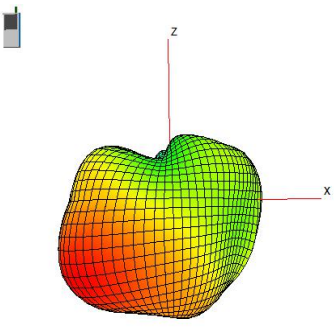




Efficiency and directivity diagram

| 2. 4G Efficiency |           |          |      | directivity diagram                                                                |
|------------------|-----------|----------|------|------------------------------------------------------------------------------------|
| Fred             | EFFI (dB) | EFFI (%) | Gain |  |
| 2400             | -3.83     | 41%      | 3.6  |                                                                                    |
| 2410             | -3.88     | 41%      | 3.68 |                                                                                    |
| 2420             | -3.81     | 42%      | 3.85 |                                                                                    |
| 2430             | -4.12     | 39%      | 3.61 |                                                                                    |
| 2440             | -4.31     | 37%      | 3.47 |                                                                                    |
| 2450             | -4.29     | 37%      | 3.58 |                                                                                    |
| 2460             | -4.49     | 36%      | 3.47 |                                                                                    |
| 2470             | -4.68     | 34%      | 3.34 |                                                                                    |
| 2480             | -4.68     | 34%      | 3.36 |                                                                                    |