | 100         | H           | -13.98                           | 76.81                        | 79.61                      | 2.80        |
| 799.00          | 48.31                        | 100         | H           | -13.98                           | 34.33                        | 59.61                      | 25.28       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1198.50            | 34.53                  | 150            | H              | 268                 | -18.0                         | 54.00             | 19.47          |
| 1598.00            | 33.40                  | 200            | V              | 120                 | -16.0                         | 54.00             | 20.60          |
| 1997.50            | 37.42                  | 150            | H              | 288                 | -14.5                         | 59.61             | 22.19          |
| 2397.00            | 35.77                  | 200            | V              | 151                 | -12.8                         | 59.61             | 23.84          |
| 2796.50            | 33.38                  | 150            | V              | 266                 | -11.0                         | 54.00             | 20.62          |
| 3595.50            | 37.39                  | 200            | V              | 95                  | -9.0                          | 59.61             | 22.22          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

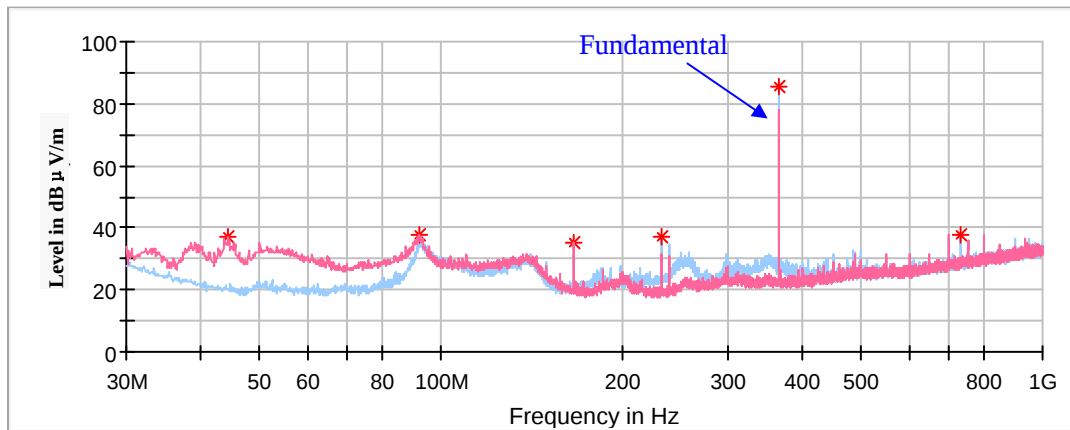
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**For OOK Modulation:****Low Channel: 365.0MHz (ANT 1)****30MHz-1GHz***(Pre-scan in the X,Y and Z axes of orientation, the worst case Z-axis of orientation was recorded.)*

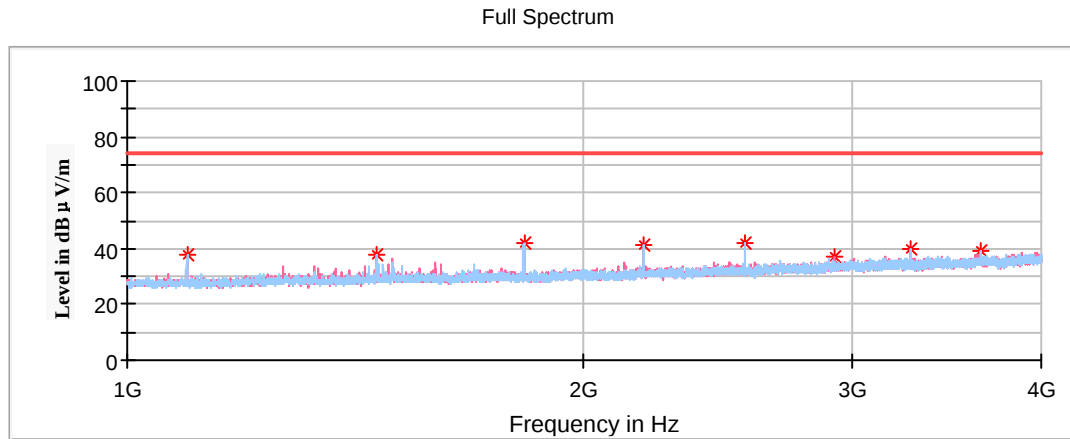
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.30           | 37.01               | 100         | V           | 190              | -14.2                   | 58.20          | 21.19       |
| 92.08           | 37.46               | 100         | V           | 324              | -17.0                   | 58.20          | 20.74       |
| 165.92          | 34.97               | 100         | V           | 136              | -13.0                   | 43.50          | 8.53        |
| 232.36          | 37.06               | 100         | H           | 240              | -13.7                   | 58.20          | 21.14       |
| 365.00          | 85.50               | 100         | H           | 0                | -9.5                    | 98.20          | 12.70       |
| 730.00          | 37.76               | 100         | H           | 0                | -2.6                    | 78.20          | 40.44       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 365.00          | 85.50                        | 100         | H           | -13.98                           | 71.52                        | 78.20                      | 6.68        |
| 730.00          | 37.76                        | 100         | H           | -13.98                           | 23.78                        | 58.20                      | 34.42       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1095.00            | 37.49                  | 200            | H              | 356                 | -18.6                         | 54.00             | 16.51          |
| 1460.00            | 37.94                  | 150            | H              | 16                  | -16.6                         | 54.00             | 16.06          |
| 1825.00            | 41.76                  | 200            | H              | 323                 | -15.1                         | 58.20             | 16.44          |
| 2190.00            | 41.14                  | 200            | H              | 206                 | -13.7                         | 58.20             | 17.06          |
| 2555.00            | 41.65                  | 200            | H              | 53                  | -12.2                         | 58.20             | 16.55          |
| 2920.00            | 37.16                  | 150            | V              | 251                 | -10.5                         | 58.20             | 21.04          |
| 3285.00            | 39.64                  | 200            | H              | 17                  | -9.4                          | 58.20             | 18.56          |
| 3650.00            | 39.10                  | 150            | V              | 241                 | -8.3                          | 54.00             | 14.90          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

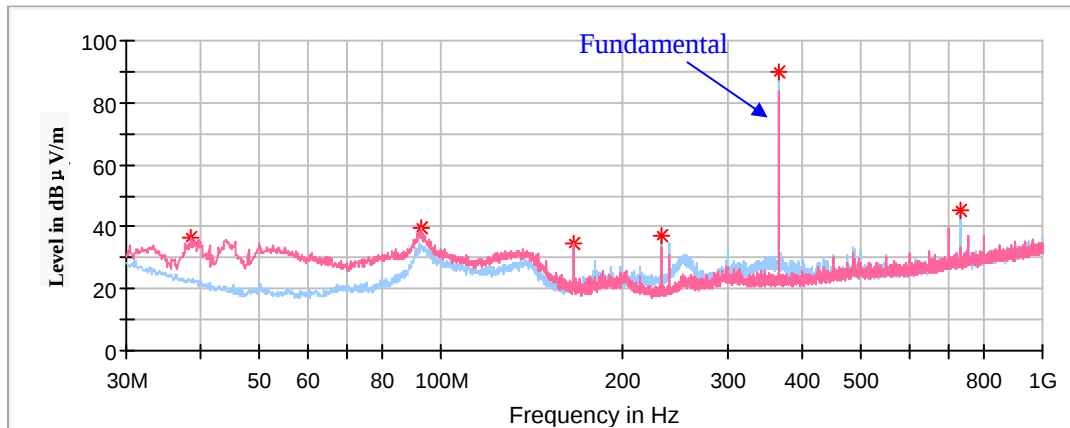
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 365.0MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



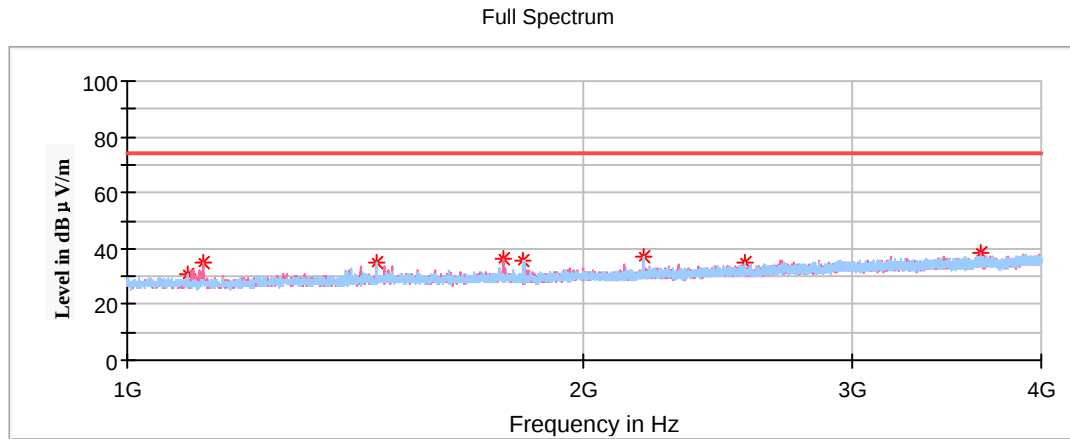
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 38.48           | 36.26               | 100         | V           | 149              | -10.3                   | 58.20          | 21.94       |
| 92.80           | 39.49               | 100         | V           | 100              | -16.9                   | 58.20          | 18.71       |
| 166.28          | 34.48               | 100         | V           | 143              | -13.0                   | 43.50          | 9.02        |
| 232.36          | 37.40               | 200         | H           | 251              | -13.7                   | 58.20          | 20.80       |
| 365.00          | 89.66               | 100         | H           | 79               | -9.5                    | 98.20          | 8.54        |
| 730.00          | 45.56               | 100         | H           | 79               | -2.6                    | 78.20          | 32.64       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 365.00          | 89.66                        | 100         | H           | -13.98                           | 75.68                        | 78.20                      | 2.52        |
| 730.00          | 45.56                        | 100         | H           | -13.98                           | 31.58                        | 58.20                      | 26.62       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1095.00         | 30.48               | 200         | H           | 166              | -18.6                   | 54.00          | 23.52       |
| 1122.10         | 34.99               | 150         | V           | 222              | -18.4                   | 54.00          | 19.01       |
| 1460.00         | 35.31               | 200         | H           | 145              | -16.6                   | 54.00          | 18.69       |
| 1771.00         | 36.29               | 150         | V           | 74               | -15.3                   | 58.20          | 21.91       |
| 1825.00         | 35.69               | 200         | H           | 186              | -15.1                   | 58.20          | 22.51       |
| 2190.00         | 37.12               | 200         | H           | 186              | -13.7                   | 58.20          | 21.08       |
| 2555.00         | 34.75               | 150         | H           | 226              | -12.2                   | 58.20          | 23.45       |
| 3650.00         | 38.68               | 150         | V           | 263              | -8.3                    | 54.00          | 15.32       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBµV/m) – Corrected Amplitude (dBµV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

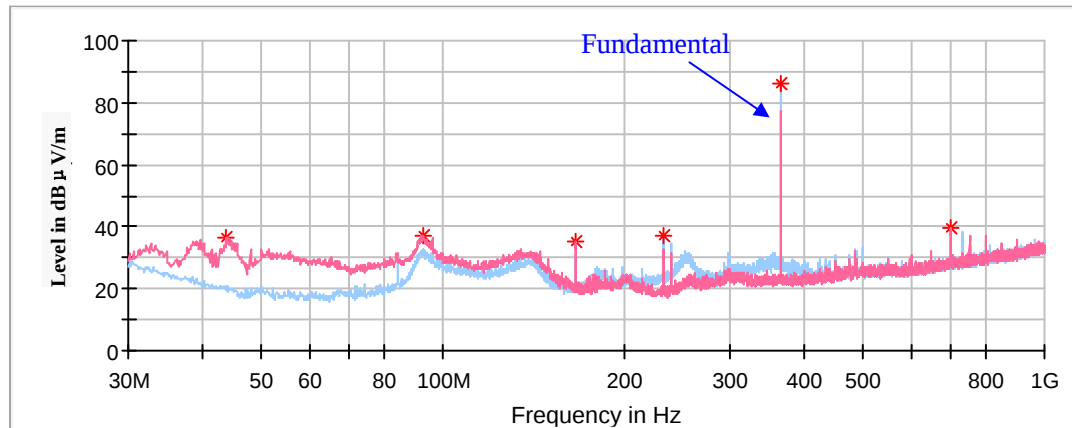
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Low Channel: 365.0MHz (ANT 3)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 43.70           | 36.36               | 100         | V           | 63               | -13.8                   | 58.20          | 21.84       |
| 92.80           | 37.19               | 100         | V           | 69               | -16.9                   | 58.20          | 21.01       |
| 166.28          | 35.10               | 100         | V           | 145              | -13.0                   | 43.50          | 8.40        |
| 232.36          | 36.93               | 200         | H           | 237              | -13.7                   | 58.20          | 21.27       |
| 365.00          | 85.95               | 100         | H           | 333              | -9.5                    | 98.20          | 12.25       |
| 700.02          | 39.75               | 100         | V           | 127              | -3.0                    | 58.20          | 18.45       |

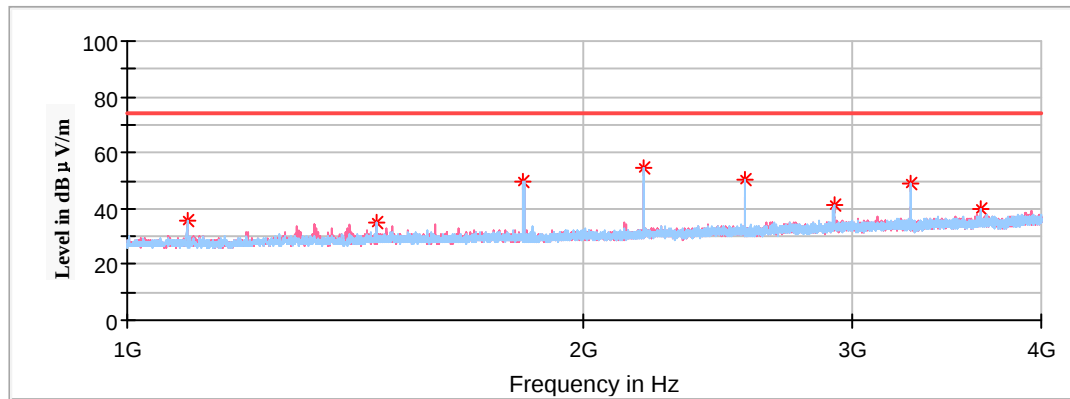
**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 365.00          | 85.95                        | 100         | H           | -13.98                           | 71.97                        | 78.20                      | 6.23        |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)

Full Spectrum



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1095.00            | 35.44                  | 200            | H              | 145                 | -18.6                         | 74.00             | 38.56          |
| 1460.00            | 35.17                  | 200            | V              | 266                 | -16.6                         | 74.00             | 38.83          |
| 1825.00            | 49.49                  | 200            | H              | 247                 | -15.1                         | 78.20             | 28.71          |
| 2190.00            | 54.72                  | 200            | H              | 42                  | -13.7                         | 78.20             | 23.48          |
| 2555.00            | 50.55                  | 200            | H              | 0                   | -12.2                         | 78.20             | 27.65          |
| 2920.00            | 41.15                  | 200            | H              | 226                 | -10.5                         | 78.20             | 37.05          |
| 3285.00            | 49.16                  | 200            | H              | 196                 | -9.4                          | 78.20             | 29.04          |
| 3650.00            | 39.82                  | 150            | H              | 318                 | -8.3                          | 74.00             | 34.18          |

**Field Strength of Average Emission**

| Frequency<br>(MHz) | Peak<br>Measurement@3m<br>(dBμV/m) | Height<br>(cm) | Polar<br>(H/V) | Duty Cycle<br>Corrected<br>Factor (dB) | Corrected<br>Amplitude<br>(dBμV/m) | FCC Part<br>15.231(b)/205/209 |                |
|--------------------|------------------------------------|----------------|----------------|----------------------------------------|------------------------------------|-------------------------------|----------------|
|                    |                                    |                |                |                                        |                                    | Limit<br>(dBμV/m)             | Margin<br>(dB) |
| 1095.00            | 35.44                              | 200            | H              | -13.98                                 | 21.46                              | 54.00                         | 32.54          |
| 1460.00            | 35.17                              | 200            | V              | -13.98                                 | 21.19                              | 54.00                         | 32.81          |
| 1825.00            | 49.49                              | 200            | H              | -13.98                                 | 35.51                              | 58.20                         | 22.69          |
| 2190.00            | 54.72                              | 200            | H              | -13.98                                 | 40.74                              | 58.20                         | 17.46          |
| 2555.00            | 50.55                              | 200            | H              | -13.98                                 | 36.57                              | 58.20                         | 21.63          |
| 2920.00            | 41.15                              | 200            | H              | -13.98                                 | 27.17                              | 58.20                         | 31.03          |
| 3285.00            | 49.16                              | 200            | H              | -13.98                                 | 35.18                              | 58.20                         | 23.02          |
| 3650.00            | 39.82                              | 150            | H              | -13.98                                 | 25.84                              | 54.00                         | 28.16          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

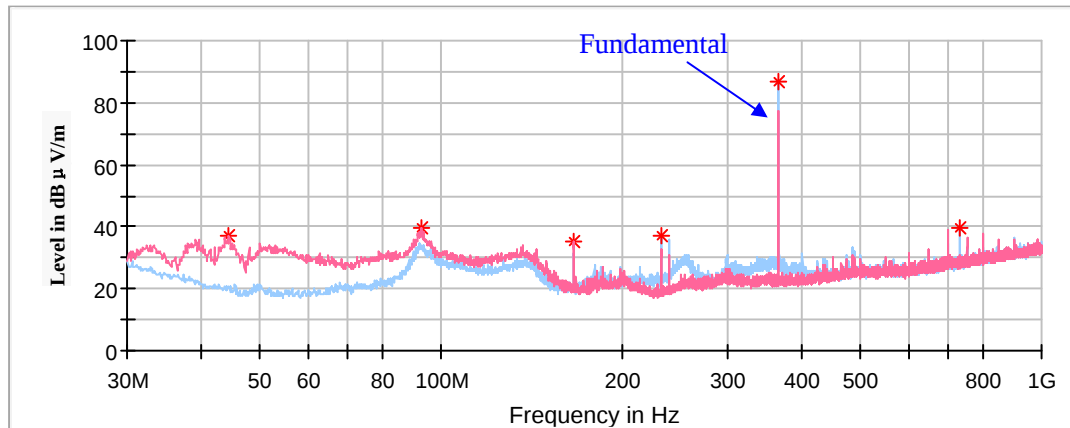
The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Low Channel: 365.0MHz (ANT 4)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



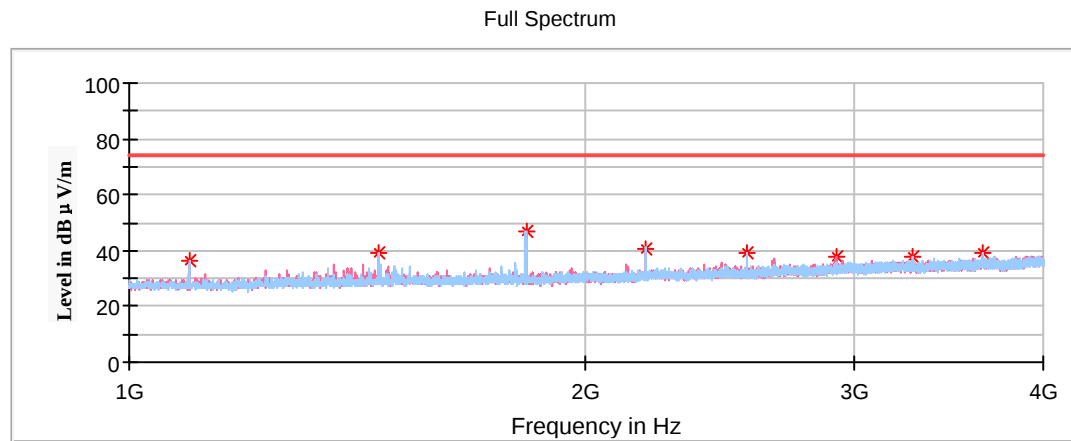
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.30           | 37.04               | 100         | V           | 27               | -14.2                   | 58.20          | 21.16       |
| 92.56           | 39.65               | 100         | V           | 82               | -16.9                   | 58.20          | 18.55       |
| 166.28          | 34.91               | 100         | V           | 184              | -13.0                   | 43.50          | 8.59        |
| 232.36          | 37.18               | 100         | H           | 236              | -13.7                   | 58.20          | 21.02       |
| 365.00          | 86.52               | 100         | H           | 339              | -9.5                    | 98.20          | 11.68       |
| 730.00          | 39.56               | 100         | H           | 345              | -2.6                    | 78.20          | 38.64       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBμV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBμV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBμV/m)             | Margin (dB) |
| 365.00          | 86.52                        | 100         | H           | -13.98                           | 72.54                        | 78.20                      | 5.66        |
| 730.00          | 39.56                        | 100         | H           | -13.98                           | 25.58                        | 58.20                      | 32.62       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBμV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBμV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 1095.00         | 36.51               | 200         | H           | 139              | -18.6                   | 54.00          | 17.49       |
| 1460.00         | 39.12               | 200         | H           | 180              | -16.6                   | 54.00          | 14.88       |
| 1825.00         | 46.78               | 200         | H           | 200              | -15.1                   | 58.20          | 11.42       |
| 2190.00         | 40.71               | 200         | H           | 220              | -13.7                   | 58.20          | 17.49       |
| 2555.00         | 39.42               | 200         | H           | 139              | -12.2                   | 58.20          | 18.78       |
| 2920.00         | 37.66               | 200         | V           | 138              | -10.5                   | 58.20          | 20.54       |
| 3285.00         | 37.49               | 150         | V           | 292              | -9.4                    | 58.20          | 20.71       |
| 3650.00         | 39.51               | 150         | H           | 185              | -8.3                    | 54.00          | 14.49       |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

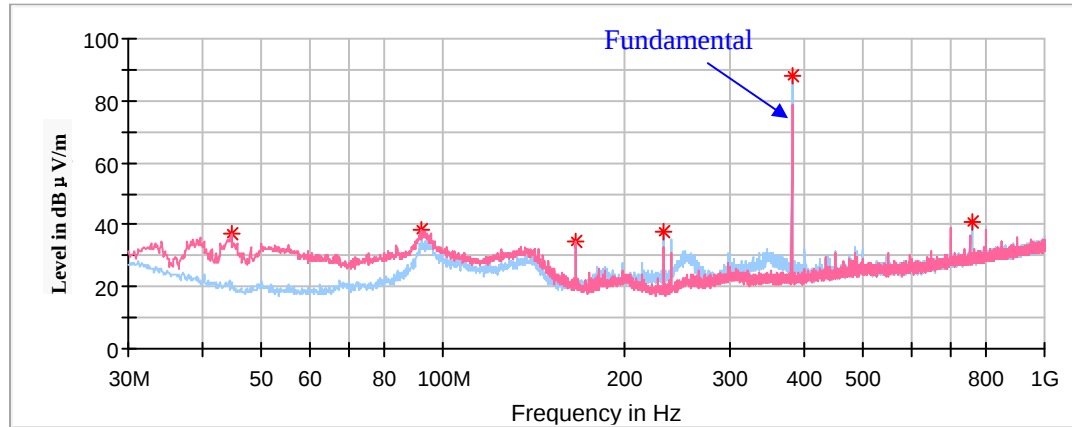
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 380.0MHz (ANT 1)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



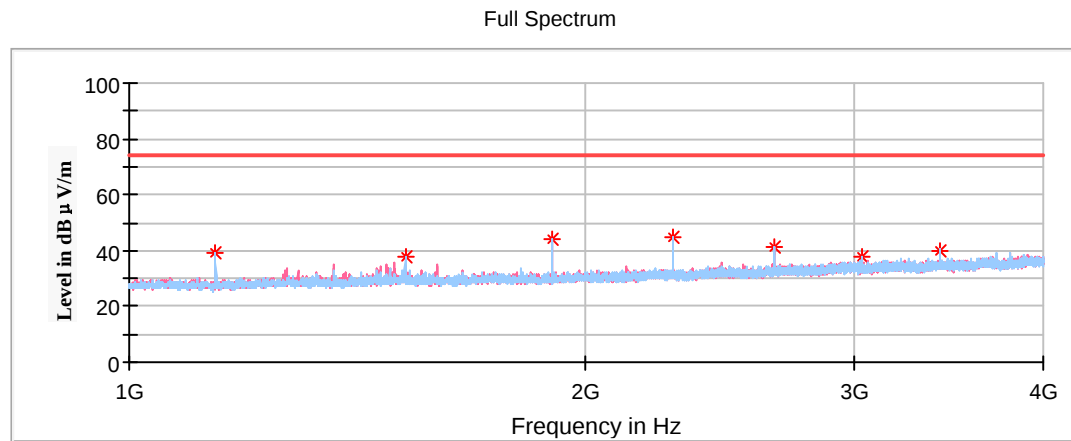
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 44.42           | 36.99               | 100         | V           | 104              | -14.2                   | 58.84          | 21.85       |
| 91.83           | 38.11               | 100         | V           | 62               | -17.1                   | 58.84          | 20.73       |
| 165.92          | 34.44               | 100         | V           | 141              | -13.0                   | 43.50          | 9.06        |
| 232.36          | 37.51               | 200         | H           | 231              | -13.7                   | 58.84          | 21.33       |
| 380.00          | 88.35               | 100         | H           | 333              | -9.1                    | 98.84          | 10.49       |
| 760.00          | 40.78               | 100         | H           | 333              | -2.1                    | 78.84          | 38.06       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 380.00          | 88.35                        | 100         | H           | -13.98                           | 74.37                        | 78.84                      | 4.47        |
| 760.00          | 40.78                        | 100         | H           | -13.98                           | 26.80                        | 58.84                      | 32.04       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1140.00            | 38.84                  | 200            | H              | 165                 | -18.3                         | 54.00             | 15.16          |
| 1520.00            | 37.76                  | 150            | H              | 168                 | -16.3                         | 54.00             | 16.24          |
| 1900.00            | 44.10                  | 200            | H              | 216                 | -14.8                         | 58.84             | 14.74          |
| 2280.00            | 44.86                  | 200            | H              | 134                 | -13.3                         | 54.00             | 9.14           |
| 2660.00            | 41.34                  | 200            | H              | 175                 | -11.7                         | 58.84             | 17.50          |
| 3040.00            | 37.69                  | 200            | H              | 10                  | -10.0                         | 58.84             | 21.15          |
| 3420.00            | 40.13                  | 150            | H              | 3                   | -9.0                          | 58.84             | 18.71          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

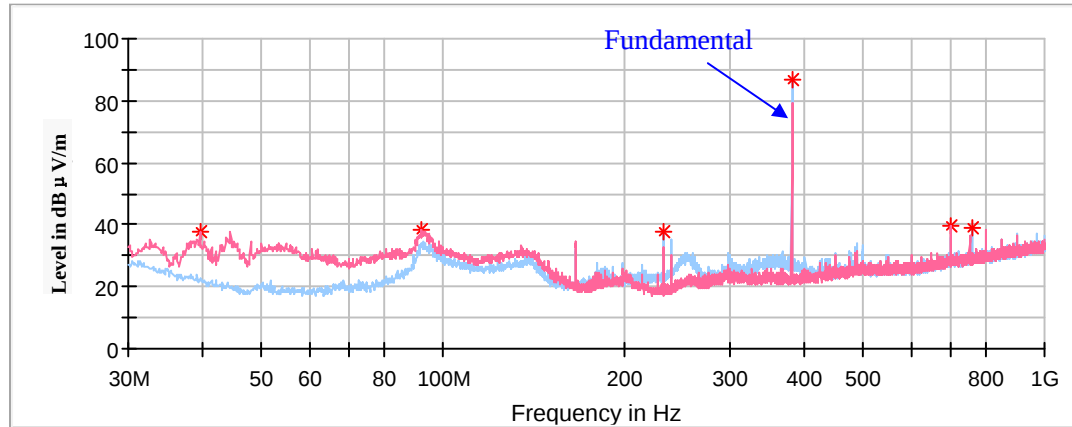
Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.

**Middle Channel: 380.0MHz (ANT 2)****30MHz-1GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



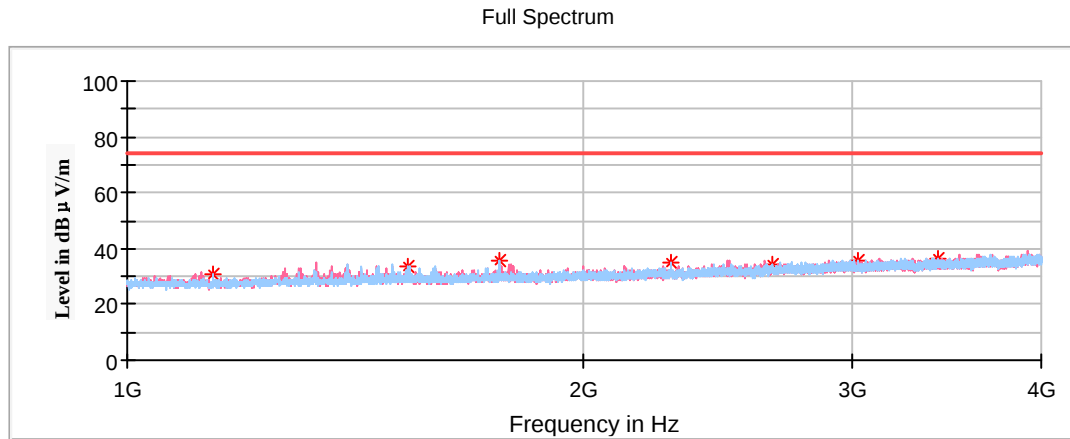
| Frequency (MHz) | Corrected Amplitude | Rx Antenna  |             | Turntable Degree | Corrected Factor (dB/m) | Limit (dBµV/m) | Margin (dB) |
|-----------------|---------------------|-------------|-------------|------------------|-------------------------|----------------|-------------|
|                 | MaxPeak (dBµV/m)    | Height (cm) | Polar (H/V) |                  |                         |                |             |
| 39.45           | 37.90               | 100         | V           | 98               | -10.9                   | 58.84          | 20.94       |
| 92.08           | 38.25               | 100         | V           | 92               | -17.0                   | 58.84          | 20.59       |
| 232.85          | 38.01               | 100         | H           | 254              | -13.7                   | 58.84          | 20.83       |
| 380.00          | 86.55               | 100         | H           | 69               | -9.1                    | 98.84          | 12.29       |
| 700.02          | 39.92               | 100         | V           | 110              | -3.0                    | 58.84          | 18.92       |
| 760.00          | 39.18               | 100         | H           | 85               | -2.1                    | 78.84          | 39.66       |

**Field Strength of Average Emission**

| Frequency (MHz) | Peak Measurement@3m (dBµV/m) | Height (cm) | Polar (H/V) | Duty Cycle Corrected Factor (dB) | Corrected Amplitude (dBµV/m) | FCC Part 15.231(b)/205/209 |             |
|-----------------|------------------------------|-------------|-------------|----------------------------------|------------------------------|----------------------------|-------------|
|                 |                              |             |             |                                  |                              | Limit (dBµV/m)             | Margin (dB) |
| 380.00          | 86.55                        | 100         | H           | -13.98                           | 72.57                        | 78.84                      | 6.27        |
| 760.00          | 39.18                        | 100         | H           | -13.98                           | 25.20                        | 58.84                      | 33.64       |

**1GHz-4GHz**

(Pre-scan in the X,Y and Z axes of orientation, the worst case **Z-axis of orientation** was recorded.)



| Frequency<br>(MHz) | Corrected<br>Amplitude | Rx Antenna     |                | Turntable<br>Degree | Corrected<br>Factor<br>(dB/m) | Limit<br>(dBμV/m) | Margin<br>(dB) |
|--------------------|------------------------|----------------|----------------|---------------------|-------------------------------|-------------------|----------------|
|                    | MaxPeak<br>(dBμV/m)    | Height<br>(cm) | Polar<br>(H/V) |                     |                               |                   |                |
| 1140.00            | 31.04                  | 200            | H              | 2                   | -18.3                         | 54.00             | 22.96          |
| 1520.00            | 33.74                  | 150            | H              | 336                 | -16.3                         | 54.00             | 20.26          |
| 1758.70            | 35.52                  | 150            | H              | 318                 | -15.4                         | 58.84             | 23.32          |
| 2280.00            | 34.96                  | 200            | H              | 298                 | -13.3                         | 54.00             | 19.04          |
| 2660.00            | 33.97                  | 200            | H              | 2                   | -11.7                         | 58.84             | 24.87          |
| 3040.00            | 35.86                  | 200            | V              | 200                 | -10.0                         | 58.84             | 22.98          |
| 3420.00            | 36.35                  | 150            | H              | 266                 | -9.0                          | 58.84             | 22.49          |

**Note 1:**

Corrected Factor (dB/m) = Antenna factor (RX) (dB/m) + Cable Loss (dB) – Amplifier Factor (dB)

Margin (dB) = Limit (dBμV/m) – Corrected Amplitude (dBμV/m)

**Note 2:**

Calculate Average value based on Duty Cycle correction factor:

The manufacturer declared that the maximum duty cycle is 20%.

Duty Cycle Corrected Factor =  $20 \times \log(20\%) = -13.98\text{dB}$

Average value = Peak value + Duty Cycle Corrected Factor

**Note 3:**

If the spurious emissions maximized peak measured value complies with the average limit, it is unnecessary to perform an Average measurement.