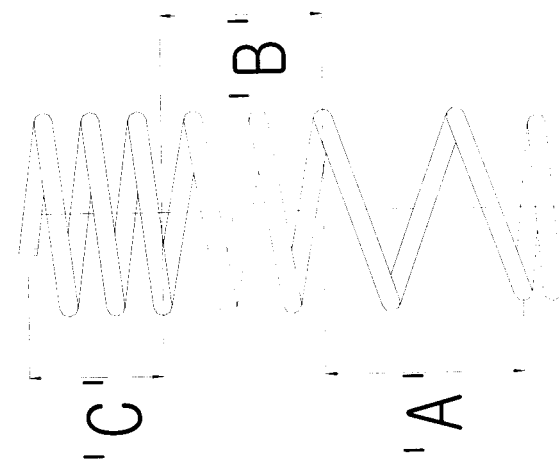
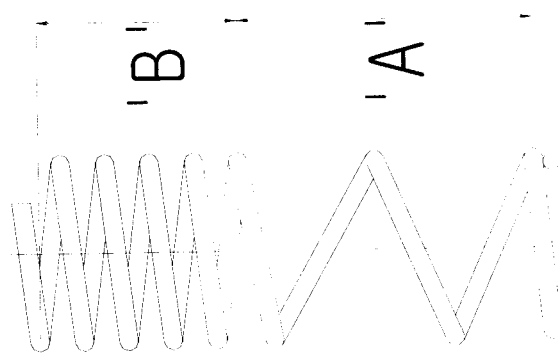


TM-510 Antenna Change Item

Before	After
 Tri - PITCH	 Dual - PITCH

TM510 ANT Mactching Circuit Change

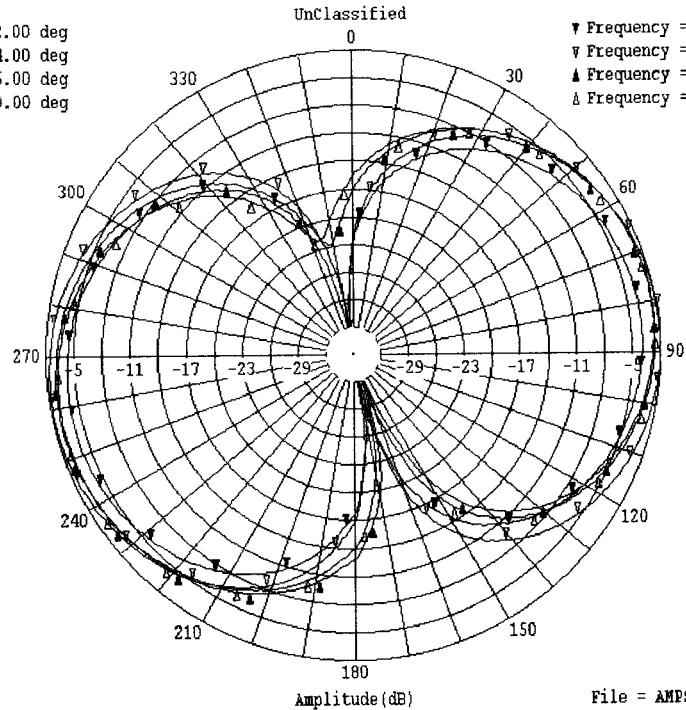
	Part Number	Old Value	New Value
1	C102	12 pF	3.3nH
2	L102	8.2 nH	DNI



AMPS BAND RADIATION PATTERN

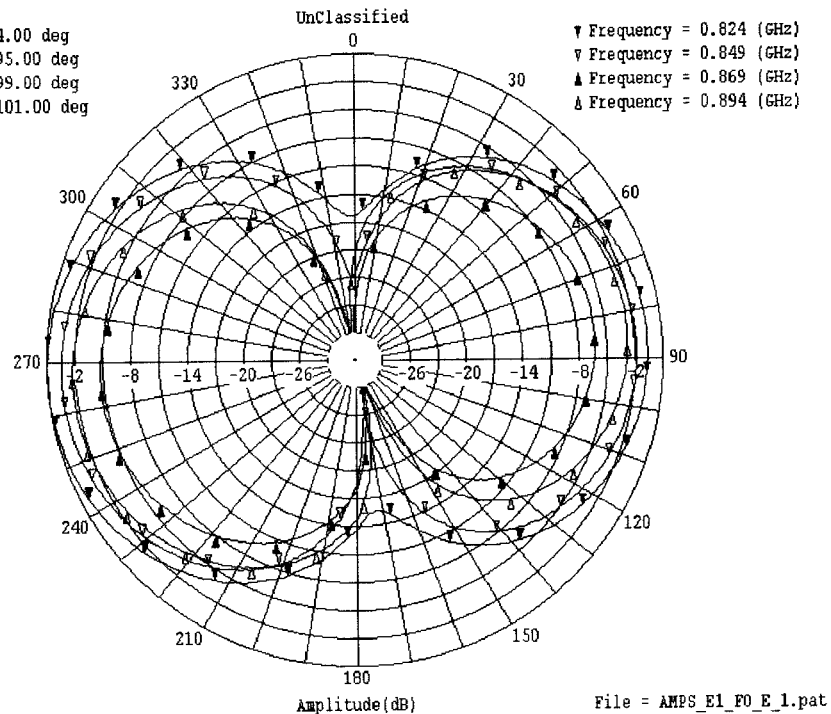
Folder Open Retracted (E1-Plane)

Peak = -3.67 dB, 82.00 deg
Peak = -1.88 dB, 84.00 deg
Peak = -2.34 dB, 76.00 deg
Peak = -2.30 dB, 79.00 deg

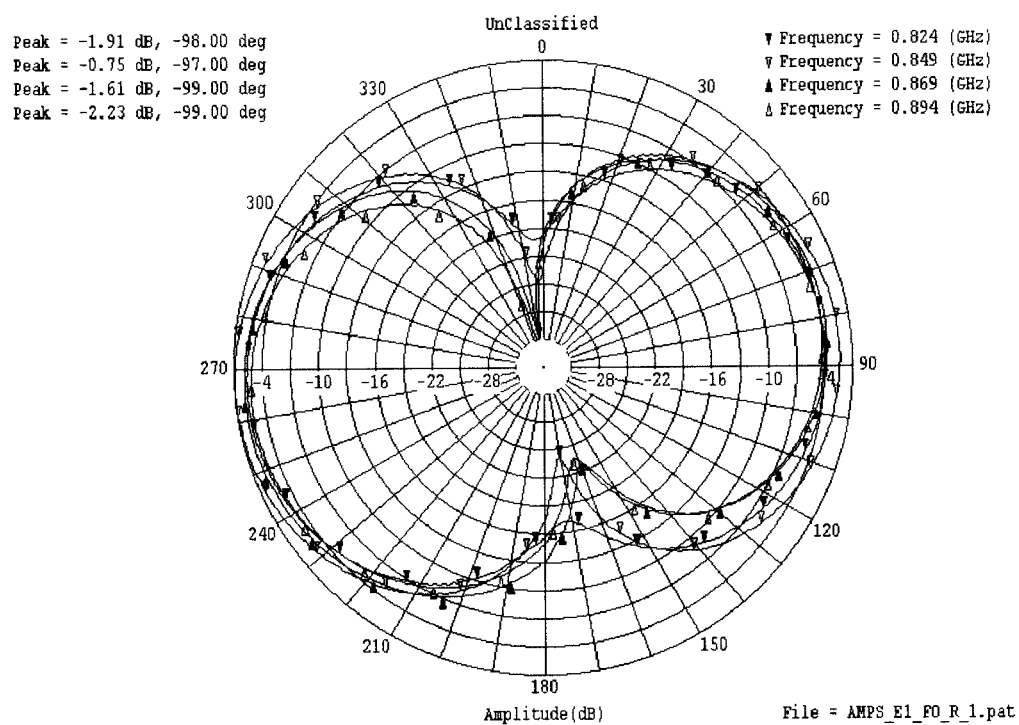


Folder Open Extended (E1-Plane)

Peak = 0.76 dB, -94.00 deg
Peak = -0.58 dB, -95.00 deg
Peak = -4.35 dB, -99.00 deg
Peak = -1.61 dB, -101.00 deg

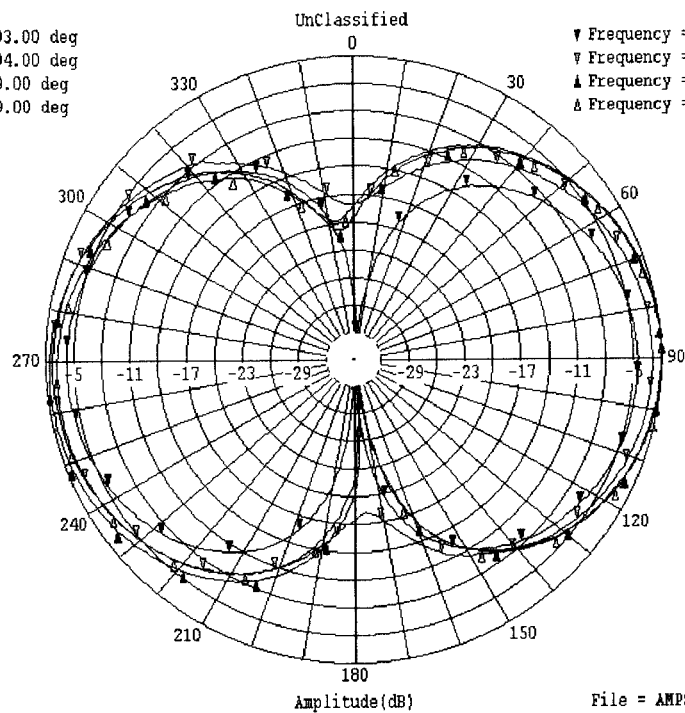


Folder Open Retracted (E1-Plane)



Folder Close Retracted(E2-Plane)

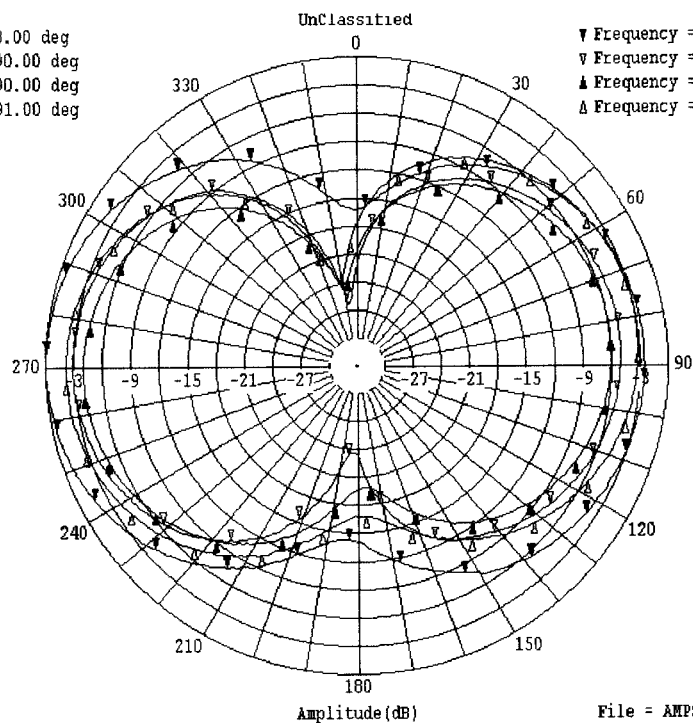
Peak = -4.49 dB, -93.00 deg
 Peak = -3.10 dB, -94.00 deg
 Peak = -2.59 dB, 89.00 deg
 Peak = -2.48 dB, 89.00 deg



▼ Frequency = 0.824 (GHz)
 ▼ Frequency = 0.849 (GHz)
 ▲ Frequency = 0.869 (GHz)
 ▲ Frequency = 0.894 (GHz)

Folder Open Extended(E2-Plane)

Peak = 0.04 dB, -88.00 deg
 Peak = -2.56 dB, -90.00 deg
 Peak = -3.58 dB, -90.00 deg
 Peak = -1.88 dB, -91.00 deg



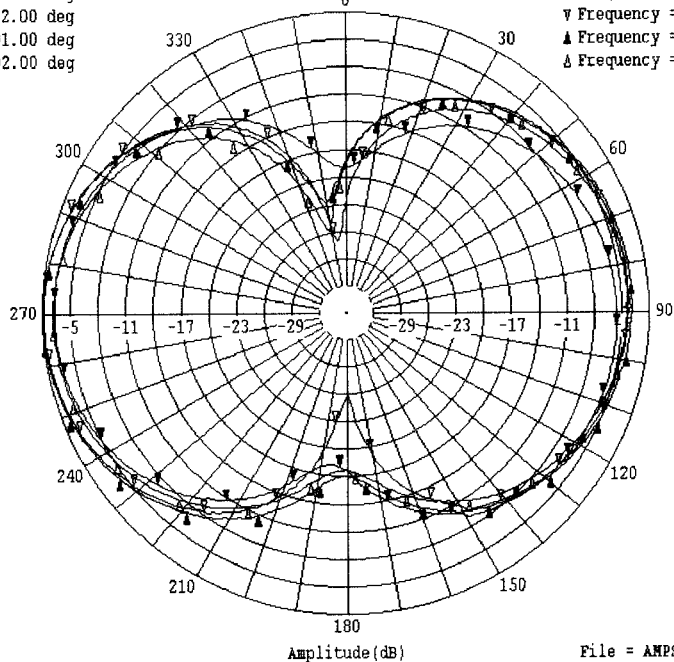
▼ Frequency = 0.824 (GHz)
 ▼ Frequency = 0.849 (GHz)
 ▲ Frequency = 0.869 (GHz)
 ▲ Frequency = 0.894 (GHz)

Folder Open Extended (E2-Plane)

Peak = -2.80 dB, -89.00 deg
Peak = -1.81 dB, -92.00 deg
Peak = -1.71 dB, -91.00 deg
Peak = -2.71 dB, -92.00 deg

Unclassified

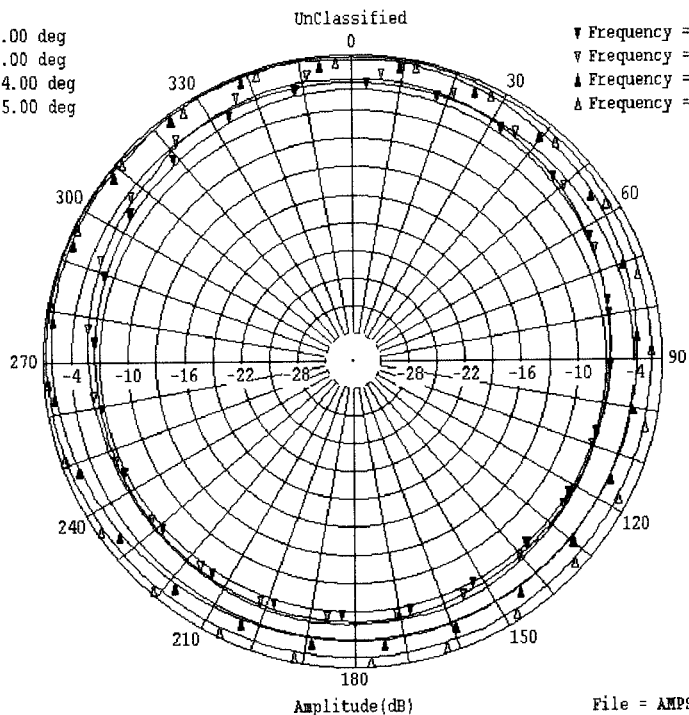
▼ Frequency = 0.824 (GHz)
▽ Frequency = 0.849 (GHz)
▲ Frequency = 0.869 (GHz)
△ Frequency = 0.894 (GHz)



Folder Close Retracted (H-Plane)

Peak = -4.00 dB, 10.00 deg
 Peak = -2.91 dB, -9.00 deg
 Peak = -0.81 dB, -24.00 deg
 Peak = -0.68 dB, -55.00 deg

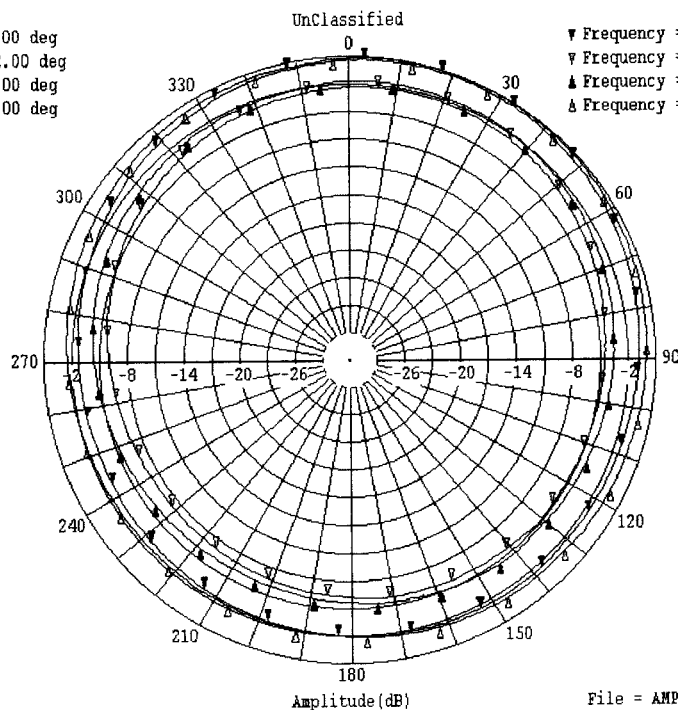
▼ Frequency = 0.824 (GHz)
 ▼ Frequency = 0.849 (GHz)
 ▲ Frequency = 0.869 (GHz)
 ▲ Frequency = 0.894 (GHz)



Folder Open Extended (H-Plane)

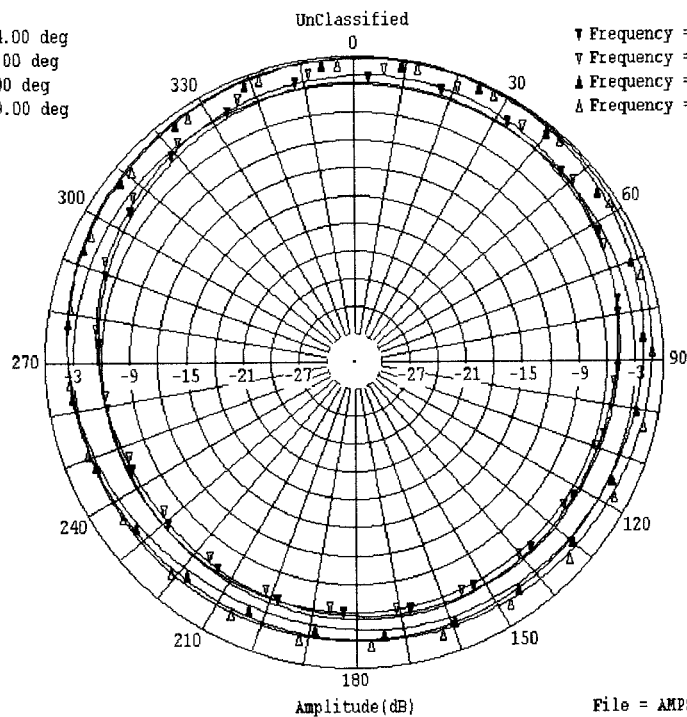
Peak = 0.38 dB, 16.00 deg
 Peak = -2.34 dB, 12.00 deg
 Peak = -1.82 dB, 6.00 deg
 Peak = 0.54 dB, 22.00 deg

▼ Frequency = 0.824 (GHz)
 ▼ Frequency = 0.849 (GHz)
 ▲ Frequency = 0.869 (GHz)
 ▲ Frequency = 0.894 (GHz)



Folder Open Retracted (H-Plane)

Peak = -2.45 dB, 14.00 deg
Peak = -1.65 dB, 5.00 deg
Peak = 0.06 dB, 5.00 deg
Peak = -0.01 dB, 19.00 deg



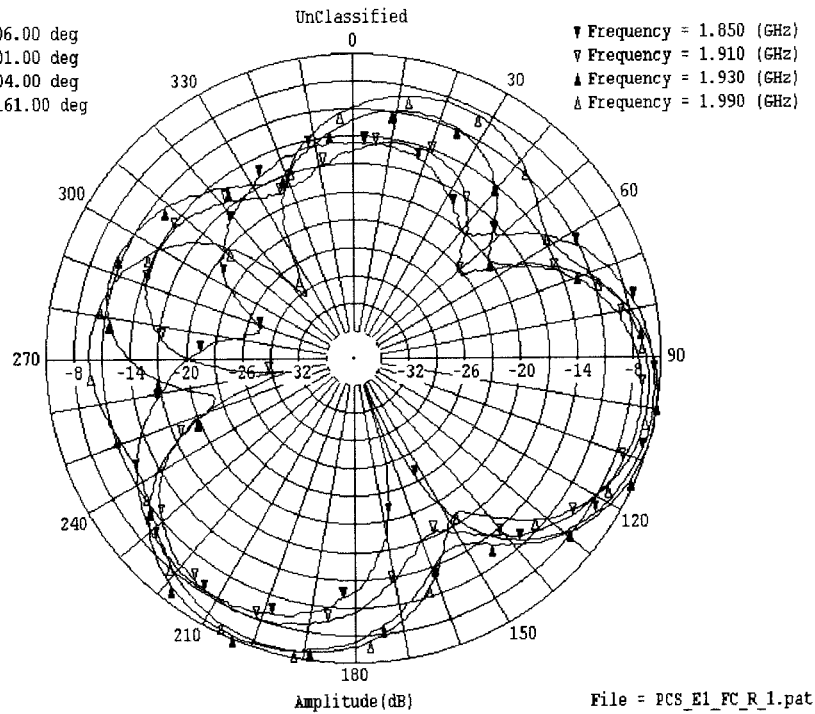
▼ Frequency = 0.824 (GHz)
▼ Frequency = 0.849 (GHz)
▲ Frequency = 0.869 (GHz)
▲ Frequency = 0.894 (GHz)

File = AMPS_H_F0_R_1.pat

PCS BAND RADIATION PATTERN

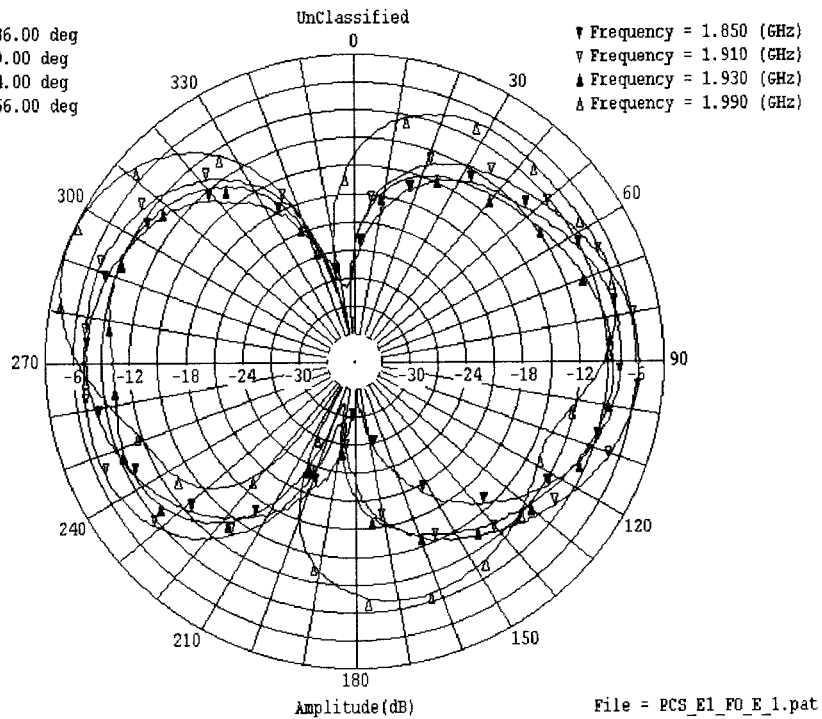
Folder Close Retracted (E1-Plane)

Peak = -5.54 dB, 106.00 deg
Peak = -6.71 dB, 101.00 deg
Peak = -5.13 dB, 104.00 deg
Peak = -5.71 dB, -161.00 deg



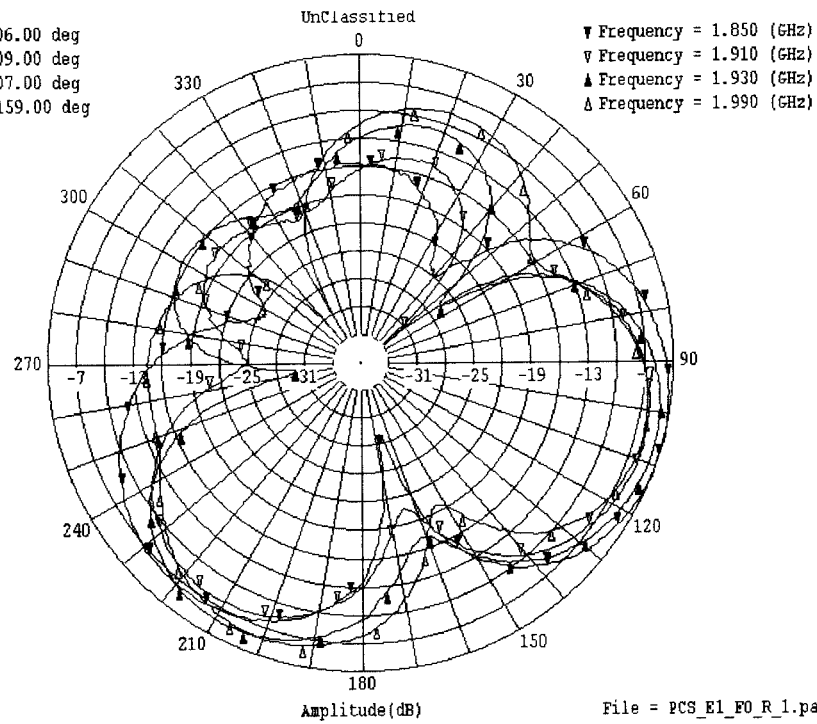
Folder Open Extended (E1-Plane)

Peak = -7.04 dB, -86.00 deg
Peak = -5.66 dB, 89.00 deg
Peak = -8.10 dB, 94.00 deg
Peak = -3.17 dB, -66.00 deg



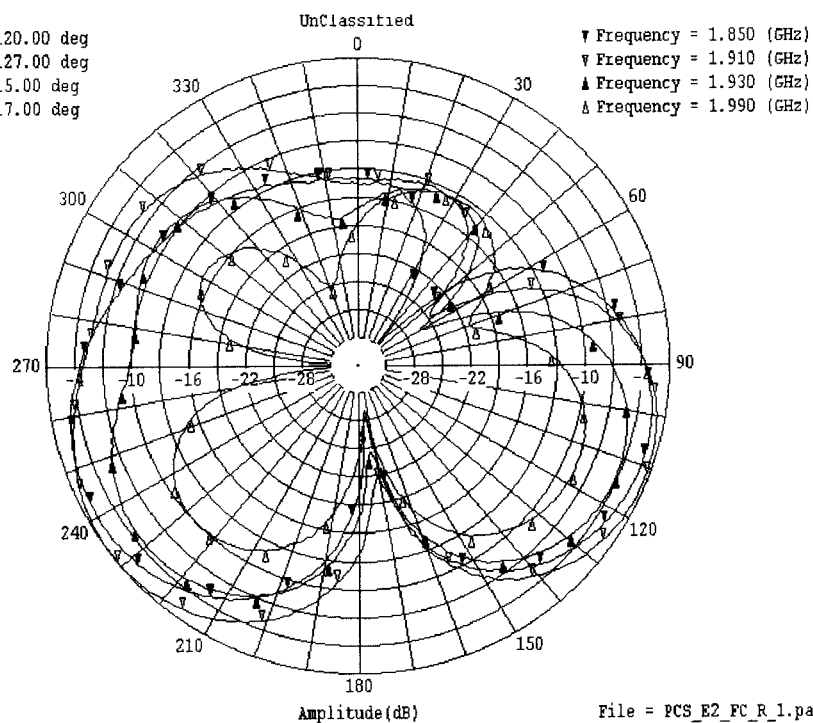
Folder Open Retracted (E1-Plane)

Peak = -4.04 dB, 106.00 deg
Peak = -5.80 dB, 109.00 deg
Peak = -4.78 dB, 107.00 deg
Peak = -5.73 dB, -159.00 deg



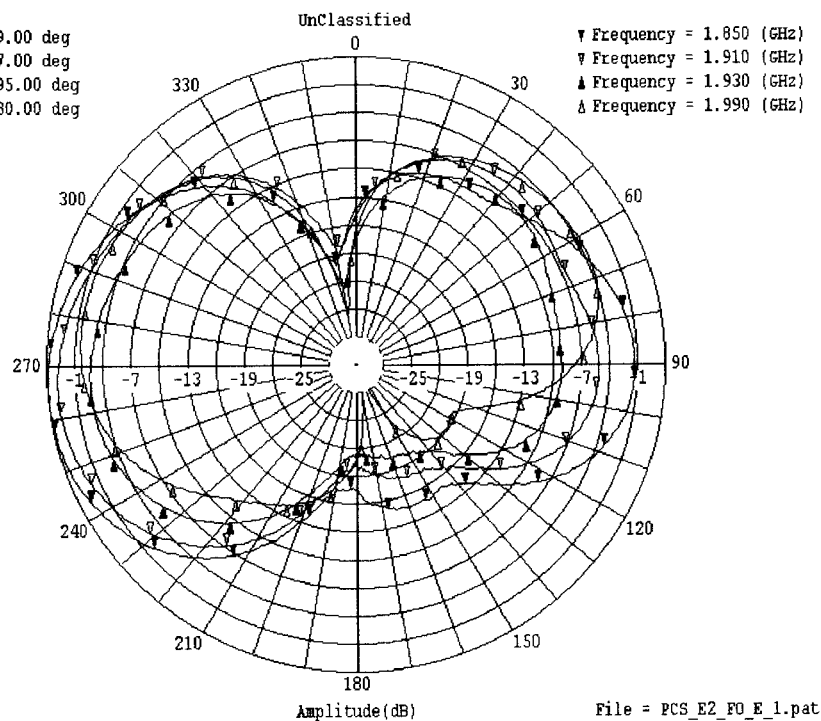
Folder Close Retracted (E2-Plane)

Peak = -1.59 dB, -120.00 deg
 Peak = -0.69 dB, -127.00 deg
 Peak = -3.61 dB, 115.00 deg
 Peak = -7.55 dB, 117.00 deg



Folder Open Extended (E2-Plane)

Peak = 2.42 dB, -99.00 deg
 Peak = 1.47 dB, -97.00 deg
 Peak = -1.69 dB, -95.00 deg
 Peak = -0.67 dB, -80.00 deg

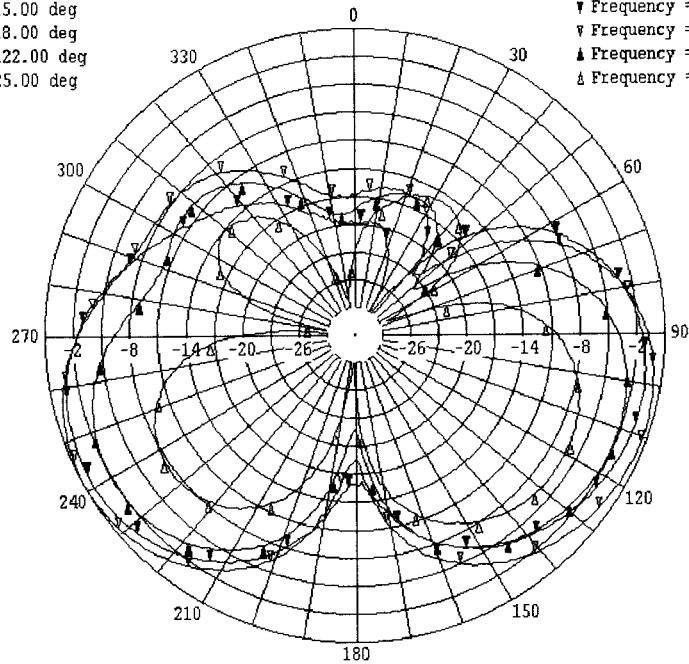


Folder Open Retracted (E2-Plane)

Peak = 0.57 dB, -115.00 deg
Peak = 1.29 dB, -118.00 deg
Peak = -1.30 dB, -122.00 deg
Peak = -5.39 dB, 125.00 deg

UnClassified

▼ Frequency = 1.850 (GHz)
▼ Frequency = 1.910 (GHz)
▲ Frequency = 1.930 (GHz)
△ Frequency = 1.990 (GHz)

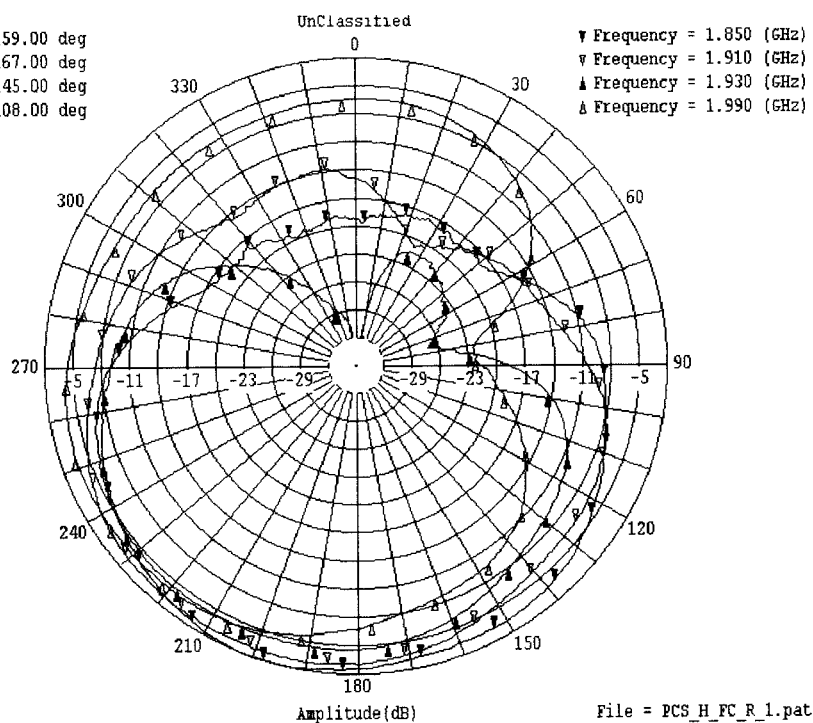


Amplitude (dB)

File = PCS_E2_F0_R_1.pat

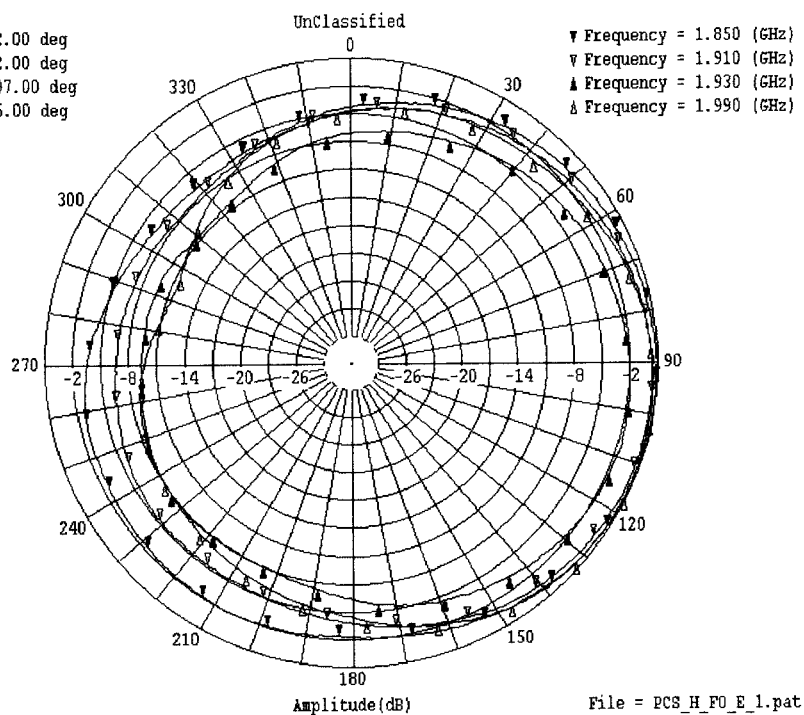
Folder Close Retracted (H-Plane)

Peak = -2.44 dB, -159.00 deg
 Peak = -3.27 dB, -167.00 deg
 Peak = -4.59 dB, -145.00 deg
 Peak = -3.93 dB, -108.00 deg



Folder Open Extended (H-Plane)

Peak = 0.65 dB, 102.00 deg
 Peak = 0.18 dB, 102.00 deg
 Peak = -1.78 dB, 107.00 deg
 Peak = 0.41 dB, 116.00 deg



Folder Open Retracted (H-Plane)

Peak = -2.30 dB, -160.00 deg
Peak = -2.82 dB, -132.00 deg
Peak = -3.67 dB, -131.00 deg
Peak = -2.34 dB, -102.00 deg

▼ Frequency = 1.850 (GHz)
▼ Frequency = 1.910 (GHz)
▲ Frequency = 1.930 (GHz)
▲ Frequency = 1.990 (GHz)

