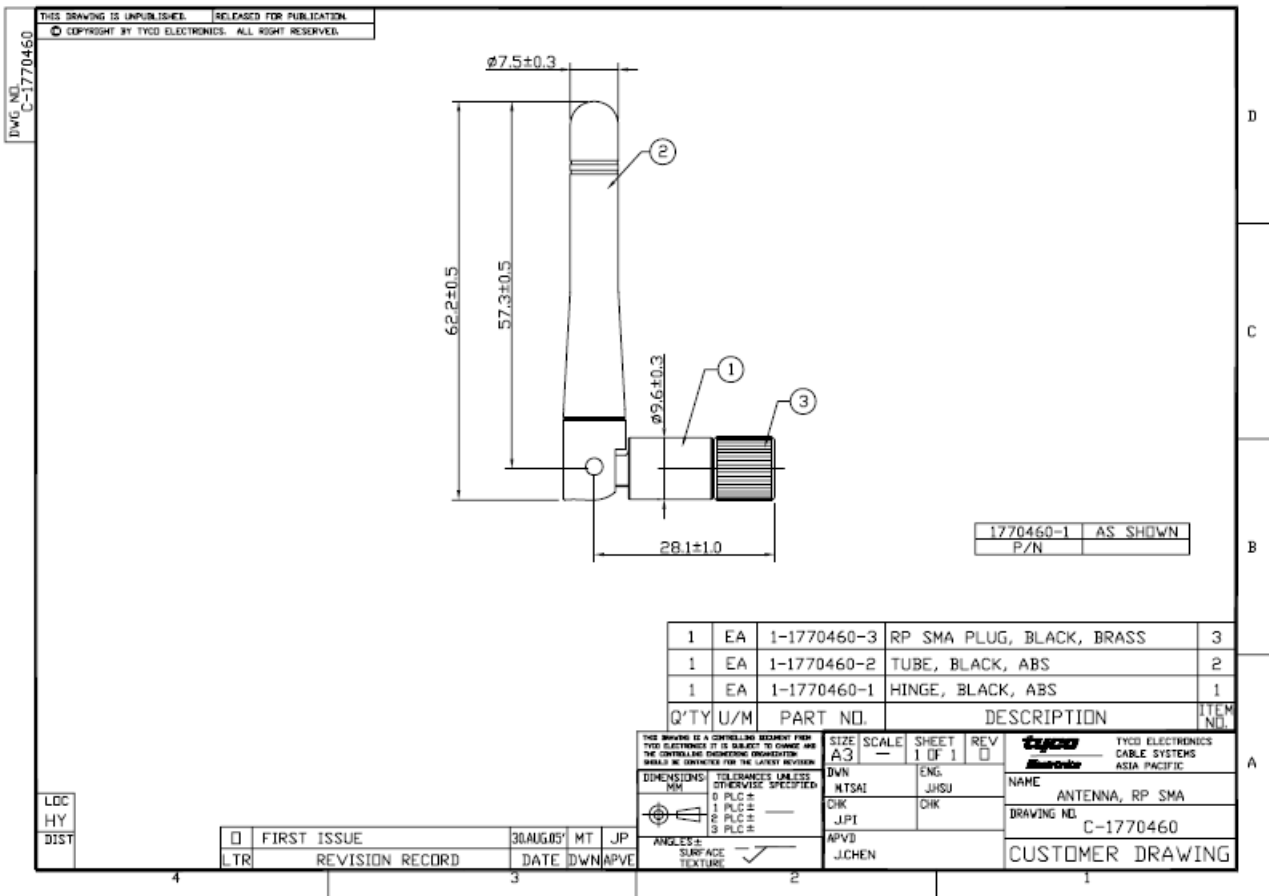




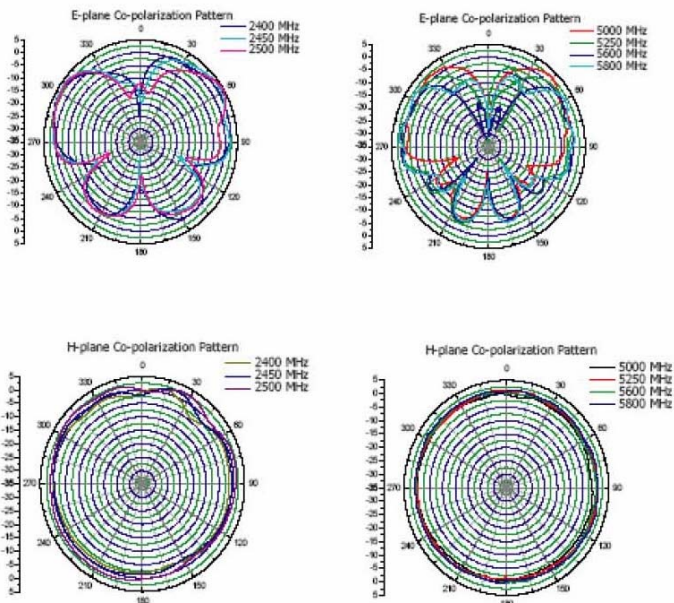
Product Spec.

Customer Name	BenQ Corporation		
Date	2005/08/29		
Customer P/N			
Tyco P/N	1770460-1		
Description	802.11 A+B+G WLAN Dipole Antenna		
Version	0A	Doc. Version	1

1. Outline drawing of antenna



2. Test Report



3. Electrical Properties

Frequency Range: 2.4~2.4835GHz; 5.15~5.35GHz

Impedance: 50ohms (typical)

VSWR: $VSWR \leq 2.0$ (2.4~2.4835GHz)

$VSWR \leq 2.5$ (5.15~5.35GHz)

Gain: 2.0 dBi (typical)

Radiation: Omni

Polarization: Linear, Vertical

4. Mechanical Properties

Connector: Reverse SMA

Antenna Cove: Polyurethane

Swivel Mechanism: Polycarbonate

Color: Black/Gray

Operating Temperature: $-20^{\circ}\text{C} \sim +65^{\circ}\text{C}$

Storage Temperature: $-30^{\circ}\text{C} \sim +75^{\circ}\text{C}$

tyco / Electronics

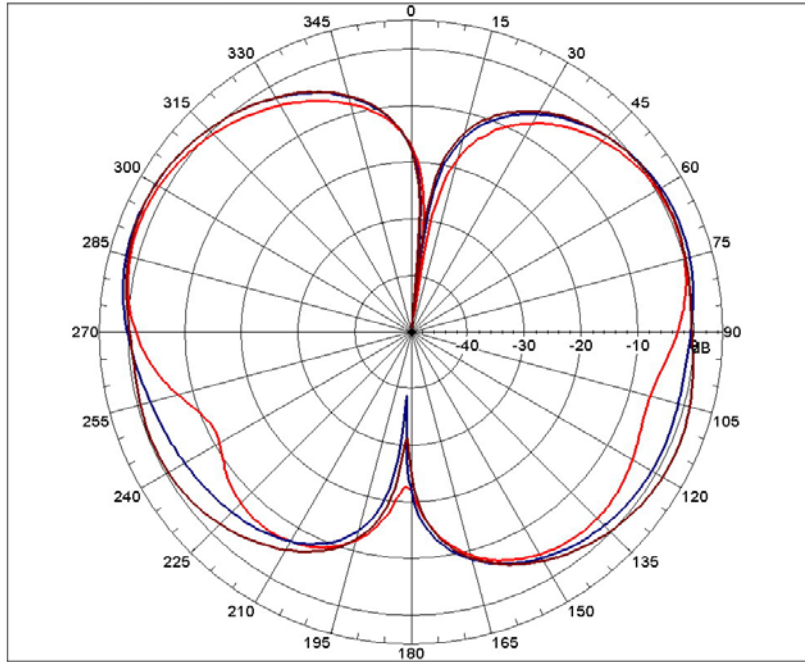
BLACK

Far-field amplitude of 2.4-2.5 diople-h1104

2.4GHz Gain = 1.66dBi

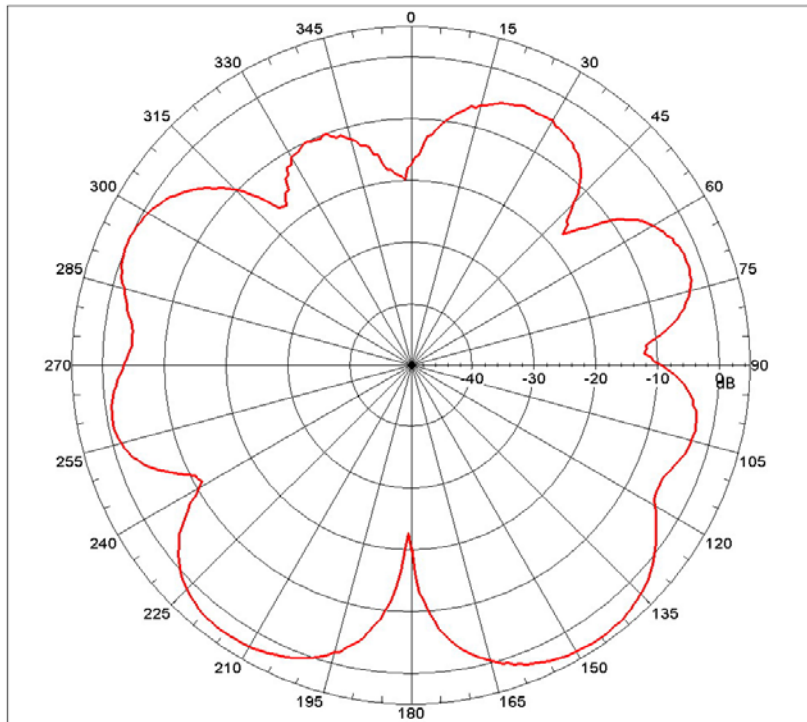
2.45GHz Gain = 2.30 dBi

2.5GHz Gain = 2.17 dBi



Far-field amplitude of 4.9G diople-h1 104

4.9GHz Gain = 3.72 dBi

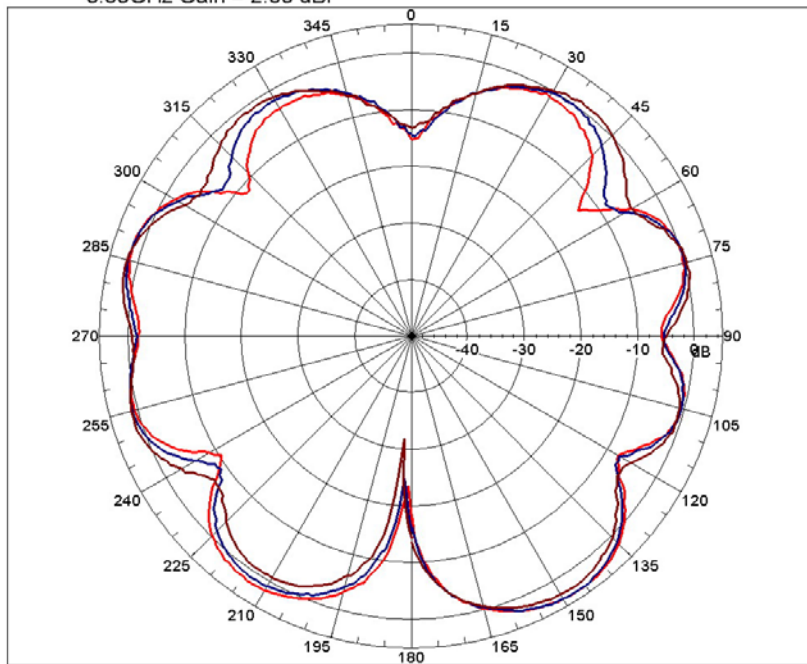


Far-field amplitude of 5.15-5.35G diople-h1 104

5.15GHz Gain = 3.64dBi

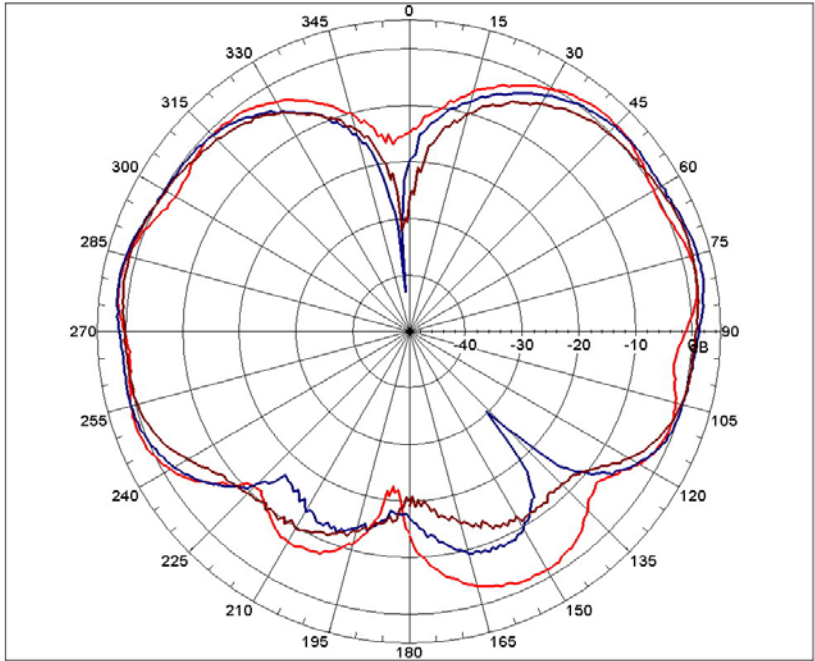
5.25GHz Gain = 3.59 dBi

5.35GHz Gain = 2.60 dBi



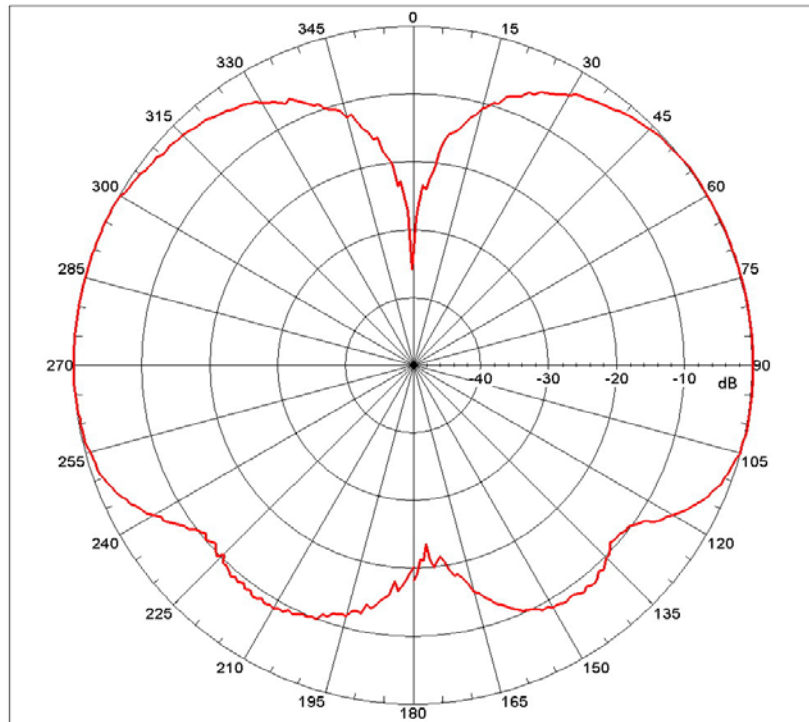
Far-field amplitude of 5.47-5.725diople-h1 104

5.47GHz Gain = 1.86 dBi
5.60GHz Gain = 2.69 dBi
5.725GHz Gain = 1.75 dBi



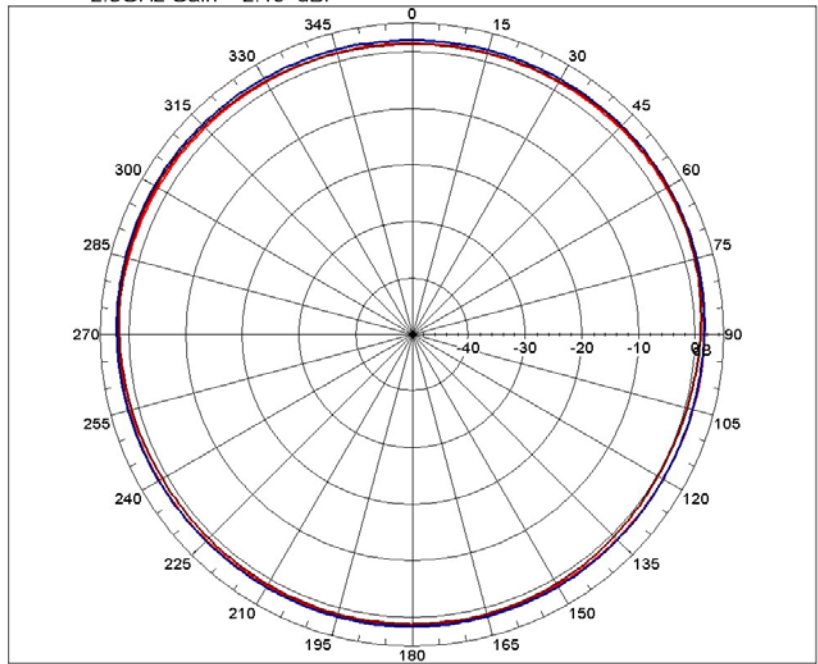
Far-field amplitude of 5.85G diople-h1 104

5.85GHz Gain = 2.06dBi



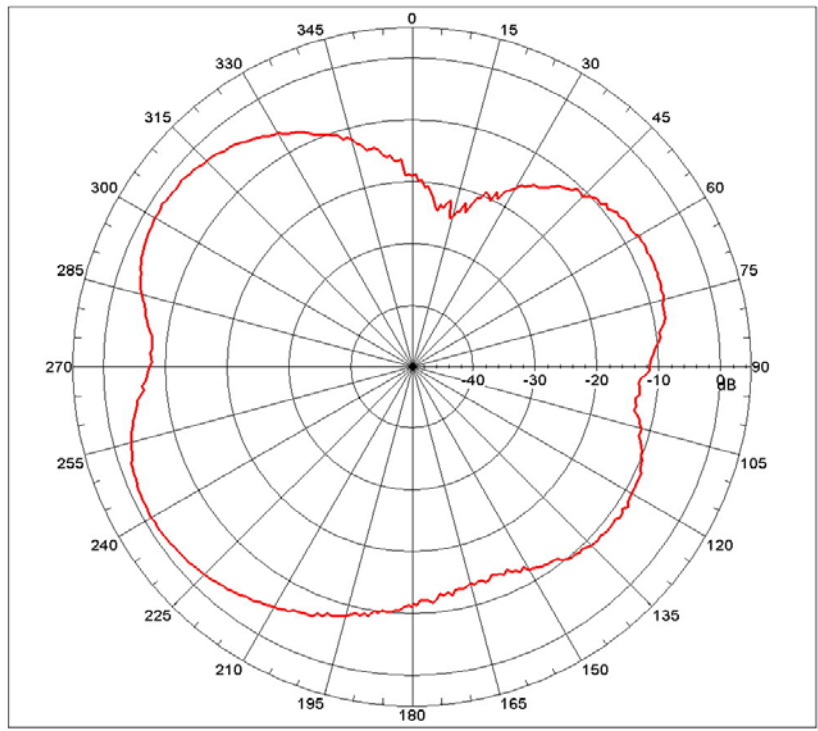
Far-field amplitude of 2-5 diople-v1104

2.4GHz Gain = 1.88 dBi 2.45GHz Gain = 2.49 dBi
2.5GHz Gain = 2.19 dBi



Far-field amplitude of 4.9G diople-v1104

4.9GHz Gain = -1.12 dBi

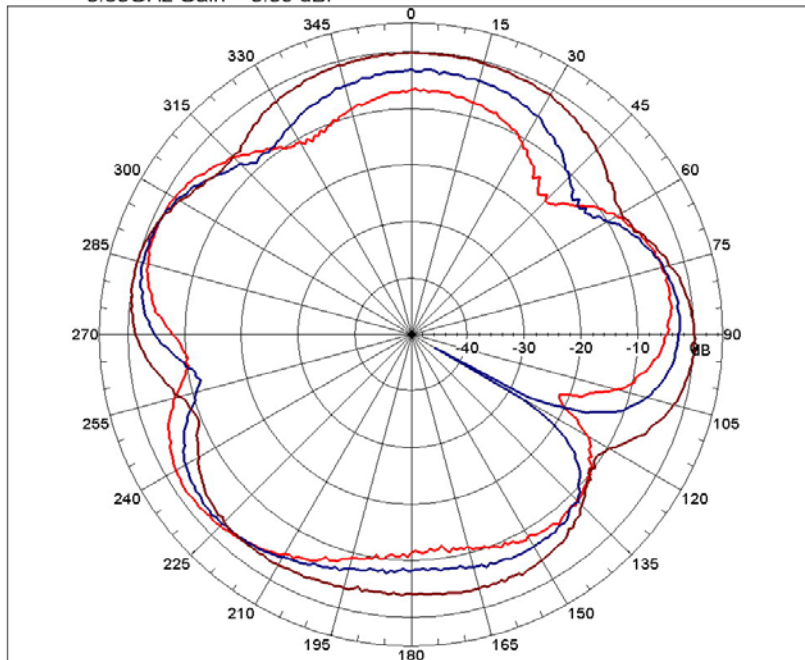


Far-field amplitude of 5.15-5.35G diople-v1104

5.15GHz Gain = -1.28 dBi

5.25GHz Gain = -0.91 dBi

5.35GHz Gain = 0.09 dBi

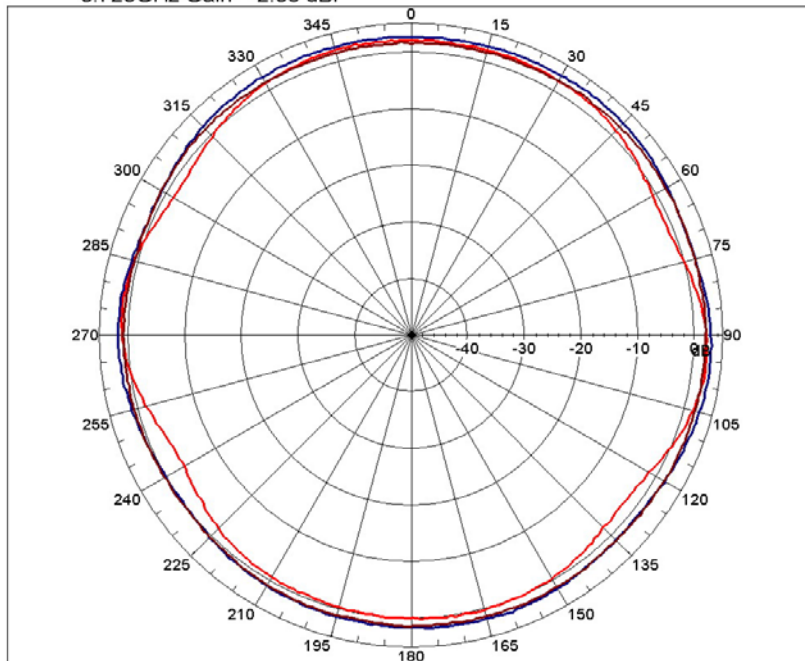


Far-field amplitude of 5.47-5.725G diople-v1104

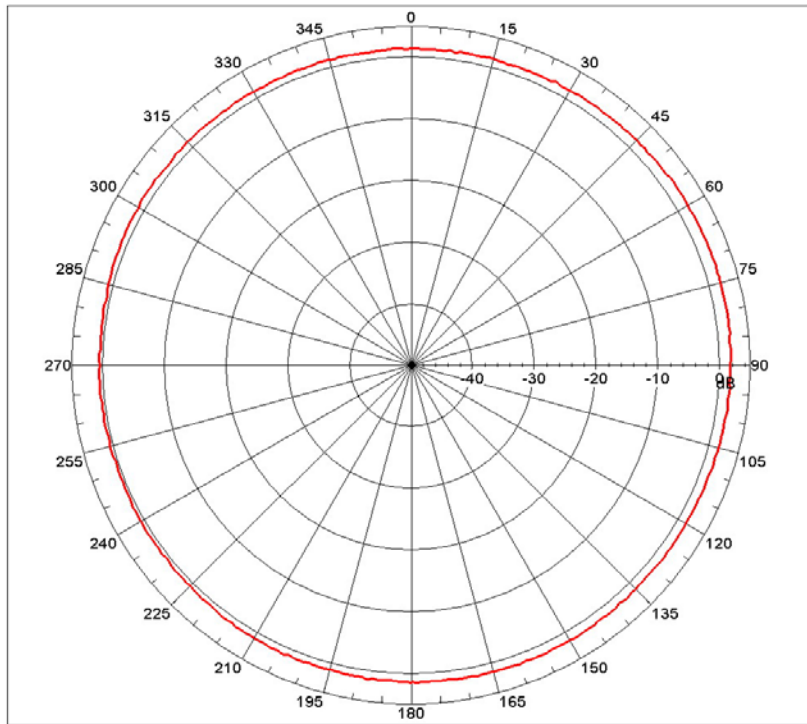
5.47GHz Gain = 2.17 dBi

5.60GHz Gain = 3.07dBi

5.725GHz Gain = 2.08 dBi



Far-field amplitude of 5.85G diople-v1104.nsi
5.85GHz Gain = 1.95 dBi



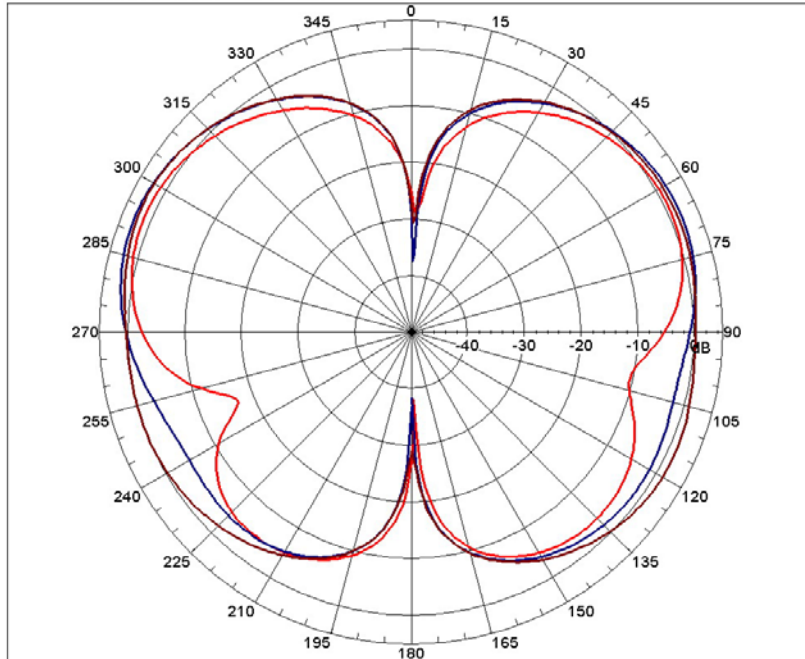
WHITE

Far-field amplitude of 2.4-2.5G diople-h1 104(w)

2.4GHz Gain = 1.24 dBi

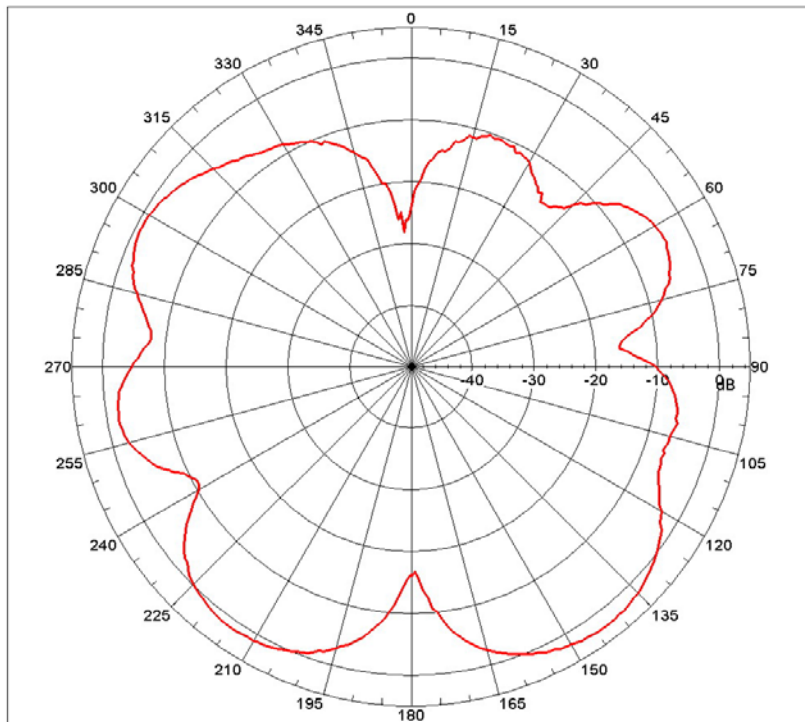
2.45GHz Gain = 2.80 dBi

2.5GHz Gain = 2.41 dBi



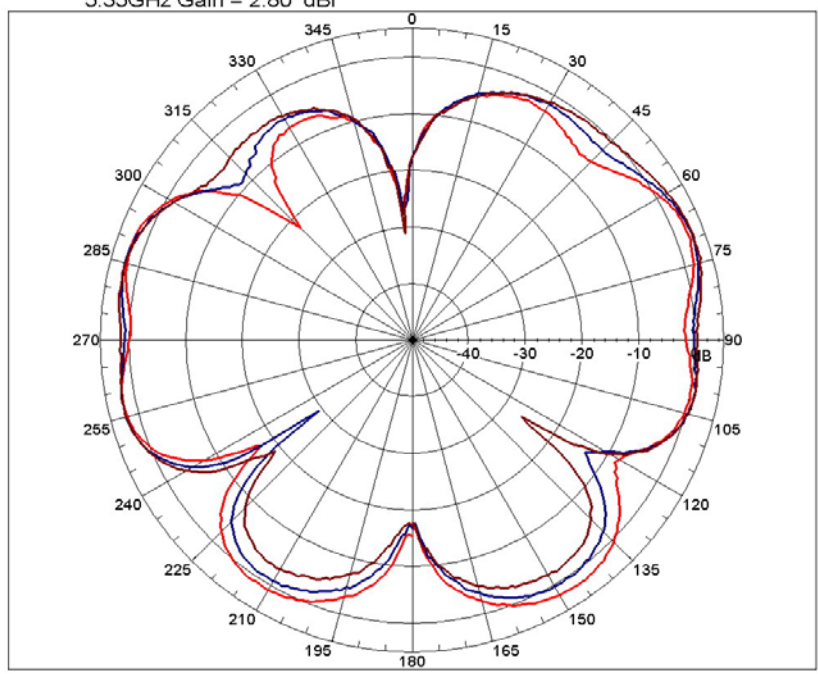
Far-field amplitude of 4.9G diople-h1 104(w)

4.9GHz Gain = 2.48 dBi



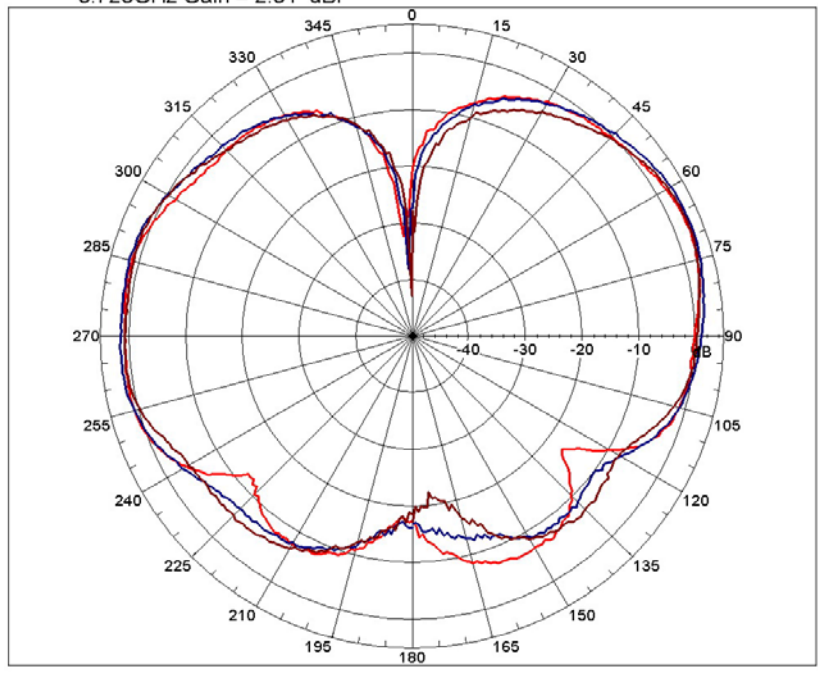
Far-field amplitude of 5.15-5.35G diople-h1104(w)

5.15GHz Gain = 2.32 dBi 5.25GHz Gain = 2.68 dBi
5.35GHz Gain = 2.80 dBi

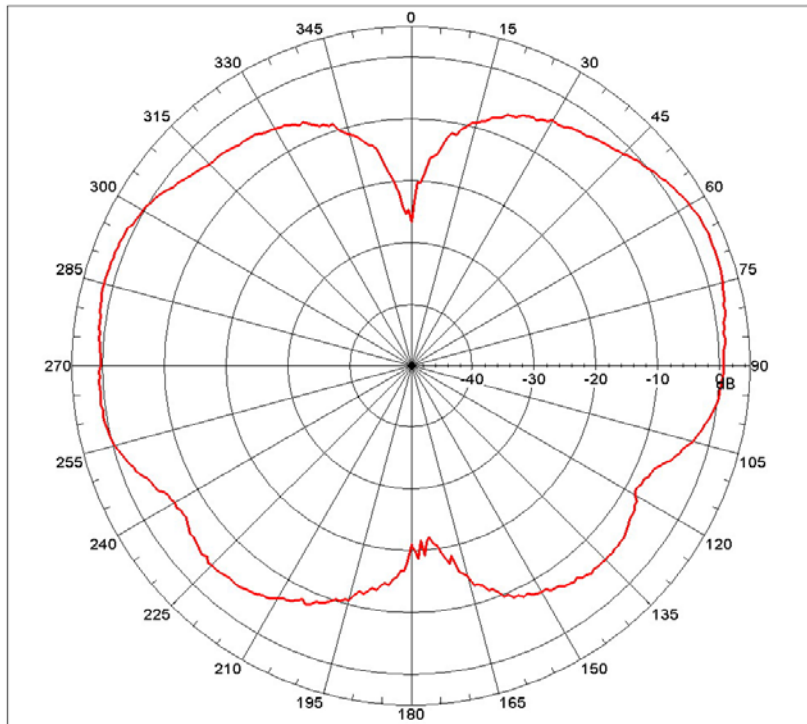


Far-field amplitude of 5.47-5.725G diople-h1104(w)

5.47GHz Gain = 2.34 dBi 5.60GHz Gain = 2.89 dBi
5.725GHz Gain = 2.51 dBi



Far-field amplitude of 5.85G diople-h1 104(w)
5.85GHz Gain = 2.66dBi

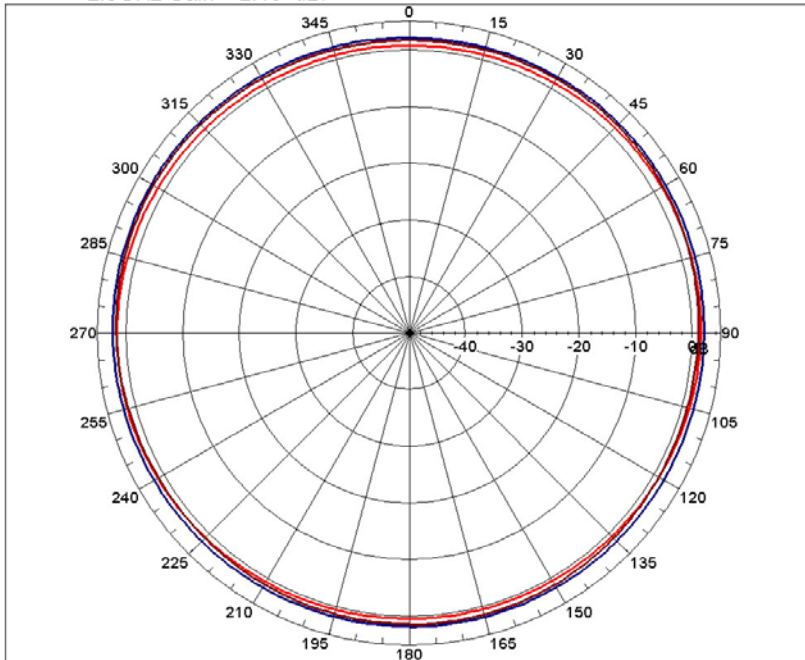


Far-field amplitude of 2.4-2.5G diople-v1104(w)

2.5GHz Gain = 1.55 dBi

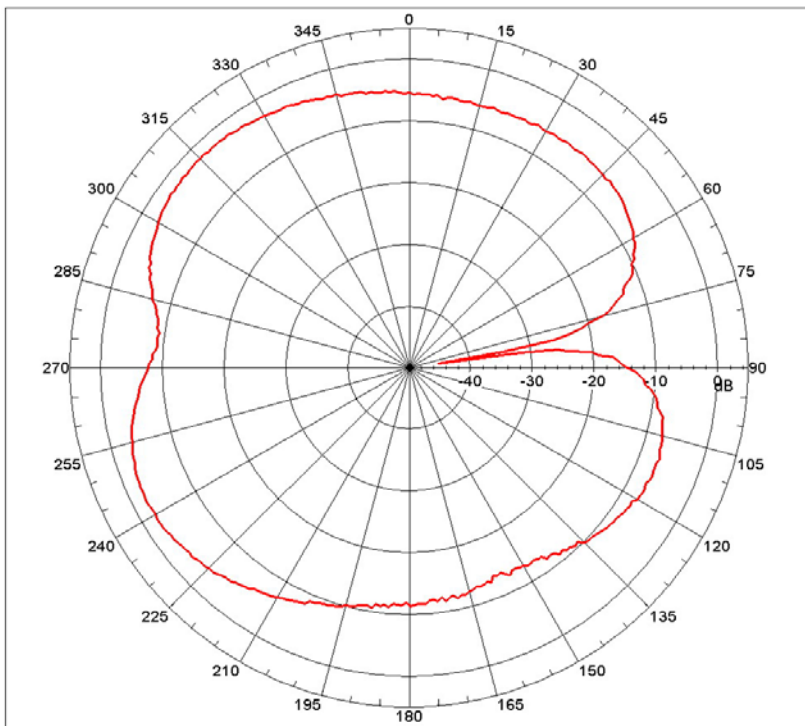
2.45GHz Gain = 2.5 dBi

2.5GHz Gain = 2.13 dBi



Far-field amplitude of 4.9G diople-v1104(w)

4.9GHz Gain = -1.98 dBi

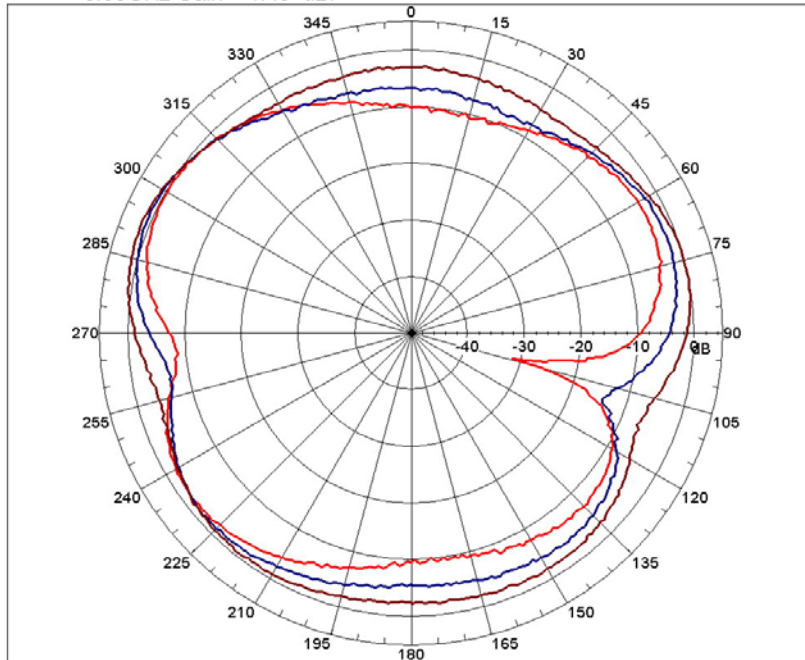


Far-field amplitude of 5.15-5.35G diople-v1104(w)

5.15GHz Gain = -0.20 dBi

5.25GHz Gain = 0.71 dBi

5.35GHz Gain = 1.45 dBi

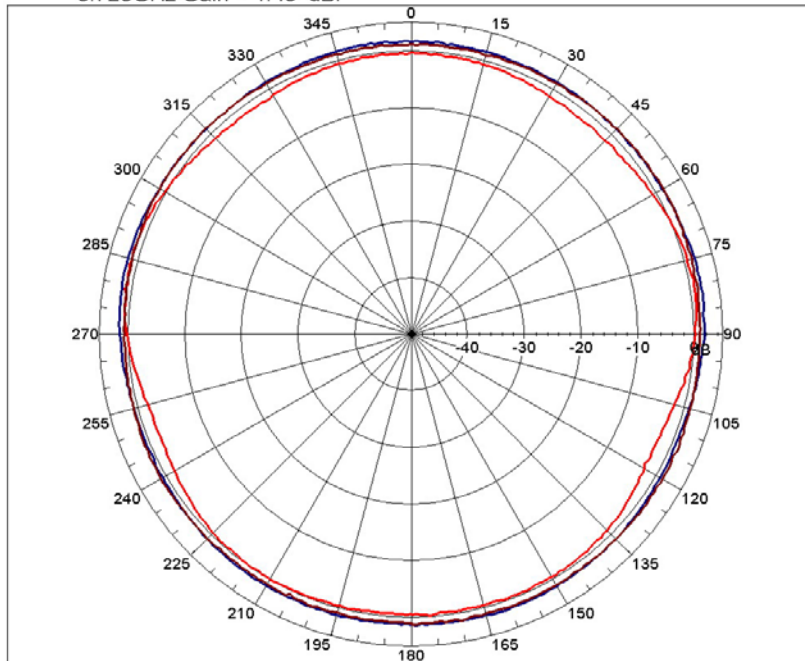


Far-field amplitude of 5.47-5.725 diople-v1104(w)

5.47GHz Gain = 1.16 dBi

5.60GHz Gain = 1.87 dBi

5.725GHz Gain = 1.40 dBi



Far-field amplitude of 5.85 diople-v1104(w)
5.85GHz Gain = 1.80 dBi

