

**Final**

Regulatory Compliance Exhibit

# **C band EIRP Spectral Density (FCC 25.221)**

Model Name: Intellian v240MT

Date: June 05, 2018

Version 1.0

Prepared by

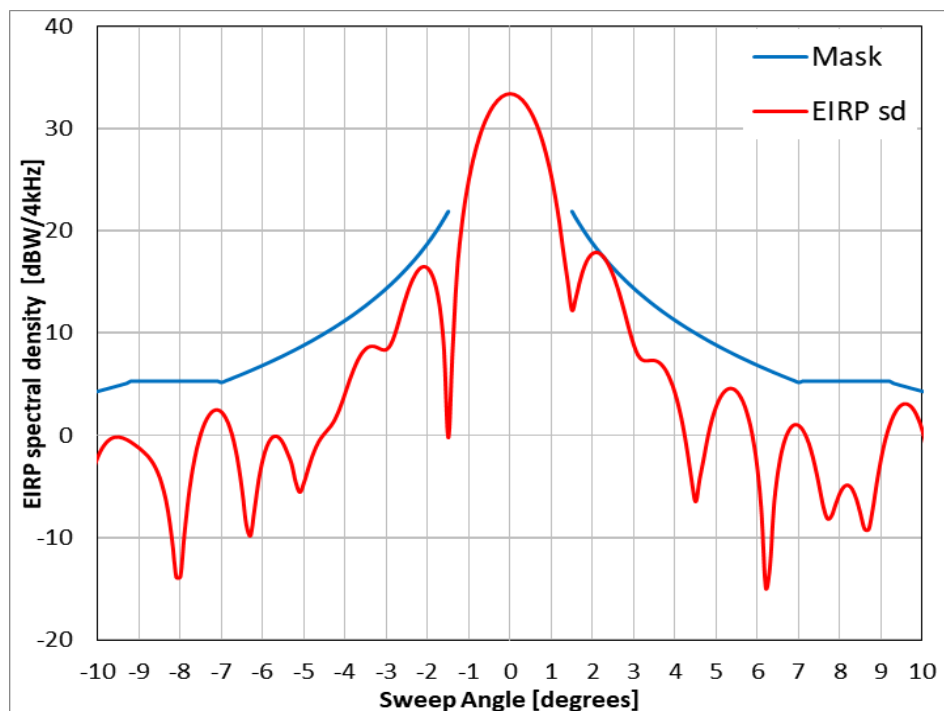
RF Engineering Department  
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## Contents

|                                                                  |           |
|------------------------------------------------------------------|-----------|
| <b>1. EIRP Spectral Density of v240MT C-band 5.85 GHz .....</b>  | <b>3</b>  |
| 1.1. Azimuth Pattern for Co-pol, Narrow Angle (-10°~10°) .....   | 3         |
| 1.2. Azimuth Pattern for Co-pol, Wide Angle (-180°~180°) .....   | 4         |
| 1.3. Azimuth Pattern for Cross-pol, Narrow angle (-7°~7°) .....  | 4         |
| 1.4. Elevation Pattern for Co-pol, Narrow Angle (0°~30°) .....   | 6         |
| <b>2. EIRP Spectral Density Data 5.85 GHz .....</b>              | <b>7</b>  |
| 2.1. Azimuth Pattern for Co-pol (-10°~10°) .....                 | 7         |
| 2.2. Azimuth Pattern for Co-pol (-180°~180°) .....               | 9         |
| 2.3. Azimuth Pattern for Cross-pol (-7°~7°) .....                | 13        |
| 2.4. Elevation Pattern for Co-pol (0°~30°) .....                 | 15        |
| <b>3. EIRP Spectral Density of v240MT C-band 6.425 GHz .....</b> | <b>18</b> |
| 3.1. Azimuth Pattern for Co-pol, Narrow Angle (-10°~10°) .....   | 18        |
| 3.2. Azimuth Pattern for Co-pol, Wide Angle (-180°~180°) .....   | 19        |
| 3.3. Azimuth Pattern for Cross-pol, Narrow angle (-7°~7°) .....  | 20        |
| 3.4. Elevation Pattern for Co-pol, Narrow Angle (0°~30°) .....   | 21        |
| <b>4. EIRP Spectral Density Data 6.425 GHz .....</b>             | <b>22</b> |
| 4.1. Azimuth Pattern for Co-pol (-10°~10°) .....                 | 22        |
| 4.2. Azimuth Pattern for Co-pol (-180°~180°) .....               | 24        |
| 4.3. Azimuth Pattern for Cross-pol (-7°~7°) .....                | 28        |
| 4.4. Elevation Pattern for Co-pol (0°~30°) .....                 | 30        |

## 1. EIRP Spectral Density of v240MT C-band 5.85 GHz

### 1.1. Azimuth Pattern for Co-pol, Narrow Angle (-10° ~ 10°)



-6.30 dBW/ 4kHz Input power spectral density @ f=5.85 GHz & 0.4 dB Radome loss

#### ▪ FCC EIRP spectral density regulation

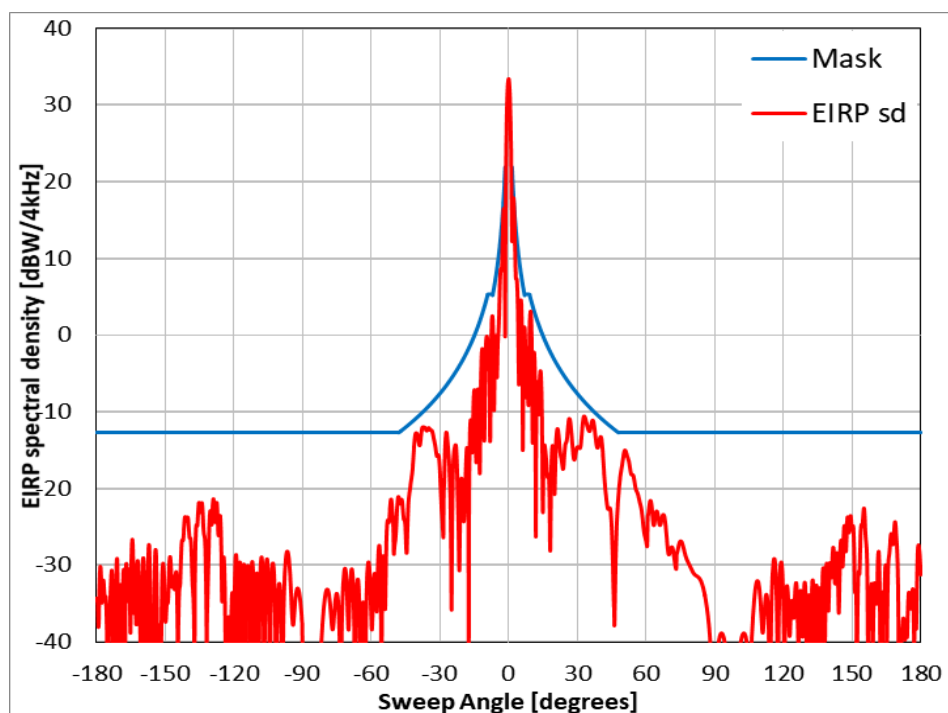
|                        |          |     |                                            |
|------------------------|----------|-----|--------------------------------------------|
| 26.3-25log( $\theta$ ) | dBW/4kHz | for | $1.5^{\circ} \leq \theta \leq 7.0^{\circ}$ |
| 5.3                    | dBW/4kHz | for | $7.0^{\circ} < \theta \leq 9.2^{\circ}$    |
| 29.3-25log( $\theta$ ) | dBW/4kHz | for | $9.2^{\circ} < \theta \leq 48^{\circ}$     |
| -12.7                  | dBW/4kHz | for | $48^{\circ} < \theta \leq 180^{\circ}$     |

The v240MT's C band(5.85 GHz) Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.30 dBW/ 4kHz

Note

The EIRP spectral density pattern above is measured in Circular Polarization

## 1.2. Azimuth Pattern for Co-pol, Wide Angle (-180°~180°)



-6.30 dBW/ 4kHz Input power spectral density @ f=5.85 GHz & 0.4 dB Radome loss

### ▪ FCC EIRP spectral density regulation

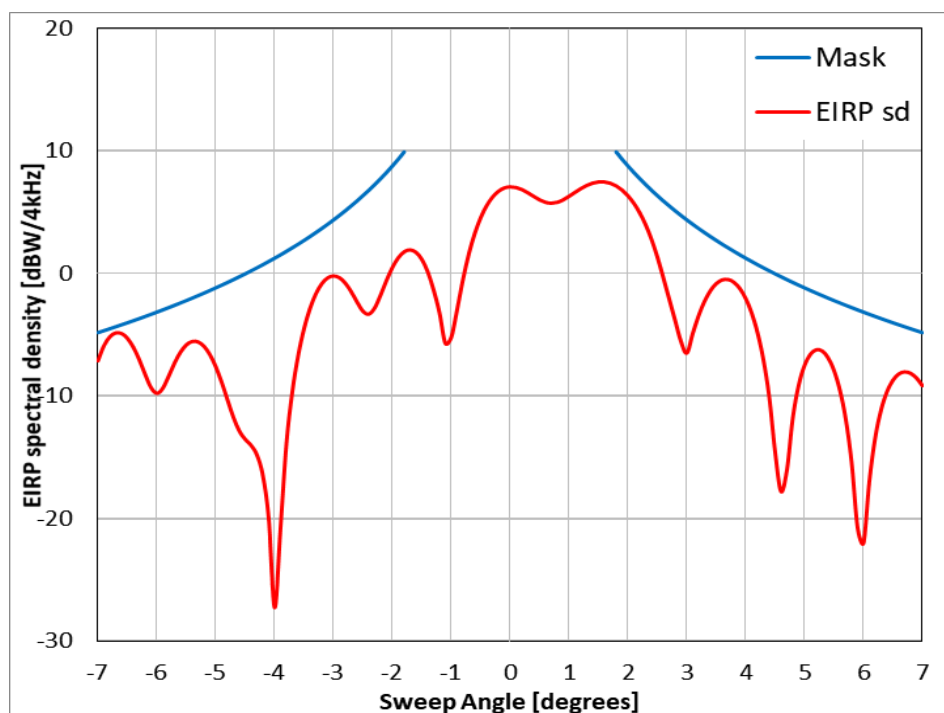
|                        |          |     |                                        |
|------------------------|----------|-----|----------------------------------------|
| 26.3-25log( $\theta$ ) | dBW/4kHz | for | $1.5^\circ \leq \theta \leq 7.0^\circ$ |
| 5.3                    | dBW/4kHz | for | $7.0^\circ < \theta \leq 9.2^\circ$    |
| 29.3-25log( $\theta$ ) | dBW/4kHz | for | $9.2^\circ < \theta \leq 48^\circ$     |
| -12.7                  | dBW/4kHz | for | $48^\circ < \theta \leq 180^\circ$     |

The v240MT's C band(5.85 GHz) Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.30 dBW/ 4kHz

Note

The EIRP spectral density pattern above is measured in Circular Polarization

## 1.3. Azimuth Pattern for Cross-pol, Narrow angle (-7°~7°)



-6.30 dBW/ 4kHz Input power spectral density @ f=5.85 GHz & 0.4 dB Radome loss

### ▪ FCC EIRP spectral density regulation

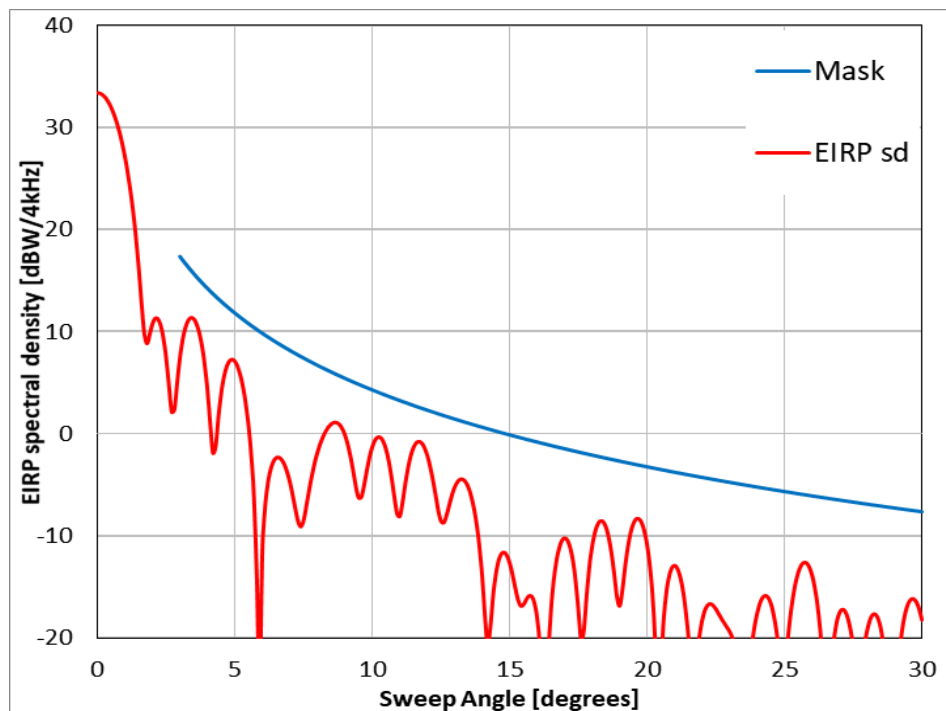
$$16.3 - 25 \log(\theta) \quad \text{dBW/4kHz} \quad \text{for} \quad 1.8^\circ \leq \theta \leq 7.0^\circ$$

The v240MT's C band(5.85 GHz) Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.30 dBW/ 4kHz

Note

The EIRP spectral density pattern above is measured in Circular Polarization

## 1.4. Elevation Pattern for Co-pol, Narrow Angle (0°~30°)



-6.30 dBW/ 4kHz Input power spectral density @ f=5.85 GHz & 0.4 dB Radome loss

### ▪ FCC EIRP spectral density regulation

|                        |          |     |                                       |
|------------------------|----------|-----|---------------------------------------|
| 29.3-25log( $\theta$ ) | dBW/4kHz | for | $3.0^\circ \leq \theta \leq 48^\circ$ |
| -12.7                  | dBW/4kHz | for | $48^\circ < \theta \leq 180^\circ$    |

The v240MT's C band(5.85 GHz) Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.30 dBW/ 4kHz

Note

The EIRP spectral density pattern above is measured in Circular Polarization

## 2. C band EIRP Spectral Density Data 5.85 GHz

### 2.1. Azimuth Pattern for Co-pol (-10°~10°)

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -10.000                   | -2.075             | 4.300           |
| -9.900                    | -1.270             | 4.409           |
| -9.800                    | -0.713             | 4.519           |
| -9.700                    | -0.365             | 4.631           |
| -9.600                    | -0.192             | 4.743           |
| -9.500                    | -0.164             | 4.857           |
| -9.400                    | -0.253             | 4.972           |
| -9.300                    | -0.429             | 5.088           |
| -9.200                    | -0.667             | 5.300           |
| -9.100                    | -0.944             | 5.300           |
| -9.000                    | -1.251             | 5.300           |
| -8.900                    | -1.593             | 5.300           |
| -8.800                    | -1.996             | 5.300           |
| -8.700                    | -2.507             | 5.300           |
| -8.600                    | -3.194             | 5.300           |
| -8.500                    | -4.149             | 5.300           |
| -8.400                    | -5.504             | 5.300           |
| -8.300                    | -7.458             | 5.300           |
| -8.200                    | -10.304            | 5.300           |
| -8.100                    | -13.871            | 5.300           |
| -8.000                    | -13.807            | 5.300           |
| -7.900                    | -9.570             | 5.300           |
| -7.800                    | -5.932             | 5.300           |
| -7.700                    | -3.254             | 5.300           |
| -7.600                    | -1.267             | 5.300           |
| -7.500                    | 0.209              | 5.300           |
| -7.400                    | 1.279              | 5.300           |
| -7.300                    | 1.999              | 5.300           |
| -7.200                    | 2.400              | 5.300           |
| -7.100                    | 2.492              | 5.300           |
| -7.000                    | 2.267              | 5.173           |
| -6.900                    | 1.702              | 5.329           |
| -6.800                    | 0.748              | 5.487           |
| -6.700                    | -0.675             | 5.648           |
| -6.600                    | -2.696             | 5.811           |
| -6.500                    | -5.474             | 5.977           |
| -6.400                    | -8.757             | 6.146           |
| -6.300                    | -9.806             | 6.316           |
| -6.200                    | -7.169             | 6.490           |
| -6.100                    | -4.366             | 6.667           |
| -6.000                    | -2.360             | 6.846           |
| -5.900                    | -1.057             | 7.029           |
| -5.800                    | -0.322             | 7.214           |
| -5.700                    | -0.071             | 7.403           |
| -5.600                    | -0.255             | 7.595           |
| -5.500                    | -0.840             | 7.791           |
| -5.400                    | -1.759             | 7.990           |
| -5.300                    | -2.830             | 8.193           |
| -5.200                    | -4.616             | 8.400           |
| -5.100                    | -5.554             | 8.611           |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -5.000                    | -4.599             | 8.826           |
| -4.900                    | -3.282             | 9.045           |
| -4.800                    | -2.047             | 9.269           |
| -4.700                    | -1.062             | 9.498           |
| -4.600                    | -0.337             | 9.731           |
| -4.500                    | 0.197              | 9.970           |
| -4.400                    | 0.664              | 10.214          |
| -4.300                    | 1.217              | 10.463          |
| -4.200                    | 1.986              | 10.719          |
| -4.100                    | 2.994              | 10.980          |
| -4.000                    | 4.155              | 11.249          |
| -3.900                    | 5.332              | 11.523          |
| -3.800                    | 6.411              | 11.805          |
| -3.700                    | 7.317              | 12.095          |
| -3.600                    | 8.008              | 12.392          |
| -3.500                    | 8.466              | 12.698          |
| -3.400                    | 8.689              | 13.013          |
| -3.300                    | 8.695              | 13.337          |
| -3.200                    | 8.543              | 13.671          |
| -3.100                    | 8.365              | 14.016          |
| -3.000                    | 8.390              | 14.372          |
| -2.900                    | 8.863              | 14.740          |
| -2.800                    | 9.851              | 15.121          |
| -2.700                    | 11.171             | 15.516          |
| -2.600                    | 12.565             | 15.926          |
| -2.500                    | 13.850             | 16.351          |
| -2.400                    | 14.927             | 16.795          |
| -2.300                    | 15.748             | 17.257          |
| -2.200                    | 16.282             | 17.739          |
| -2.100                    | 16.496             | 18.245          |
| -2.000                    | 16.342             | 18.774          |
| -1.900                    | 15.733             | 19.331          |
| -1.800                    | 14.505             | 19.918          |
| -1.700                    | 12.303             | 20.539          |
| -1.600                    | 8.136              | 21.197          |
| -1.500                    | -0.221             | 21.898          |
| -1.400                    | 7.926              |                 |
| -1.300                    | 15.316             |                 |
| -1.200                    | 19.633             |                 |
| -1.100                    | 22.693             |                 |
| -1.000                    | 25.046             |                 |
| -0.900                    | 26.928             |                 |
| -0.800                    | 28.464             |                 |
| -0.700                    | 29.727             |                 |
| -0.600                    | 30.762             |                 |
| -0.500                    | 31.601             |                 |
| -0.400                    | 32.264             |                 |
| -0.300                    | 32.767             |                 |
| -0.200                    | 33.119             |                 |
| -0.100                    | 33.328             |                 |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 0.000                     | 33.396             |                 |
| 0.100                     | 33.326             |                 |
| 0.200                     | 33.117             |                 |
| 0.300                     | 32.766             |                 |
| 0.400                     | 32.267             |                 |
| 0.500                     | 31.611             |                 |
| 0.600                     | 30.785             |                 |
| 0.700                     | 29.772             |                 |
| 0.800                     | 28.547             |                 |
| 0.900                     | 27.075             |                 |
| 1.000                     | 25.309             |                 |
| 1.100                     | 23.185             |                 |
| 1.200                     | 20.638             |                 |
| 1.300                     | 17.700             |                 |
| 1.400                     | 14.987             |                 |
| 1.500                     | 12.223             | 21.898          |
| 1.600                     | 13.552             | 21.197          |
| 1.700                     | 15.218             | 20.539          |
| 1.800                     | 16.500             | 19.918          |
| 1.900                     | 17.334             | 19.331          |
| 2.000                     | 17.776             | 18.774          |
| 2.100                     | 17.885             | 18.245          |
| 2.200                     | 17.703             | 17.739          |
| 2.300                     | 17.257             | 17.257          |
| 2.400                     | 16.564             | 16.795          |
| 2.500                     | 15.638             | 16.351          |
| 2.600                     | 14.493             | 15.926          |
| 2.700                     | 13.153             | 15.516          |
| 2.800                     | 11.673             | 15.121          |
| 2.900                     | 10.163             | 14.740          |
| 3.000                     | 8.816              | 14.372          |
| 3.100                     | 7.856              | 14.016          |
| 3.200                     | 7.385              | 13.671          |
| 3.300                     | 7.284              | 13.337          |
| 3.400                     | 7.326              | 13.013          |
| 3.500                     | 7.321              | 12.698          |
| 3.600                     | 7.160              | 12.392          |
| 3.700                     | 6.788              | 12.095          |
| 3.800                     | 6.174              | 11.805          |
| 3.900                     | 5.296              | 11.523          |
| 4.000                     | 4.125              | 11.249          |
| 4.100                     | 2.620              | 10.980          |
| 4.200                     | 0.722              | 10.719          |
| 4.300                     | -1.626             | 10.463          |
| 4.400                     | -4.331             | 10.214          |
| 4.500                     | -6.489             | 9.970           |
| 4.600                     | -4.235             | 9.731           |
| 4.700                     | -2.184             | 9.498           |
| 4.800                     | -0.080             | 9.269           |
| 4.900                     | 1.595              | 9.045           |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 5.000                     | 2.842              | 8.826           |
| 5.100                     | 3.722              | 8.611           |
| 5.200                     | 4.286              | 8.400           |
| 5.300                     | 4.561              | 8.193           |
| 5.400                     | 4.560              | 7.990           |
| 5.500                     | 4.277              | 7.791           |
| 5.600                     | 3.690              | 7.595           |
| 5.700                     | 2.755              | 7.403           |
| 5.800                     | 1.394              | 7.214           |
| 5.900                     | -0.538             | 7.029           |
| 6.000                     | -3.331             | 6.846           |
| 6.100                     | -7.664             | 6.667           |
| 6.200                     | -14.889            | 6.490           |
| 6.300                     | -12.954            | 6.316           |
| 6.400                     | -6.921             | 6.146           |
| 6.500                     | -3.497             | 5.977           |
| 6.600                     | -1.385             | 5.811           |
| 6.700                     | -0.059             | 5.648           |
| 6.800                     | 0.710              | 5.487           |
| 6.900                     | 1.032              | 5.329           |
| 7.000                     | 0.964              | 5.173           |
| 7.100                     | 0.525              | 5.300           |
| 7.200                     | -0.284             | 5.300           |
| 7.300                     | -1.479             | 5.300           |
| 7.400                     | -3.074             | 5.300           |
| 7.500                     | -5.017             | 5.300           |
| 7.600                     | -6.996             | 5.300           |
| 7.700                     | -8.165             | 5.300           |
| 7.800                     | -7.850             | 5.300           |
| 7.900                     | -6.722             | 5.300           |
| 8.000                     | -5.661             | 5.300           |
| 8.100                     | -5.016             | 5.300           |
| 8.200                     | -4.877             | 5.300           |
| 8.300                     | -5.273             | 5.300           |
| 8.400                     | -6.228             | 5.300           |
| 8.500                     | -7.691             | 5.300           |
| 8.600                     | -9.172             | 5.300           |
| 8.700                     | -9.182             | 5.300           |
| 8.800                     | -7.129             | 5.300           |
| 8.900                     | -4.528             | 5.300           |
| 9.000                     | -2.260             | 5.300           |
| 9.100                     | -0.460             | 5.300           |
| 9.200                     | 0.914              | 5.300           |
| 9.300                     | 1.920              | 5.088           |
| 9.400                     | 2.602              | 4.972           |
| 9.500                     | 2.986              | 4.857           |
| 9.600                     | 3.087              | 4.743           |
| 9.700                     | 2.906              | 4.631           |
| 9.800                     | 2.432              | 4.519           |
| 9.900                     | 1.637              | 4.409           |
| 10.000                    | 0.469              | 4.300           |

## 2.2. Azimuth Pattern for Co-pol (-180°~180°)

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -180.000                  | -34.299            | -12.700         |
| -179.000                  | -37.693            | -12.700         |
| -178.000                  | -31.287            | -12.700         |
| -177.000                  | -31.953            | -12.700         |
| -176.000                  | -34.058            | -12.700         |
| -175.000                  | -45.577            | -12.700         |
| -174.000                  | -35.008            | -12.700         |
| -173.000                  | -32.715            | -12.700         |
| -172.000                  | -33.266            | -12.700         |
| -171.000                  | -29.128            | -12.700         |
| -170.000                  | -37.127            | -12.700         |
| -169.000                  | -33.933            | -12.700         |
| -168.000                  | -30.807            | -12.700         |
| -167.000                  | -29.834            | -12.700         |
| -166.000                  | -31.115            | -12.700         |
| -165.000                  | -35.337            | -12.700         |
| -164.000                  | -28.860            | -12.700         |
| -163.000                  | -31.453            | -12.700         |
| -162.000                  | -29.415            | -12.700         |
| -161.000                  | -37.609            | -12.700         |
| -160.000                  | -31.278            | -12.700         |
| -159.000                  | -33.758            | -12.700         |
| -158.000                  | -38.042            | -12.700         |
| -157.000                  | -27.343            | -12.700         |
| -156.000                  | -40.276            | -12.700         |
| -155.000                  | -46.619            | -12.700         |
| -154.000                  | -28.384            | -12.700         |
| -153.000                  | -38.258            | -12.700         |
| -152.000                  | -45.102            | -12.700         |
| -151.000                  | -29.938            | -12.700         |
| -150.000                  | -36.293            | -12.700         |
| -149.000                  | -34.887            | -12.700         |
| -148.000                  | -29.138            | -12.700         |
| -147.000                  | -32.872            | -12.700         |
| -146.000                  | -32.767            | -12.700         |
| -145.000                  | -31.415            | -12.700         |
| -144.000                  | -34.520            | -12.700         |
| -143.000                  | -28.637            | -12.700         |
| -142.000                  | -26.327            | -12.700         |
| -141.000                  | -23.968            | -12.700         |
| -140.000                  | -23.941            | -12.700         |
| -139.000                  | -26.456            | -12.700         |
| -138.000                  | -32.598            | -12.700         |
| -137.000                  | -33.138            | -12.700         |
| -136.000                  | -24.895            | -12.700         |
| -135.000                  | -22.119            | -12.700         |
| -134.000                  | -21.848            | -12.700         |
| -133.000                  | -26.027            | -12.700         |
| -132.000                  | -35.767            | -12.700         |
| -131.000                  | -28.603            | -12.700         |
| -130.000                  | -23.641            | -12.700         |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -129.000                  | -21.432            | -12.700         |
| -128.000                  | -23.853            | -12.700         |
| -127.000                  | -24.319            | -12.700         |
| -126.000                  | -23.517            | -12.700         |
| -125.000                  | -34.207            | -12.700         |
| -124.000                  | -32.014            | -12.700         |
| -123.000                  | -39.476            | -12.700         |
| -122.000                  | -37.092            | -12.700         |
| -121.000                  | -35.805            | -12.700         |
| -120.000                  | -40.972            | -12.700         |
| -119.000                  | -28.636            | -12.700         |
| -118.000                  | -37.735            | -12.700         |
| -117.000                  | -31.263            | -12.700         |
| -116.000                  | -32.252            | -12.700         |
| -115.000                  | -36.030            | -12.700         |
| -114.000                  | -30.344            | -12.700         |
| -113.000                  | -47.824            | -12.700         |
| -112.000                  | -29.551            | -12.700         |
| -111.000                  | -47.655            | -12.700         |
| -110.000                  | -31.040            | -12.700         |
| -109.000                  | -44.877            | -12.700         |
| -108.000                  | -29.028            | -12.700         |
| -107.000                  | -37.920            | -12.700         |
| -106.000                  | -30.898            | -12.700         |
| -105.000                  | -31.264            | -12.700         |
| -104.000                  | -39.949            | -12.700         |
| -103.000                  | -29.746            | -12.700         |
| -102.000                  | -35.404            | -12.700         |
| -101.000                  | -37.603            | -12.700         |
| -100.000                  | -32.503            | -12.700         |
| -99.000                   | -41.643            | -12.700         |
| -98.000                   | -33.233            | -12.700         |
| -97.000                   | -28.454            | -12.700         |
| -96.000                   | -29.054            | -12.700         |
| -95.000                   | -33.625            | -12.700         |
| -94.000                   | -37.690            | -12.700         |
| -93.000                   | -34.124            | -12.700         |
| -92.000                   | -33.034            | -12.700         |
| -91.000                   | -34.562            | -12.700         |
| -90.000                   | -42.045            | -12.700         |
| -89.000                   | -52.998            | -12.700         |
| -88.000                   | -47.286            | -12.700         |
| -87.000                   | -44.328            | -12.700         |
| -86.000                   | -43.422            | -12.700         |
| -85.000                   | -44.075            | -12.700         |
| -84.000                   | -46.966            | -12.700         |
| -83.000                   | -48.696            | -12.700         |
| -82.000                   | -41.605            | -12.700         |
| -81.000                   | -36.541            | -12.700         |
| -80.000                   | -33.817            | -12.700         |
| -79.000                   | -33.188            | -12.700         |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -78.000                   | -34.945            | -12.700         |
| -77.000                   | -38.312            | -12.700         |
| -76.000                   | -35.775            | -12.700         |
| -75.000                   | -33.701            | -12.700         |
| -74.000                   | -37.594            | -12.700         |
| -73.000                   | -40.999            | -12.700         |
| -72.000                   | -31.452            | -12.700         |
| -71.000                   | -31.175            | -12.700         |
| -70.000                   | -38.247            | -12.700         |
| -69.000                   | -31.735            | -12.700         |
| -68.000                   | -31.820            | -12.700         |
| -67.000                   | -45.589            | -12.700         |
| -66.000                   | -31.979            | -12.700         |
| -65.000                   | -38.120            | -12.700         |
| -64.000                   | -36.728            | -12.700         |
| -63.000                   | -39.405            | -12.700         |
| -62.000                   | -33.588            | -12.700         |
| -61.000                   | -29.798            | -12.700         |
| -60.000                   | -36.603            | -12.700         |
| -59.000                   | -32.718            | -12.700         |
| -58.000                   | -33.183            | -12.700         |
| -57.000                   | -29.647            | -12.700         |
| -56.000                   | -30.319            | -12.700         |
| -55.000                   | -30.681            | -12.700         |
| -54.000                   | -35.092            | -12.700         |
| -53.000                   | -24.461            | -12.700         |
| -52.000                   | -23.602            | -12.700         |
| -51.000                   | -22.071            | -12.700         |
| -50.000                   | -28.120            | -12.700         |
| -49.000                   | -24.540            | -12.700         |
| -48.000                   | -21.132            | -12.731         |
| -47.000                   | -21.627            | -12.502         |
| -46.000                   | -23.441            | -12.269         |
| -45.000                   | -25.484            | -12.030         |
| -44.000                   | -23.627            | -11.786         |
| -43.000                   | -19.950            | -11.537         |
| -42.000                   | -17.695            | -11.281         |
| -41.000                   | -13.510            | -11.020         |
| -40.000                   | -12.882            | -10.751         |
| -39.000                   | -14.343            | -10.477         |
| -38.000                   | -12.520            | -10.195         |
| -37.000                   | -12.004            | -9.905          |
| -36.000                   | -12.401            | -9.608          |
| -35.000                   | -12.101            | -9.302          |
| -34.000                   | -12.408            | -8.987          |
| -33.000                   | -13.008            | -8.663          |
| -32.000                   | -14.516            | -8.329          |
| -31.000                   | -15.743            | -7.984          |
| -30.000                   | -17.700            | -7.628          |
| -29.000                   | -24.014            | -7.260          |
| -28.000                   | -17.796            | -6.879          |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -27.000                   | -12.839            | -6.484          |
| -26.000                   | -16.435            | -6.074          |
| -25.000                   | -33.101            | -5.649          |
| -24.000                   | -15.866            | -5.205          |
| -23.000                   | -14.459            | -4.743          |
| -22.000                   | -23.392            | -4.261          |
| -21.000                   | -20.770            | -3.755          |
| -20.000                   | -22.323            | -3.226          |
| -19.000                   | -21.024            | -2.669          |
| -18.000                   | -14.979            | -2.082          |
| -17.000                   | -14.790            | -1.461          |
| -16.000                   | -14.667            | -0.803          |
| -15.000                   | -7.162             | -0.102          |
| -14.000                   | -14.980            | 0.647           |
| -13.000                   | -8.883             | 1.451           |
| -12.000                   | -4.772             | 2.320           |
| -11.000                   | -4.843             | 3.265           |
| -10.000                   | -2.075             | 4.300           |
| -9.000                    | -1.251             | 5.300           |
| -8.000                    | -13.807            | 5.300           |
| -7.000                    | 2.267              | 5.173           |
| -6.000                    | -2.360             | 6.846           |
| -5.000                    | -4.599             | 8.826           |
| -4.000                    | 4.155              | 11.249          |
| -3.000                    | 8.390              | 14.372          |
| -2.000                    | 16.342             | 18.774          |
| -1.000                    | 25.046             |                 |
| 0.000                     | 33.396             |                 |
| 1.000                     | 25.309             |                 |
| 2.000                     | 17.776             | 18.774          |
| 3.000                     | 8.816              | 14.372          |
| 4.000                     | 4.125              | 11.249          |
| 5.000                     | 2.842              | 8.826           |
| 6.000                     | -3.331             | 6.846           |
| 7.000                     | 0.964              | 5.173           |
| 8.000                     | -5.661             | 5.300           |
| 9.000                     | -2.260             | 5.300           |
| 10.000                    | 0.469              | 4.300           |
| 11.000                    | -2.599             | 3.265           |
| 12.000                    | -16.926            | 2.320           |
| 13.000                    | -9.568             | 1.451           |
| 14.000                    | -4.776             | 0.647           |
| 15.000                    | -23.098            | -0.102          |
| 16.000                    | -14.966            | -0.803          |
| 17.000                    | -18.549            | -1.461          |
| 18.000                    | -24.512            | -2.082          |
| 19.000                    | -14.780            | -2.669          |
| 20.000                    | -20.780            | -3.226          |
| 21.000                    | -12.741            | -3.755          |
| 22.000                    | -13.588            | -4.261          |
| 23.000                    | -16.061            | -4.743          |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 24.000                    | -17.128            | -5.205          |
| 25.000                    | -14.067            | -5.649          |
| 26.000                    | -11.797            | -6.074          |
| 27.000                    | -11.480            | -6.484          |
| 28.000                    | -14.868            | -6.879          |
| 29.000                    | -15.962            | -7.260          |
| 30.000                    | -14.620            | -7.628          |
| 31.000                    | -14.772            | -7.984          |
| 32.000                    | -12.722            | -8.329          |
| 33.000                    | -10.573            | -8.663          |
| 34.000                    | -11.466            | -8.987          |
| 35.000                    | -12.450            | -9.302          |
| 36.000                    | -11.837            | -9.608          |
| 37.000                    | -11.254            | -9.905          |
| 38.000                    | -13.425            | -10.195         |
| 39.000                    | -14.674            | -10.477         |
| 40.000                    | -13.323            | -10.751         |
| 41.000                    | -14.829            | -11.020         |
| 42.000                    | -19.281            | -11.281         |
| 43.000                    | -22.142            | -11.537         |
| 44.000                    | -22.548            | -11.786         |
| 45.000                    | -24.968            | -12.030         |
| 46.000                    | -35.404            | -12.269         |
| 47.000                    | -26.789            | -12.502         |
| 48.000                    | -20.809            | -12.731         |
| 49.000                    | -17.934            | -12.700         |
| 50.000                    | -16.058            | -12.700         |
| 51.000                    | -15.044            | -12.700         |
| 52.000                    | -15.966            | -12.700         |
| 53.000                    | -17.320            | -12.700         |
| 54.000                    | -18.217            | -12.700         |
| 55.000                    | -19.158            | -12.700         |
| 56.000                    | -20.404            | -12.700         |
| 57.000                    | -21.441            | -12.700         |
| 58.000                    | -22.735            | -12.700         |
| 59.000                    | -25.352            | -12.700         |
| 60.000                    | -26.823            | -12.700         |
| 61.000                    | -23.292            | -12.700         |
| 62.000                    | -21.590            | -12.700         |
| 63.000                    | -24.095            | -12.700         |
| 64.000                    | -23.780            | -12.700         |
| 65.000                    | -23.174            | -12.700         |
| 66.000                    | -24.767            | -12.700         |
| 67.000                    | -23.814            | -12.700         |
| 68.000                    | -23.669            | -12.700         |
| 69.000                    | -26.253            | -12.700         |
| 70.000                    | -28.636            | -12.700         |
| 71.000                    | -27.702            | -12.700         |
| 72.000                    | -28.381            | -12.700         |
| 73.000                    | -30.373            | -12.700         |
| 74.000                    | -27.836            | -12.700         |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 75.000                    | -26.878            | -12.700         |
| 76.000                    | -27.324            | -12.700         |
| 77.000                    | -28.483            | -12.700         |
| 78.000                    | -29.375            | -12.700         |
| 79.000                    | -29.995            | -12.700         |
| 80.000                    | -30.616            | -12.700         |
| 81.000                    | -31.132            | -12.700         |
| 82.000                    | -31.384            | -12.700         |
| 83.000                    | -31.606            | -12.700         |
| 84.000                    | -32.080            | -12.700         |
| 85.000                    | -32.996            | -12.700         |
| 86.000                    | -34.425            | -12.700         |
| 87.000                    | -36.512            | -12.700         |
| 88.000                    | -39.921            | -12.700         |
| 89.000                    | -45.769            | -12.700         |
| 90.000                    | -49.130            | -12.700         |
| 91.000                    | -41.958            | -12.700         |
| 92.000                    | -39.583            | -12.700         |
| 93.000                    | -38.864            | -12.700         |
| 94.000                    | -39.518            | -12.700         |
| 95.000                    | -41.284            | -12.700         |
| 96.000                    | -45.384            | -12.700         |
| 97.000                    | -51.694            | -12.700         |
| 98.000                    | -54.384            | -12.700         |
| 99.000                    | -49.938            | -12.700         |
| 100.000                   | -43.694            | -12.700         |
| 101.000                   | -40.646            | -12.700         |
| 102.000                   | -39.203            | -12.700         |
| 103.000                   | -38.914            | -12.700         |
| 104.000                   | -40.115            | -12.700         |
| 105.000                   | -42.652            | -12.700         |
| 106.000                   | -40.544            | -12.700         |
| 107.000                   | -35.513            | -12.700         |
| 108.000                   | -32.607            | -12.700         |
| 109.000                   | -32.190            | -12.700         |
| 110.000                   | -34.810            | -12.700         |
| 111.000                   | -38.830            | -12.700         |
| 112.000                   | -34.818            | -12.700         |
| 113.000                   | -34.496            | -12.700         |
| 114.000                   | -49.690            | -12.700         |
| 115.000                   | -33.182            | -12.700         |
| 116.000                   | -29.143            | -12.700         |
| 117.000                   | -33.892            | -12.700         |
| 118.000                   | -36.581            | -12.700         |
| 119.000                   | -29.604            | -12.700         |
| 120.000                   | -35.284            | -12.700         |
| 121.000                   | -35.282            | -12.700         |
| 122.000                   | -33.883            | -12.700         |
| 123.000                   | -37.854            | -12.700         |
| 124.000                   | -35.228            | -12.700         |
| 125.000                   | -34.243            | -12.700         |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 126.000                   | -33.996            | -12.700         |
| 127.000                   | -36.581            | -12.700         |
| 128.000                   | -35.476            | -12.700         |
| 129.000                   | -33.452            | -12.700         |
| 130.000                   | -38.761            | -12.700         |
| 131.000                   | -34.042            | -12.700         |
| 132.000                   | -43.540            | -12.700         |
| 133.000                   | -32.695            | -12.700         |
| 134.000                   | -35.401            | -12.700         |
| 135.000                   | -38.391            | -12.700         |
| 136.000                   | -33.222            | -12.700         |
| 137.000                   | -32.918            | -12.700         |
| 138.000                   | -37.663            | -12.700         |
| 139.000                   | -29.819            | -12.700         |
| 140.000                   | -32.135            | -12.700         |
| 141.000                   | -31.633            | -12.700         |
| 142.000                   | -28.279            | -12.700         |
| 143.000                   | -29.449            | -12.700         |
| 144.000                   | -34.113            | -12.700         |
| 145.000                   | -27.068            | -12.700         |
| 146.000                   | -29.520            | -12.700         |
| 147.000                   | -26.443            | -12.700         |
| 148.000                   | -23.700            | -12.700         |
| 149.000                   | -24.460            | -12.700         |
| 150.000                   | -25.417            | -12.700         |
| 151.000                   | -29.948            | -12.700         |
| 152.000                   | -39.877            | -12.700         |
| 153.000                   | -30.990            | -12.700         |
| 154.000                   | -24.775            | -12.700         |
| 155.000                   | -22.838            | -12.700         |
| 156.000                   | -26.681            | -12.700         |
| 157.000                   | -56.353            | -12.700         |
| 158.000                   | -38.272            | -12.700         |
| 159.000                   | -38.598            | -12.700         |
| 160.000                   | -33.114            | -12.700         |
| 161.000                   | -32.741            | -12.700         |
| 162.000                   | -32.084            | -12.700         |
| 163.000                   | -84.148            | -12.700         |
| 164.000                   | -35.117            | -12.700         |
| 165.000                   | -36.611            | -12.700         |
| 166.000                   | -29.033            | -12.700         |
| 167.000                   | -25.938            | -12.700         |
| 168.000                   | -27.148            | -12.700         |
| 169.000                   | -24.830            | -12.700         |
| 170.000                   | -31.565            | -12.700         |
| 171.000                   | -42.906            | -12.700         |
| 172.000                   | -38.051            | -12.700         |
| 173.000                   | -39.575            | -12.700         |
| 174.000                   | -39.425            | -12.700         |
| 175.000                   | -33.731            | -12.700         |
| 176.000                   | -35.306            | -12.700         |
| 177.000                   | -38.920            | -12.700         |
| 178.000                   | -38.334            | -12.700         |
| 179.000                   | -27.369            | -12.700         |
| 180.000                   | -31.244            | -12.700         |

## 2.3. Azimuth Pattern for Cross-pol (-7°~7°)

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -7.000                    | -7.133             | -4.827          |
| -6.900                    | -5.910             | -4.671          |
| -6.800                    | -5.176             | -4.513          |
| -6.700                    | -4.853             | -4.352          |
| -6.600                    | -4.898             | -4.189          |
| -6.500                    | -5.290             | -4.023          |
| -6.400                    | -6.013             | -3.854          |
| -6.300                    | -7.030             | -3.684          |
| -6.200                    | -8.226             | -3.510          |
| -6.100                    | -9.306             | -3.333          |
| -6.000                    | -9.780             | -3.154          |
| -5.900                    | -9.372             | -2.971          |
| -5.800                    | -8.391             | -2.786          |
| -5.700                    | -7.317             | -2.597          |
| -5.600                    | -6.429             | -2.405          |
| -5.500                    | -5.831             | -2.209          |
| -5.400                    | -5.549             | -2.010          |
| -5.300                    | -5.587             | -1.807          |
| -5.200                    | -5.946             | -1.600          |
| -5.100                    | -6.622             | -1.389          |
| -5.000                    | -7.607             | -1.174          |
| -4.900                    | -8.870             | -0.955          |
| -4.800                    | -10.315            | -0.731          |
| -4.700                    | -11.738            | -0.502          |
| -4.600                    | -12.853            | -0.269          |
| -4.500                    | -13.534            | -0.030          |
| -4.400                    | -14.027            | 0.214           |
| -4.300                    | -14.820            | 0.463           |
| -4.200                    | -16.495            | 0.719           |
| -4.100                    | -20.051            | 0.980           |
| -4.000                    | -27.271            | 1.249           |
| -3.900                    | -20.745            | 1.523           |
| -3.800                    | -13.899            | 1.805           |
| -3.700                    | -9.665             | 2.095           |
| -3.600                    | -6.694             | 2.392           |
| -3.500                    | -4.500             | 2.698           |
| -3.400                    | -2.861             | 3.013           |
| -3.300                    | -1.663             | 3.337           |
| -3.200                    | -0.842             | 3.671           |
| -3.100                    | -0.362             | 4.016           |
| -3.000                    | -0.201             | 4.372           |
| -2.900                    | -0.348             | 4.740           |
| -2.800                    | -0.790             | 5.121           |
| -2.700                    | -1.487             | 5.516           |
| -2.600                    | -2.334             | 5.926           |
| -2.500                    | -3.075             | 6.351           |
| -2.400                    | -3.314             | 6.795           |
| -2.300                    | -2.804             | 7.257           |
| -2.200                    | -1.752             | 7.739           |
| -2.100                    | -0.562             | 8.245           |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -2.000                    | 0.490              | 8.774           |
| -1.900                    | 1.283              | 9.331           |
| -1.800                    | 1.769              | 9.918           |
| -1.700                    | 1.925              |                 |
| -1.600                    | 1.729              |                 |
| -1.500                    | 1.147              |                 |
| -1.400                    | 0.133              |                 |
| -1.300                    | -1.354             |                 |
| -1.200                    | -3.222             |                 |
| -1.100                    | -5.716             |                 |
| -1.000                    | -5.209             |                 |
| -0.900                    | -2.924             |                 |
| -0.800                    | -0.451             |                 |
| -0.700                    | 1.633              |                 |
| -0.600                    | 3.283              |                 |
| -0.500                    | 4.563              |                 |
| -0.400                    | 5.531              |                 |
| -0.300                    | 6.233              |                 |
| -0.200                    | 6.703              |                 |
| -0.100                    | 6.978              |                 |
| 0.000                     | 7.072              |                 |
| 0.100                     | 7.019              |                 |
| 0.200                     | 6.845              |                 |
| 0.300                     | 6.587              |                 |
| 0.400                     | 6.289              |                 |
| 0.500                     | 6.010              |                 |
| 0.600                     | 5.810              |                 |
| 0.700                     | 5.736              |                 |
| 0.800                     | 5.808              |                 |
| 0.900                     | 6.009              |                 |
| 1.000                     | 6.296              |                 |
| 1.100                     | 6.617              |                 |
| 1.200                     | 6.925              |                 |
| 1.300                     | 7.184              |                 |
| 1.400                     | 7.370              |                 |
| 1.500                     | 7.468              |                 |
| 1.600                     | 7.468              |                 |
| 1.700                     | 7.364              |                 |
| 1.800                     | 7.147              | 9.918           |
| 1.900                     | 6.810              | 9.331           |
| 2.000                     | 6.342              | 8.774           |
| 2.100                     | 5.729              | 8.245           |
| 2.200                     | 4.950              | 7.739           |
| 2.300                     | 3.978              | 7.257           |
| 2.400                     | 2.783              | 6.795           |
| 2.500                     | 1.339              | 6.351           |
| 2.600                     | -0.339             | 5.926           |
| 2.700                     | -2.075             | 5.516           |
| 2.800                     | -3.811             | 5.121           |
| 2.900                     | -5.547             | 4.740           |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 3.000                     | -6.501             | 4.372           |
| 3.100                     | -4.903             | 4.016           |
| 3.200                     | -3.446             | 3.671           |
| 3.300                     | -2.275             | 3.337           |
| 3.400                     | -1.408             | 3.013           |
| 3.500                     | -0.831             | 2.698           |
| 3.600                     | -0.527             | 2.392           |
| 3.700                     | -0.489             | 2.095           |
| 3.800                     | -0.719             | 1.805           |
| 3.900                     | -1.228             | 1.523           |
| 4.000                     | -2.044             | 1.249           |
| 4.100                     | -3.216             | 0.980           |
| 4.200                     | -4.828             | 0.719           |
| 4.300                     | -7.029             | 0.463           |
| 4.400                     | -10.105            | 0.214           |
| 4.500                     | -14.596            | -0.030          |
| 4.600                     | -17.803            | -0.269          |
| 4.700                     | -16.043            | -0.502          |
| 4.800                     | -11.770            | -0.731          |
| 4.900                     | -9.111             | -0.955          |
| 5.000                     | -7.497             | -1.174          |
| 5.100                     | -6.590             | -1.389          |
| 5.200                     | -6.225             | -1.600          |
| 5.300                     | -6.331             | -1.807          |
| 5.400                     | -6.889             | -2.010          |
| 5.500                     | -7.929             | -2.209          |
| 5.600                     | -9.543             | -2.405          |
| 5.700                     | -11.929            | -2.597          |
| 5.800                     | -15.497            | -2.786          |
| 5.900                     | -20.765            | -2.971          |
| 6.000                     | -22.005            | -3.154          |
| 6.100                     | -16.938            | -3.333          |
| 6.200                     | -13.386            | -3.510          |
| 6.300                     | -11.116            | -3.684          |
| 6.400                     | -9.641             | -3.854          |
| 6.500                     | -8.715             | -4.023          |
| 6.600                     | -8.204             | -4.189          |
| 6.700                     | -8.031             | -4.352          |
| 6.800                     | -8.150             | -4.513          |
| 6.900                     | -8.531             | -4.671          |
| 7.000                     | -9.154             | -4.827          |

## 2.4. Elevation Pattern for Co pol (0°~30°)

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 0.000                     | 33.396             |                 |
| 0.100                     | 33.340             |                 |
| 0.200                     | 33.172             |                 |
| 0.300                     | 32.889             |                 |
| 0.400                     | 32.487             |                 |
| 0.500                     | 31.960             |                 |
| 0.600                     | 31.300             |                 |
| 0.700                     | 30.500             |                 |
| 0.800                     | 29.545             |                 |
| 0.900                     | 28.421             |                 |
| 1.000                     | 27.106             |                 |
| 1.100                     | 25.571             |                 |
| 1.200                     | 23.777             |                 |
| 1.300                     | 21.672             |                 |
| 1.400                     | 19.188             |                 |
| 1.500                     | 16.253             |                 |
| 1.600                     | 12.915             |                 |
| 1.700                     | 9.866              |                 |
| 1.800                     | 8.846              |                 |
| 1.900                     | 9.735              |                 |
| 2.000                     | 10.777             |                 |
| 2.100                     | 11.309             |                 |
| 2.200                     | 11.251             |                 |
| 2.300                     | 10.605             |                 |
| 2.400                     | 9.344              |                 |
| 2.500                     | 7.393              |                 |
| 2.600                     | 4.732              |                 |
| 2.700                     | 2.141              |                 |
| 2.800                     | 2.388              |                 |
| 2.900                     | 5.006              |                 |
| 3.000                     | 7.451              | 17.372          |
| 3.100                     | 9.222              | 17.016          |
| 3.200                     | 10.402             | 16.671          |
| 3.300                     | 11.096             | 16.337          |
| 3.400                     | 11.373             | 16.013          |
| 3.500                     | 11.270             | 15.698          |
| 3.600                     | 10.796             | 15.392          |
| 3.700                     | 9.931              | 15.095          |
| 3.800                     | 8.631              | 14.805          |
| 3.900                     | 6.805              | 14.523          |
| 4.000                     | 4.318              | 14.249          |
| 4.100                     | 1.092              | 13.980          |
| 4.200                     | -1.868             | 13.719          |
| 4.300                     | -1.204             | 13.463          |
| 4.400                     | 1.604              | 13.214          |
| 4.500                     | 3.941              | 12.970          |
| 4.600                     | 5.549              | 12.731          |
| 4.700                     | 6.570              | 12.498          |
| 4.800                     | 7.125              | 12.269          |
| 4.900                     | 7.288              | 12.045          |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 5.000                     | 7.100              | 11.826          |
| 5.100                     | 6.579              | 11.611          |
| 5.200                     | 5.722              | 11.400          |
| 5.300                     | 4.502              | 11.193          |
| 5.400                     | 2.862              | 10.990          |
| 5.500                     | 0.690              | 10.791          |
| 5.600                     | -2.247             | 10.595          |
| 5.700                     | -6.513             | 10.403          |
| 5.800                     | -14.163            | 10.214          |
| 5.900                     | -24.506            | 10.029          |
| 6.000                     | -11.509            | 9.846           |
| 6.100                     | -7.172             | 9.667           |
| 6.200                     | -4.858             | 9.490           |
| 6.300                     | -3.500             | 9.316           |
| 6.400                     | -2.724             | 9.146           |
| 6.500                     | -2.356             | 8.977           |
| 6.600                     | -2.306             | 8.811           |
| 6.700                     | -2.528             | 8.648           |
| 6.800                     | -3.004             | 8.487           |
| 6.900                     | -3.733             | 8.329           |
| 7.000                     | -4.718             | 8.173           |
| 7.100                     | -5.949             | 8.019           |
| 7.200                     | -7.336             | 7.867           |
| 7.300                     | -8.581             | 7.717           |
| 7.400                     | -9.092             | 7.569           |
| 7.500                     | -8.471             | 7.423           |
| 7.600                     | -7.091             | 7.280           |
| 7.700                     | -5.539             | 7.138           |
| 7.800                     | -4.111             | 6.998           |
| 7.900                     | -2.887             | 6.859           |
| 8.000                     | -1.865             | 6.723           |
| 8.100                     | -1.019             | 6.588           |
| 8.200                     | -0.327             | 6.455           |
| 8.300                     | 0.228              | 6.323           |
| 8.400                     | 0.655              | 6.193           |
| 8.500                     | 0.950              | 6.065           |
| 8.600                     | 1.104              | 5.938           |
| 8.700                     | 1.102              | 5.812           |
| 8.800                     | 0.923              | 5.688           |
| 8.900                     | 0.541              | 5.565           |
| 9.000                     | -0.076             | 5.444           |
| 9.100                     | -0.958             | 5.324           |
| 9.200                     | -2.130             | 5.205           |
| 9.300                     | -3.575             | 5.088           |
| 9.400                     | -5.123             | 4.972           |
| 9.500                     | -6.246             | 4.857           |
| 9.600                     | -6.212             | 4.743           |
| 9.700                     | -5.076             | 4.631           |
| 9.800                     | -3.596             | 4.519           |
| 9.900                     | -2.274             | 4.409           |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 10.000                    | -1.275             | 4.300           |
| 10.100                    | -0.626             | 4.192           |
| 10.200                    | -0.325             | 4.085           |
| 10.300                    | -0.366             | 3.979           |
| 10.400                    | -0.756             | 3.874           |
| 10.500                    | -1.516             | 3.770           |
| 10.600                    | -2.672             | 3.667           |
| 10.700                    | -4.244             | 3.565           |
| 10.800                    | -6.135             | 3.464           |
| 10.900                    | -7.810             | 3.364           |
| 11.000                    | -8.092             | 3.265           |
| 11.100                    | -6.742             | 3.167           |
| 11.200                    | -4.919             | 3.070           |
| 11.300                    | -3.335             | 2.973           |
| 11.400                    | -2.145             | 2.877           |
| 11.500                    | -1.341             | 2.783           |
| 11.600                    | -0.887             | 2.689           |
| 11.700                    | -0.751             | 2.595           |
| 11.800                    | -0.914             | 2.503           |
| 11.900                    | -1.368             | 2.411           |
| 12.000                    | -2.108             | 2.320           |
| 12.100                    | -3.137             | 2.230           |
| 12.200                    | -4.440             | 2.141           |
| 12.300                    | -5.956             | 2.052           |
| 12.400                    | -7.478             | 1.964           |
| 12.500                    | -8.556             | 1.877           |
| 12.600                    | -8.709             | 1.791           |
| 12.700                    | -8.007             | 1.705           |
| 12.800                    | -6.971             | 1.620           |
| 12.900                    | -5.990             | 1.535           |
| 13.000                    | -5.222             | 1.451           |
| 13.100                    | -4.711             | 1.368           |
| 13.200                    | -4.459             | 1.286           |
| 13.300                    | -4.465             | 1.204           |
| 13.400                    | -4.732             | 1.122           |
| 13.500                    | -5.272             | 1.042           |
| 13.600                    | -6.112             | 0.962           |
| 13.700                    | -7.299             | 0.882           |
| 13.800                    | -8.913             | 0.803           |
| 13.900                    | -11.083            | 0.725           |
| 14.000                    | -14.012            | 0.647           |
| 14.100                    | -17.826            | 0.570           |
| 14.200                    | -20.744            | 0.493           |
| 14.300                    | -18.825            | 0.417           |
| 14.400                    | -15.804            | 0.341           |
| 14.500                    | -13.689            | 0.266           |
| 14.600                    | -12.396            | 0.191           |
| 14.700                    | -11.738            | 0.117           |
| 14.800                    | -11.602            | 0.043           |
| 14.900                    | -11.922            | -0.030          |

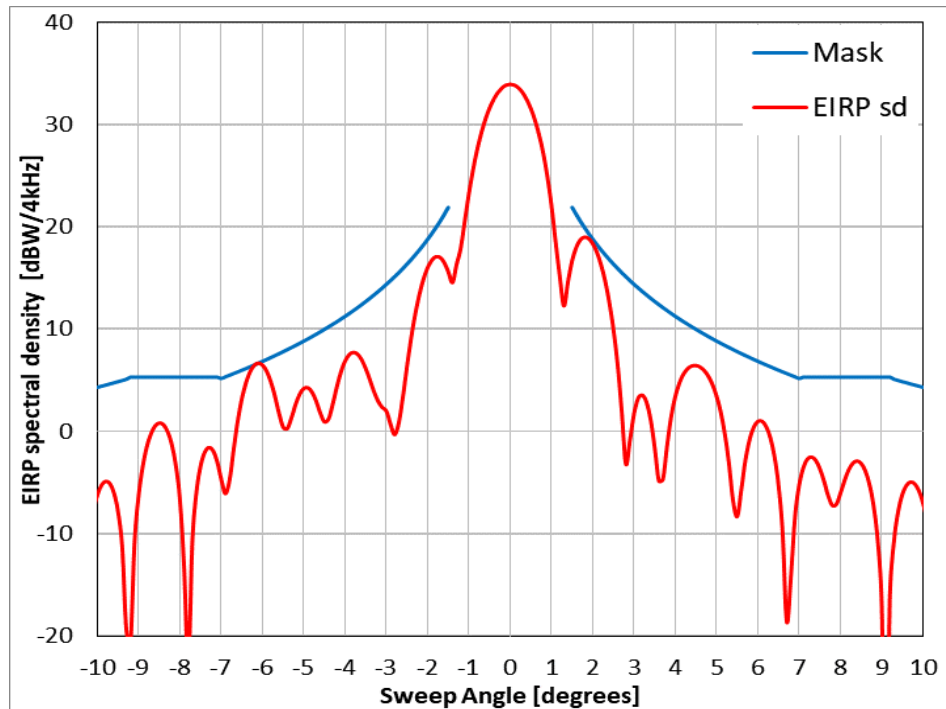
| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 15.000                    | -12.654            | -0.102          |
| 15.100                    | -13.738            | -0.174          |
| 15.200                    | -15.033            | -0.246          |
| 15.300                    | -16.222            | -0.317          |
| 15.400                    | -16.844            | -0.388          |
| 15.500                    | -16.731            | -0.458          |
| 15.600                    | -16.250            | -0.528          |
| 15.700                    | -15.877            | -0.597          |
| 15.800                    | -15.916            | -0.666          |
| 15.900                    | -16.564            | -0.735          |
| 16.000                    | -18.058            | -0.803          |
| 16.100                    | -20.878            | -0.871          |
| 16.200                    | -26.272            | -0.938          |
| 16.300                    | -29.986            | -1.005          |
| 16.400                    | -22.133            | -1.071          |
| 16.500                    | -17.390            | -1.137          |
| 16.600                    | -14.427            | -1.203          |
| 16.700                    | -12.465            | -1.268          |
| 16.800                    | -11.189            | -1.333          |
| 16.900                    | -10.456            | -1.397          |
| 17.000                    | -10.202            | -1.461          |
| 17.100                    | -10.414            | -1.525          |
| 17.200                    | -11.124            | -1.588          |
| 17.300                    | -12.412            | -1.651          |
| 17.400                    | -14.423            | -1.714          |
| 17.500                    | -17.297            | -1.776          |
| 17.600                    | -20.184            | -1.838          |
| 17.700                    | -19.241            | -1.899          |
| 17.800                    | -15.835            | -1.961          |
| 17.900                    | -13.015            | -2.021          |
| 18.000                    | -11.024            | -2.082          |
| 18.100                    | -9.688             | -2.142          |
| 18.200                    | -8.880             | -2.202          |
| 18.300                    | -8.529             | -2.261          |
| 18.400                    | -8.607             | -2.320          |
| 18.500                    | -9.118             | -2.379          |
| 18.600                    | -10.095            | -2.438          |
| 18.700                    | -11.594            | -2.496          |
| 18.800                    | -13.639            | -2.554          |
| 18.900                    | -15.902            | -2.612          |
| 19.000                    | -16.864            | -2.669          |
| 19.100                    | -15.345            | -2.726          |
| 19.200                    | -13.030            | -2.783          |
| 19.300                    | -11.087            | -2.839          |
| 19.400                    | -9.692             | -2.895          |
| 19.500                    | -8.799             | -2.951          |
| 19.600                    | -8.352             | -3.006          |
| 19.700                    | -8.322             | -3.062          |
| 19.800                    | -8.706             | -3.117          |
| 19.900                    | -9.534             | -3.171          |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 20.000                    | -10.877            | -3.226          |
| 20.100                    | -12.887            | -3.280          |
| 20.200                    | -15.880            | -3.334          |
| 20.300                    | -20.592            | -3.387          |
| 20.400                    | -27.276            | -3.441          |
| 20.500                    | -23.328            | -3.494          |
| 20.600                    | -18.394            | -3.547          |
| 20.700                    | -15.591            | -3.599          |
| 20.800                    | -13.973            | -3.652          |
| 20.900                    | -13.132            | -3.704          |
| 21.000                    | -12.889            | -3.755          |
| 21.100                    | -13.167            | -3.807          |
| 21.200                    | -13.949            | -3.858          |
| 21.300                    | -15.263            | -3.909          |
| 21.400                    | -17.170            | -3.960          |
| 21.500                    | -19.706            | -4.011          |
| 21.600                    | -22.472            | -4.061          |
| 21.700                    | -23.568            | -4.111          |
| 21.800                    | -21.988            | -4.161          |
| 21.900                    | -19.896            | -4.211          |
| 22.000                    | -18.318            | -4.261          |
| 22.100                    | -17.316            | -4.310          |
| 22.200                    | -16.793            | -4.359          |
| 22.300                    | -16.649            | -4.408          |
| 22.400                    | -16.795            | -4.456          |
| 22.500                    | -17.143            | -4.505          |
| 22.600                    | -17.597            | -4.553          |
| 22.700                    | -18.069            | -4.601          |
| 22.800                    | -18.504            | -4.648          |
| 22.900                    | -18.908            | -4.696          |
| 23.000                    | -19.351            | -4.743          |
| 23.100                    | -19.937            | -4.790          |
| 23.200                    | -20.769            | -4.837          |
| 23.300                    | -21.915            | -4.884          |
| 23.400                    | -23.304            | -4.930          |
| 23.500                    | -24.451            | -4.977          |
| 23.600                    | -24.364            | -5.023          |
| 23.700                    | -22.832            | -5.069          |
| 23.800                    | -20.832            | -5.114          |
| 23.900                    | -19.041            | -5.160          |
| 24.000                    | -17.644            | -5.205          |
| 24.100                    | -16.656            | -5.250          |
| 24.200                    | -16.059            | -5.295          |
| 24.300                    | -15.842            | -5.340          |
| 24.400                    | -16.009            | -5.385          |
| 24.500                    | -16.587            | -5.429          |
| 24.600                    | -17.624            | -5.473          |
| 24.700                    | -19.177            | -5.517          |
| 24.800                    | -21.204            | -5.561          |
| 24.900                    | -23.042            | -5.605          |

| 5.85 GHz @ -6.30 dBW/4kHz |                    |                 |
|---------------------------|--------------------|-----------------|
| Angle (Degree)            | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 25.000                    | -22.855            | -5.649          |
| 25.100                    | -20.609            | -5.692          |
| 25.200                    | -18.144            | -5.735          |
| 25.300                    | -16.142            | -5.778          |
| 25.400                    | -14.645            | -5.821          |
| 25.500                    | -13.591            | -5.864          |
| 25.600                    | -12.925            | -5.906          |
| 25.700                    | -12.617            | -5.948          |
| 25.800                    | -12.651            | -5.990          |
| 25.900                    | -13.037            | -6.032          |
| 26.000                    | -13.802            | -6.074          |
| 26.100                    | -15.006            | -6.116          |
| 26.200                    | -16.752            | -6.158          |
| 26.300                    | -19.217            | -6.199          |
| 26.400                    | -22.631            | -6.240          |
| 26.500                    | -26.396            | -6.281          |
| 26.600                    | -26.044            | -6.322          |
| 26.700                    | -22.712            | -6.363          |
| 26.800                    | -20.121            | -6.403          |
| 26.900                    | -18.469            | -6.444          |
| 27.000                    | -17.539            | -6.484          |
| 27.100                    | -17.193            | -6.524          |
| 27.200                    | -17.361            | -6.564          |
| 27.300                    | -18.016            | -6.604          |
| 27.400                    | -19.140            | -6.644          |
| 27.500                    | -20.658            | -6.683          |
| 27.600                    | -22.228            | -6.723          |
| 27.700                    | -22.975            | -6.762          |
| 27.800                    | -22.257            | -6.801          |
| 27.900                    | -20.762            | -6.840          |
| 28.000                    | -19.342            | -6.879          |
| 28.100                    | -18.316            | -6.918          |
| 28.200                    | -17.750            | -6.956          |
| 28.300                    | -17.655            | -6.995          |
| 28.400                    | -18.056            | -7.033          |
| 28.500                    | -19.021            | -7.071          |
| 28.600                    | -20.707            | -7.109          |
| 28.700                    | -23.487            | -7.147          |
| 28.800                    | -28.470            | -7.185          |
| 28.900                    | -41.588            | -7.222          |
| 29.000                    | -30.967            | -7.260          |
| 29.100                    | -24.496            | -7.297          |
| 29.200                    | -21.056            | -7.335          |
| 29.300                    | -18.898            | -7.372          |
| 29.400                    | -17.501            | -7.409          |
| 29.500                    | -16.644            | -7.446          |
| 29.600                    | -16.220            | -7.482          |
| 29.700                    | -16.173            | -7.519          |
| 29.800                    | -16.482            | -7.555          |
| 29.900                    | -17.152            | -7.592          |
| 30.000                    | -18.215            | -7.628          |

### 3. EIRP Spectral Density of v240MT C-band 6.425 GHz

#### 3.1. Azimuth Pattern for Co-pol, Narrow Angle (-10° ~ 10°)



-6.67 dBW/ 4kHz Input power spectral density @ f=6.425 GHz & 0.4 dB Radome

#### ▪ FCC EIRP spectral density regulation

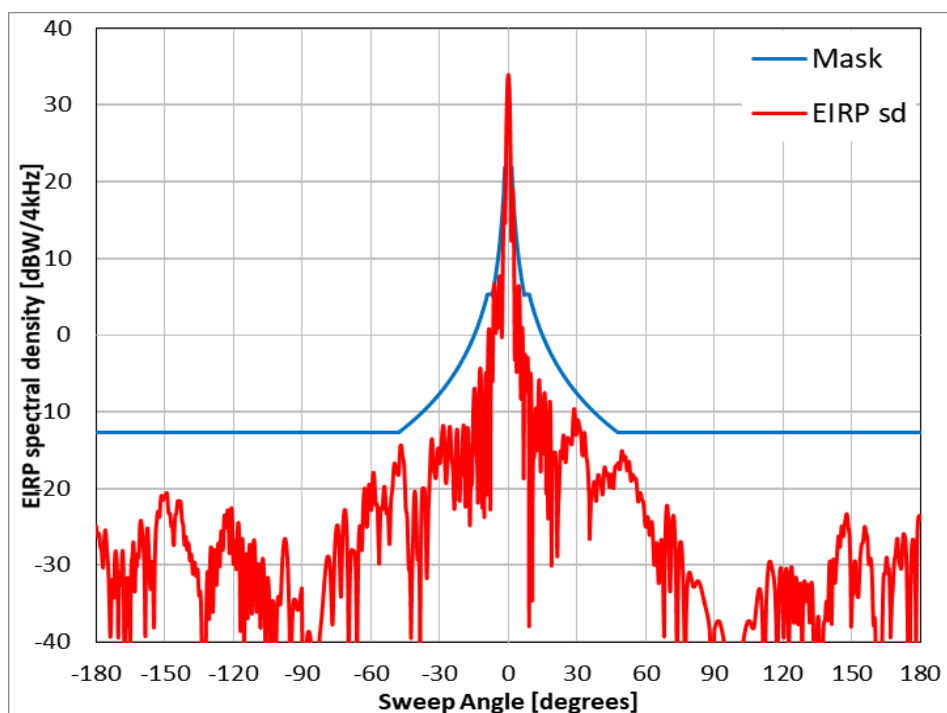
|                        |          |     |                                            |
|------------------------|----------|-----|--------------------------------------------|
| 26.3-25log( $\theta$ ) | dBW/4kHz | for | $1.5^{\circ} \leq \theta \leq 7.0^{\circ}$ |
| 5.3                    | dBW/4kHz | for | $7.0^{\circ} < \theta \leq 9.2^{\circ}$    |
| 29.3-25log( $\theta$ ) | dBW/4kHz | for | $9.2^{\circ} < \theta \leq 48^{\circ}$     |
| -12.7                  | dBW/4kHz | for | $48^{\circ} < \theta \leq 180^{\circ}$     |

The v240MT's C band(6.425 GHz) Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.67 dBW/ 4kHz

Note

The EIRP spectral density pattern above is measured in Circular Polarization

### 3.2. Azimuth Pattern for Co-pol, Wide Angle (-180°~180°)



-6.67 dBW/ 4kHz Input power spectral density @ f=6.425 GHz & 0.4 dB Radome

#### ▪ FCC EIRP spectral density regulation

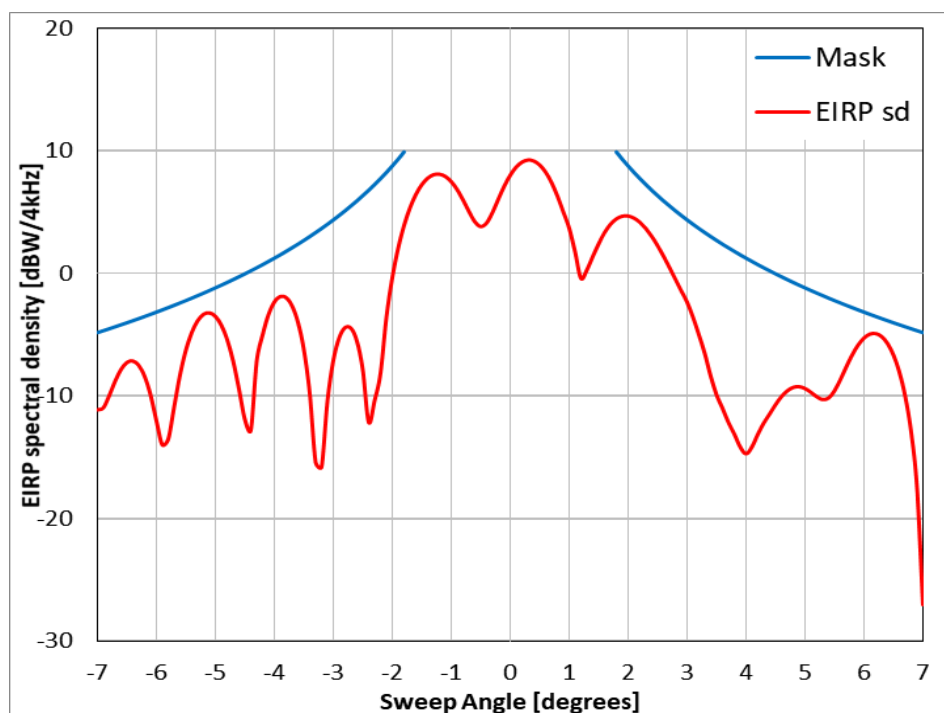
|                        |          |     |                                        |
|------------------------|----------|-----|----------------------------------------|
| 26.3-25log( $\theta$ ) | dBW/4kHz | for | $1.5^\circ \leq \theta \leq 7.0^\circ$ |
| 5.3                    | dBW/4kHz | for | $7.0^\circ < \theta \leq 9.2^\circ$    |
| 29.3-25log( $\theta$ ) | dBW/4kHz | for | $9.2^\circ < \theta \leq 48^\circ$     |
| -12.7                  | dBW/4kHz | for | $48^\circ < \theta \leq 180^\circ$     |

The v240MT's C band(6.425 GHz) Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.67 dBW/ 4kHz

Note

The EIRP spectral density pattern above is measured in Circular Polarization

### 3.3. Azimuth Pattern for Cross-pol, Narrow angle (-7°~7°)



-6.67 dBW/ 4kHz Input power spectral density @ f=6.425 GHz & 0.4 dB Radome

#### ▪ FCC EIRP spectral density regulation

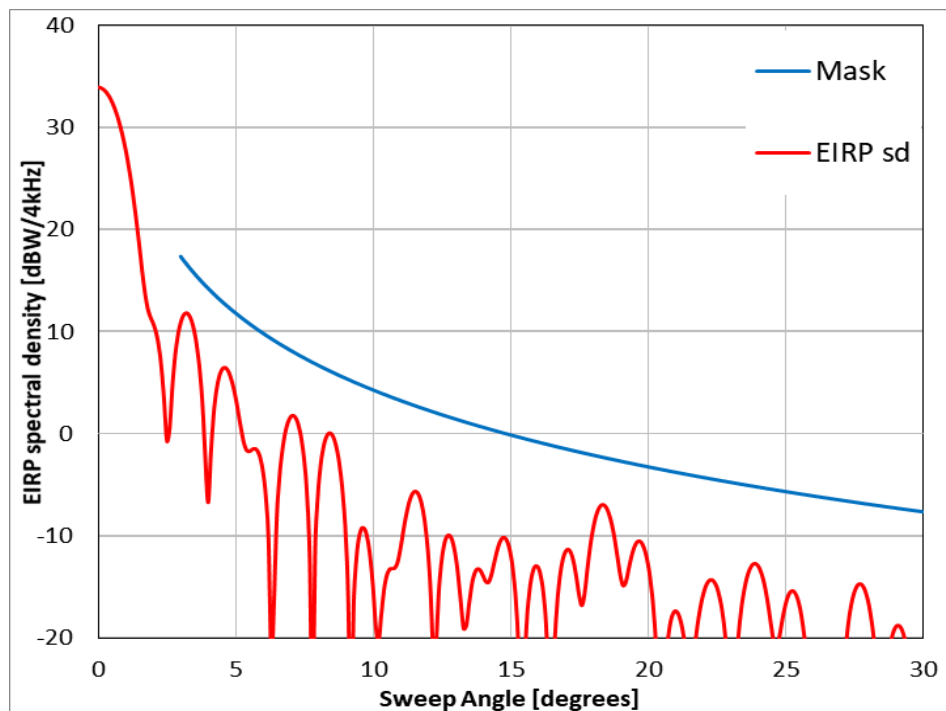
$$16.3-25\log(\theta) \quad \text{dBW/4kHz} \quad \text{for} \quad 1.8^\circ \leq \theta \leq 7.0^\circ$$

The v240MT's C band(6.425 GHz) Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.67 dBW/ 4kHz

Note

The EIRP spectral density pattern above is measured in Circular Polarization

### 3.4. Elevation Pattern for Co-pol, Narrow Angle (0°~30°)



-6.67 dBW/ 4kHz Input power spectral density @ f=6.425 GHz & 0.4 dB Radome

#### ▪ FCC EIRP spectral density regulation

|                        |          |     |                                       |
|------------------------|----------|-----|---------------------------------------|
| 29.3-25log( $\theta$ ) | dBW/4kHz | for | $3.0^\circ \leq \theta \leq 48^\circ$ |
| -12.7                  | dBW/4kHz | for | $48^\circ < \theta \leq 180^\circ$    |

The v240MT's C band(6.425 GHz) Radiation pattern meets the FCC EIRP spectral density mask when the input powers spectral density is @ -6.67 dBW/ 4kHz

Note

The EIRP spectral density pattern above is measured in Circular Polarization

## 4. C band EIRP Spectral Density Data 6.425 GHz

### 4.1. Azimuth Pattern for Co-pol (-10°~10°)

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -10.000                    | -6.193             | 4.300           |
| -9.900                     | -5.247             | 4.409           |
| -9.800                     | -4.888             | 4.519           |
| -9.700                     | -5.123             | 4.631           |
| -9.600                     | -6.046             | 4.743           |
| -9.500                     | -7.912             | 4.857           |
| -9.400                     | -11.409            | 4.972           |
| -9.300                     | -19.451            | 5.088           |
| -9.200                     | -20.700            | 5.300           |
| -9.100                     | -10.770            | 5.300           |
| -9.000                     | -6.186             | 5.300           |
| -8.900                     | -3.340             | 5.300           |
| -8.800                     | -1.440             | 5.300           |
| -8.700                     | -0.188             | 5.300           |
| -8.600                     | 0.546              | 5.300           |
| -8.500                     | 0.818              | 5.300           |
| -8.400                     | 0.635              | 5.300           |
| -8.300                     | -0.042             | 5.300           |
| -8.200                     | -1.314             | 5.300           |
| -8.100                     | -3.399             | 5.300           |
| -8.000                     | -6.830             | 5.300           |
| -7.900                     | -13.406            | 5.300           |
| -7.800                     | -22.784            | 5.300           |
| -7.700                     | -10.572            | 5.300           |
| -7.600                     | -5.855             | 5.300           |
| -7.500                     | -3.354             | 5.300           |
| -7.400                     | -2.037             | 5.300           |
| -7.300                     | -1.583             | 5.300           |
| -7.200                     | -1.896             | 5.300           |
| -7.100                     | -2.975             | 5.300           |
| -7.000                     | -4.719             | 5.173           |
| -6.900                     | -6.090             | 5.329           |
| -6.800                     | -4.773             | 5.487           |
| -6.700                     | -1.720             | 5.648           |
| -6.600                     | 1.078              | 5.811           |
| -6.500                     | 3.228              | 5.977           |
| -6.400                     | 4.790              | 6.146           |
| -6.300                     | 5.849              | 6.316           |
| -6.200                     | 6.464              | 6.490           |
| -6.100                     | 6.667              | 6.667           |
| -6.000                     | 6.467              | 6.846           |
| -5.900                     | 5.859              | 7.029           |
| -5.800                     | 4.831              | 7.214           |
| -5.700                     | 3.401              | 7.403           |
| -5.600                     | 1.731              | 7.595           |
| -5.500                     | 0.397              | 7.791           |
| -5.400                     | 0.278              | 7.990           |
| -5.300                     | 1.325              | 8.193           |
| -5.200                     | 2.634              | 8.400           |
| -5.100                     | 3.647              | 8.611           |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -5.000                     | 4.196              | 8.826           |
| -4.900                     | 4.251              | 9.045           |
| -4.800                     | 3.812              | 9.269           |
| -4.700                     | 2.921              | 9.498           |
| -4.600                     | 1.763              | 9.731           |
| -4.500                     | 0.914              | 9.970           |
| -4.400                     | 1.226              | 10.214          |
| -4.300                     | 2.662              | 10.463          |
| -4.200                     | 4.375              | 10.719          |
| -4.100                     | 5.833              | 10.980          |
| -4.000                     | 6.881              | 11.249          |
| -3.900                     | 7.505              | 11.523          |
| -3.800                     | 7.720              | 11.805          |
| -3.700                     | 7.542              | 12.095          |
| -3.600                     | 6.997              | 12.392          |
| -3.500                     | 6.124              | 12.698          |
| -3.400                     | 5.020              | 13.013          |
| -3.300                     | 3.869              | 13.337          |
| -3.200                     | 2.928              | 13.671          |
| -3.100                     | 2.338              | 14.016          |
| -3.000                     | 1.978              | 14.372          |
| -2.900                     | 0.677              | 14.740          |
| -2.800                     | -0.318             | 15.121          |
| -2.700                     | 0.842              | 15.516          |
| -2.600                     | 3.386              | 15.926          |
| -2.500                     | 6.390              | 16.351          |
| -2.400                     | 9.163              | 16.795          |
| -2.300                     | 11.509             | 17.257          |
| -2.200                     | 13.416             | 17.739          |
| -2.100                     | 14.909             | 18.245          |
| -2.000                     | 16.011             | 18.774          |
| -1.900                     | 16.733             | 19.331          |
| -1.800                     | 17.070             | 19.918          |
| -1.700                     | 17.002             | 20.539          |
| -1.600                     | 16.503             | 21.197          |
| -1.500                     | 15.594             | 21.898          |
| -1.400                     | 14.545             |                 |
| -1.300                     | 16.315             |                 |
| -1.200                     | 17.916             |                 |
| -1.100                     | 20.597             |                 |
| -1.000                     | 23.279             |                 |
| -0.900                     | 25.612             |                 |
| -0.800                     | 27.569             |                 |
| -0.700                     | 29.193             |                 |
| -0.600                     | 30.528             |                 |
| -0.500                     | 31.611             |                 |
| -0.400                     | 32.467             |                 |
| -0.300                     | 33.117             |                 |
| -0.200                     | 33.573             |                 |
| -0.100                     | 33.845             |                 |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 0.000                      | 33.935             |                 |
| 0.100                      | 33.845             |                 |
| 0.200                      | 33.572             |                 |
| 0.300                      | 33.107             |                 |
| 0.400                      | 32.439             |                 |
| 0.500                      | 31.547             |                 |
| 0.600                      | 30.402             |                 |
| 0.700                      | 28.961             |                 |
| 0.800                      | 27.158             |                 |
| 0.900                      | 24.894             |                 |
| 1.000                      | 22.028             |                 |
| 1.100                      | 18.475             |                 |
| 1.200                      | 15.144             |                 |
| 1.300                      | 12.259             |                 |
| 1.400                      | 14.663             |                 |
| 1.500                      | 16.687             | 21.898          |
| 1.600                      | 18.000             | 21.197          |
| 1.700                      | 18.729             | 20.539          |
| 1.800                      | 18.988             | 19.918          |
| 1.900                      | 18.848             | 19.331          |
| 2.000                      | 18.344             | 18.774          |
| 2.100                      | 17.491             | 18.245          |
| 2.200                      | 16.276             | 17.739          |
| 2.300                      | 14.668             | 17.257          |
| 2.400                      | 12.601             | 16.795          |
| 2.500                      | 9.958              | 16.351          |
| 2.600                      | 6.536              | 15.926          |
| 2.700                      | 2.021              | 15.516          |
| 2.800                      | -3.198             | 15.121          |
| 2.900                      | -0.863             | 14.740          |
| 3.000                      | 1.738              | 14.372          |
| 3.100                      | 3.240              | 14.016          |
| 3.200                      | 3.545              | 13.671          |
| 3.300                      | 2.845              | 13.337          |
| 3.400                      | 1.161              | 13.013          |
| 3.500                      | -1.593             | 12.698          |
| 3.600                      | -4.839             | 12.392          |
| 3.700                      | -4.680             | 12.095          |
| 3.800                      | -1.368             | 11.805          |
| 3.900                      | 1.455              | 11.523          |
| 4.000                      | 3.420              | 11.249          |
| 4.100                      | 4.746              | 10.980          |
| 4.200                      | 5.612              | 10.719          |
| 4.300                      | 6.136              | 10.463          |
| 4.400                      | 6.394              | 10.214          |
| 4.500                      | 6.435              | 9.970           |
| 4.600                      | 6.282              | 9.731           |
| 4.700                      | 5.937              | 9.498           |
| 4.800                      | 5.377              | 9.269           |
| 4.900                      | 4.561              | 9.045           |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 5.000                      | 3.422              | 8.826           |
| 5.100                      | 1.857              | 8.611           |
| 5.200                      | -0.289             | 8.400           |
| 5.300                      | -3.220             | 8.193           |
| 5.400                      | -6.834             | 7.990           |
| 5.500                      | -8.328             | 7.791           |
| 5.600                      | -5.622             | 7.595           |
| 5.700                      | -2.756             | 7.403           |
| 5.800                      | -0.793             | 7.214           |
| 5.900                      | 0.400              | 7.029           |
| 6.000                      | 0.968              | 6.846           |
| 6.100                      | 0.987              | 6.667           |
| 6.200                      | 0.470              | 6.490           |
| 6.300                      | -0.629             | 6.316           |
| 6.400                      | -2.444             | 6.146           |
| 6.500                      | -5.292             | 5.977           |
| 6.600                      | -10.009            | 5.811           |
| 6.700                      | -18.641            | 5.648           |
| 6.800                      | -14.150            | 5.487           |
| 6.900                      | -8.304             | 5.329           |
| 7.000                      | -5.265             | 5.173           |
| 7.100                      | -3.570             | 5.300           |
| 7.200                      | -2.721             | 5.300           |
| 7.300                      | -2.508             | 5.300           |
| 7.400                      | -2.835             | 5.300           |
| 7.500                      | -3.645             | 5.300           |
| 7.600                      | -4.860             | 5.300           |
| 7.700                      | -6.251             | 5.300           |
| 7.800                      | -7.237             | 5.300           |
| 7.900                      | -7.129             | 5.300           |
| 8.000                      | -6.073             | 5.300           |
| 8.100                      | -4.800             | 5.300           |
| 8.200                      | -3.766             | 5.300           |
| 8.300                      | -3.121             | 5.300           |
| 8.400                      | -2.903             | 5.300           |
| 8.500                      | -3.132             | 5.300           |
| 8.600                      | -3.851             | 5.300           |
| 8.700                      | -5.150             | 5.300           |
| 8.800                      | -7.230             | 5.300           |
| 8.900                      | -10.572            | 5.300           |
| 9.000                      | -16.798            | 5.300           |
| 9.100                      | -38.007            | 5.300           |
| 9.200                      | -15.926            | 5.300           |
| 9.300                      | -10.623            | 5.088           |
| 9.400                      | -7.811             | 4.972           |
| 9.500                      | -6.168             | 4.857           |
| 9.600                      | -5.275             | 4.743           |
| 9.700                      | -4.959             | 4.631           |
| 9.800                      | -5.144             | 4.519           |
| 9.900                      | -5.812             | 4.409           |
| 10.000                     | -6.990             | 4.300           |

## 4.2. Azimuth Pattern for Co-pol (-180°~180°)

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -180.000                   | -24.891            | -12.700         |
| -179.000                   | -25.880            | -12.700         |
| -178.000                   | -27.788            | -12.700         |
| -177.000                   | -30.339            | -12.700         |
| -176.000                   | -25.419            | -12.700         |
| -175.000                   | -28.997            | -12.700         |
| -174.000                   | -37.840            | -12.700         |
| -173.000                   | -32.176            | -12.700         |
| -172.000                   | -30.888            | -12.700         |
| -171.000                   | -29.540            | -12.700         |
| -170.000                   | -33.343            | -12.700         |
| -169.000                   | -31.826            | -12.700         |
| -168.000                   | -32.115            | -12.700         |
| -167.000                   | -37.565            | -12.700         |
| -166.000                   | -31.876            | -12.700         |
| -165.000                   | -37.881            | -12.700         |
| -164.000                   | -27.749            | -12.700         |
| -163.000                   | -32.724            | -12.700         |
| -162.000                   | -29.046            | -12.700         |
| -161.000                   | -26.090            | -12.700         |
| -160.000                   | -25.246            | -12.700         |
| -159.000                   | -30.062            | -12.700         |
| -158.000                   | -26.924            | -12.700         |
| -157.000                   | -28.220            | -12.700         |
| -156.000                   | -31.741            | -12.700         |
| -155.000                   | -33.900            | -12.700         |
| -154.000                   | -26.027            | -12.700         |
| -153.000                   | -22.968            | -12.700         |
| -152.000                   | -22.324            | -12.700         |
| -151.000                   | -21.485            | -12.700         |
| -150.000                   | -21.115            | -12.700         |
| -149.000                   | -20.857            | -12.700         |
| -148.000                   | -23.174            | -12.700         |
| -147.000                   | -24.952            | -12.700         |
| -146.000                   | -27.019            | -12.700         |
| -145.000                   | -23.266            | -12.700         |
| -144.000                   | -22.010            | -12.700         |
| -143.000                   | -22.061            | -12.700         |
| -142.000                   | -24.826            | -12.700         |
| -141.000                   | -26.341            | -12.700         |
| -140.000                   | -27.504            | -12.700         |
| -139.000                   | -29.438            | -12.700         |
| -138.000                   | -30.300            | -12.700         |
| -137.000                   | -29.608            | -12.700         |
| -136.000                   | -30.743            | -12.700         |
| -135.000                   | -34.004            | -12.700         |
| -134.000                   | -38.156            | -12.700         |
| -133.000                   | -41.398            | -12.700         |
| -132.000                   | -38.381            | -12.700         |
| -131.000                   | -32.624            | -12.700         |
| -130.000                   | -27.881            | -12.700         |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -129.000                   | -36.126            | -12.700         |
| -128.000                   | -28.187            | -12.700         |
| -127.000                   | -28.626            | -12.700         |
| -126.000                   | -30.115            | -12.700         |
| -125.000                   | -26.602            | -12.700         |
| -124.000                   | -23.588            | -12.700         |
| -123.000                   | -24.353            | -12.700         |
| -122.000                   | -26.418            | -12.700         |
| -121.000                   | -22.567            | -12.700         |
| -120.000                   | -29.878            | -12.700         |
| -119.000                   | -29.087            | -12.700         |
| -118.000                   | -24.522            | -12.700         |
| -117.000                   | -38.631            | -12.700         |
| -116.000                   | -27.275            | -12.700         |
| -115.000                   | -31.769            | -12.700         |
| -114.000                   | -34.144            | -12.700         |
| -113.000                   | -27.372            | -12.700         |
| -112.000                   | -36.345            | -12.700         |
| -111.000                   | -26.701            | -12.700         |
| -110.000                   | -36.134            | -12.700         |
| -109.000                   | -30.169            | -12.700         |
| -108.000                   | -35.389            | -12.700         |
| -107.000                   | -29.461            | -12.700         |
| -106.000                   | -40.473            | -12.700         |
| -105.000                   | -31.605            | -12.700         |
| -104.000                   | -41.214            | -12.700         |
| -103.000                   | -34.765            | -12.700         |
| -102.000                   | -42.523            | -12.700         |
| -101.000                   | -36.036            | -12.700         |
| -100.000                   | -34.703            | -12.700         |
| -99.000                    | -31.764            | -12.700         |
| -98.000                    | -26.990            | -12.700         |
| -97.000                    | -27.251            | -12.700         |
| -96.000                    | -32.770            | -12.700         |
| -95.000                    | -43.855            | -12.700         |
| -94.000                    | -35.368            | -12.700         |
| -93.000                    | -34.642            | -12.700         |
| -92.000                    | -35.851            | -12.700         |
| -91.000                    | -34.523            | -12.700         |
| -90.000                    | -39.515            | -12.700         |
| -89.000                    | -46.209            | -12.700         |
| -88.000                    | -40.214            | -12.700         |
| -87.000                    | -38.711            | -12.700         |
| -86.000                    | -40.841            | -12.700         |
| -85.000                    | -48.109            | -12.700         |
| -84.000                    | -51.449            | -12.700         |
| -83.000                    | -41.697            | -12.700         |
| -82.000                    | -38.177            | -12.700         |
| -81.000                    | -34.884            | -12.700         |
| -80.000                    | -31.121            | -12.700         |
| -79.000                    | -28.939            | -12.700         |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -78.000                    | -29.924            | -12.700         |
| -77.000                    | -36.937            | -12.700         |
| -76.000                    | -29.864            | -12.700         |
| -75.000                    | -24.989            | -12.700         |
| -74.000                    | -26.581            | -12.700         |
| -73.000                    | -33.682            | -12.700         |
| -72.000                    | -24.093            | -12.700         |
| -71.000                    | -23.404            | -12.700         |
| -70.000                    | -34.073            | -12.700         |
| -69.000                    | -30.118            | -12.700         |
| -68.000                    | -28.065            | -12.700         |
| -67.000                    | -28.644            | -12.700         |
| -66.000                    | -45.347            | -12.700         |
| -65.000                    | -25.073            | -12.700         |
| -64.000                    | -28.079            | -12.700         |
| -63.000                    | -20.328            | -12.700         |
| -62.000                    | -23.952            | -12.700         |
| -61.000                    | -19.882            | -12.700         |
| -60.000                    | -22.686            | -12.700         |
| -59.000                    | -18.014            | -12.700         |
| -58.000                    | -21.728            | -12.700         |
| -57.000                    | -23.679            | -12.700         |
| -56.000                    | -24.473            | -12.700         |
| -55.000                    | -22.600            | -12.700         |
| -54.000                    | -19.898            | -12.700         |
| -53.000                    | -23.048            | -12.700         |
| -52.000                    | -27.133            | -12.700         |
| -51.000                    | -20.838            | -12.700         |
| -50.000                    | -17.185            | -12.700         |
| -49.000                    | -17.881            | -12.700         |
| -48.000                    | -18.262            | -12.731         |
| -47.000                    | -14.372            | -12.502         |
| -46.000                    | -16.044            | -12.269         |
| -45.000                    | -20.970            | -12.030         |
| -44.000                    | -25.004            | -11.786         |
| -43.000                    | -30.910            | -11.537         |
| -42.000                    | -30.858            | -11.281         |
| -41.000                    | -20.648            | -11.020         |
| -40.000                    | -26.413            | -10.751         |
| -39.000                    | -28.925            | -10.477         |
| -38.000                    | -23.912            | -10.195         |
| -37.000                    | -19.980            | -9.905          |
| -36.000                    | -25.686            | -9.608          |
| -35.000                    | -24.006            | -9.302          |
| -34.000                    | -16.046            | -8.987          |
| -33.000                    | -14.948            | -8.663          |
| -32.000                    | -18.434            | -8.329          |
| -31.000                    | -15.635            | -7.984          |
| -30.000                    | -16.578            | -7.628          |
| -29.000                    | -13.105            | -7.260          |
| -28.000                    | -13.443            | -6.879          |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -27.000                    | -18.895            | -6.484          |
| -26.000                    | -13.090            | -6.074          |
| -25.000                    | -14.502            | -5.649          |
| -24.000                    | -18.953            | -5.205          |
| -23.000                    | -16.174            | -4.743          |
| -22.000                    | -14.270            | -4.261          |
| -21.000                    | -19.366            | -3.755          |
| -20.000                    | -14.475            | -3.226          |
| -19.000                    | -17.356            | -2.669          |
| -18.000                    | -12.426            | -2.082          |
| -17.000                    | -20.480            | -1.461          |
| -16.000                    | -19.076            | -0.803          |
| -15.000                    | -7.391             | -0.102          |
| -14.000                    | -14.174            | 0.647           |
| -13.000                    | -14.050            | 1.451           |
| -12.000                    | -5.222             | 2.320           |
| -11.000                    | -13.372            | 3.265           |
| -10.000                    | -6.193             | 4.300           |
| -9.000                     | -6.186             | 5.300           |
| -8.000                     | -6.830             | 5.300           |
| -7.000                     | -4.719             | 5.173           |
| -6.000                     | 6.467              | 6.846           |
| -5.000                     | 4.196              | 8.826           |
| -4.000                     | 6.881              | 11.249          |
| -3.000                     | 1.978              | 14.372          |
| -2.000                     | 16.011             | 18.774          |
| -1.000                     | 23.279             |                 |
| 0.000                      | 33.935             |                 |
| 1.000                      | 22.028             |                 |
| 2.000                      | 18.344             | 18.774          |
| 3.000                      | 1.738              | 14.372          |
| 4.000                      | 3.420              | 11.249          |
| 5.000                      | 3.422              | 8.826           |
| 6.000                      | 0.968              | 6.846           |
| 7.000                      | -5.265             | 5.173           |
| 8.000                      | -6.073             | 5.300           |
| 9.000                      | -16.798            | 5.300           |
| 10.000                     | -6.990             | 4.300           |
| 11.000                     | -15.653            | 3.265           |
| 12.000                     | -9.877             | 2.320           |
| 13.000                     | -10.777            | 1.451           |
| 14.000                     | -14.293            | 0.647           |
| 15.000                     | -14.661            | -0.102          |
| 16.000                     | -8.369             | -0.803          |
| 17.000                     | -16.876            | -1.461          |
| 18.000                     | -9.037             | -2.082          |
| 19.000                     | -23.874            | -2.669          |
| 20.000                     | -16.712            | -3.226          |
| 21.000                     | -20.566            | -3.755          |
| 22.000                     | -21.312            | -4.261          |
| 23.000                     | -15.207            | -4.743          |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 24.000                     | -13.111            | -5.205          |
| 25.000                     | -16.620            | -5.649          |
| 26.000                     | -13.363            | -6.074          |
| 27.000                     | -13.631            | -6.484          |
| 28.000                     | -13.030            | -6.879          |
| 29.000                     | -10.071            | -7.260          |
| 30.000                     | -11.807            | -7.628          |
| 31.000                     | -11.937            | -7.984          |
| 32.000                     | -14.181            | -8.329          |
| 33.000                     | -13.032            | -8.663          |
| 34.000                     | -15.719            | -8.987          |
| 35.000                     | -19.036            | -9.302          |
| 36.000                     | -22.215            | -9.608          |
| 37.000                     | -20.054            | -9.905          |
| 38.000                     | -20.618            | -10.195         |
| 39.000                     | -18.620            | -10.477         |
| 40.000                     | -18.977            | -10.751         |
| 41.000                     | -20.756            | -11.020         |
| 42.000                     | -17.246            | -11.281         |
| 43.000                     | -18.214            | -11.537         |
| 44.000                     | -19.627            | -11.786         |
| 45.000                     | -18.145            | -12.030         |
| 46.000                     | -19.580            | -12.269         |
| 47.000                     | -17.108            | -12.502         |
| 48.000                     | -16.647            | -12.731         |
| 49.000                     | -16.767            | -12.700         |
| 50.000                     | -15.647            | -12.700         |
| 51.000                     | -15.795            | -12.700         |
| 52.000                     | -17.634            | -12.700         |
| 53.000                     | -17.200            | -12.700         |
| 54.000                     | -18.483            | -12.700         |
| 55.000                     | -18.833            | -12.700         |
| 56.000                     | -19.383            | -12.700         |
| 57.000                     | -21.394            | -12.700         |
| 58.000                     | -20.984            | -12.700         |
| 59.000                     | -21.973            | -12.700         |
| 60.000                     | -25.003            | -12.700         |
| 61.000                     | -24.009            | -12.700         |
| 62.000                     | -25.574            | -12.700         |
| 63.000                     | -25.400            | -12.700         |
| 64.000                     | -29.304            | -12.700         |
| 65.000                     | -28.063            | -12.700         |
| 66.000                     | -30.473            | -12.700         |
| 67.000                     | -26.991            | -12.700         |
| 68.000                     | -38.485            | -12.700         |
| 69.000                     | -22.744            | -12.700         |
| 70.000                     | -25.360            | -12.700         |
| 71.000                     | -29.485            | -12.700         |
| 72.000                     | -23.509            | -12.700         |
| 73.000                     | -28.622            | -12.700         |
| 74.000                     | -35.680            | -12.700         |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 75.000                     | -27.060            | -12.700         |
| 76.000                     | -29.252            | -12.700         |
| 77.000                     | -41.240            | -12.700         |
| 78.000                     | -33.698            | -12.700         |
| 79.000                     | -30.919            | -12.700         |
| 80.000                     | -31.866            | -12.700         |
| 81.000                     | -32.867            | -12.700         |
| 82.000                     | -32.327            | -12.700         |
| 83.000                     | -32.080            | -12.700         |
| 84.000                     | -32.784            | -12.700         |
| 85.000                     | -34.059            | -12.700         |
| 86.000                     | -35.325            | -12.700         |
| 87.000                     | -36.581            | -12.700         |
| 88.000                     | -38.961            | -12.700         |
| 89.000                     | -45.124            | -12.700         |
| 90.000                     | -38.254            | -12.700         |
| 91.000                     | -37.479            | -12.700         |
| 92.000                     | -37.315            | -12.700         |
| 93.000                     | -38.155            | -12.700         |
| 94.000                     | -39.746            | -12.700         |
| 95.000                     | -41.849            | -12.700         |
| 96.000                     | -45.426            | -12.700         |
| 97.000                     | -50.833            | -12.700         |
| 98.000                     | -54.281            | -12.700         |
| 99.000                     | -53.670            | -12.700         |
| 100.000                    | -49.202            | -12.700         |
| 101.000                    | -43.952            | -12.700         |
| 102.000                    | -41.173            | -12.700         |
| 103.000                    | -39.200            | -12.700         |
| 104.000                    | -37.805            | -12.700         |
| 105.000                    | -37.255            | -12.700         |
| 106.000                    | -37.712            | -12.700         |
| 107.000                    | -38.265            | -12.700         |
| 108.000                    | -36.318            | -12.700         |
| 109.000                    | -33.679            | -12.700         |
| 110.000                    | -33.271            | -12.700         |
| 111.000                    | -37.715            | -12.700         |
| 112.000                    | -46.244            | -12.700         |
| 113.000                    | -32.440            | -12.700         |
| 114.000                    | -29.564            | -12.700         |
| 115.000                    | -30.160            | -12.700         |
| 116.000                    | -31.850            | -12.700         |
| 117.000                    | -38.416            | -12.700         |
| 118.000                    | -35.551            | -12.700         |
| 119.000                    | -30.337            | -12.700         |
| 120.000                    | -37.754            | -12.700         |
| 121.000                    | -31.447            | -12.700         |
| 122.000                    | -33.710            | -12.700         |
| 123.000                    | -33.830            | -12.700         |
| 124.000                    | -31.342            | -12.700         |
| 125.000                    | -35.018            | -12.700         |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 126.000                    | -33.038            | -12.700         |
| 127.000                    | -34.101            | -12.700         |
| 128.000                    | -36.573            | -12.700         |
| 129.000                    | -32.694            | -12.700         |
| 130.000                    | -34.775            | -12.700         |
| 131.000                    | -33.016            | -12.700         |
| 132.000                    | -34.394            | -12.700         |
| 133.000                    | -35.616            | -12.700         |
| 134.000                    | -41.311            | -12.700         |
| 135.000                    | -37.592            | -12.700         |
| 136.000                    | -44.995            | -12.700         |
| 137.000                    | -44.518            | -12.700         |
| 138.000                    | -37.313            | -12.700         |
| 139.000                    | -34.742            | -12.700         |
| 140.000                    | -31.629            | -12.700         |
| 141.000                    | -35.849            | -12.700         |
| 142.000                    | -29.241            | -12.700         |
| 143.000                    | -31.099            | -12.700         |
| 144.000                    | -26.535            | -12.700         |
| 145.000                    | -27.216            | -12.700         |
| 146.000                    | -25.799            | -12.700         |
| 147.000                    | -24.424            | -12.700         |
| 148.000                    | -23.584            | -12.700         |
| 149.000                    | -26.296            | -12.700         |
| 150.000                    | -35.112            | -12.700         |
| 151.000                    | -30.682            | -12.700         |
| 152.000                    | -33.010            | -12.700         |
| 153.000                    | -33.464            | -12.700         |
| 154.000                    | -27.925            | -12.700         |
| 155.000                    | -26.669            | -12.700         |
| 156.000                    | -25.407            | -12.700         |
| 157.000                    | -27.655            | -12.700         |
| 158.000                    | -29.057            | -12.700         |
| 159.000                    | -32.973            | -12.700         |
| 160.000                    | -36.938            | -12.700         |
| 161.000                    | -47.981            | -12.700         |
| 162.000                    | -41.240            | -12.700         |
| 163.000                    | -44.942            | -12.700         |
| 164.000                    | -31.190            | -12.700         |
| 165.000                    | -29.225            | -12.700         |
| 166.000                    | -30.310            | -12.700         |
| 167.000                    | -39.099            | -12.700         |
| 168.000                    | -32.505            | -12.700         |
| 169.000                    | -28.809            | -12.700         |
| 170.000                    | -26.902            | -12.700         |
| 171.000                    | -29.934            | -12.700         |
| 172.000                    | -28.538            | -12.700         |
| 173.000                    | -26.129            | -12.700         |
| 174.000                    | -31.155            | -12.700         |
| 175.000                    | -37.268            | -12.700         |
| 176.000                    | -29.007            | -12.700         |
| 177.000                    | -27.063            | -12.700         |
| 178.000                    | -40.011            | -12.700         |
| 179.000                    | -23.902            | -12.700         |
| 180.000                    | -24.118            | -12.700         |

### 4.3. Azimuth Pattern for Cross-pol (-7°~7°)

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -7.000                     | -11.131            | -4.827          |
| -6.900                     | -10.961            | -4.671          |
| -6.800                     | -9.967             | -4.513          |
| -6.700                     | -8.786             | -4.352          |
| -6.600                     | -7.834             | -4.189          |
| -6.500                     | -7.268             | -4.023          |
| -6.400                     | -7.144             | -3.854          |
| -6.300                     | -7.502             | -3.684          |
| -6.200                     | -8.400             | -3.510          |
| -6.100                     | -9.911             | -3.333          |
| -6.000                     | -12.024            | -3.154          |
| -5.900                     | -13.989            | -2.971          |
| -5.800                     | -13.532            | -2.786          |
| -5.700                     | -10.900            | -2.597          |
| -5.600                     | -8.278             | -2.405          |
| -5.500                     | -6.254             | -2.209          |
| -5.400                     | -4.806             | -2.010          |
| -5.300                     | -3.851             | -1.807          |
| -5.200                     | -3.330             | -1.600          |
| -5.100                     | -3.215             | -1.389          |
| -5.000                     | -3.502             | -1.174          |
| -4.900                     | -4.214             | -0.955          |
| -4.800                     | -5.399             | -0.731          |
| -4.700                     | -7.127             | -0.502          |
| -4.600                     | -9.429             | -0.269          |
| -4.500                     | -11.910            | -0.030          |
| -4.400                     | -12.808            | 0.214           |
| -4.300                     | -7.183             | 0.463           |
| -4.200                     | -5.021             | 0.719           |
| -4.100                     | -3.366             | 0.980           |
| -4.000                     | -2.332             | 1.249           |
| -3.900                     | -1.877             | 1.523           |
| -3.800                     | -1.974             | 1.805           |
| -3.700                     | -2.646             | 2.095           |
| -3.600                     | -3.985             | 2.392           |
| -3.500                     | -6.207             | 2.698           |
| -3.400                     | -9.790             | 3.013           |
| -3.300                     | -15.417            | 3.337           |
| -3.200                     | -15.810            | 3.671           |
| -3.100                     | -10.424            | 4.016           |
| -3.000                     | -7.104             | 4.372           |
| -2.900                     | -5.248             | 4.740           |
| -2.800                     | -4.416             | 5.121           |
| -2.700                     | -4.476             | 5.516           |
| -2.600                     | -5.515             | 5.926           |
| -2.500                     | -7.888             | 6.351           |
| -2.400                     | -12.139            | 6.795           |
| -2.300                     | -10.373            | 7.257           |
| -2.200                     | -8.152             | 7.739           |
| -2.100                     | -3.585             | 8.245           |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| -2.000                     | -0.352             | 8.774           |
| -1.900                     | 2.065              | 9.331           |
| -1.800                     | 3.922              | 9.918           |
| -1.700                     | 5.355              |                 |
| -1.600                     | 6.446              |                 |
| -1.500                     | 7.243              |                 |
| -1.400                     | 7.775              |                 |
| -1.300                     | 8.060              |                 |
| -1.200                     | 8.106              |                 |
| -1.100                     | 7.917              |                 |
| -1.000                     | 7.495              |                 |
| -0.900                     | 6.846              |                 |
| -0.800                     | 6.003              |                 |
| -0.700                     | 5.059              |                 |
| -0.600                     | 4.223              |                 |
| -0.500                     | 3.831              |                 |
| -0.400                     | 4.126              |                 |
| -0.300                     | 4.984              |                 |
| -0.200                     | 6.082              |                 |
| -0.100                     | 7.138              |                 |
| 0.000                      | 8.020              |                 |
| 0.100                      | 8.675              |                 |
| 0.200                      | 9.089              |                 |
| 0.300                      | 9.257              |                 |
| 0.400                      | 9.180              |                 |
| 0.500                      | 8.854              |                 |
| 0.600                      | 8.272              |                 |
| 0.700                      | 7.428              |                 |
| 0.800                      | 6.328              |                 |
| 0.900                      | 5.026              |                 |
| 1.000                      | 3.692              |                 |
| 1.100                      | 1.762              |                 |
| 1.200                      | -0.398             |                 |
| 1.300                      | 0.290              |                 |
| 1.400                      | 1.381              |                 |
| 1.500                      | 2.423              |                 |
| 1.600                      | 3.336              |                 |
| 1.700                      | 4.014              |                 |
| 1.800                      | 4.456              | 9.918           |
| 1.900                      | 4.676              | 9.331           |
| 2.000                      | 4.690              | 8.774           |
| 2.100                      | 4.517              | 8.245           |
| 2.200                      | 4.170              | 7.739           |
| 2.300                      | 3.668              | 7.257           |
| 2.400                      | 3.027              | 6.795           |
| 2.500                      | 2.268              | 6.351           |
| 2.600                      | 1.415              | 5.926           |
| 2.700                      | 0.495              | 5.516           |
| 2.800                      | -0.459             | 5.121           |
| 2.900                      | -1.415             | 4.740           |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 3.000                      | -2.343             | 4.372           |
| 3.100                      | -3.573             | 4.016           |
| 3.200                      | -5.003             | 3.671           |
| 3.300                      | -6.541             | 3.337           |
| 3.400                      | -8.382             | 3.013           |
| 3.500                      | -9.911             | 2.698           |
| 3.600                      | -11.000            | 2.392           |
| 3.700                      | -12.153            | 2.095           |
| 3.800                      | -13.099            | 1.805           |
| 3.900                      | -14.153            | 1.523           |
| 4.000                      | -14.720            | 1.249           |
| 4.100                      | -14.151            | 0.980           |
| 4.200                      | -13.120            | 0.719           |
| 4.300                      | -12.204            | 0.463           |
| 4.400                      | -11.461            | 0.214           |
| 4.500                      | -10.704            | -0.030          |
| 4.600                      | -10.051            | -0.269          |
| 4.700                      | -9.570             | -0.502          |
| 4.800                      | -9.296             | -0.731          |
| 4.900                      | -9.240             | -0.955          |
| 5.000                      | -9.390             | -1.174          |
| 5.100                      | -9.700             | -1.389          |
| 5.200                      | -10.061            | -1.600          |
| 5.300                      | -10.287            | -1.807          |
| 5.400                      | -10.158            | -2.010          |
| 5.500                      | -9.576             | -2.209          |
| 5.600                      | -8.654             | -2.405          |
| 5.700                      | -7.614             | -2.597          |
| 5.800                      | -6.640             | -2.786          |
| 5.900                      | -5.839             | -2.971          |
| 6.000                      | -5.267             | -3.154          |
| 6.100                      | -4.948             | -3.333          |
| 6.200                      | -4.902             | -3.510          |
| 6.300                      | -5.150             | -3.684          |
| 6.400                      | -5.721             | -3.854          |
| 6.500                      | -6.663             | -4.023          |
| 6.600                      | -8.060             | -4.189          |
| 6.700                      | -10.059            | -4.352          |
| 6.800                      | -12.967            | -4.513          |
| 6.900                      | -17.570            | -4.671          |
| 7.000                      | -27.038            | -4.827          |

#### 4.4. Elevation Pattern for Co pol (0°~30°)

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 0.000                      | 33.935             |                 |
| 0.100                      | 33.881             |                 |
| 0.200                      | 33.717             |                 |
| 0.300                      | 33.439             |                 |
| 0.400                      | 33.043             |                 |
| 0.500                      | 32.525             |                 |
| 0.600                      | 31.877             |                 |
| 0.700                      | 31.091             |                 |
| 0.800                      | 30.156             |                 |
| 0.900                      | 29.061             |                 |
| 1.000                      | 27.791             |                 |
| 1.100                      | 26.328             |                 |
| 1.200                      | 24.654             |                 |
| 1.300                      | 22.754             |                 |
| 1.400                      | 20.624             |                 |
| 1.500                      | 18.303             |                 |
| 1.600                      | 15.930             |                 |
| 1.700                      | 13.811             |                 |
| 1.800                      | 12.305             |                 |
| 1.900                      | 11.435             |                 |
| 2.000                      | 10.809             |                 |
| 2.100                      | 9.984              |                 |
| 2.200                      | 8.642              |                 |
| 2.300                      | 6.494              |                 |
| 2.400                      | 3.199              |                 |
| 2.500                      | -0.697             |                 |
| 2.600                      | 0.530              |                 |
| 2.700                      | 4.643              |                 |
| 2.800                      | 7.644              |                 |
| 2.900                      | 9.629              |                 |
| 3.000                      | 10.890             | 17.372          |
| 3.100                      | 11.598             | 17.016          |
| 3.200                      | 11.840             | 16.671          |
| 3.300                      | 11.655             | 16.337          |
| 3.400                      | 11.048             | 16.013          |
| 3.500                      | 9.984              | 15.698          |
| 3.600                      | 8.382              | 15.392          |
| 3.700                      | 6.071              | 15.095          |
| 3.800                      | 2.698              | 14.805          |
| 3.900                      | -2.419             | 14.523          |
| 4.000                      | -6.712             | 14.249          |
| 4.100                      | -2.011             | 13.980          |
| 4.200                      | 1.889              | 13.719          |
| 4.300                      | 4.211              | 13.463          |
| 4.400                      | 5.576              | 13.214          |
| 4.500                      | 6.289              | 12.970          |
| 4.600                      | 6.500              | 12.731          |
| 4.700                      | 6.291              | 12.498          |
| 4.800                      | 5.708              | 12.269          |
| 4.900                      | 4.778              | 12.045          |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 5.000                      | 3.535              | 11.826          |
| 5.100                      | 2.045              | 11.611          |
| 5.200                      | 0.472              | 11.400          |
| 5.300                      | -0.867             | 11.193          |
| 5.400                      | -1.610             | 10.990          |
| 5.500                      | -1.718             | 10.791          |
| 5.600                      | -1.535             | 10.595          |
| 5.700                      | -1.442             | 10.403          |
| 5.800                      | -1.676             | 10.214          |
| 5.900                      | -2.396             | 10.029          |
| 6.000                      | -3.776             | 9.846           |
| 6.100                      | -6.149             | 9.667           |
| 6.200                      | -10.423            | 9.490           |
| 6.300                      | -21.675            | 9.316           |
| 6.400                      | -16.312            | 9.146           |
| 6.500                      | -8.141             | 8.977           |
| 6.600                      | -4.132             | 8.811           |
| 6.700                      | -1.626             | 8.648           |
| 6.800                      | 0.029              | 8.487           |
| 6.900                      | 1.085              | 8.329           |
| 7.000                      | 1.657              | 8.173           |
| 7.100                      | 1.793              | 8.019           |
| 7.200                      | 1.497              | 7.867           |
| 7.300                      | 0.733              | 7.717           |
| 7.400                      | -0.595             | 7.569           |
| 7.500                      | -2.691             | 7.423           |
| 7.600                      | -6.047             | 7.280           |
| 7.700                      | -12.310            | 7.138           |
| 7.800                      | -28.306            | 6.998           |
| 7.900                      | -11.015            | 6.859           |
| 8.000                      | -5.776             | 6.723           |
| 8.100                      | -2.947             | 6.588           |
| 8.200                      | -1.262             | 6.455           |
| 8.300                      | -0.314             | 6.323           |
| 8.400                      | 0.068              | 6.193           |
| 8.500                      | -0.044             | 6.065           |
| 8.600                      | -0.631             | 5.938           |
| 8.700                      | -1.723             | 5.812           |
| 8.800                      | -3.410             | 5.688           |
| 8.900                      | -5.890             | 5.565           |
| 9.000                      | -9.632             | 5.444           |
| 9.100                      | -16.151            | 5.324           |
| 9.200                      | -31.644            | 5.205           |
| 9.300                      | -16.747            | 5.088           |
| 9.400                      | -12.085            | 4.972           |
| 9.500                      | -9.997             | 4.857           |
| 9.600                      | -9.205             | 4.743           |
| 9.700                      | -9.337             | 4.631           |
| 9.800                      | -10.295            | 4.519           |
| 9.900                      | -12.131            | 4.409           |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 10.000                     | -15.005            | 4.300           |
| 10.100                     | -18.802            | 4.192           |
| 10.200                     | -20.432            | 4.085           |
| 10.300                     | -17.809            | 3.979           |
| 10.400                     | -15.317            | 3.874           |
| 10.500                     | -13.888            | 3.770           |
| 10.600                     | -13.288            | 3.667           |
| 10.700                     | -13.191            | 3.565           |
| 10.800                     | -13.127            | 3.464           |
| 10.900                     | -12.528            | 3.364           |
| 11.000                     | -11.214            | 3.265           |
| 11.100                     | -9.580             | 3.167           |
| 11.200                     | -8.057             | 3.070           |
| 11.300                     | -6.857             | 2.973           |
| 11.400                     | -6.052             | 2.877           |
| 11.500                     | -5.662             | 2.783           |
| 11.600                     | -5.704             | 2.689           |
| 11.700                     | -6.209             | 2.595           |
| 11.800                     | -7.243             | 2.503           |
| 11.900                     | -8.934             | 2.411           |
| 12.000                     | -11.543            | 2.320           |
| 12.100                     | -15.629            | 2.230           |
| 12.200                     | -21.660            | 2.141           |
| 12.300                     | -20.296            | 2.052           |
| 12.400                     | -15.283            | 1.964           |
| 12.500                     | -12.349            | 1.877           |
| 12.600                     | -10.728            | 1.791           |
| 12.700                     | -9.994             | 1.705           |
| 12.800                     | -9.969             | 1.620           |
| 12.900                     | -10.594            | 1.535           |
| 13.000                     | -11.888            | 1.451           |
| 13.100                     | -13.915            | 1.368           |
| 13.200                     | -16.642            | 1.286           |
| 13.300                     | -19.085            | 1.204           |
| 13.400                     | -18.741            | 1.122           |
| 13.500                     | -16.566            | 1.042           |
| 13.600                     | -14.730            | 0.962           |
| 13.700                     | -13.638            | 0.882           |
| 13.800                     | -13.221            | 0.803           |
| 13.900                     | -13.357            | 0.725           |
| 14.000                     | -13.872            | 0.647           |
| 14.100                     | -14.439            | 0.570           |
| 14.200                     | -14.549            | 0.493           |
| 14.300                     | -13.894            | 0.417           |
| 14.400                     | -12.748            | 0.341           |
| 14.500                     | -11.588            | 0.266           |
| 14.600                     | -10.704            | 0.191           |
| 14.700                     | -10.215            | 0.117           |
| 14.800                     | -10.176            | 0.043           |
| 14.900                     | -10.634            | -0.030          |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 15.000                     | -11.676            | -0.102          |
| 15.100                     | -13.472            | -0.174          |
| 15.200                     | -16.416            | -0.246          |
| 15.300                     | -21.700            | -0.317          |
| 15.400                     | -38.811            | -0.388          |
| 15.500                     | -24.474            | -0.458          |
| 15.600                     | -18.277            | -0.528          |
| 15.700                     | -15.270            | -0.597          |
| 15.800                     | -13.662            | -0.666          |
| 15.900                     | -12.967            | -0.735          |
| 16.000                     | -13.030            | -0.803          |
| 16.100                     | -13.849            | -0.871          |
| 16.200                     | -15.589            | -0.938          |
| 16.300                     | -18.730            | -1.005          |
| 16.400                     | -24.883            | -1.071          |
| 16.500                     | -31.423            | -1.137          |
| 16.600                     | -21.442            | -1.203          |
| 16.700                     | -16.703            | -1.268          |
| 16.800                     | -14.004            | -1.333          |
| 16.900                     | -12.397            | -1.397          |
| 17.000                     | -11.543            | -1.461          |
| 17.100                     | -11.306            | -1.525          |
| 17.200                     | -11.638            | -1.588          |
| 17.300                     | -12.541            | -1.651          |
| 17.400                     | -14.009            | -1.714          |
| 17.500                     | -15.803            | -1.776          |
| 17.600                     | -16.808            | -1.838          |
| 17.700                     | -15.636            | -1.899          |
| 17.800                     | -13.292            | -1.961          |
| 17.900                     | -11.104            | -2.021          |
| 18.000                     | -9.404             | -2.082          |
| 18.100                     | -8.188             | -2.142          |
| 18.200                     | -7.401             | -2.202          |
| 18.300                     | -6.999             | -2.261          |
| 18.400                     | -6.957             | -2.320          |
| 18.500                     | -7.268             | -2.379          |
| 18.600                     | -7.935             | -2.438          |
| 18.700                     | -8.972             | -2.496          |
| 18.800                     | -10.386            | -2.554          |
| 18.900                     | -12.117            | -2.612          |
| 19.000                     | -13.867            | -2.669          |
| 19.100                     | -14.875            | -2.726          |
| 19.200                     | -14.514            | -2.783          |
| 19.300                     | -13.313            | -2.839          |
| 19.400                     | -12.077            | -2.895          |
| 19.500                     | -11.155            | -2.951          |
| 19.600                     | -10.629            | -3.006          |
| 19.700                     | -10.506            | -3.062          |
| 19.800                     | -10.786            | -3.117          |
| 19.900                     | -11.489            | -3.171          |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 20.000                     | -12.666            | -3.226          |
| 20.100                     | -14.422            | -3.280          |
| 20.200                     | -16.984            | -3.334          |
| 20.300                     | -20.890            | -3.387          |
| 20.400                     | -27.934            | -3.441          |
| 20.500                     | -35.500            | -3.494          |
| 20.600                     | -25.253            | -3.547          |
| 20.700                     | -21.024            | -3.599          |
| 20.800                     | -18.834            | -3.652          |
| 20.900                     | -17.719            | -3.704          |
| 21.000                     | -17.346            | -3.755          |
| 21.100                     | -17.584            | -3.807          |
| 21.200                     | -18.383            | -3.858          |
| 21.300                     | -19.717            | -3.909          |
| 21.400                     | -21.444            | -3.960          |
| 21.500                     | -22.895            | -4.011          |
| 21.600                     | -22.735            | -4.061          |
| 21.700                     | -20.970            | -4.111          |
| 21.800                     | -18.911            | -4.161          |
| 21.900                     | -17.183            | -4.211          |
| 22.000                     | -15.888            | -4.261          |
| 22.100                     | -14.996            | -4.310          |
| 22.200                     | -14.469            | -4.359          |
| 22.300                     | -14.284            | -4.408          |
| 22.400                     | -14.435            | -4.456          |
| 22.500                     | -14.940            | -4.505          |
| 22.600                     | -15.846            | -4.553          |
| 22.700                     | -17.246            | -4.601          |
| 22.800                     | -19.313            | -4.648          |
| 22.900                     | -22.352            | -4.696          |
| 23.000                     | -26.516            | -4.743          |
| 23.100                     | -27.681            | -4.790          |
| 23.200                     | -23.417            | -4.837          |
| 23.300                     | -19.760            | -4.884          |
| 23.400                     | -17.205            | -4.930          |
| 23.500                     | -15.405            | -4.977          |
| 23.600                     | -14.147            | -5.023          |
| 23.700                     | -13.314            | -5.069          |
| 23.800                     | -12.844            | -5.114          |
| 23.900                     | -12.705            | -5.160          |
| 24.000                     | -12.887            | -5.205          |
| 24.100                     | -13.397            | -5.250          |
| 24.200                     | -14.255            | -5.295          |
| 24.300                     | -15.491            | -5.340          |
| 24.400                     | -17.113            | -5.385          |
| 24.500                     | -19.005            | -5.429          |
| 24.600                     | -20.620            | -5.473          |
| 24.700                     | -20.899            | -5.517          |
| 24.800                     | -19.723            | -5.561          |
| 24.900                     | -18.145            | -5.605          |

| 6.425 GHz @ -6.67 dBW/4kHz |                    |                 |
|----------------------------|--------------------|-----------------|
| Angle (Degree)             | EIRP sd (dBW/4kHz) | Mask (dBW/4kHz) |
| 25.000                     | -16.820            | -5.649          |
| 25.100                     | -15.914            | -5.692          |
| 25.200                     | -15.444            | -5.735          |
| 25.300                     | -15.400            | -5.778          |
| 25.400                     | -15.785            | -5.821          |
| 25.500                     | -16.626            | -5.864          |
| 25.600                     | -17.981            | -5.906          |
| 25.700                     | -19.939            | -5.948          |
| 25.800                     | -22.556            | -5.990          |
| 25.900                     | -25.377            | -6.032          |
| 26.000                     | -26.226            | -6.074          |
| 26.100                     | -24.389            | -6.116          |
| 26.200                     | -22.319            | -6.158          |
| 26.300                     | -20.936            | -6.199          |
| 26.400                     | -20.291            | -6.240          |
| 26.500                     | -20.361            | -6.281          |
| 26.600                     | -21.196            | -6.322          |
| 26.700                     | -22.989            | -6.363          |
| 26.800                     | -26.242            | -6.403          |
| 26.900                     | -31.791            | -6.444          |
| 27.000                     | -31.199            | -6.484          |
| 27.100                     | -25.015            | -6.524          |
| 27.200                     | -21.085            | -6.564          |
| 27.300                     | -18.515            | -6.604          |
| 27.400                     | -16.781            | -6.644          |
| 27.500                     | -15.637            | -6.683          |
| 27.600                     | -14.964            | -6.723          |
| 27.700                     | -14.698            | -6.762          |
| 27.800                     | -14.811            | -6.801          |
| 27.900                     | -15.304            | -6.840          |
| 28.000                     | -16.204            | -6.879          |
| 28.100                     | -17.567            | -6.918          |
| 28.200                     | -19.493            | -6.956          |
| 28.300                     | -22.114            | -6.995          |
| 28.400                     | -25.351            | -7.033          |
| 28.500                     | -27.423            | -7.071          |
| 28.600                     | -25.762            | -7.109          |
| 28.700                     | -23.087            | -7.147          |
| 28.800                     | -21.060            | -7.185          |
| 28.900                     | -19.738            | -7.222          |
| 29.000                     | -18.997            | -7.260          |
| 29.100                     | -18.747            | -7.297          |
| 29.200                     | -18.945            | -7.335          |
| 29.300                     | -19.580            | -7.372          |
| 29.400                     | -20.668            | -7.409          |
| 29.500                     | -22.239            | -7.446          |
| 29.600                     | -24.290            | -7.482          |
| 29.700                     | -26.583            | -7.519          |
| 29.800                     | -28.159            | -7.555          |
| 29.900                     | -27.918            | -7.592          |
| 30.000                     | -26.650            | -7.628          |