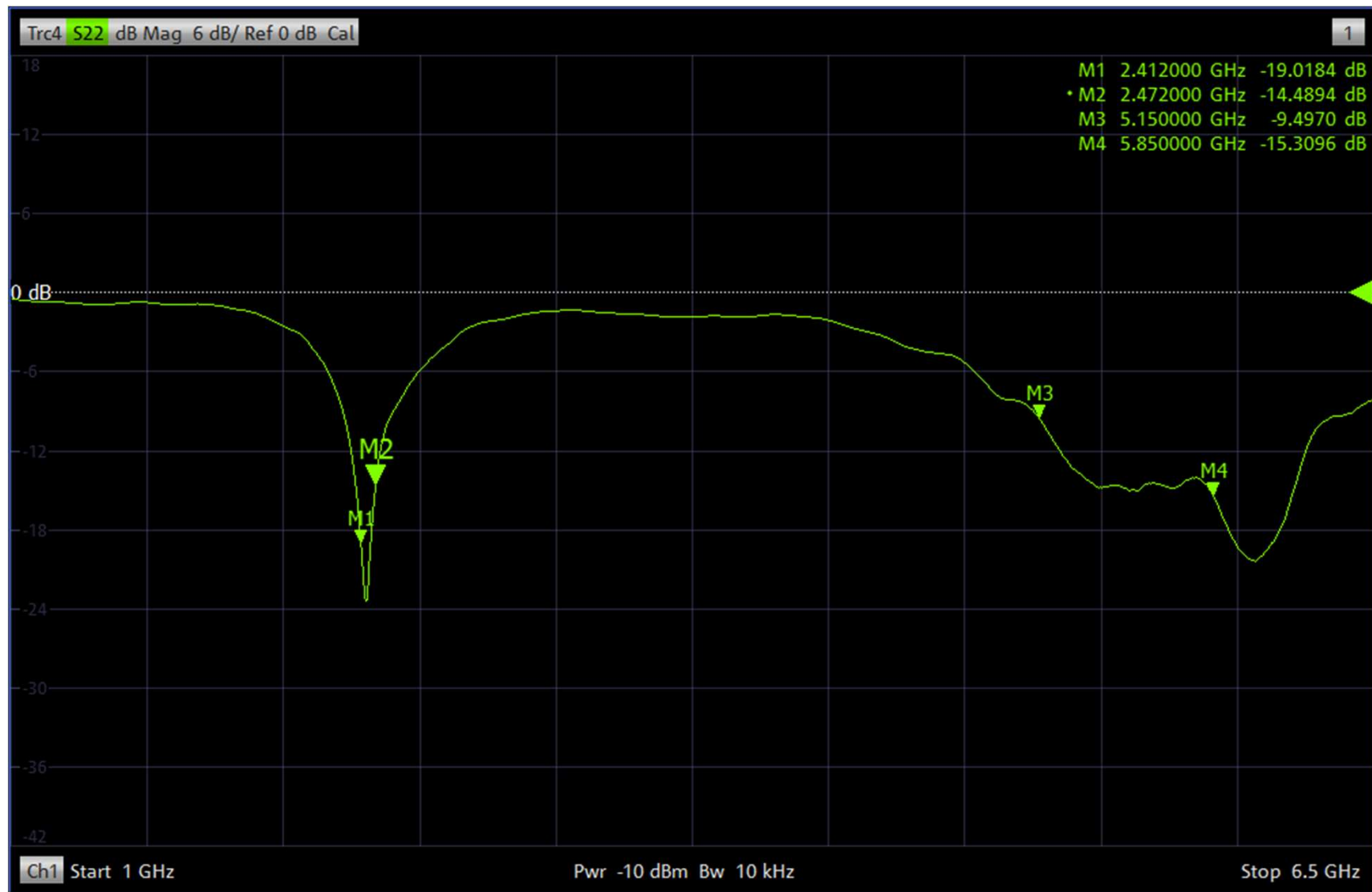


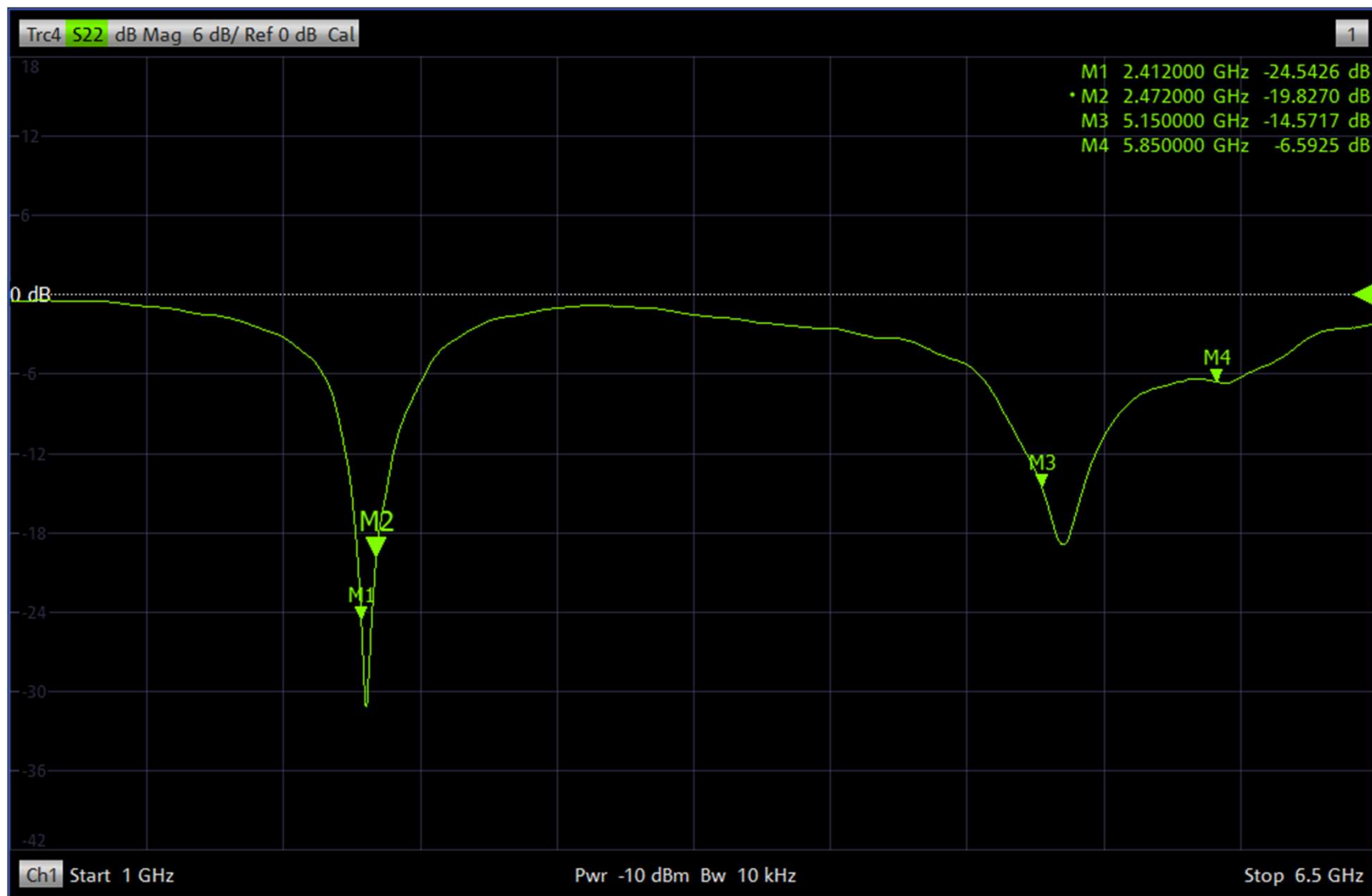
# 天线OTA无源测试

S11回损参数\_ANT0: 2.4GHz and 5GHz Bands



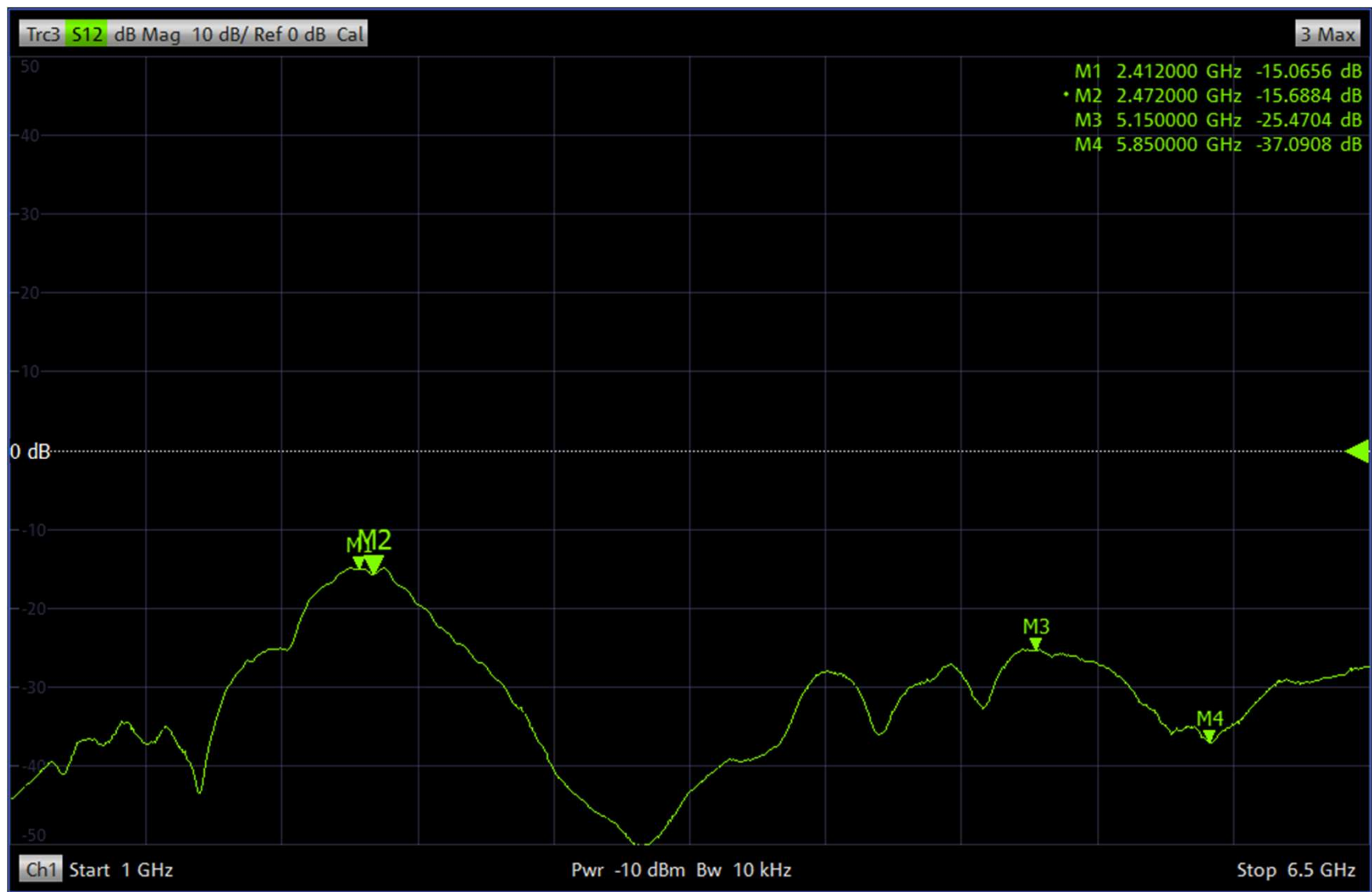
# 天线OTA无源测试

S11回损参数\_ANT0: 2.4GHz and 5GHz Bands



# 天线OTA无源测试

隔离度Isolation S12 or S21回损参数\_ANT0 & ANT1: 2.4GHz and 5GHz Bands



# 天线OTA无源参数对比（效率、增益、方向图）

效率、增益： 2.4GHz Band ANT0

| Point Values    | Ant. Port Input Pwr. (dBm) | Tot. Rad. Pwr. (dBm) | Peak EIRP (dBm) | Directivity (dBi) | Efficiency (dB) | Efficiency (%) | Gain (dBi) |
|-----------------|----------------------------|----------------------|-----------------|-------------------|-----------------|----------------|------------|
| Frequency [MHz] |                            |                      |                 |                   |                 |                |            |
| 2400            | 0                          | -2.69327             | 1.94148         | 4.63476           | -2.69327        | 53.7864        | 1.94148    |
| 2410            | 0                          | -2.61561             | 1.93843         | 4.55404           | -2.61561        | 54.7569        | 1.93843    |
| 2420            | 0                          | -2.70935             | 1.60925         | 4.3186            | -2.70935        | 53.5877        | 1.60925    |
| 2430            | 0                          | -2.74516             | 1.22867         | 3.97382           | -2.74516        | 53.1477        | 1.22867    |
| 2440            | 0                          | -2.76578             | 1.15158         | 3.91736           | -2.76578        | 52.8959        | 1.15158    |
| 2450            | 0                          | -2.797               | 1.07441         | 3.87141           | -2.797          | 52.517         | 1.07441    |
| 2460            | 0                          | -2.73079             | 1.30215         | 4.03294           | -2.73079        | 53.3237        | 1.30215    |
| 2470            | 0                          | -2.73238             | 1.81068         | 4.54306           | -2.73238        | 53.3043        | 1.81068    |
| 2480            | 0                          | -2.69293             | 2.02696         | 4.71989           | -2.69293        | 53.7907        | 2.02696    |
| 2490            | 0                          | -2.688               | 2.35329         | 5.04129           | -2.688          | 53.8517        | 2.35329    |

# 天线OTA无源参数对比（效率、增益、方向图）

| 效率、增益：5GHz Bands ANT0 |                            |                      |                 |                   |                 |                |            |
|-----------------------|----------------------------|----------------------|-----------------|-------------------|-----------------|----------------|------------|
| Point Values          | Ant. Port Input Pwr. (dBm) | Tot. Rad. Pwr. (dBm) | Peak EIRP (dBm) | Directivity (dBi) | Efficiency (dB) | Efficiency (%) | Gain (dBi) |
| Frequency (MHz)       |                            |                      |                 |                   |                 |                |            |
| 5000                  | 0                          | -2.64169             | 3.61933         | 6.26102           | -2.64169        | 54.4291        | 3.61933    |
| 5050                  | 0                          | -2.09213             | 4.00277         | 6.09491           | -2.09213        | 61.7713        | 4.00277    |
| 5100                  | 0                          | -2.06636             | 3.8102          | 5.87656           | -2.06636        | 62.139         | 3.8102     |
| 5150                  | 0                          | -2.37043             | 3.39393         | 5.76436           | -2.37043        | 57.9372        | 3.39393    |
| 5200                  | 0                          | -2.21457             | 3.52259         | 5.73716           | -2.21457        | 60.0541        | 3.52259    |
| 5250                  | 0                          | -1.65278             | 3.9811          | 5.63388           | -1.65278        | 68.3474        | 3.9811     |
| 5300                  | 0                          | -1.50479             | 4.33101         | 5.8358            | -1.50479        | 70.7165        | 4.33101    |
| 5350                  | 0                          | -1.21828             | 4.56157         | 5.77985           | -1.21828        | 75.5391        | 4.56157    |
| 5400                  | 0                          | -1.0094              | 5.00191         | 6.01131           | -1.0094         | 79.261         | 5.00191    |
| 5450                  | 0                          | -0.67006             | 5.11467         | 5.78473           | -0.67006        | 85.7026        | 5.11467    |
| 5500                  | 0                          | -0.569711            | 5.06482         | 5.63453           | -0.569711       | 87.7059        | 5.06482    |
| 5550                  | 0                          | -0.605597            | 5.07861         | 5.68421           | -0.605597       | 86.9842        | 5.07861    |
| 5600                  | 0                          | -0.293799            | 5.49645         | 5.79025           | -0.293799       | 93.4588        | 5.49645    |
| 5650                  | 0                          | -0.420287            | 5.46734         | 5.88763           | -0.420287       | 90.776         | 5.46734    |
| 5700                  | 0                          | -0.840678            | 5.33788         | 6.17856           | -0.840678       | 82.4009        | 5.33788    |
| 5750                  | 0                          | -1.21286             | 5.21751         | 6.43037           | -1.21286        | 75.6334        | 5.21751    |
| 5800                  | 0                          | -1.18981             | 5.38299         | 6.5728            | -1.18981        | 76.036         | 5.38299    |
| 5850                  | 0                          | -1.00164             | 5.80534         | 6.80698           | -1.00164        | 79.4028        | 5.80534    |
| 5900                  | 0                          | -1.30881             | 5.4216          | 6.73041           | -1.30881        | 73.9807        | 5.4216     |

# 天线OTA无源参数对比（效率、增益、方向图）

效率、增益：2.4GHz Band ANT1

| Point Values    | Ant. Port Input Pwr. (dBm) | Tot. Rad. Pwr. (dBm) | Peak EIRP (dBm) | Directivity (dBi) | Efficiency (dB) | Efficiency (%) | Gain (dBi) |
|-----------------|----------------------------|----------------------|-----------------|-------------------|-----------------|----------------|------------|
| Frequency (MHz) |                            |                      |                 |                   |                 |                |            |
| 2400            | 0                          | -2.48865             | 4.34557         | 6.83422           | -2.48865        | 56.3813        | 4.34557    |
| 2410            | 0                          | -2.42178             | 4.27912         | 6.7009            | -2.42178        | 57.2562        | 4.27912    |
| 2420            | 0                          | -2.39941             | 4.3508          | 6.7502            | -2.39941        | 57.5518        | 4.3508     |
| 2430            | 0                          | -2.30645             | 4.38367         | 6.69013           | -2.30645        | 58.7969        | 4.38367    |
| 2440            | 0                          | -2.19739             | 4.62513         | 6.82252           | -2.19739        | 60.2922        | 4.62513    |
| 2450            | 0                          | -2.1688              | 4.67342         | 6.84222           | -2.1688         | 60.6904        | 4.67342    |
| 2460            | 0                          | -2.10454             | 4.77275         | 6.8773            | -2.10454        | 61.595         | 4.77275    |
| 2470            | 0                          | -2.10109             | 4.83372         | 6.93481           | -2.10109        | 61.644         | 4.83372    |
| 2480            | 0                          | -2.12974             | 4.79969         | 6.92943           | -2.12974        | 61.2387        | 4.79969    |
| 2490            | 0                          | -2.17376             | 4.70949         | 6.88325           | -2.17376        | 60.6211        | 4.70949    |
| 2500            | 0                          | -2.21869             | 4.56778         | 6.78646           | -2.21869        | 59.9973        | 4.56778    |

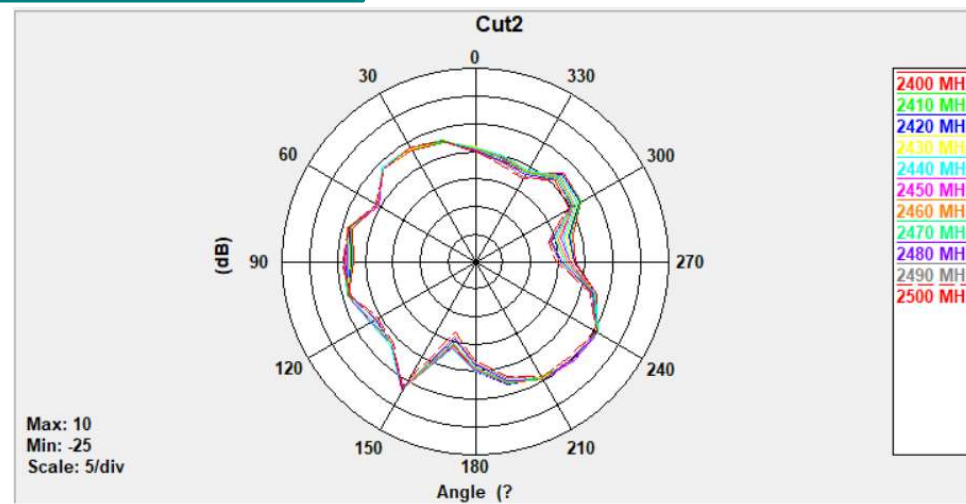
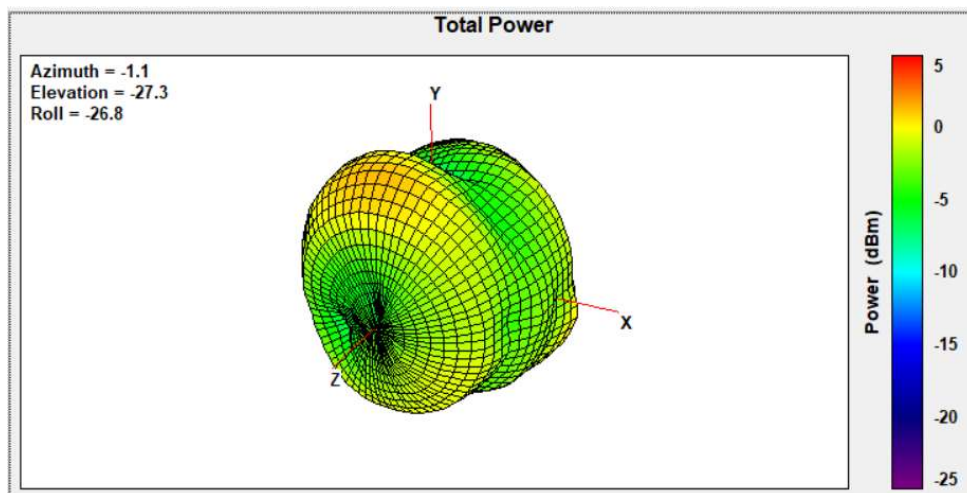
# 天线OTA无源参数对比（效率、增益、方向图）

效率、增益：5GHz Bands ANT1

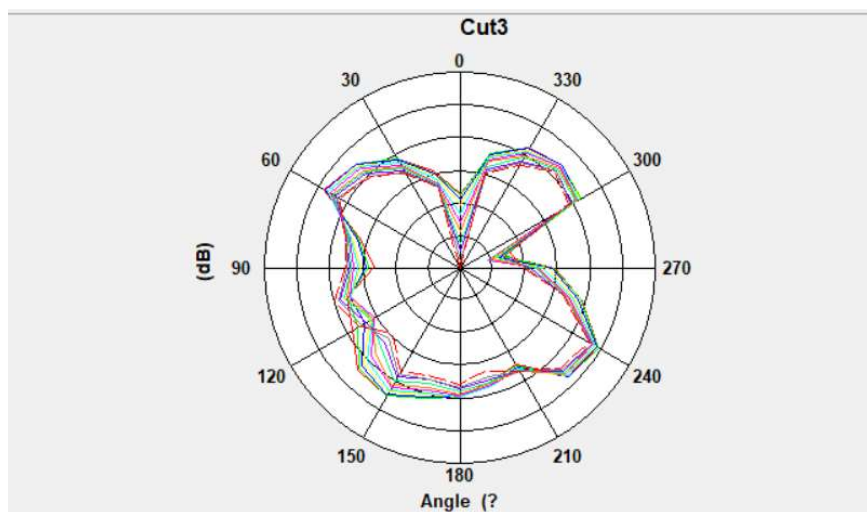
| Point Values    | Ant. Port Input Pwr. (dBm) | Tot. Rad. Pwr. (dBm) | Peak EIRP (dBm) | Directivity (dBi) | Efficiency (dB) | Efficiency (%) | Gain (dBi) |
|-----------------|----------------------------|----------------------|-----------------|-------------------|-----------------|----------------|------------|
| Frequency (MHz) |                            |                      |                 |                   |                 |                |            |
| 5000            | 0                          | -2.57879             | 3.11085         | 5.68964           | -2.57879        | 55.2231        | 3.11085    |
| 5050            | 0                          | -2.00309             | 3.8253          | 5.82839           | -2.00309        | 63.0509        | 3.8253     |
| 5100            | 0                          | -2.06962             | 3.41106         | 5.48068           | -2.06962        | 62.0924        | 3.41106    |
| 5150            | 0                          | -2.49035             | 2.92005         | 5.4104            | -2.49035        | 56.3593        | 2.92005    |
| 5200            | 0                          | -2.46185             | 3.2306          | 5.69246           | -2.46185        | 56.7303        | 3.2306     |
| 5250            | 0                          | -2.07385             | 3.76621         | 5.84006           | -2.07385        | 62.0319        | 3.76621    |
| 5300            | 0                          | -2.09615             | 3.9249          | 6.02105           | -2.09615        | 61.7142        | 3.9249     |
| 5350            | 0                          | -1.97335             | 4.06707         | 6.04043           | -1.97335        | 63.484         | 4.06707    |
| 5400            | 0                          | -1.88124             | 4.33178         | 6.21302           | -1.88124        | 64.8449        | 4.33178    |
| 5450            | 0                          | -1.71942             | 4.38197         | 6.10139           | -1.71942        | 67.3066        | 4.38197    |
| 5500            | 0                          | -1.89078             | 4.14737         | 6.03815           | -1.89078        | 64.7026        | 4.14737    |
| 5550            | 0                          | -2.34336             | 3.59149         | 5.93485           | -2.34336        | 58.2994        | 3.59149    |
| 5600            | 0                          | -2.43774             | 3.21185         | 5.64959           | -2.43774        | 57.0461        | 3.21185    |
| 5650            | 0                          | -2.9255              | 2.60396         | 5.52945           | -2.9255         | 50.9859        | 2.60396    |
| 5700            | 0                          | -3.66366             | 2.36763         | 6.03129           | -3.66366        | 43.0164        | 2.36763    |
| 5750            | 0                          | -4.18255             | 2.21245         | 6.395             | -4.18255        | 38.172         | 2.21245    |
| 5800            | 0                          | -4.19256             | 2.44362         | 6.63618           | -4.19256        | 38.0841        | 2.44362    |
| 5850            | 0                          | -4.12293             | 2.63281         | 6.75574           | -4.12293        | 38.6996        | 2.63281    |
| 5900            | 0                          | -4.54717             | 2.29816         | 6.84533           | -4.54717        | 35.098         | 2.29816    |

# 天线OTA无源参数对比 (效率、增益、方向图)

方向图： 2.4GHz Band ANT0

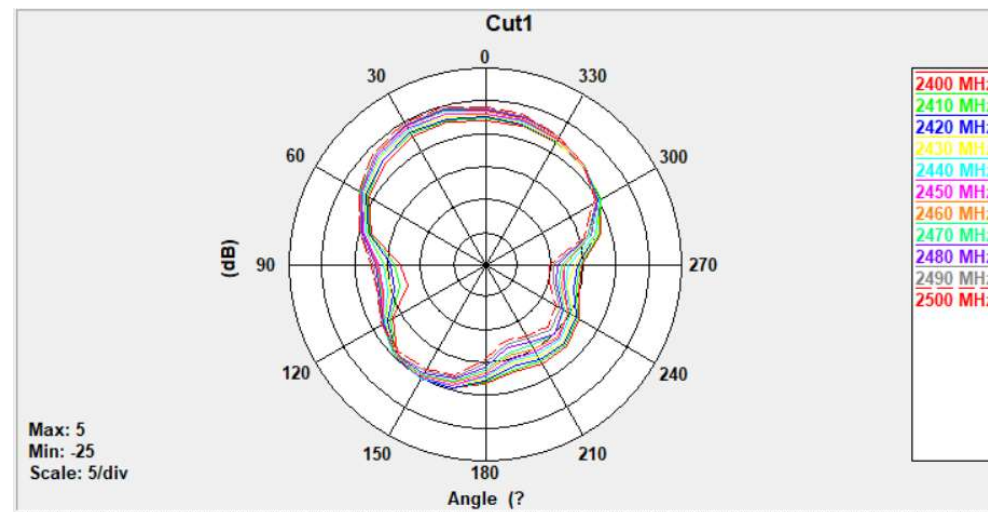


3D



E2

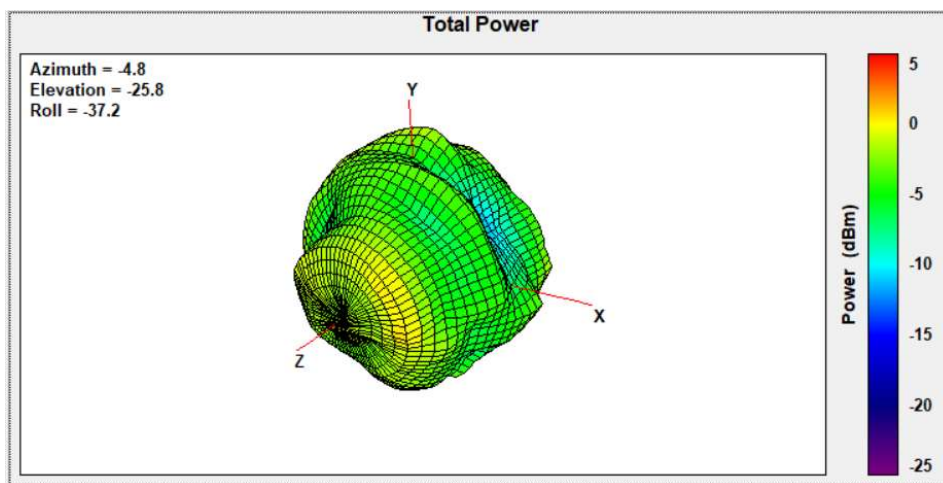
E1



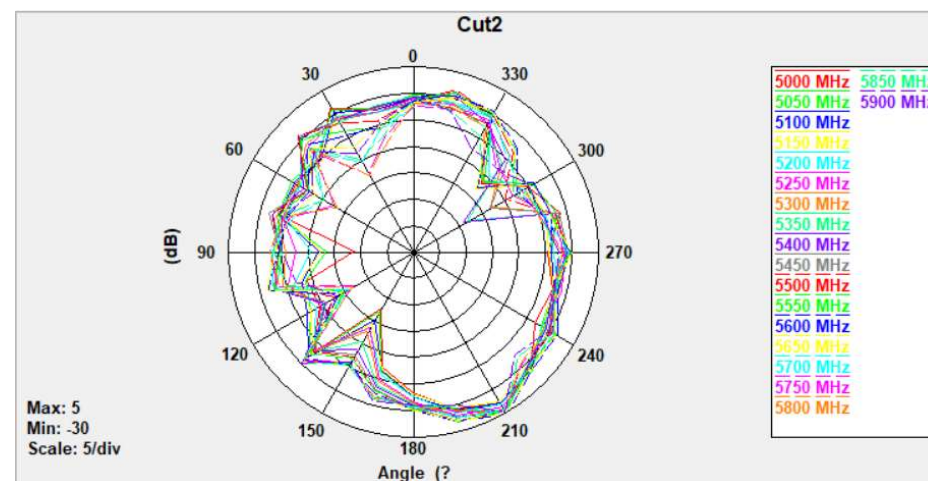
H

# 天线OTA无源参数对比 (效率、增益、方向图)

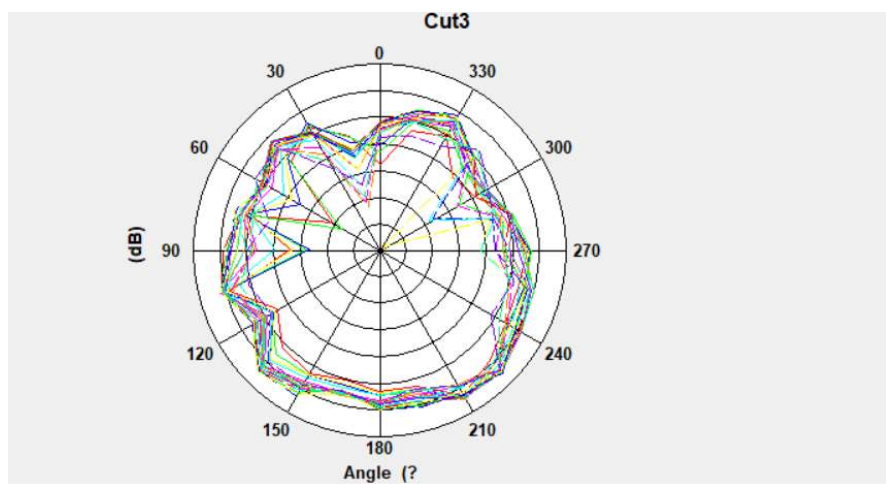
方向图： 5GHz Bands ANT0



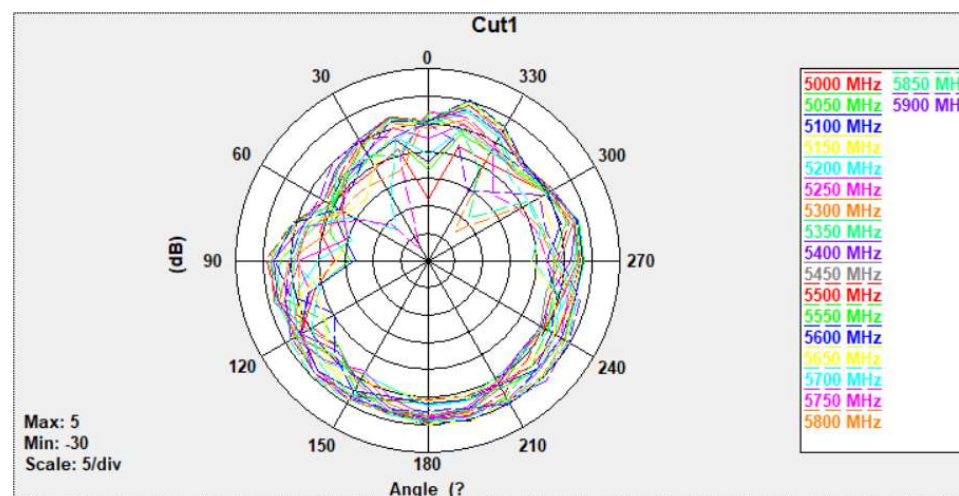
3D



E1



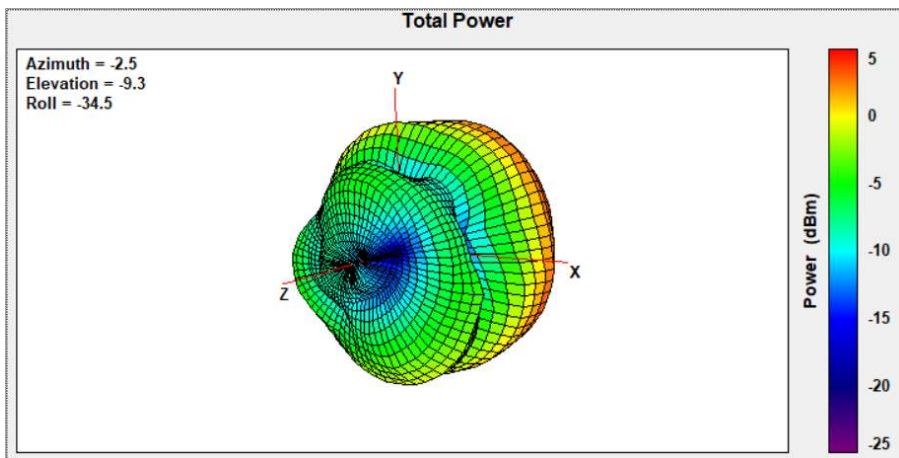
E2



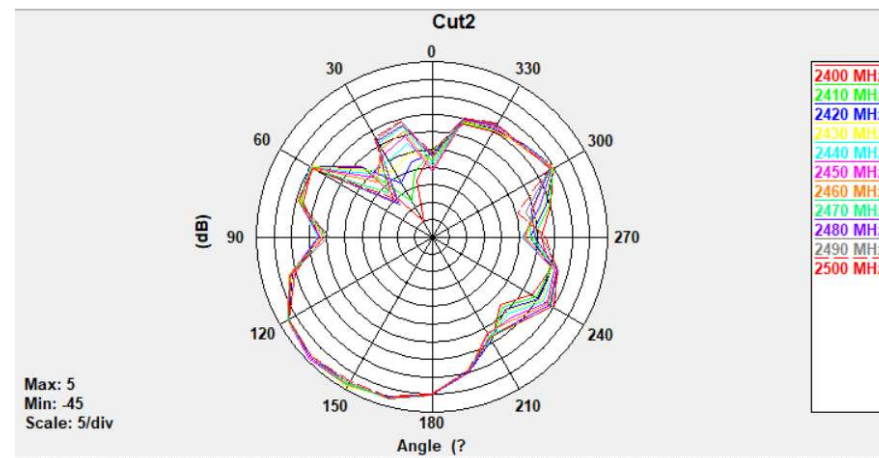
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# 天线OTA无源参数对比（效率、增益、方向图）

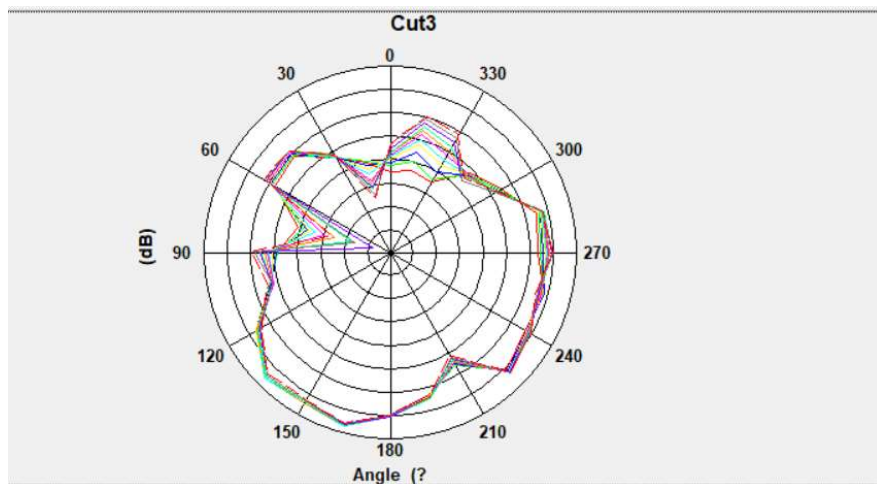
方向图： 2.4GHz Band ANT1



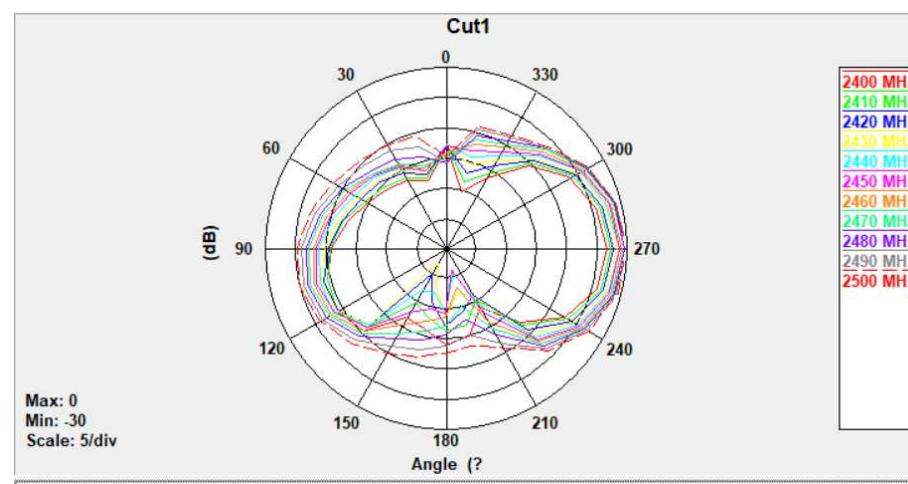
3D



E1



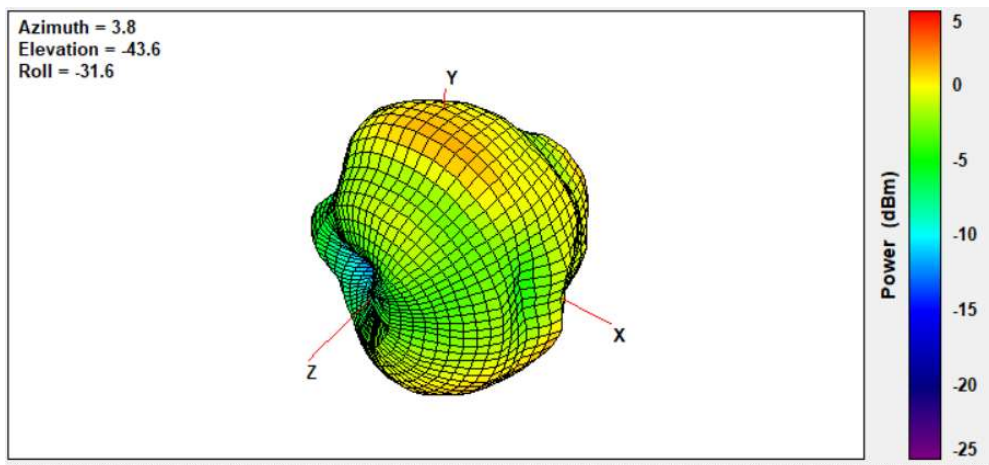
E2



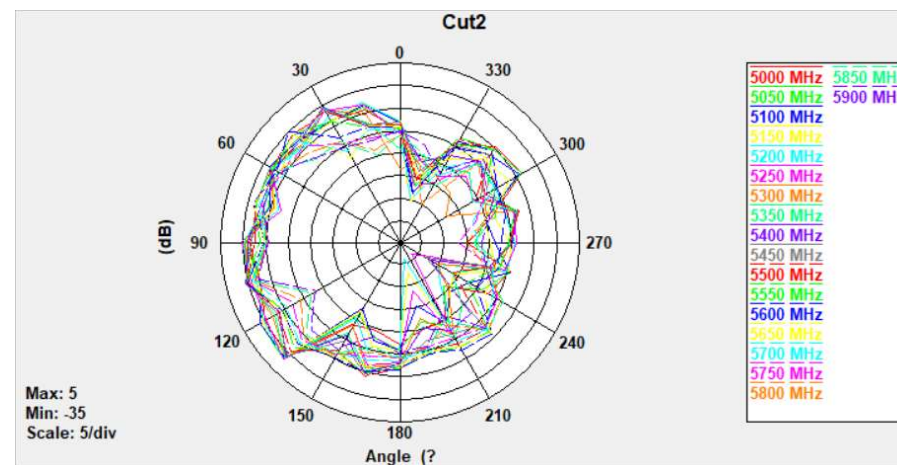
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# 天线OTA无源参数对比 (效率、增益、方向图)

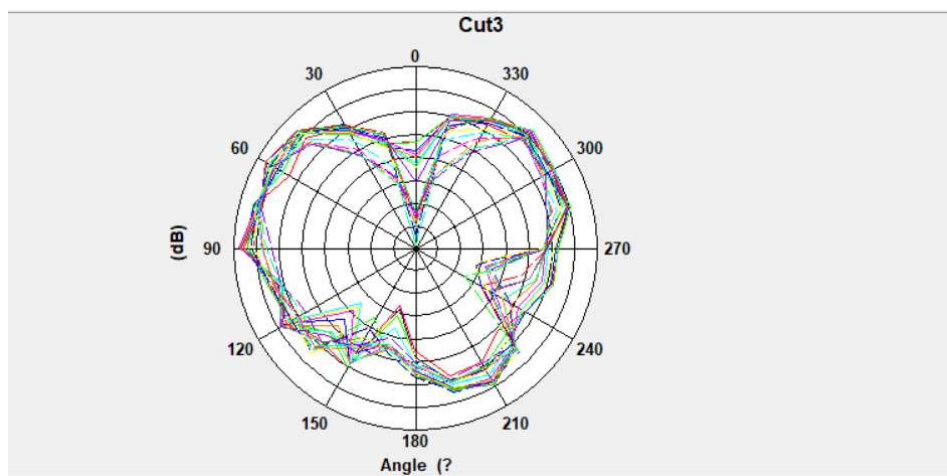
方向图： 2.4GHz Bands ANT1



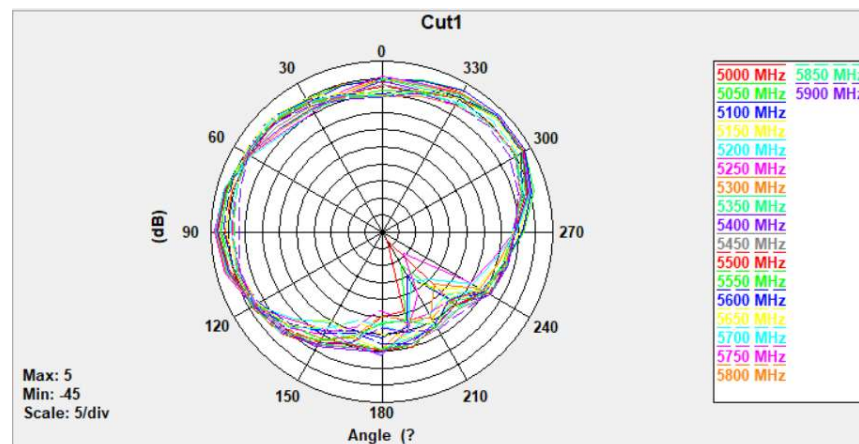
3D



E1



E2



H