ARKNAV International Inc. Navigate your future

A-255 Penta-Band GSM Antenna

Features

- Penta-Band GSM Antenna

Specifications

Architecture	
Electrical	
Architecture	PCB
Frequency Band	☒850 MHz ☒900 MHz ☒1800 MHz ☒1900 MHz ☒2100 MHz
Nominal Impendence	50 ohms
V.S.W.R	≦2 : 1
Return Loss	Please See Appendix
Polarization	Vertical
Typical Gain	0.39 dBi±1 dB@850MHz 0.95 dBi±1 dB@900MHz -1.99 dBi±1 dB@1800MHz -1.85 dBi±1 dB@1900MHz -2.54 dBi±1 dB@2100MHz
Pattern Type	Omni-Directional

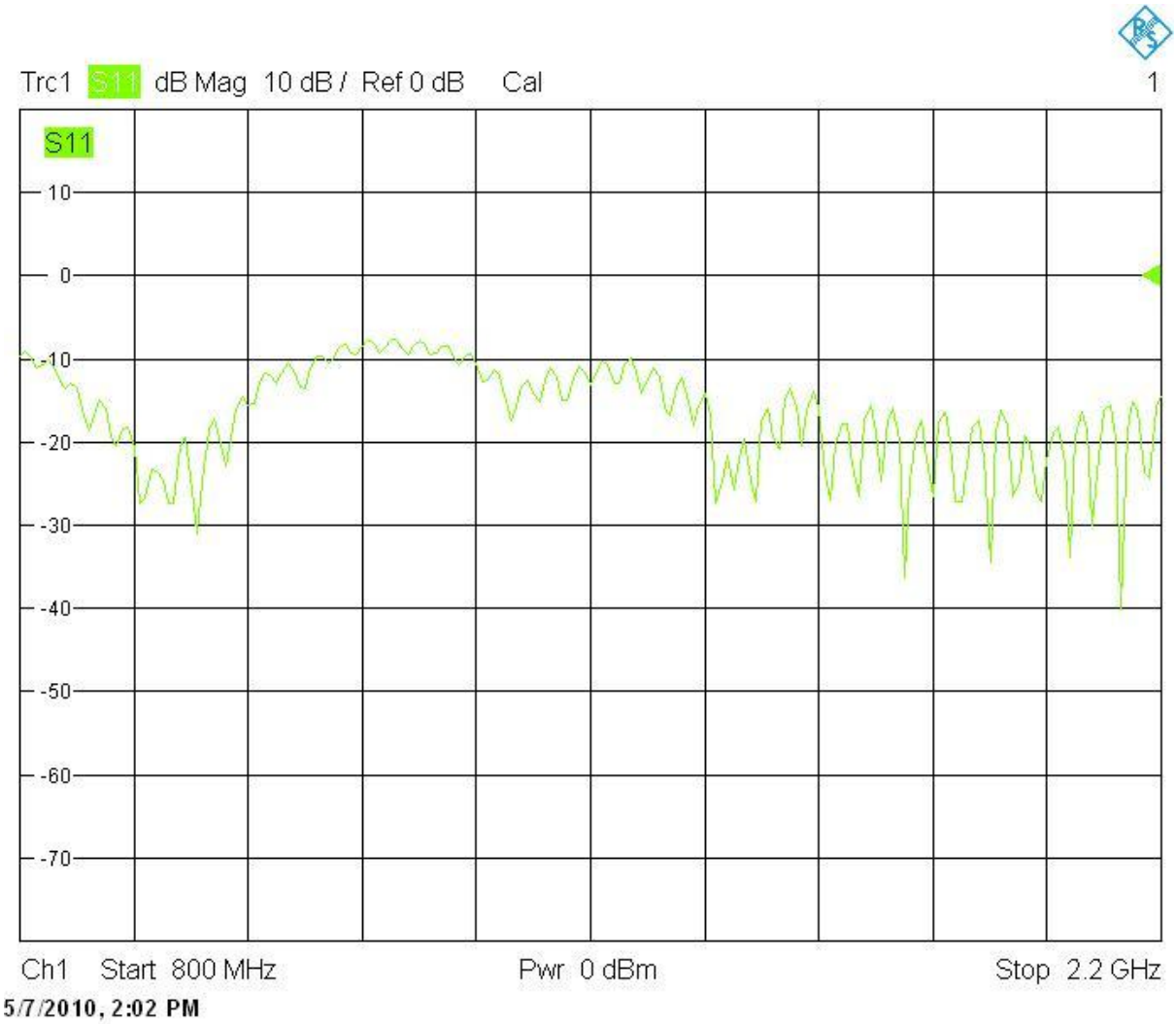
Mechanical & Environmental	
Antenna Cover	Polyurethane
Cable	3 meters
Connector	SMA St. Plug
Mounting	Double-side tape
Housing Color	Black
Working Temperature	-20℃ to + 60℃
Storage Temperature	-30℃ to +75℃
Humidity	95%@ 55℃

Output Terminal	
Coax Connector	BNC, SMB, Fakra, SMA, MCX, MMCX, GT5 or on request
Cable Length	3M, 5M or upon request
Cable Color	Black

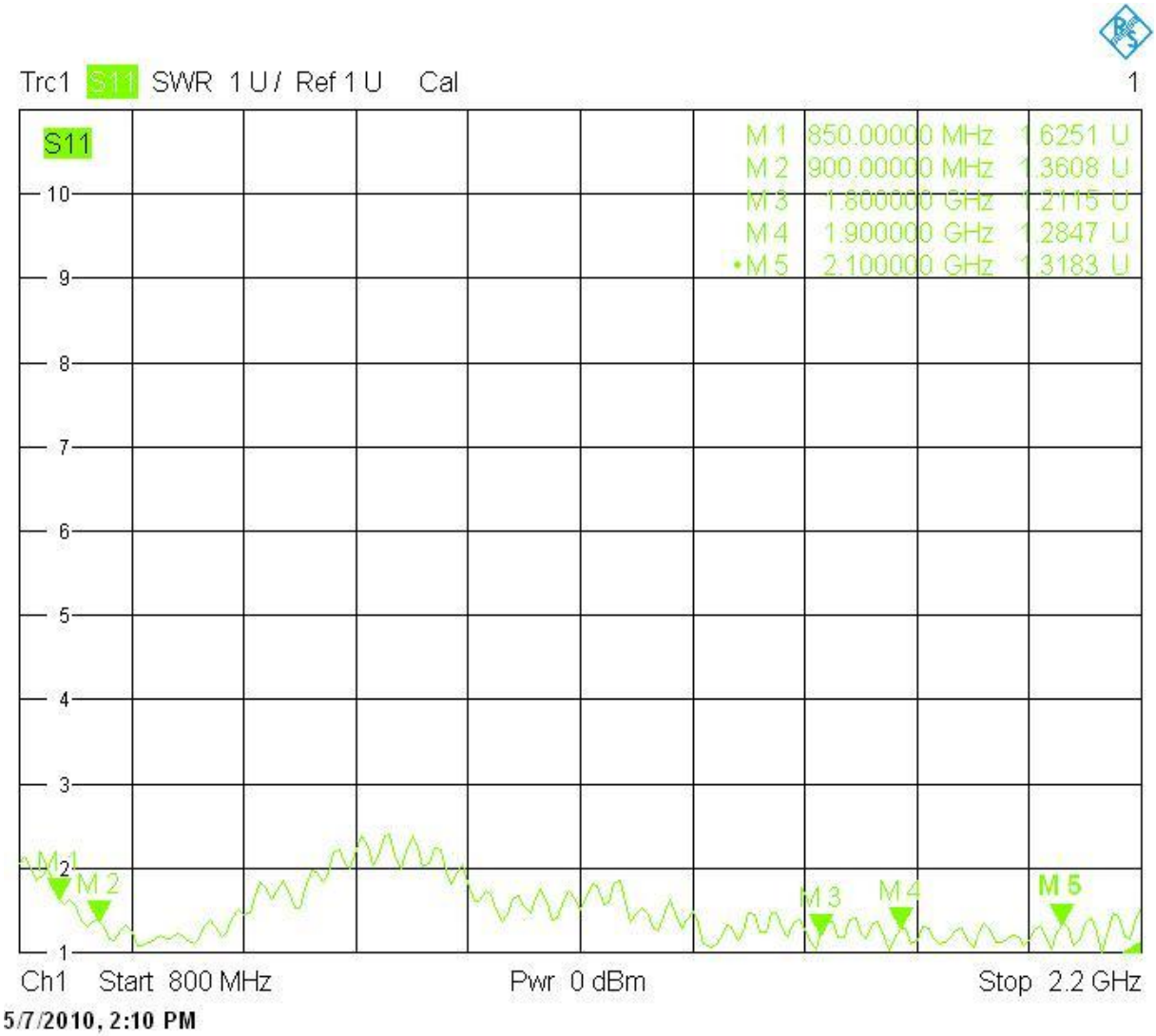
Ordering Information

APPENDIX

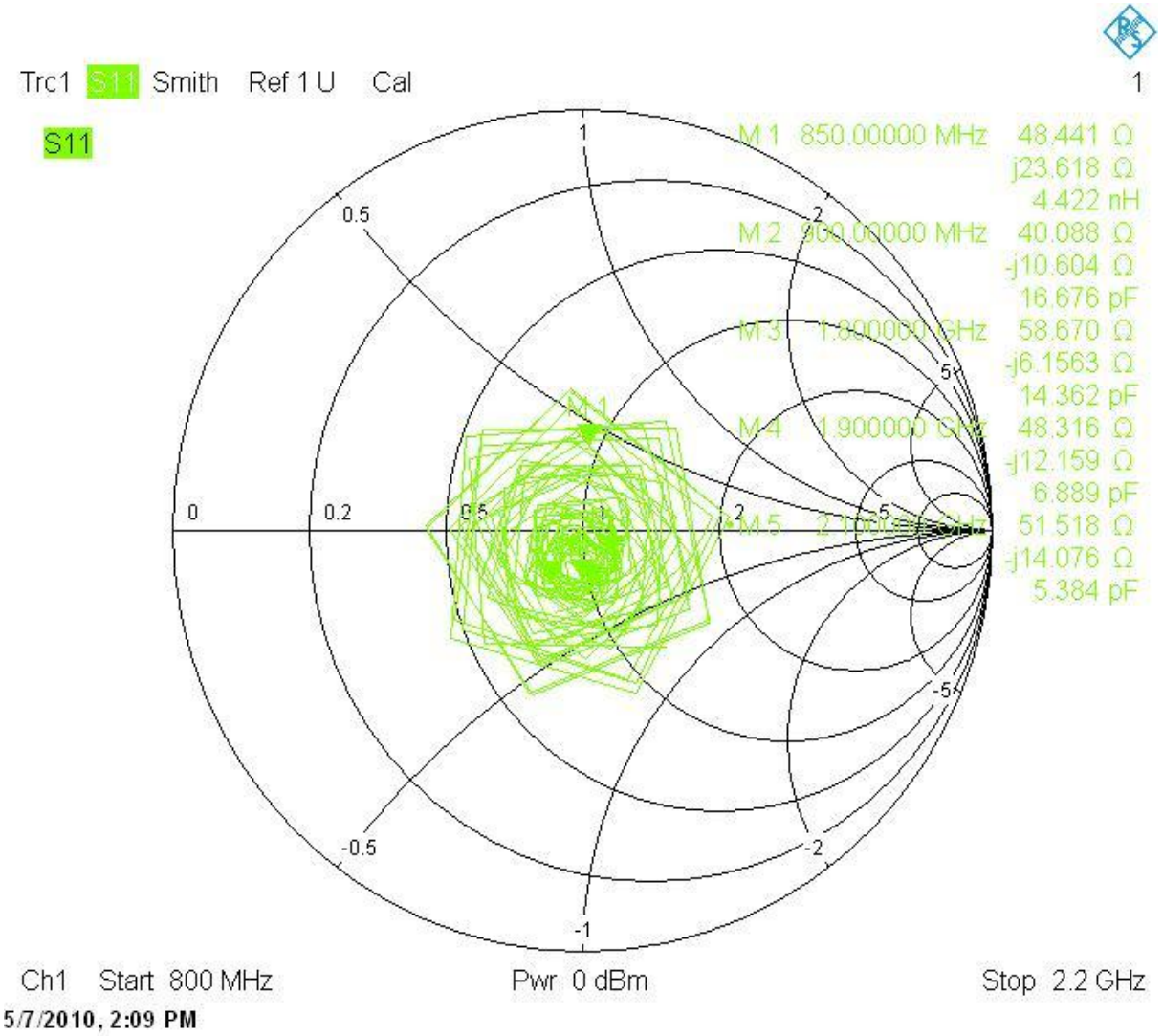
Return Loss (S11)



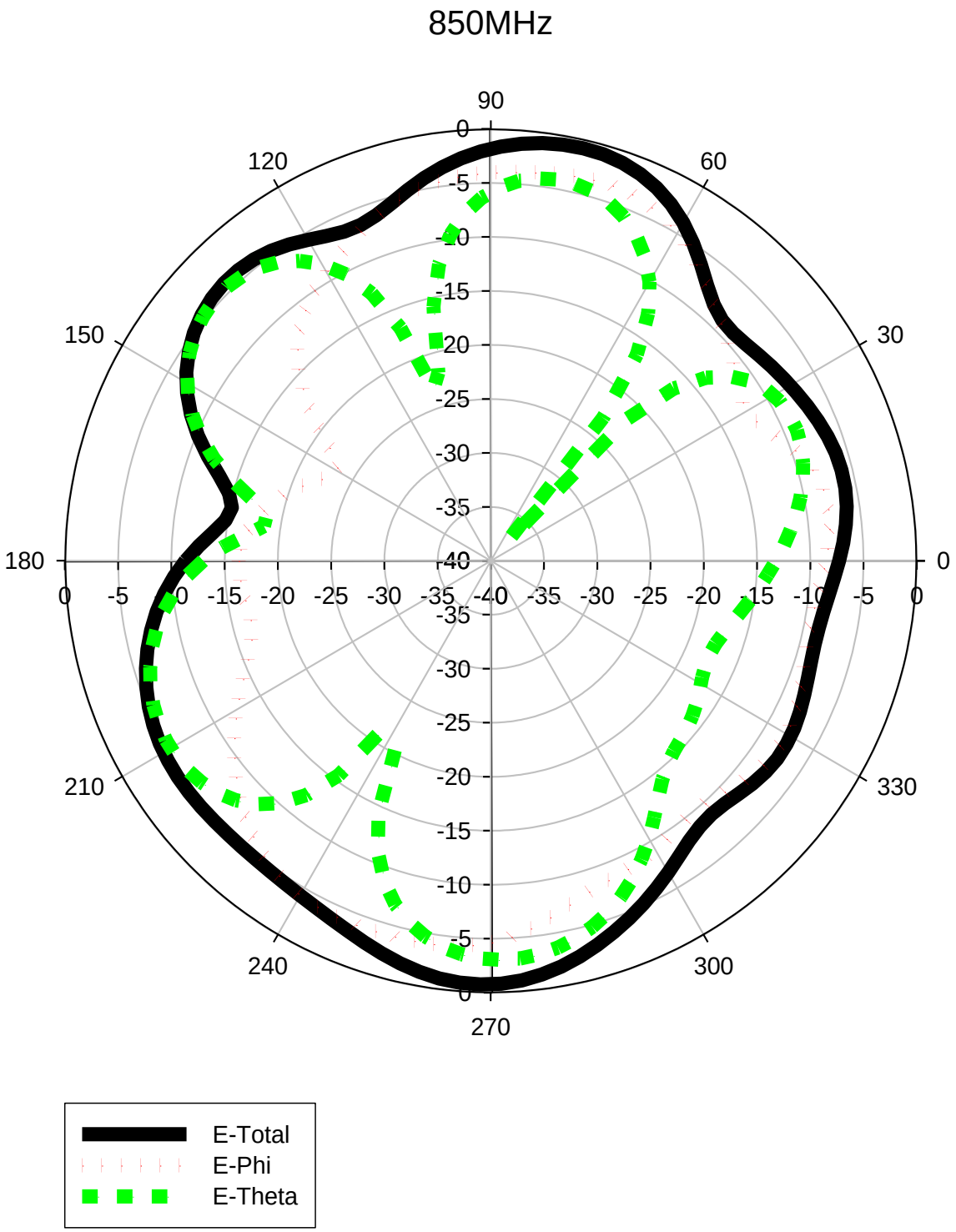
V.S.W.R (S11)


Trc1 S11 SWR 1 U / Ref 1 U Cal
1
S11
M 1 850.00000 MHz 1.6251 U
M 2 900.00000 MHz 1.3608 U
M 3 1.800000 GHz 1.2115 U
M 4 1.900000 GHz 1.2847 U
•M 5 2.100000 GHz 1.3183 U
10
9
8
7
6
5
4
3
2
1
M1
M 2
M 3
M 4
M 5
Ch1 Start 800 MHz
Pwr 0 dBm
Stop 2.2 GHz
5/7/2010, 2:10 PM

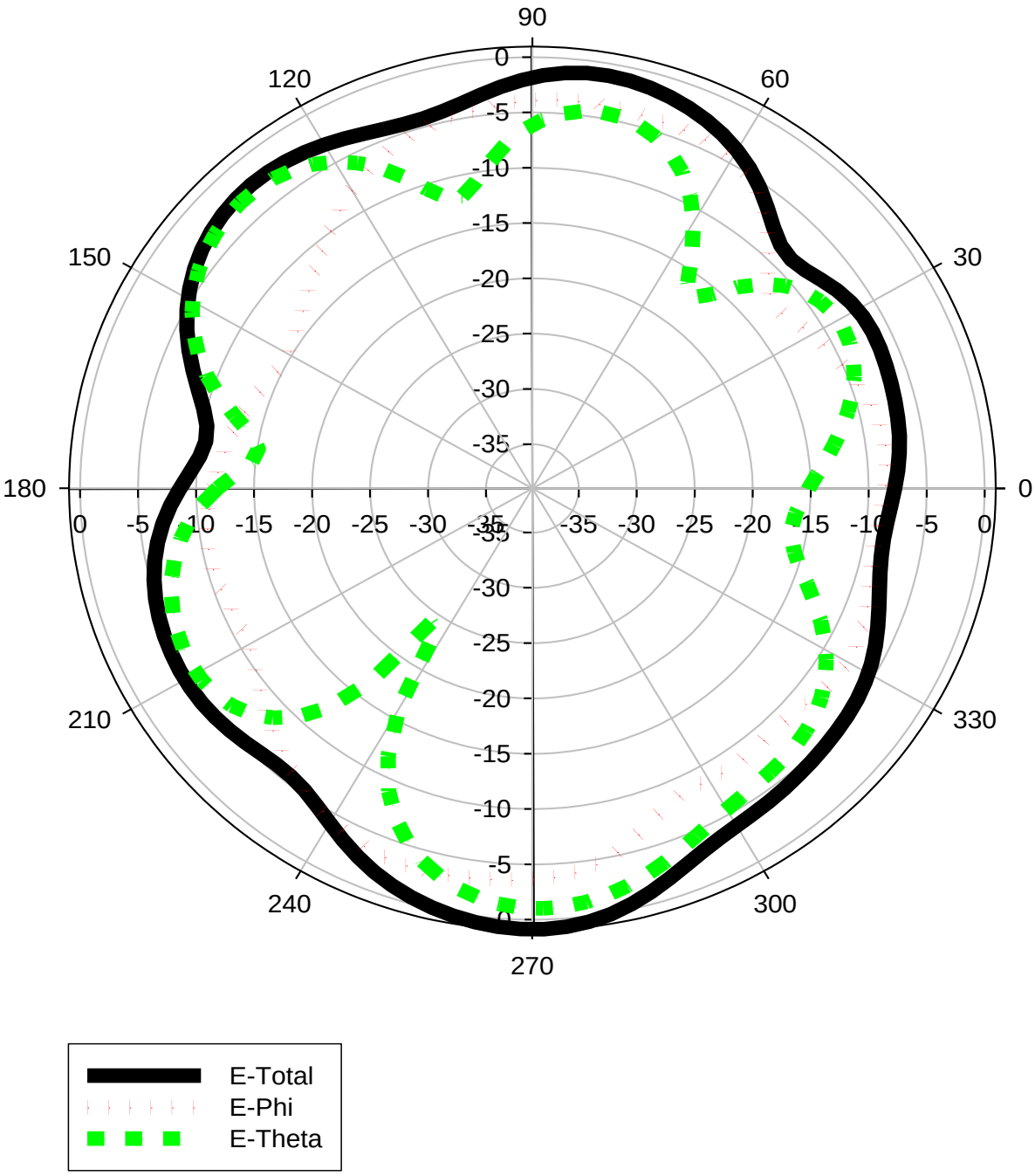
Impedance (S11)



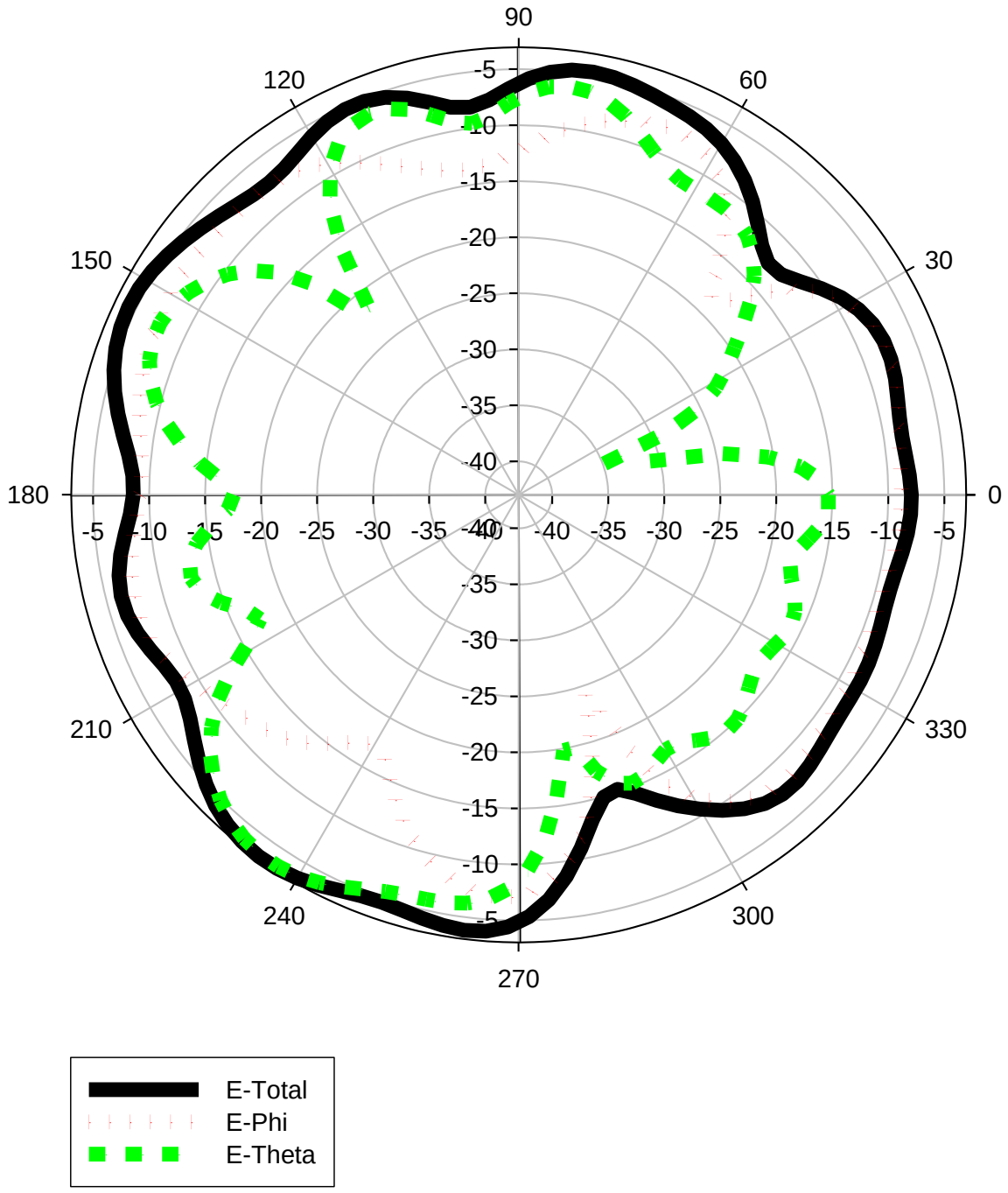
Antenna Pattern



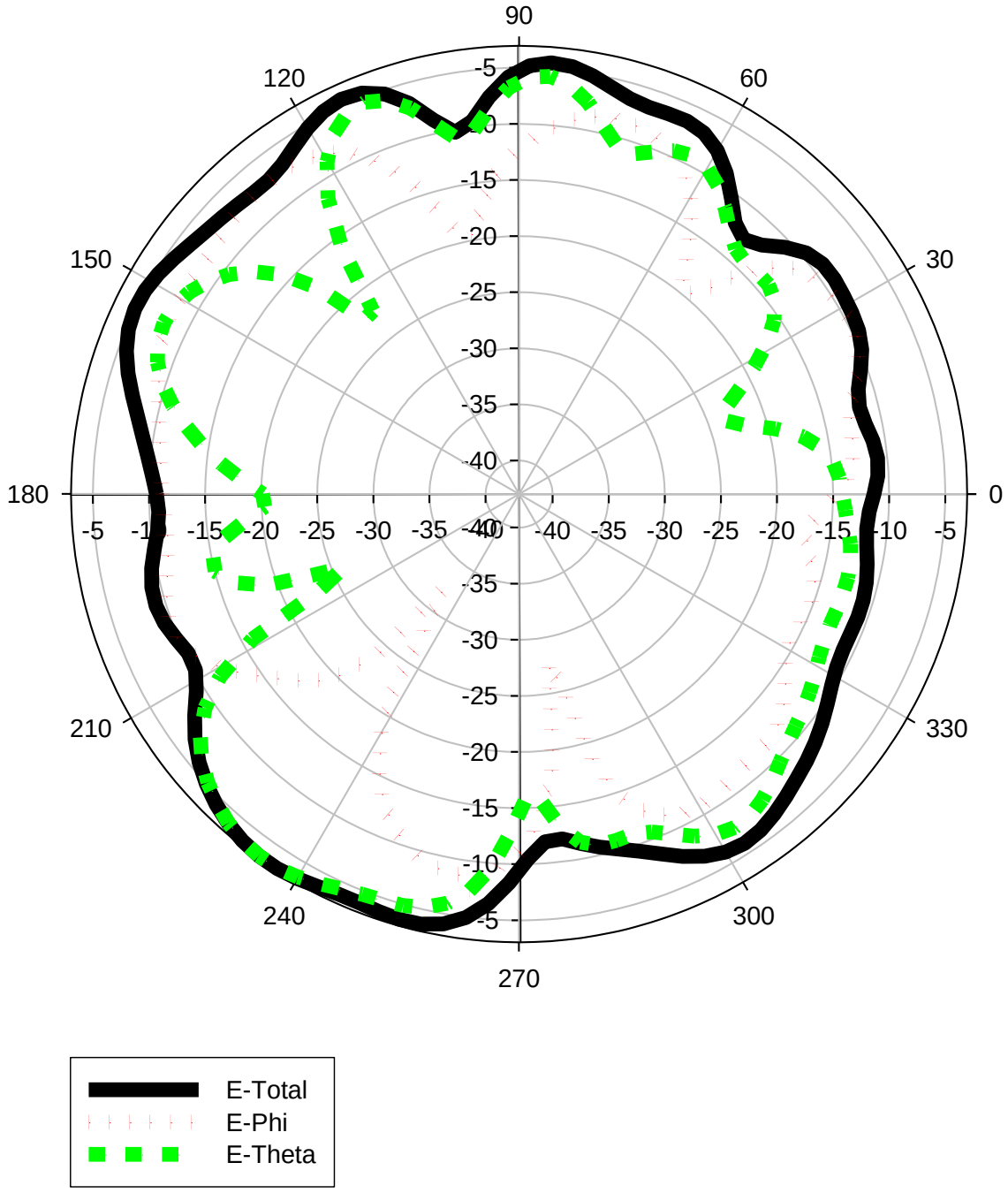
900MHz


90
120
60
150
30
180
0
210
330
240
300
270
0
-5
-10
-15
-20
-25
-30
-35
E-Total
E-Phi
E-Theta

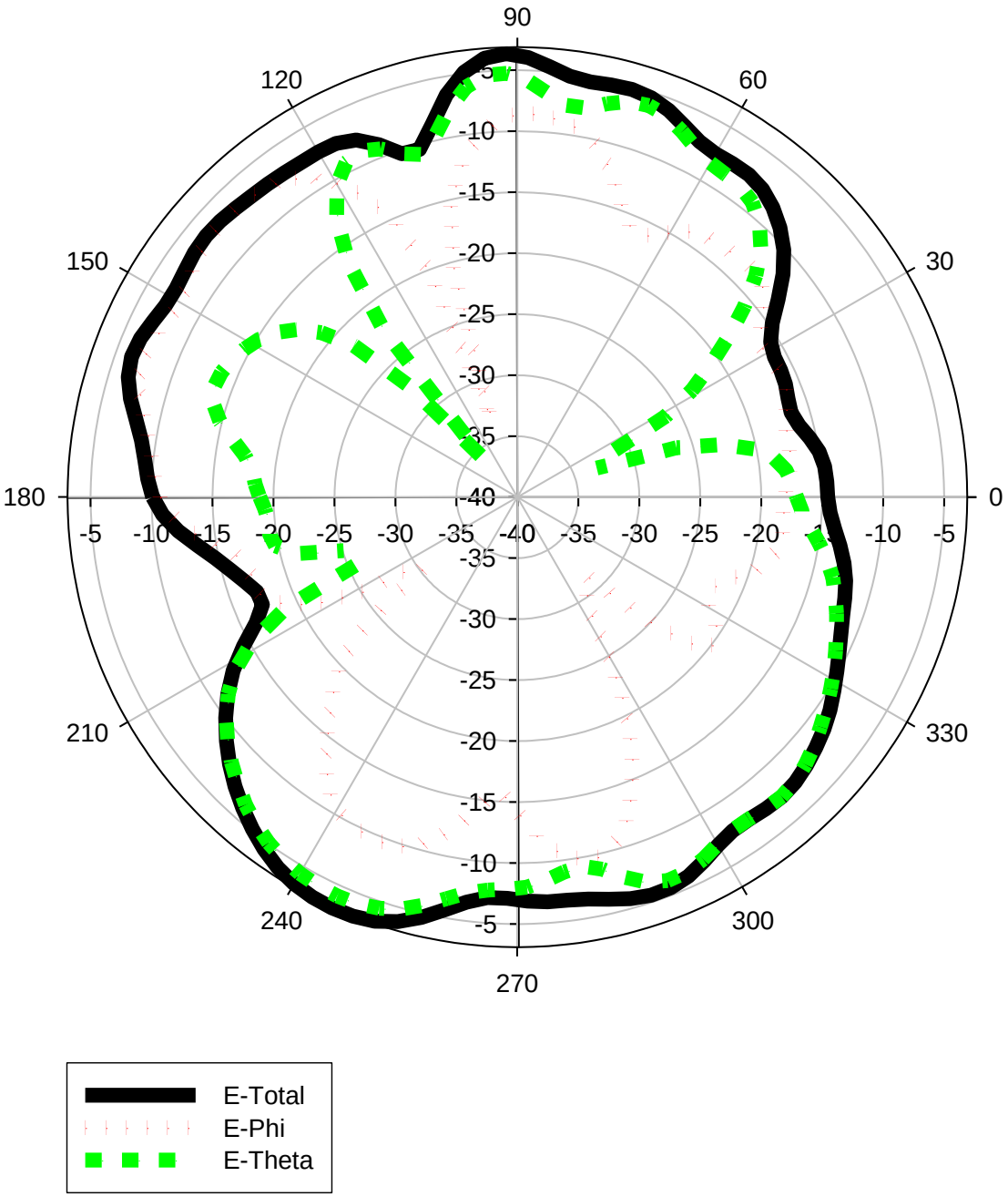
1800MHz


90
120
60
150
30
180
0
210
330
240
300
270
-5
-10
-15
-20
-25
-30
-35
-40
E-Total
E-Phi
E-Theta

1900MHz


90
120
60
150
30
180
0
210
330
240
300
270
-5
-10
-15
-20
-25
-30
-35
-40
E-Total
E-Phi
E-Theta

2100MHz


90
120
60
150
30
180
0
210
330
240
300
270
-10
-15
-20
-25
-30
-35
-40
-5
E-Total
E-Phi
E-Theta