

Shanghai Convolution Communication Technology Co., Ltd.

| 产品名称 | 300MHz-6GHz对数周期天线 | 编制部门 | 技术中心 | 版本修订 | 22-1 |
|------|-------------------|-------|------|----------|--------|
| 产品型号 | JJTX0360-LPDA | 文件标准号 | | JJANT-22 | -02-07 |

一、技术指标

1. 频率: 300MHz-6GHz

2. 驻波: ≤2.5

3. 天线尺寸: 360mm×600mm×8mm

4. 增益如下表

| 频率 | 方向性值 | E面3dB波束宽度 | H面3dB波束宽度 |
|---------|---------|-----------|-----------|
| 300MHz | 3.24dBi | 76. 7 | 186. 2 |
| 350MHz | 5.60dBi | 70.8 | 130. 4 |
| 380MHz | 6.66dBi | 67. 6 | 113. 1 |
| 400MHz | 6.97dBi | 65. 9 | 105.8 |
| 500MHz | 7.69dBi | 65.8 | 106. 5 |
| 600MHz | 8.46dBi | 67.6 | 110.8 |
| 700MHz | 7.20dBi | 67. 2 | 117.7 |
| 800MHz | 7.24dBi | 72.6 | 121.7 |
| 900MHz | 7.42dBi | 73. 3 | 122. 4 |
| 1000MHz | 6.68dBi | 78. 5 | 125. 3 |
| 1200MHz | 6.86dBi | 84. 3 | 126. 9 |
| 1500MHz | 6.86dBi | 74.6 | 121.2 |
| 2000MHz | 7.20dBi | 75. 3 | 117.5 |
| 2500MHz | 6.95dBi | 78. 9 | 120.7 |
| 3000MHz | 7.21dBi | 77.6 | 112.7 |
| 3500MHz | 7.32dBi | 80. 7 | 119.7 |
| 4000MHz | 7.14dBi | 77.4 | 111.6 |
| 4500MHz | 6.97dBi | 84. 1 | 126.8 |
| 5000MHz | 7.11dBi | 87.4 | 131.0 |
| 5500MHz | 7.14dBi | 82. 2 | 126. 0 |
| 6000MHz | 6.67dBi | 86.4 | 125. 3 |

二、方向图



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| 产品名称 | 300MHz-60 | Hz对数周期天线 | 编制部门 | 技术中心 | 版本修订 | 22-1 |
|---------------------------------|---|--|-------|------|----------------|------|
| 产品型号 | JJTX0360-LPDA | | 文件标准号 | | JJANT-22-02-07 | |
| | Type Approximation Monitor Component Output Frequency Rad. effic. Tot. effic. Dir. | Farfield enabled (kR >> 1) farfield (=0.3) [1] Abs Directivity 0.3 0.6008 dB -0.3208 dB 3.241 dBi | Theta | | Phi | |
| | Type Approximation Monitor Component Output Frequency Rad. effic. Tot. effic. Dir. | Farfield enabled (kR >> 1) farfield (=0.35) [1] Abs Directivity 0.35 -0.6897 dB -0.7011 dB 5.602 dBi | Theta | | Phi | |
| A M C C F F T | ype Approximation Monitor Component Dutput Frequency Rad. effic. Tot. effic. | Farfield enabled (kR >> 1) farfield (=0.6) [1] Abs Directivity 0.6 -1.130 dB -1.162 dB 8.458 dBi | Theta | | Phi | |



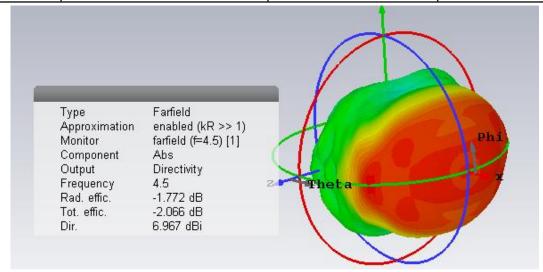
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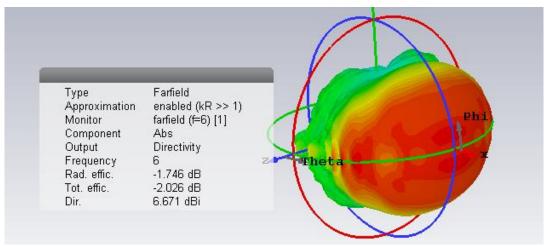
| 产品名称 | 300MHz-6 | 6GHz 对数周期天线 | 编制部门 | 技术中心 | 版本修订 | 22-1 | |
|---------------------------------|--|--|-------|-------|------|----------------|--|
| 产品型号 | ЈЈТХ0 | JJTX0360-LPDA | | 文件标准号 | | JJANT-22-02-07 | |
| Ar M Co Oo Fr Ra | pe oproximation onitor omponent utput equency ad. effic. r. | Farfield enabled (kR >> 1) farfield (=0.9) [1] Abs Directivity 0.9 -1.535 dB -1.649 dB 7.418 dBi | Theta | | Phi | | |
| Mo Co Ou Fre Ra | proximation initor mponent tput equency d. effic. t. effic. | Farfield enabled (kR >> 1) farfield (=1.5) [1] Abs Directivity 1.5 -1.673 dB -1.690 dB 6.862 dBi | Theta | | Phi | | |
| | Type Approximation Monitor Component Output Frequency Rad. effic. Tot. effic. Dir. | Farfield enabled (kR >> 1) farfield (f=3) [1] Abs Directivity 3 24 -1.700 dB -1.964 dB 7.178 dBi | Theta | | Phi | | |



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| 产品型号 | JJTX0360-LPDA | 文件标准号 | | JJANT-22-02-07 | |
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三、实物图

