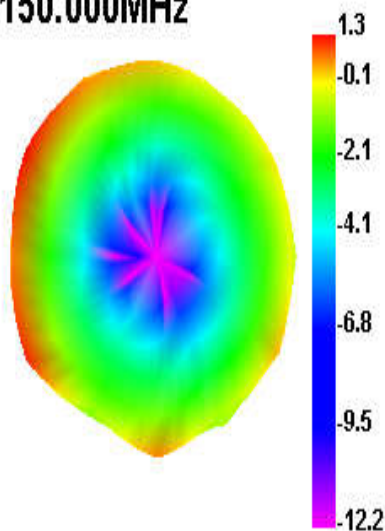


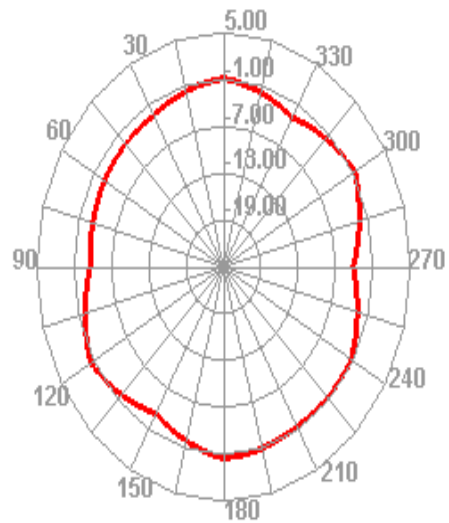
# 1: Darkroom test report

| Passive Test For 5150–5850 |             |              |               |            |             |             |             |                |                |
|----------------------------|-------------|--------------|---------------|------------|-------------|-------------|-------------|----------------|----------------|
| Freq<br>(MHz)              | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) | UHS<br>(%) | DHIS<br>(%) | Max<br>(dB) | Min<br>(dB) | Attenut<br>Hor | Attenut<br>Ver |
| 5150                       | 57.53       | -2.4         | 1.29          | 35.766     | 21.768      | 1.29        | -12.22      | 59.04          | 58.22          |
| 5220                       | 61.22       | -2.13        | 1.67          | 37.725     | 23.494      | 1.67        | -11.29      | 58.69          | 58.07          |
| 5290                       | 62.99       | -2.01        | 1.75          | 37.697     | 25.293      | 1.75        | -11.12      | 58.96          | 58.16          |
| 5360                       | 52.71       | -2.78        | 1.51          | 30.656     | 22.058      | 1.51        | -17.05      | 59.02          | 58.59          |
| 5430                       | 75.85       | -1.2         | 2.95          | 41.978     | 33.867      | 2.95        | -23.77      | 60.59          | 59.65          |
| 5500                       | 64.16       | -1.93        | 2.26          | 34.675     | 29.484      | 2.26        | -19.56      | 60.82          | 59.59          |
| 5570                       | 48.19       | -3.17        | 1.17          | 25.678     | 22.509      | 1.17        | -17.07      | 62.12          | 60.71          |
| 5640                       | 76.92       | -1.14        | 2.8           | 41.107     | 35.811      | 2.8         | -12.97      | 62.52          | 61.91          |
| 5710                       | 63.63       | -1.96        | 1.55          | 33.348     | 30.287      | 1.55        | -14.87      | 62.36          | 61.76          |
| 5780                       | 59.76       | -2.24        | 1.12          | 31.427     | 28.336      | 1.12        | -12.43      | 62.8           | 62.24          |
| 5850                       | 52.89       | -2.77        | 0.73          | 28.234     | 24.658      | 0.73        | -11.96      | 63.41          | 62.86          |

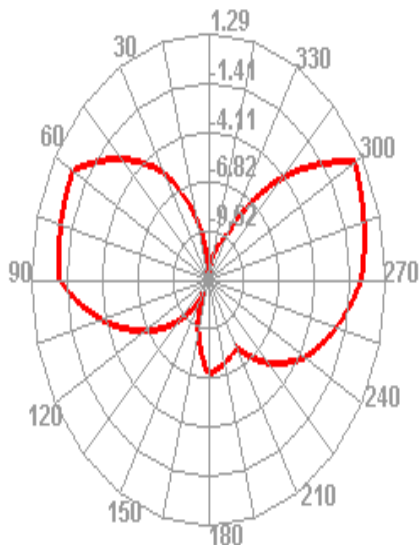
5150.000MHz



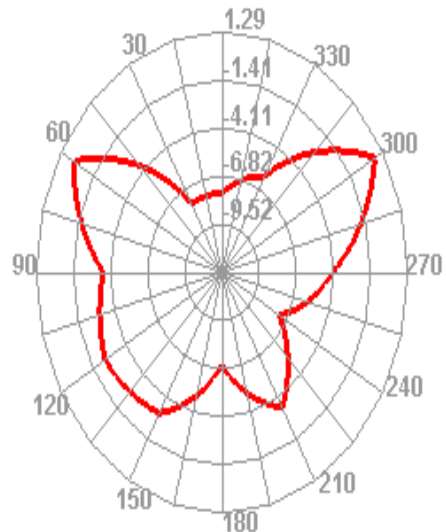
5150.000MHz H



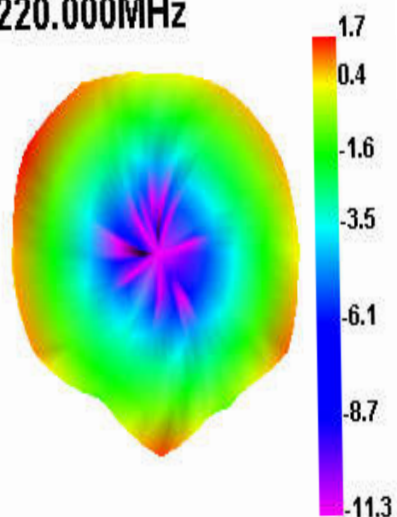
5150.000MHz E1



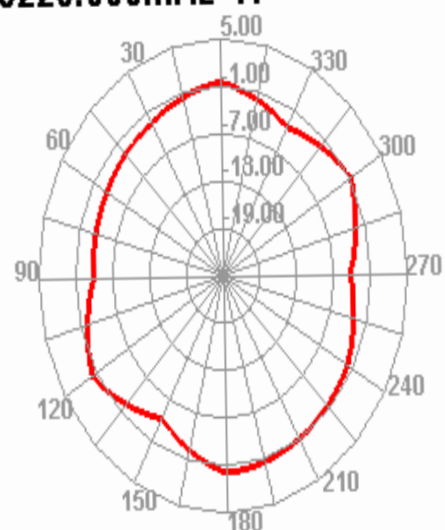
5150.000MHz E2



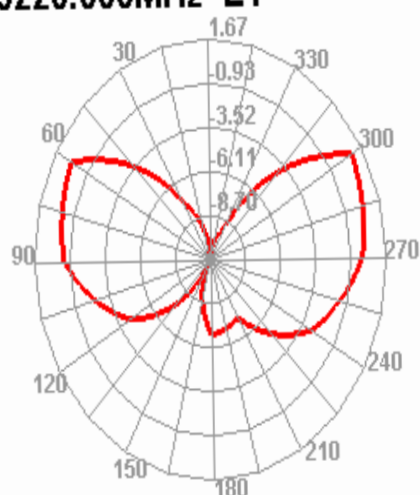
5220.000MHz



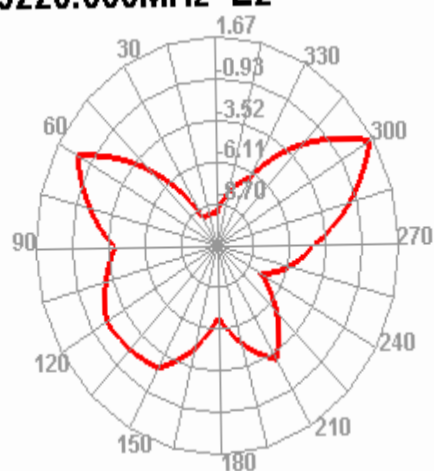
5220.000MHz H



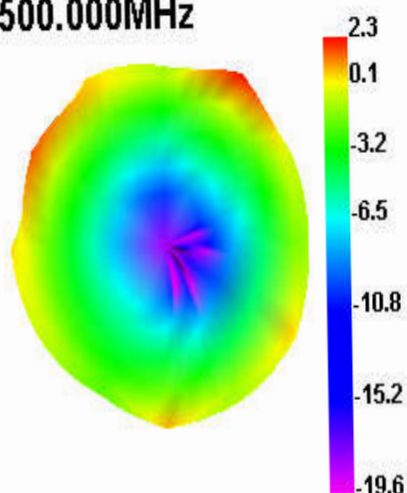
5220.000MHz E1



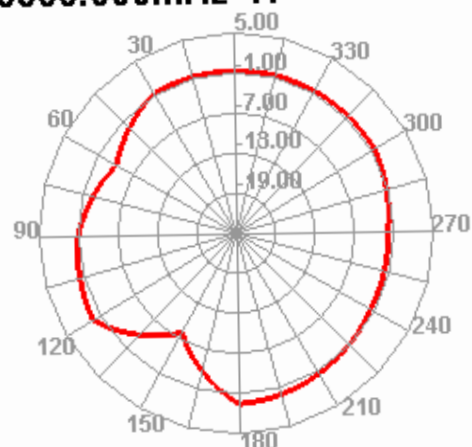
5220.000MHz E2



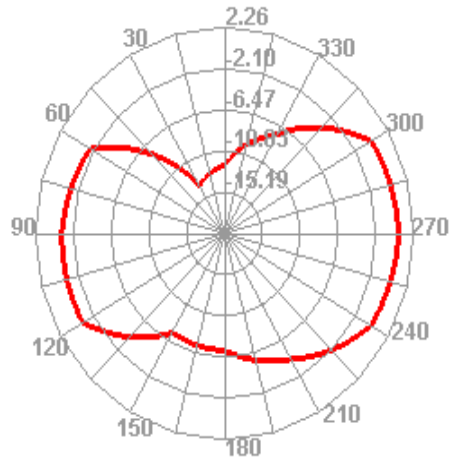
5500.000MHz



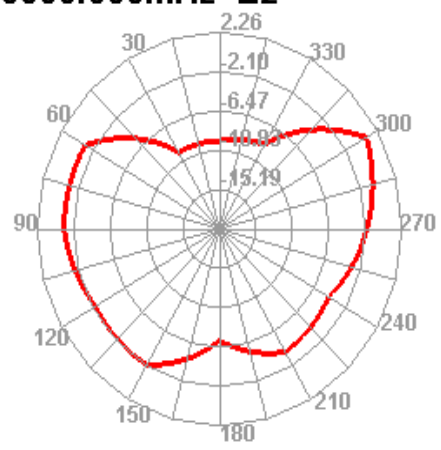
5500.000MHz H



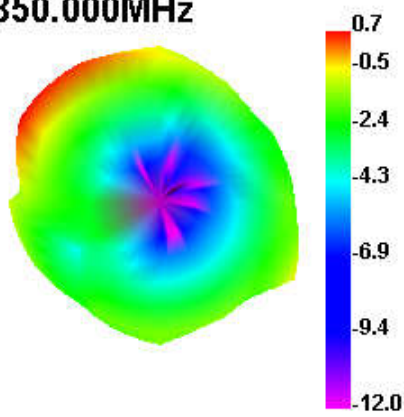
5500.000MHz E1



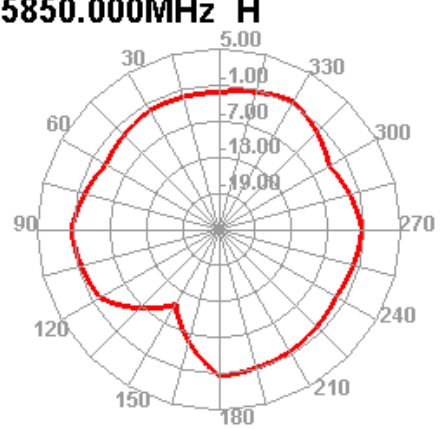
5500.000MHz E2



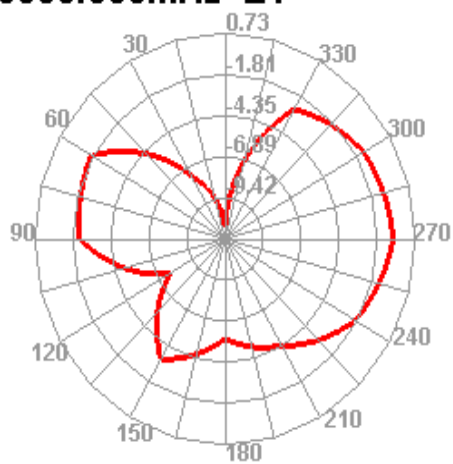
5850.000MHz



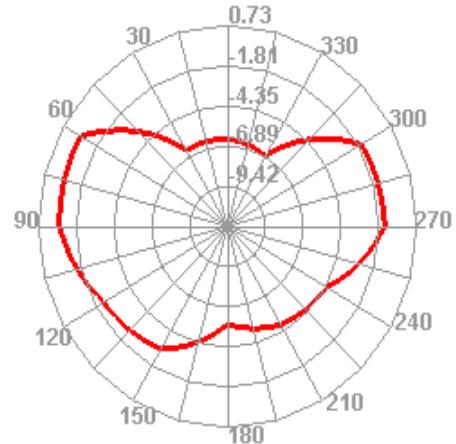
5850.000MHz H



5850.000MHz E1

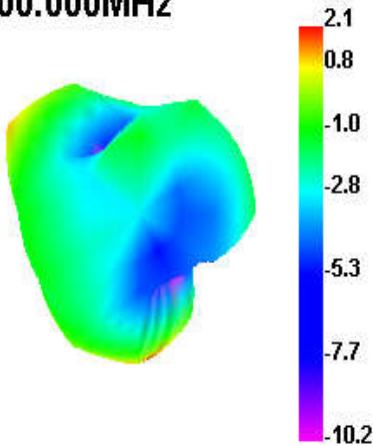


5850.000MHz E2

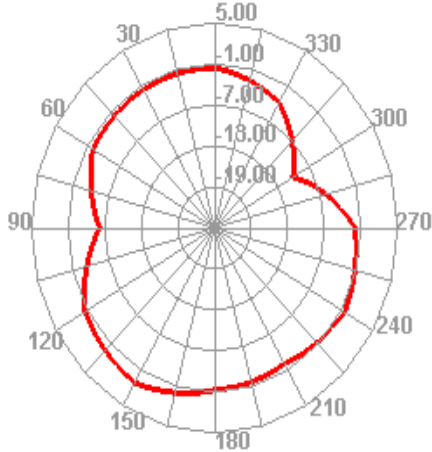


| Passive Test For 2400-2500 |             |              |               |            |             |             |             |                |                |
|----------------------------|-------------|--------------|---------------|------------|-------------|-------------|-------------|----------------|----------------|
| Freq<br>(MHz)              | Effi<br>(%) | Effi<br>(dB) | Gain<br>(dBi) | UHS<br>(%) | DHIS<br>(%) | Max<br>(dB) | Min<br>(dB) | Attenut<br>Hor | Attenut<br>Ver |
| 2400                       | 62.41       | -2.05        | 2.06          | 26.716     | 35.695      | 2.06        | -10.16      | 48.55          | 48.51          |
| 2410                       | 61.99       | -2.08        | 1.81          | 26.772     | 35.218      | 1.81        | -9.81       | 48.59          | 48.53          |
| 2420                       | 56.23       | -2.5         | 1.17          | 24.526     | 31.7        | 1.17        | -10.26      | 48.73          | 48.42          |
| 2430                       | 53.36       | -2.73        | 0.73          | 23.717     | 29.639      | 0.73        | -10.6       | 48.44          | 48.12          |
| 2440                       | 60.85       | -2.16        | 1.05          | 27.616     | 33.234      | 1.05        | -9.96       | 48.55          | 48.21          |
| 2450                       | 64.71       | -1.89        | 1.02          | 29.967     | 34.742      | 1.02        | -9.68       | 48.76          | 48.47          |
| 2460                       | 60.45       | -2.19        | 0.47          | 28.559     | 31.893      | 0.47        | -10.02      | 49.04          | 48.68          |
| 2470                       | 57.33       | -2.42        | 0.19          | 27.423     | 29.903      | 0.19        | -10.08      | 48.91          | 48.68          |
| 2480                       | 63.59       | -1.97        | 0.57          | 30.821     | 32.767      | 0.57        | -9.97       | 48.86          | 48.43          |
| 2490                       | 73.23       | -1.35        | 1.21          | 35.97      | 37.26       | 1.21        | -9.61       | 49.07          | 48.72          |
| 2500                       | 69.7        | -1.57        | 1.06          | 34.685     | 35.013      | 1.06        | -10.33      | 49.21          | 48.76          |

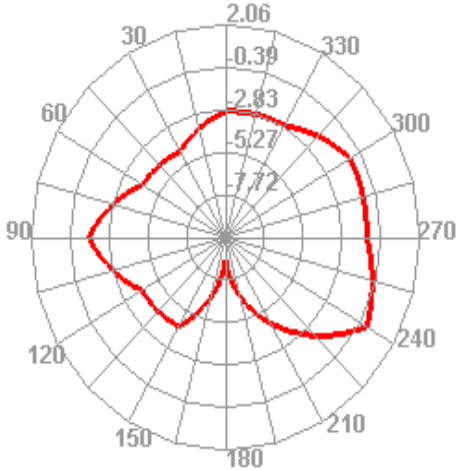
2400.000MHz



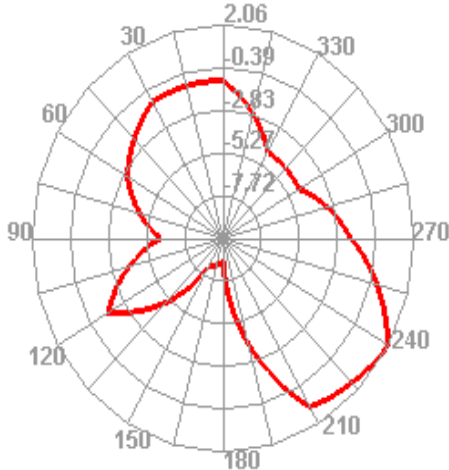
2400.000MHz H



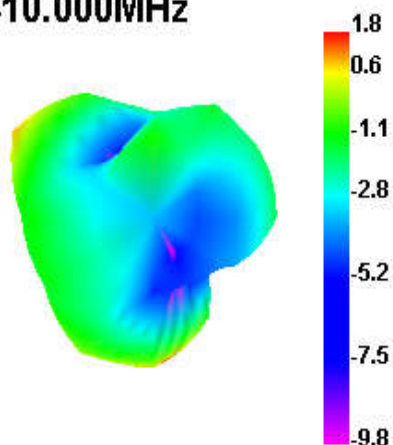
2400.000MHz E1



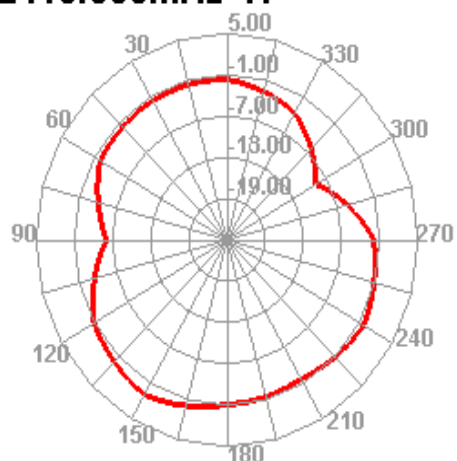
2400.000MHz E2



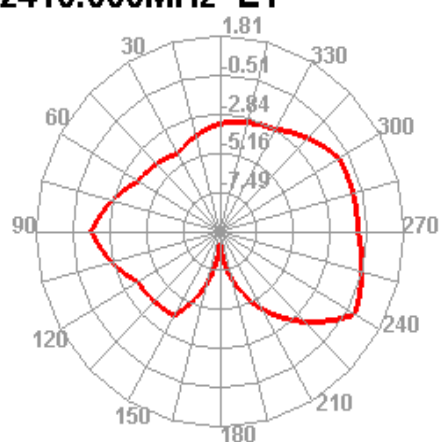
2410.000MHz



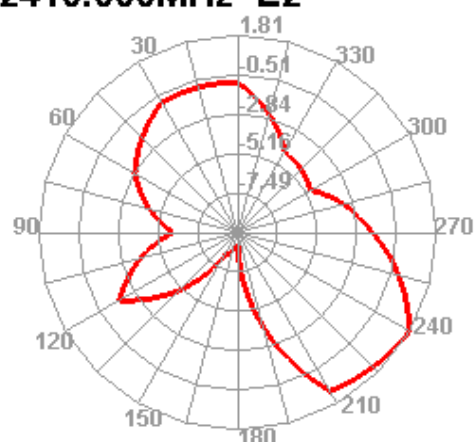
2410.000MHz H



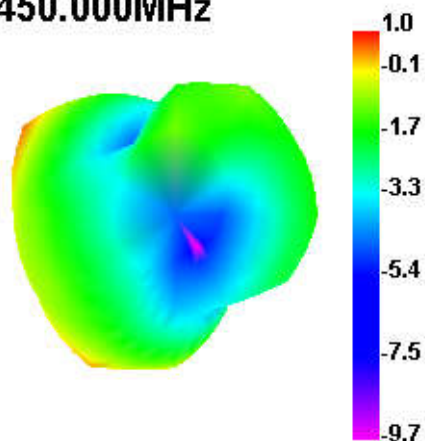
2410.000MHz E1



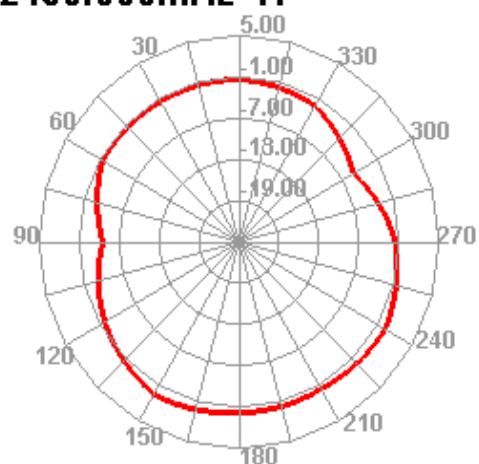
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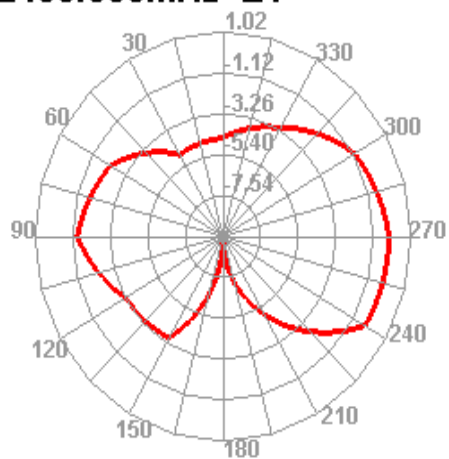
2450.000MHz



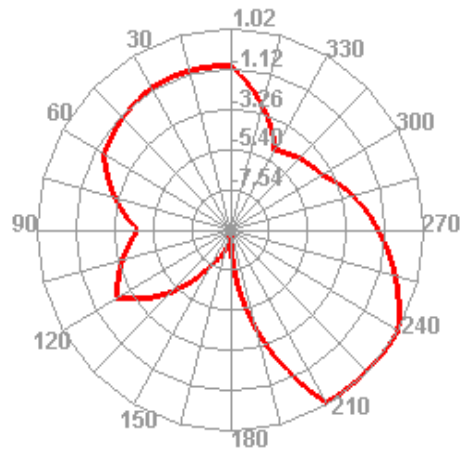
2450.000MHz H



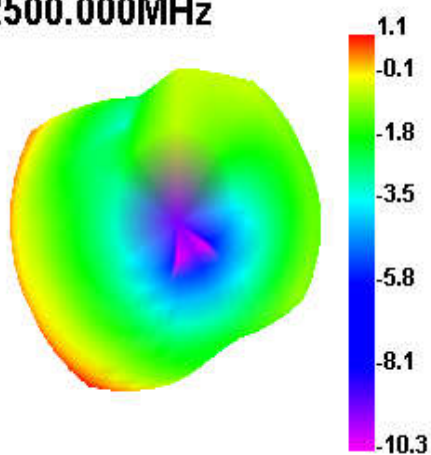
2450.000MHz E1



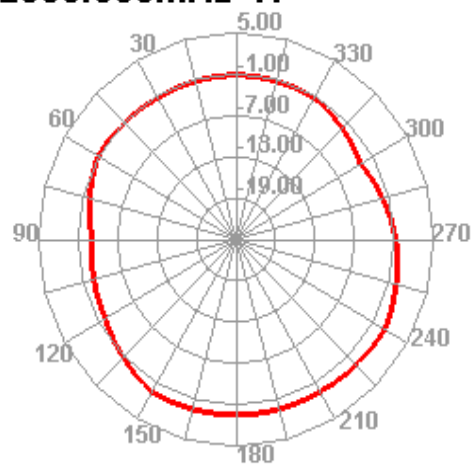
2450.000MHz E2



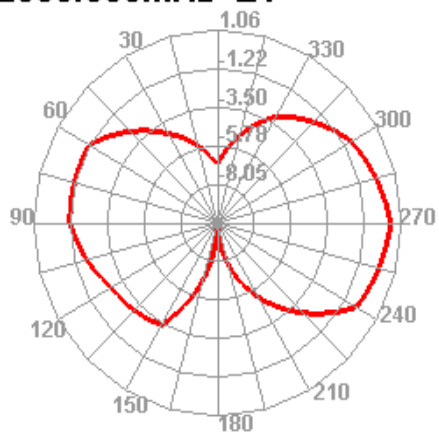
2500.000MHz



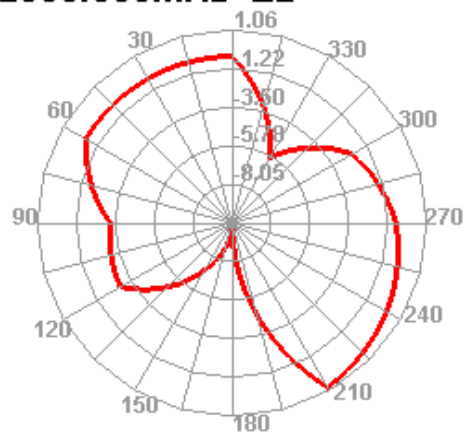
2500.000MHz H



2500.000MHz E1



2500.000MHz E2





## 2. Standing wave ratio, reflection return loss



3.Antenna size

