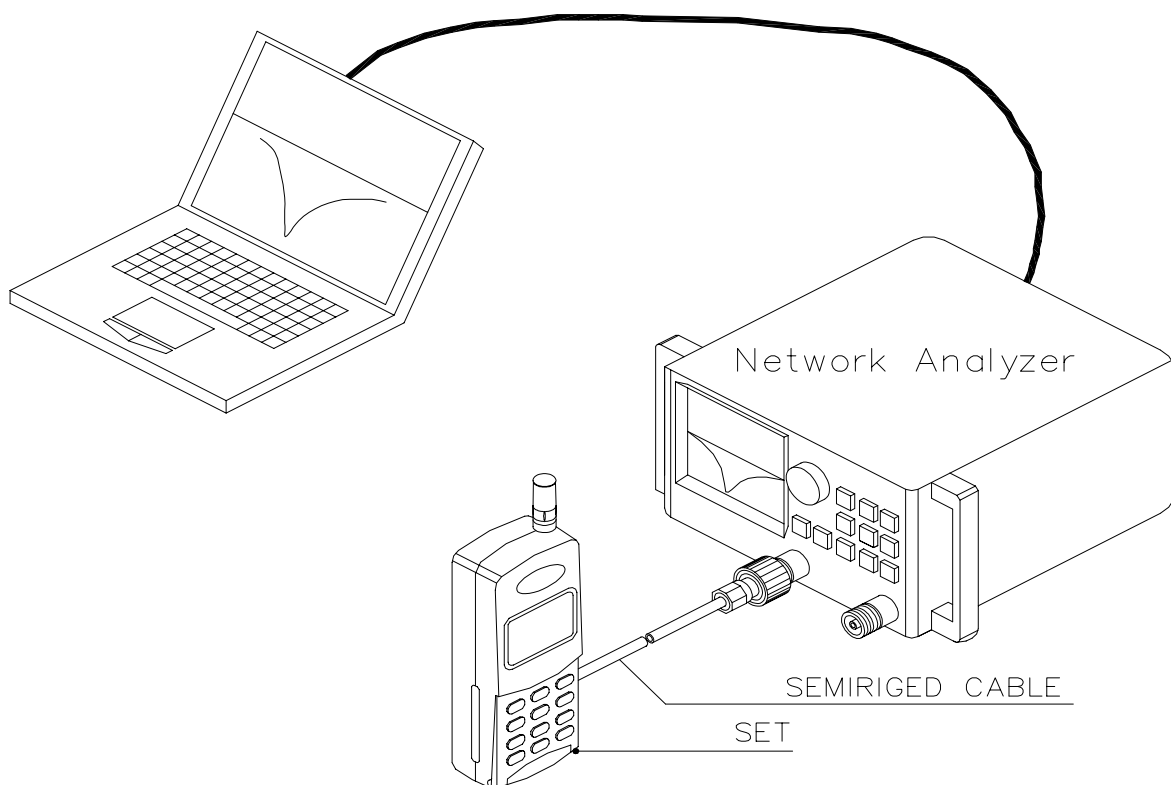
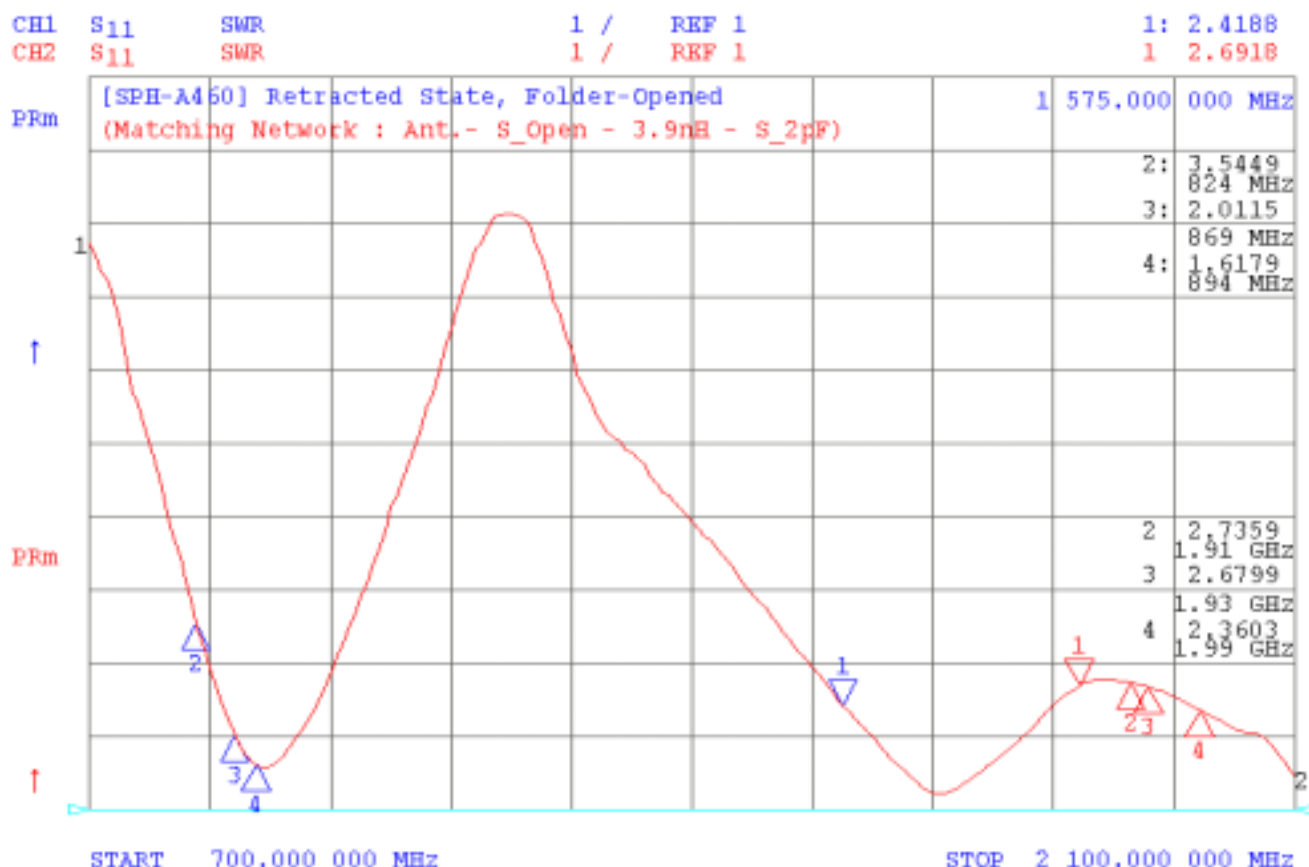


Antenna SWR

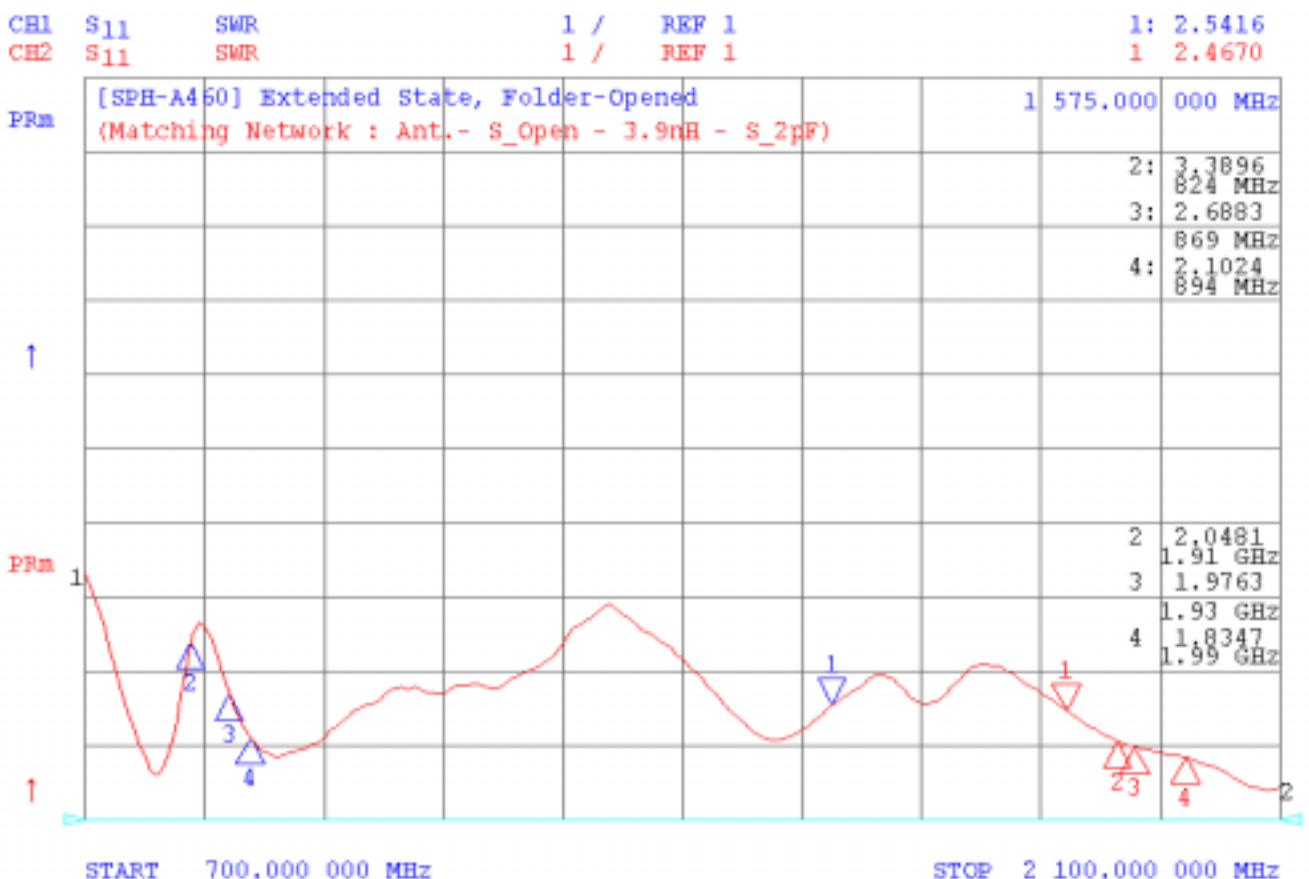
Test condition



Internal Antenna

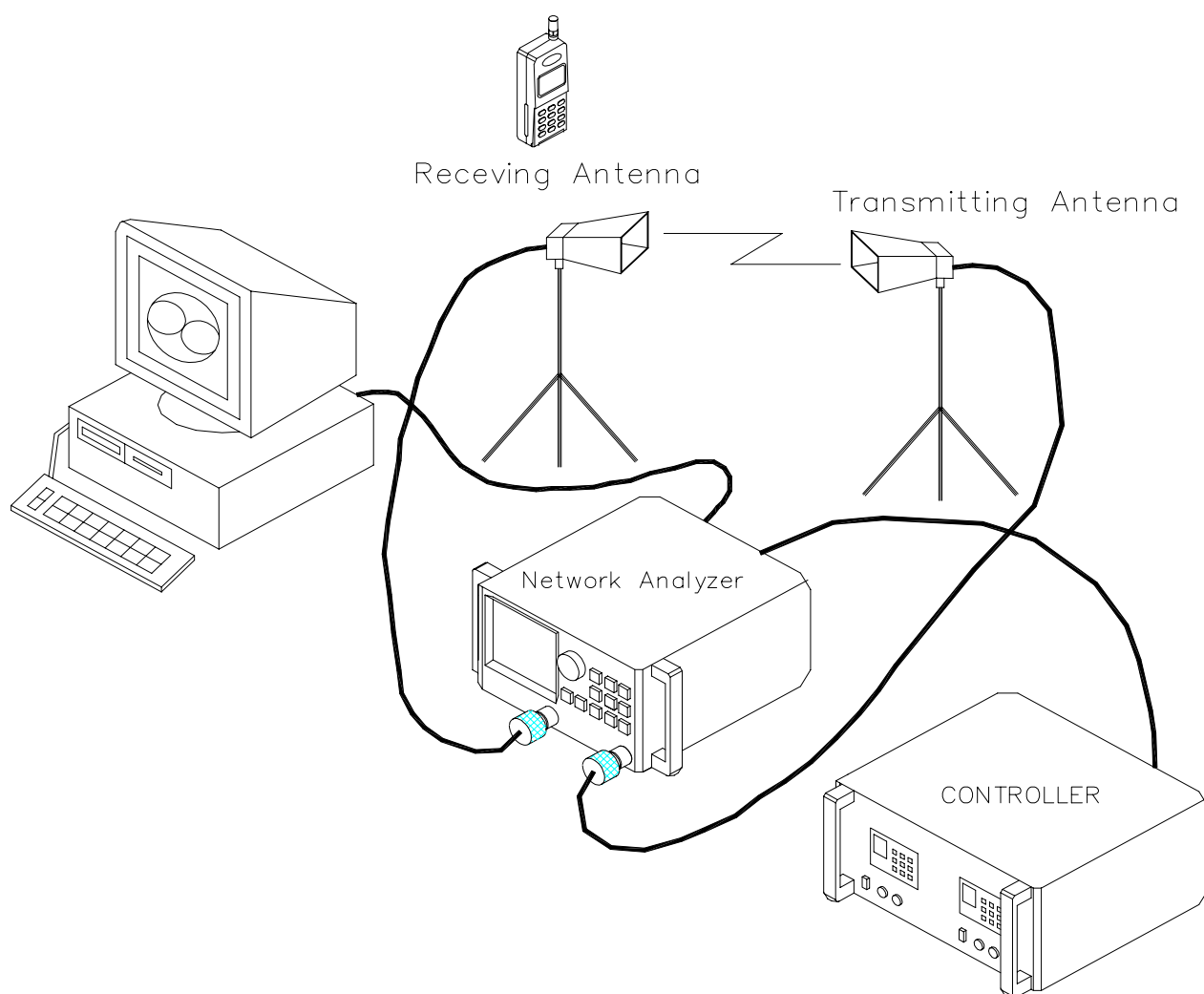


External Antenna



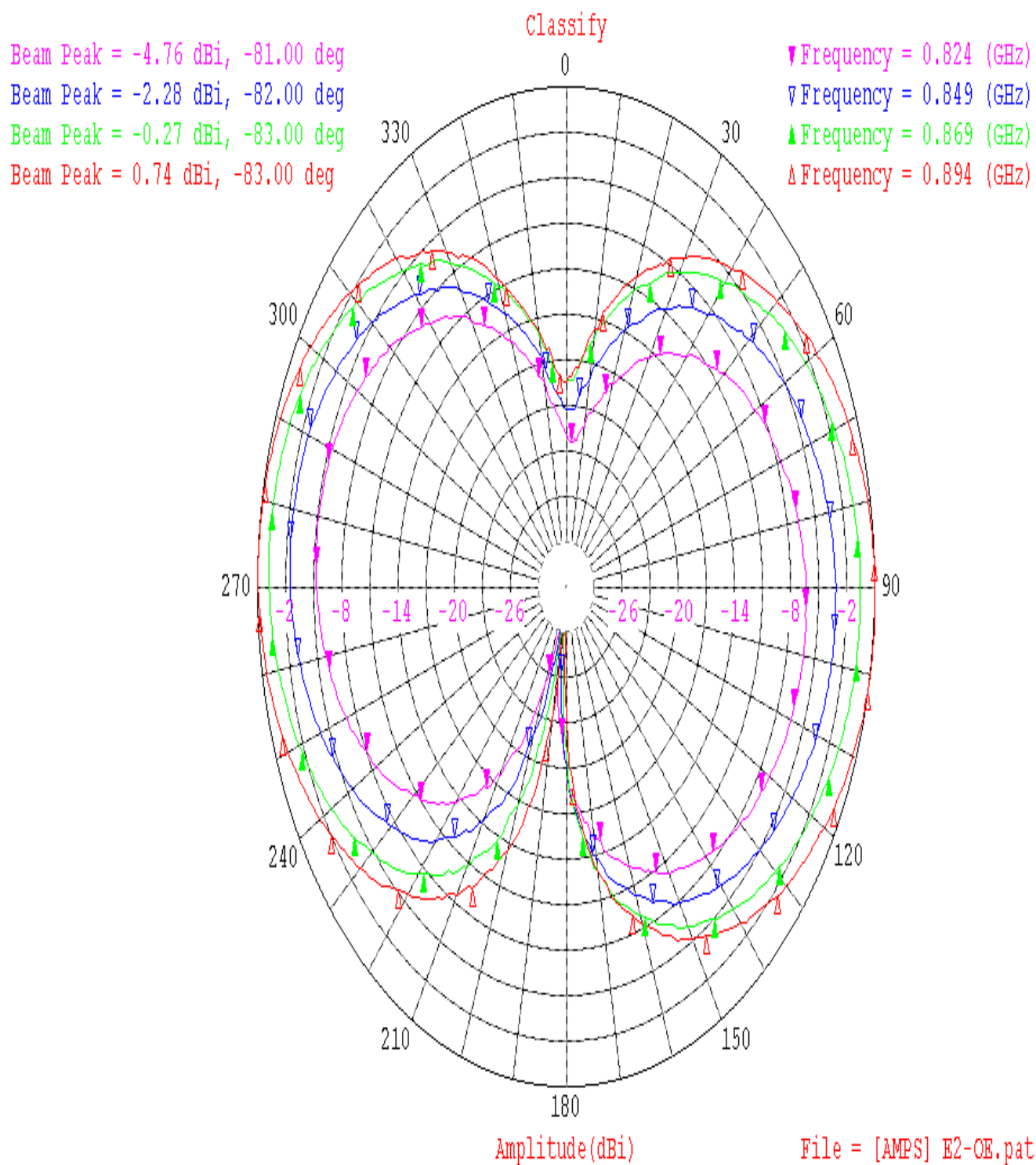
Antenna Radiation Pattern and Gain

Test condition



824MHz ~ 894MHz (AMPS & CDMA)

Extended Antenna (E2 Plane)



824MHz ~ 894MHz (AMPS & CDMA)

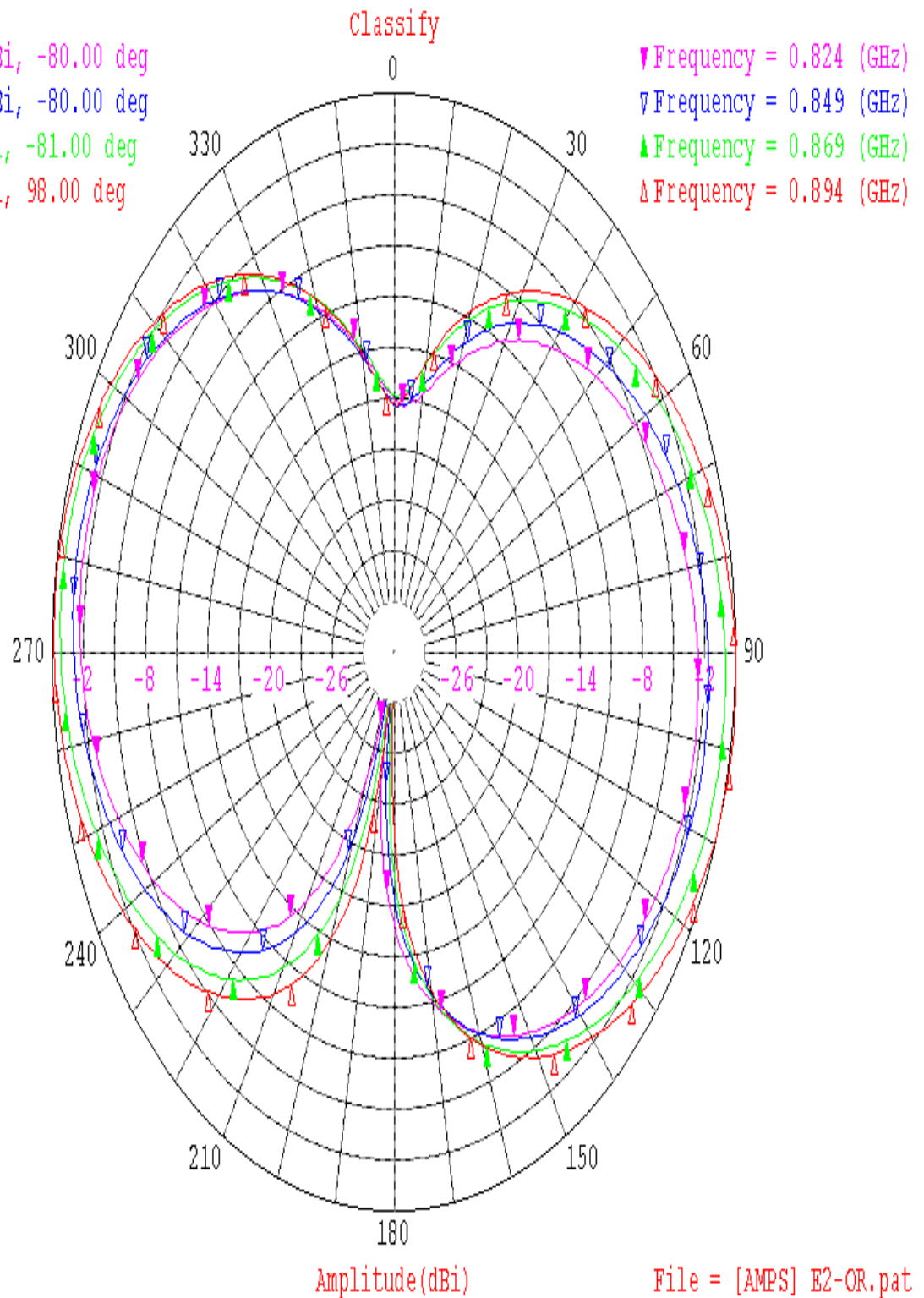
Retracted Antenna (E2 Plane)

Beam Peak = -1.28 dBi, -80.00 deg

Beam Peak = -0.74 dBi, -80.00 deg

Beam Peak = 0.31 dBi, -81.00 deg

Beam Peak = 0.93 dBi, 98.00 deg

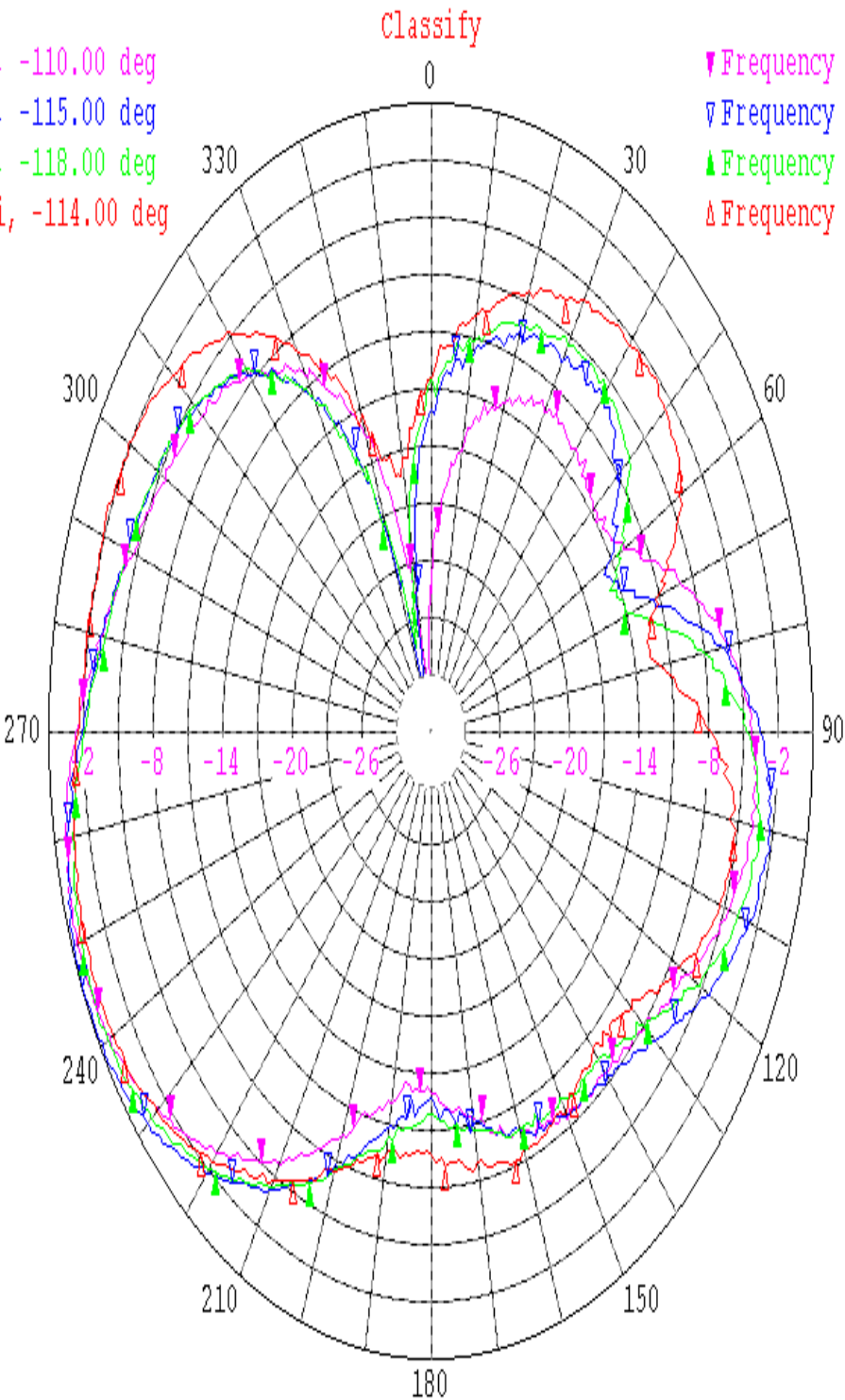


1850MHz ~ 1990MHz (USPCS)

Extended Antenna (E2 Plane)

Beam Peak = 0.13 dBi, -110.00 deg
Beam Peak = 0.52 dBi, -115.00 deg
Beam Peak = 0.04 dBi, -118.00 deg
Beam Peak = -0.46 dBi, -114.00 deg

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



Amplitude(dBi)

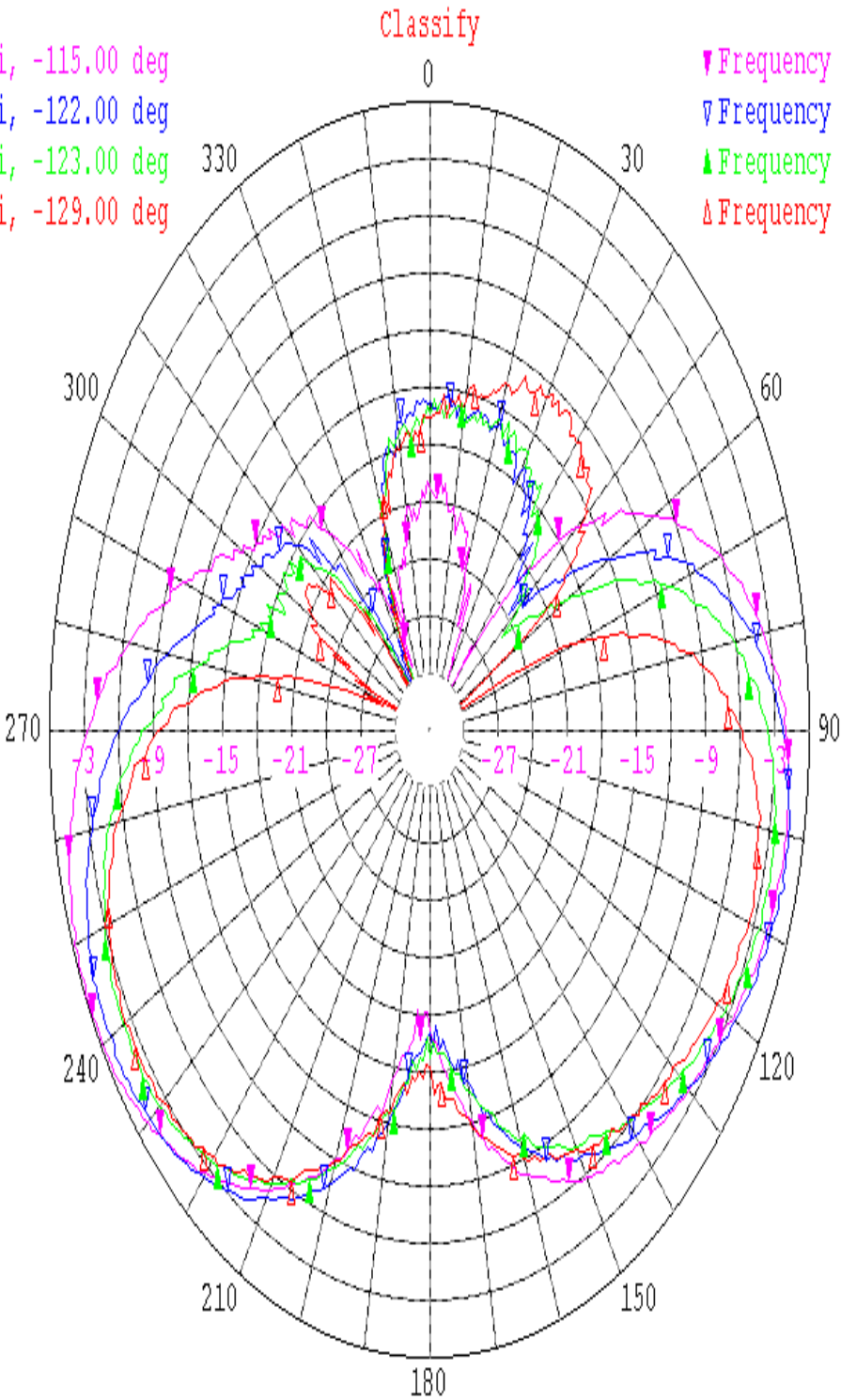
File = [USPCS] E2-OE.pa

1850MHz ~ 1990MHz (USPCS)

Retracted Antenna (E2 Plane)

Beam Peak = -0.39 dBi, -115.00 deg
Beam Peak = -1.10 dBi, -122.00 deg
Beam Peak = -2.34 dBi, -123.00 deg
Beam Peak = -2.60 dBi, -129.00 deg

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

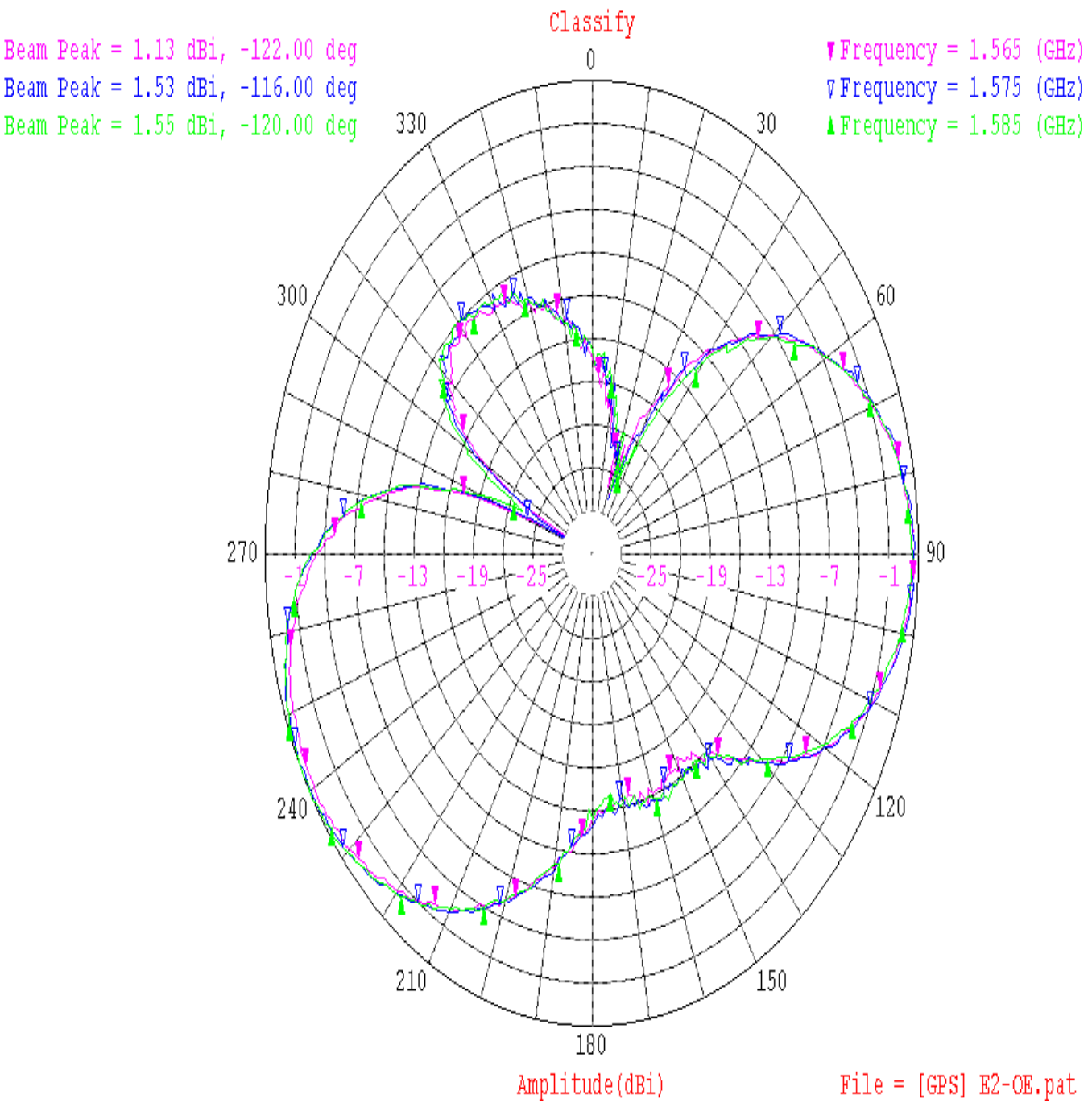


Amplitude(dBi)

File = [USPCS] E2-OR.pa

1565MHz ~ 1585MHz (GPS)

Extended Antenna (E2 Plane)

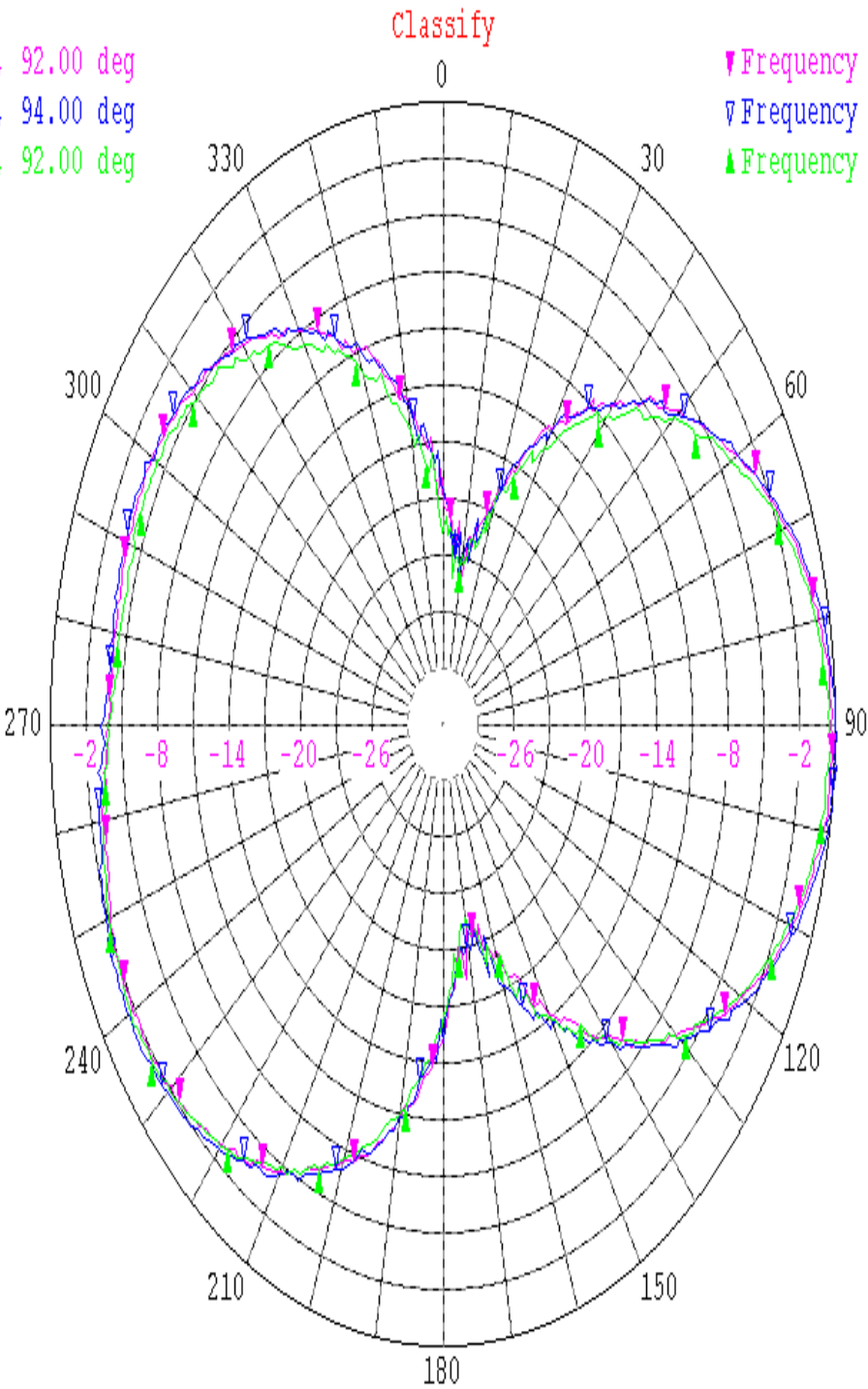


1565MHz ~ 1585MHz (GPS)

Retracted Antenna (E2 Plane)

Beam Peak = 0.51 dBi, 92.00 deg
Beam Peak = 0.74 dBi, 94.00 deg
Beam Peak = 0.30 dBi, 92.00 deg

▼ Frequency = 1.565 (GHz)
▽ Frequency = 1.575 (GHz)
▲ Frequency = 1.585 (GHz)



Amplitude(dBi)

File = [GPS] E2-OR.pat