Dual-Band Printed Antenna for IEEE802.11a/b/g of WLAN Application

1. Electrical specification

(a)

Frequency range	2.4 GHz~2.5 GHz
Peak Gain	4.27 dBi
VSWR	2.0 Max
Polarization	Linear
Impedance	50 ohm

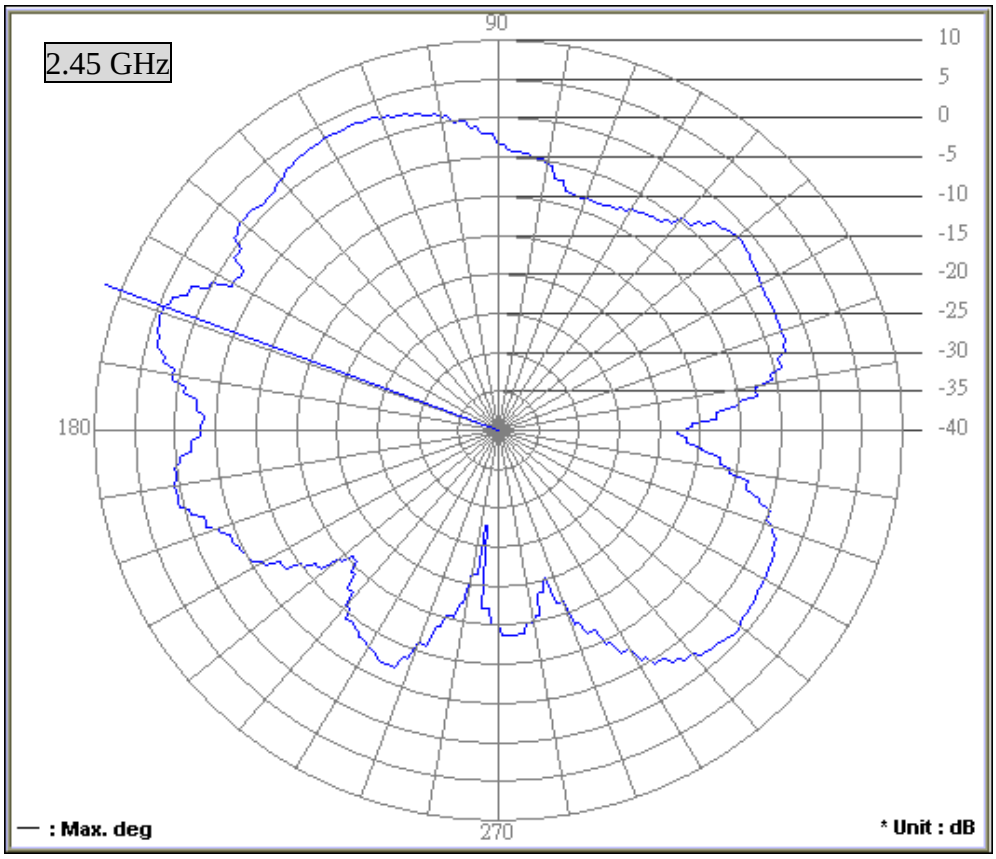
(b)

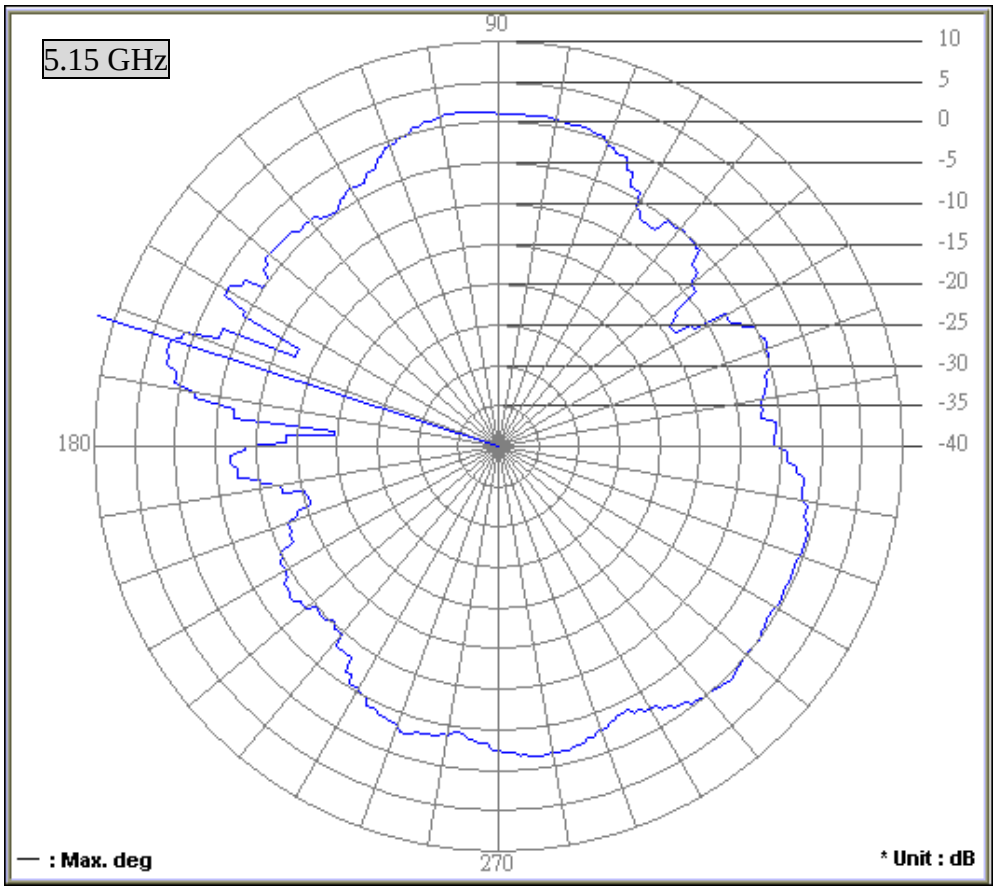
Frequency range	5.15 GHz
Peak Gain	2.69 dBi
VSWR	2.0 Max
Polarization	Linear
Impedance	50 ohm

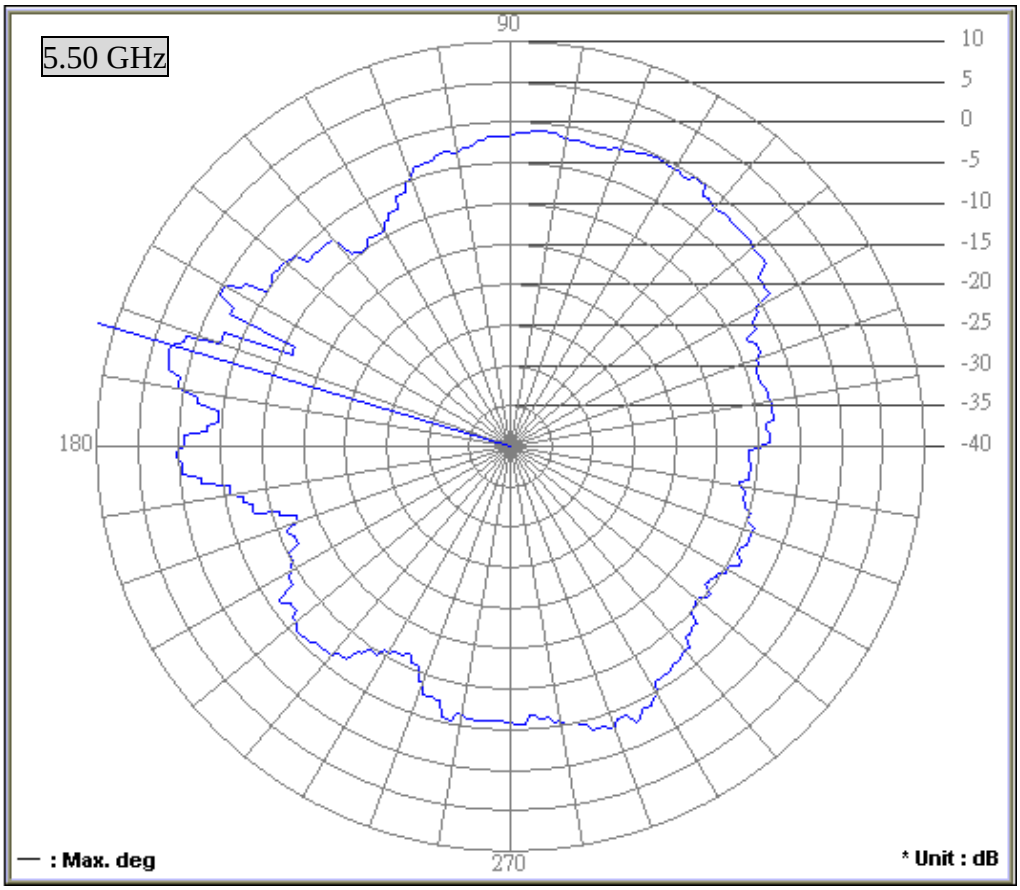
Frequency range	5.50 GHz
Peak Gain	2.81 dBi
VSWR	2.0 Max
Polarization	Linear
Impedance	50 ohm

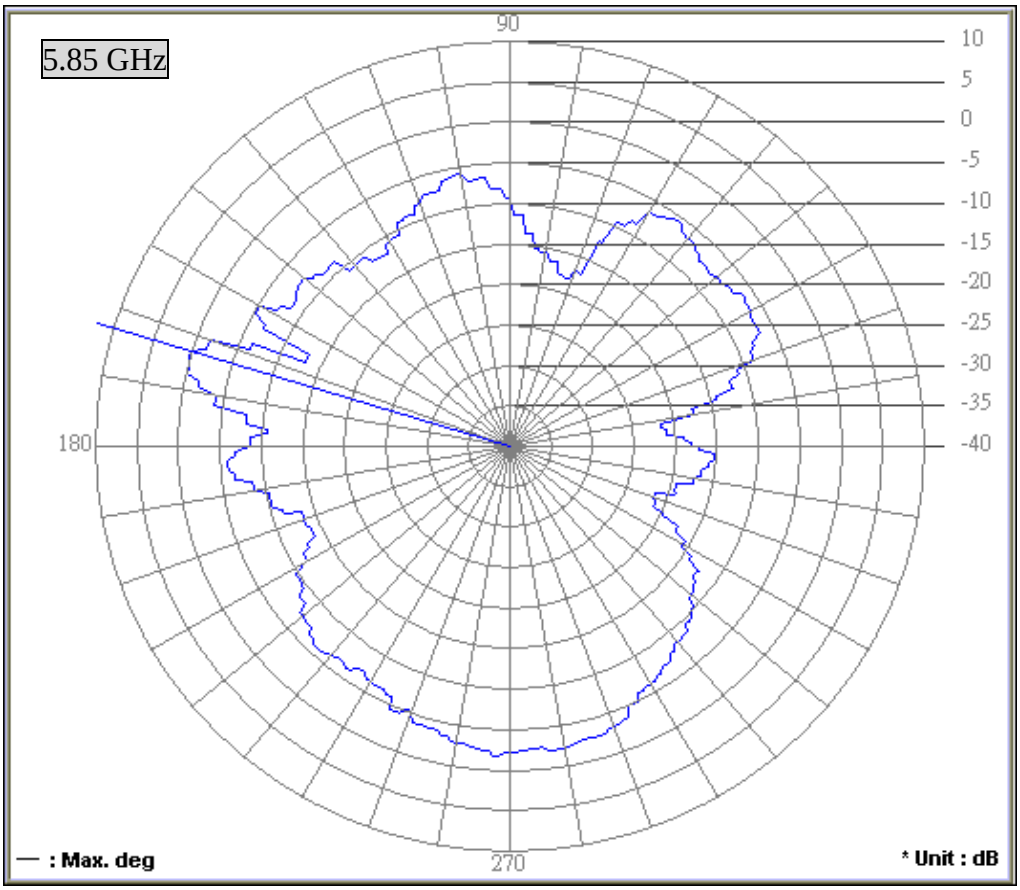
Frequency range	5.85 GHz
Peak Gain	0.24 dBi
VSWR	2.0 Max
Polarization	Linear
Impedance	50 ohm

2. Antenna Pattern (x-y plane)

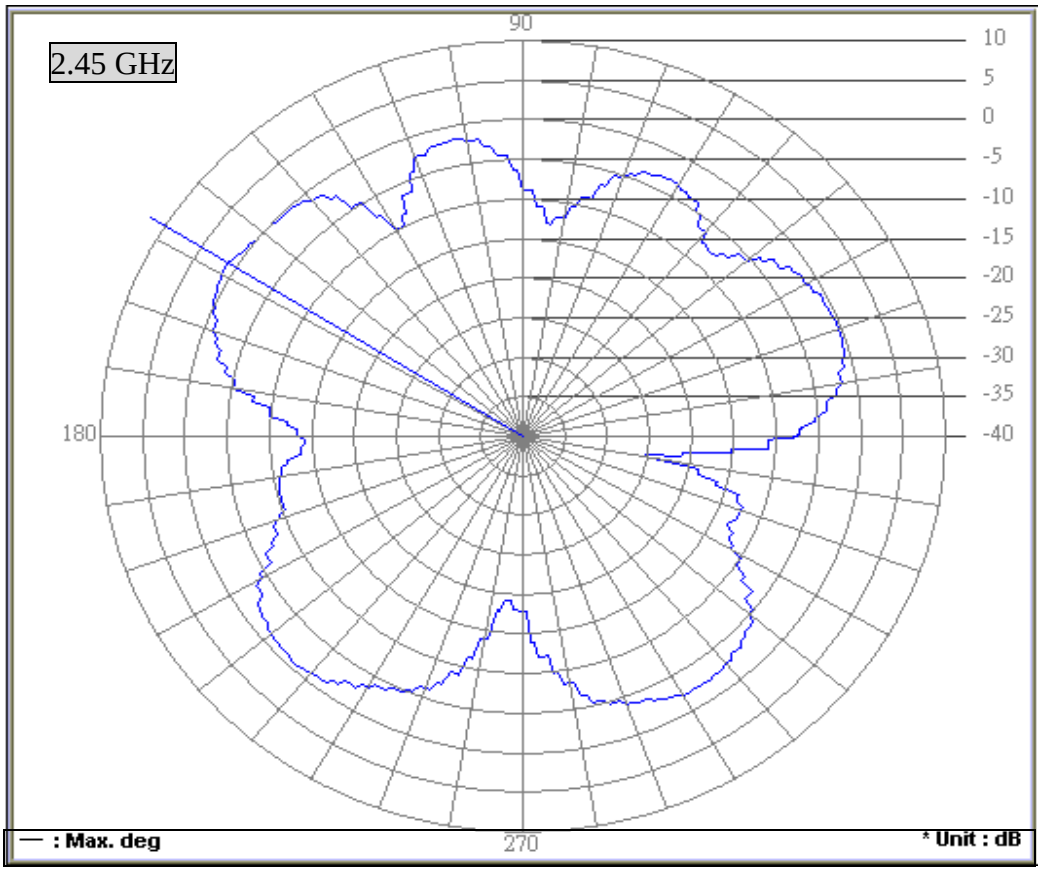


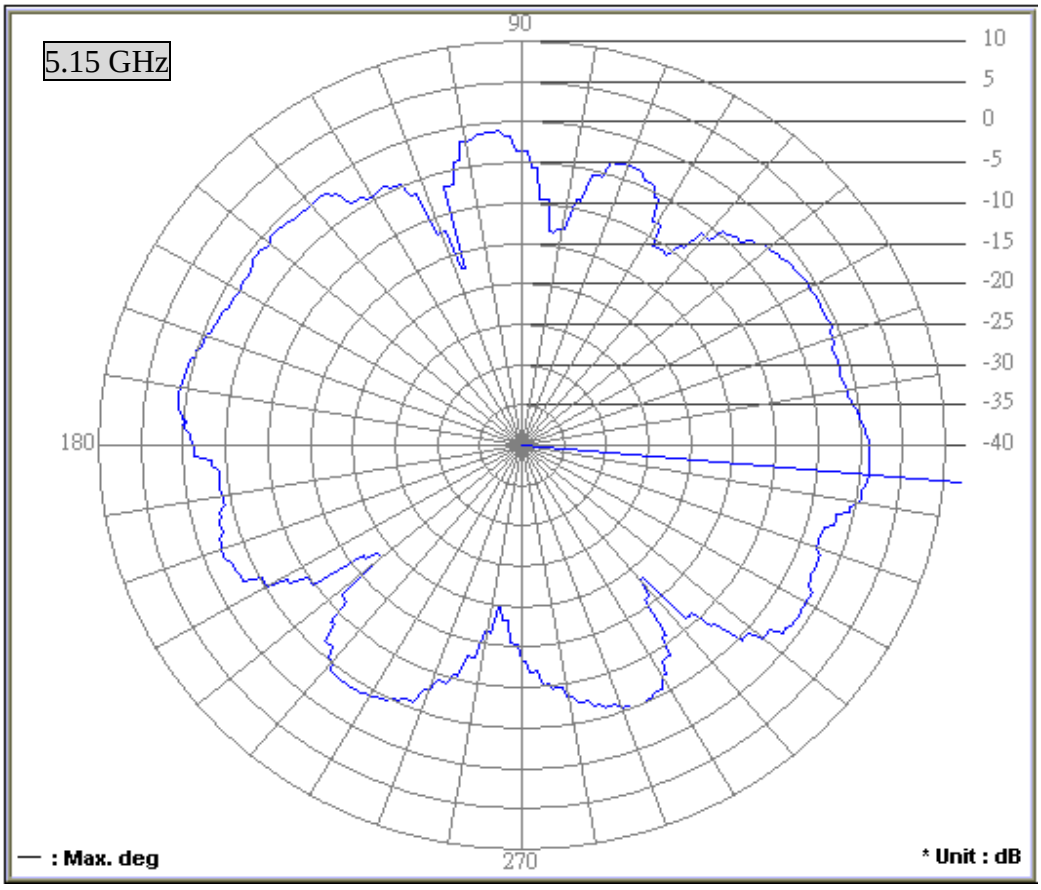


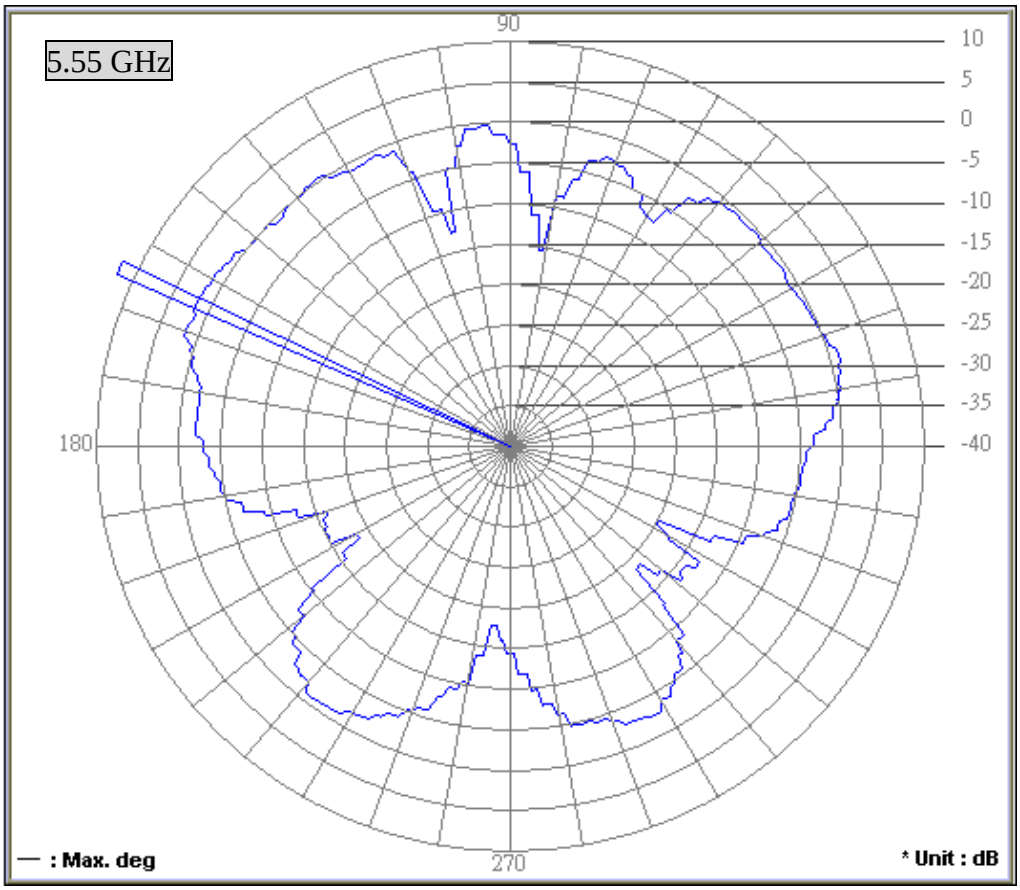

5.50 GHz
90
180
270
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
— : Max. deg
* Unit : dB

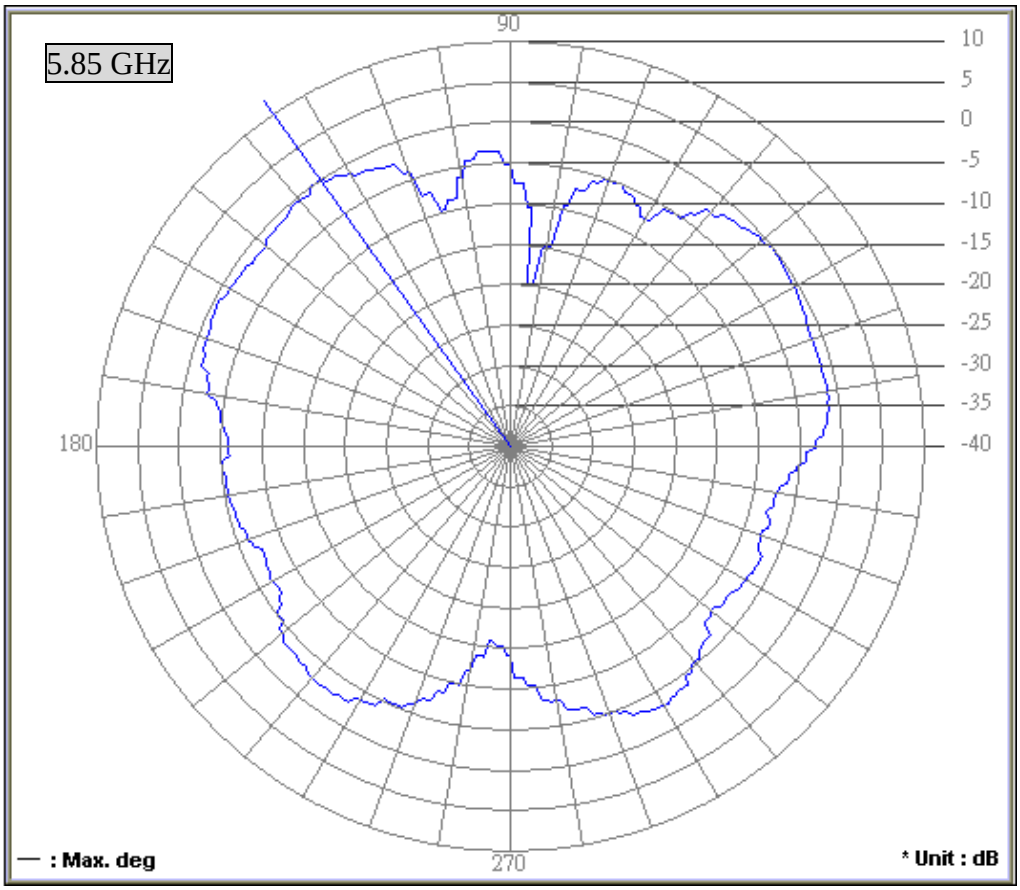

5.85 GHz
90
180
270
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
— : Max. deg
* Unit : dB

3. Antenna Pattern (x-z plane)

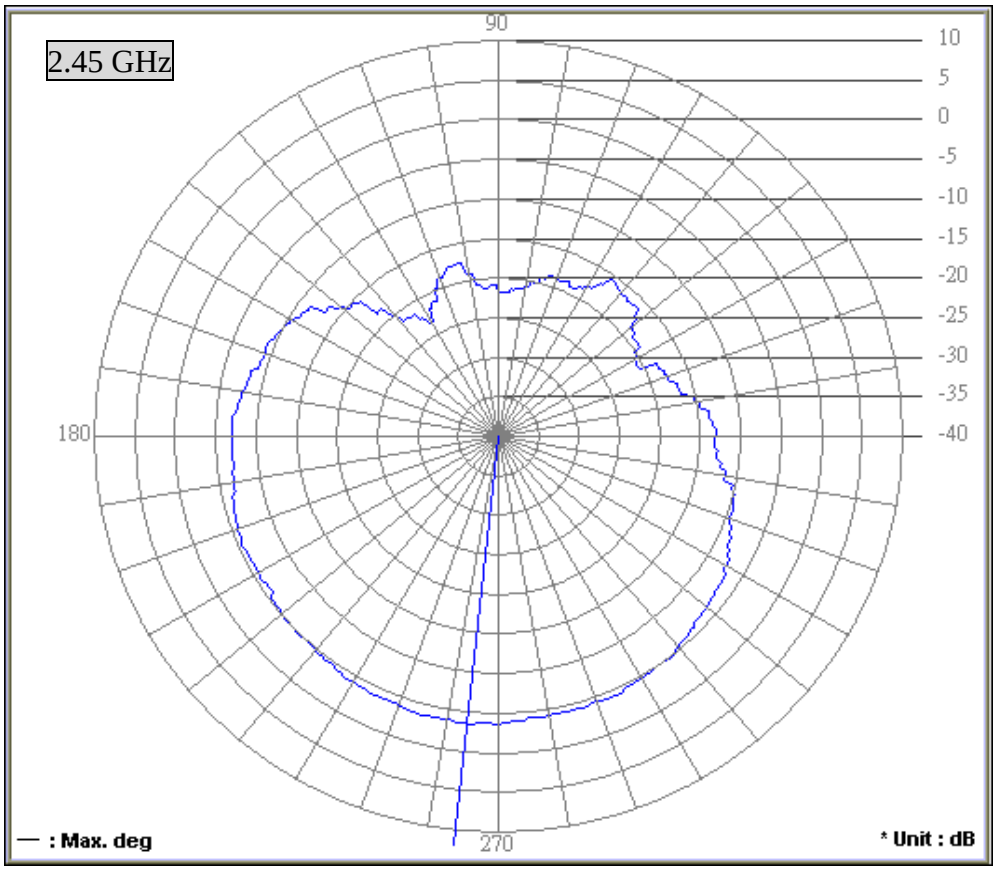


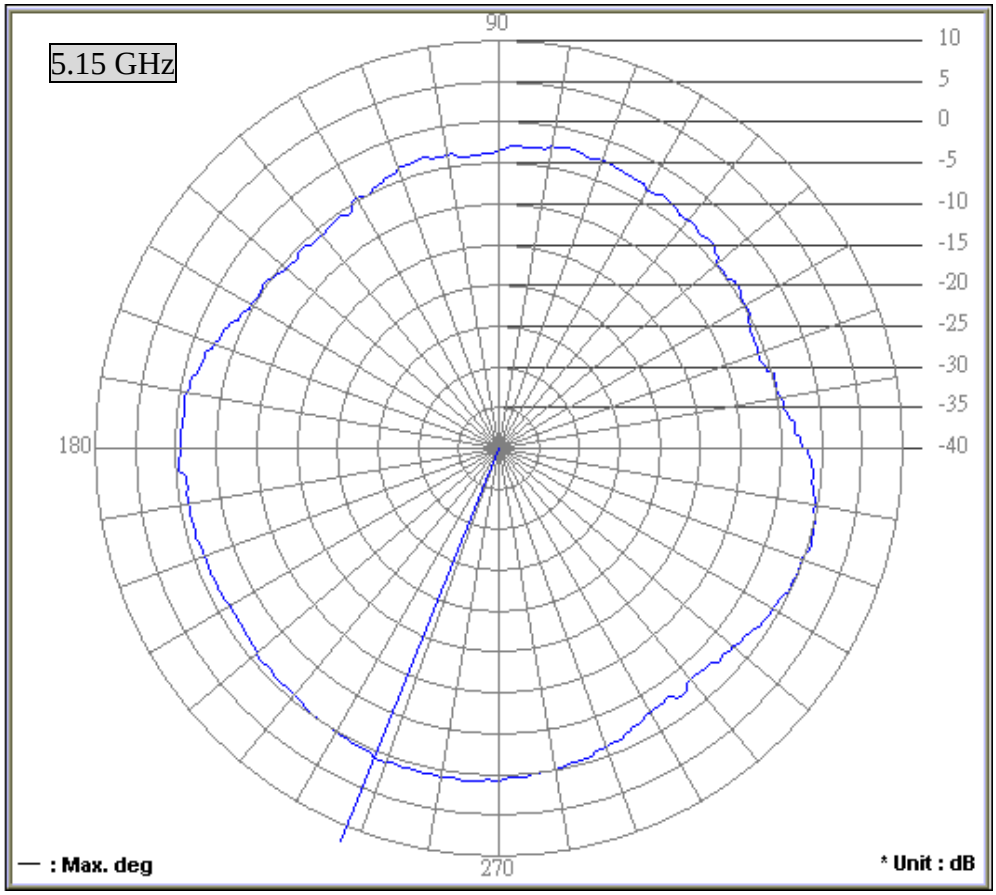


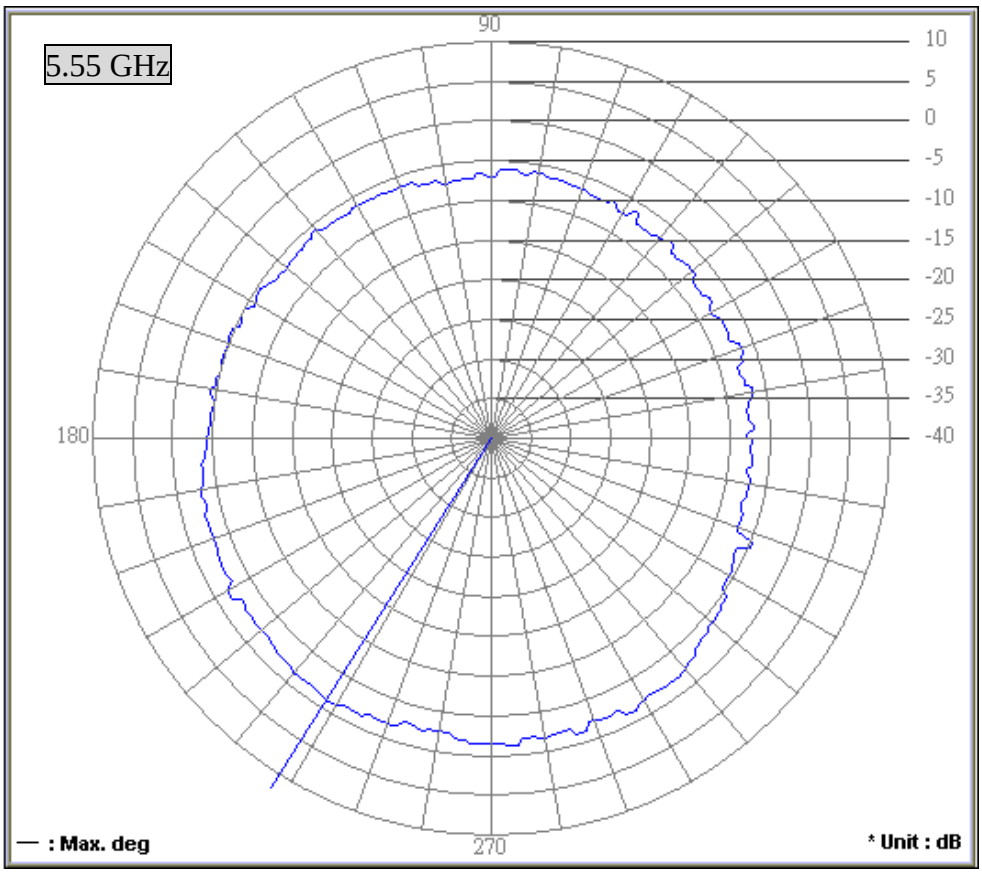

5.55 GHz
90
180
270
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
— : Max. deg
* Unit : dB

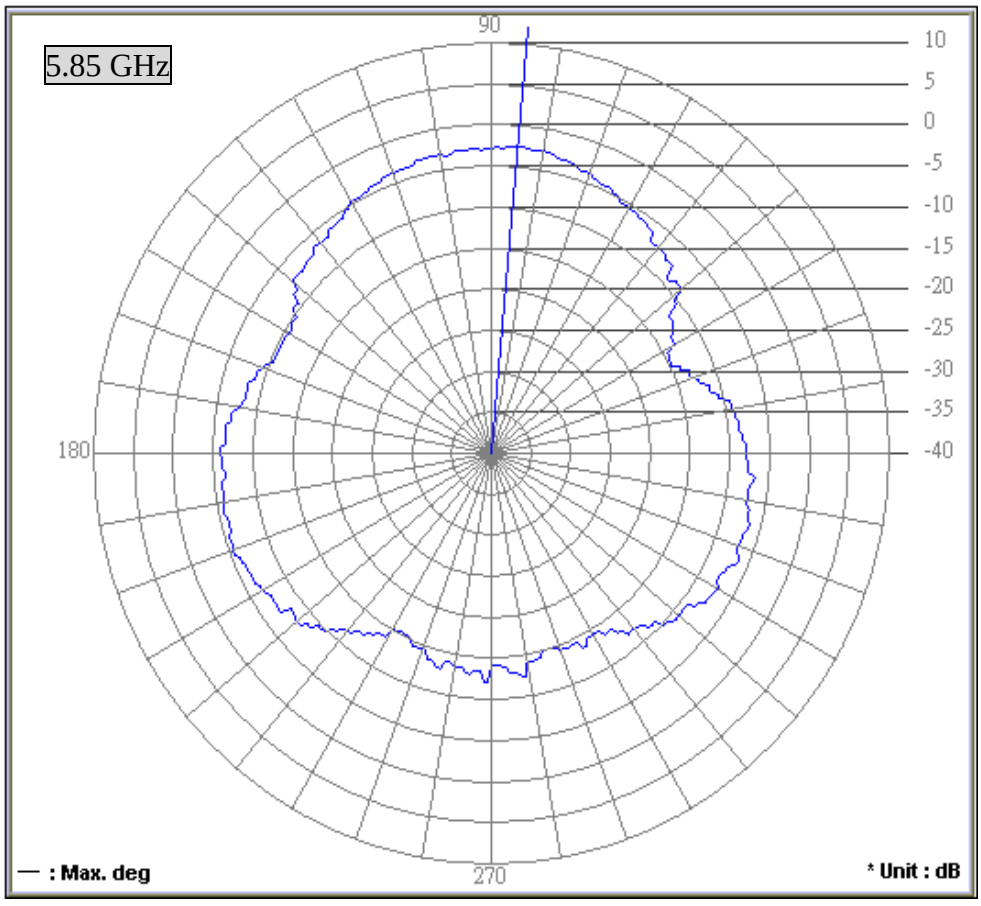

5.85 GHz
90
180
270
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
— : Max. deg
* Unit : dB

4. Antenna Pattern (y-z plane)






5.55 GHz
90
180
270
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
— : Max. deg
* Unit : dB


5.85 GHz
90
180
270
10
5
0
-5
-10
-15
-20
-25
-30
-35
-40
— : Max. deg
* Unit : dB