

Antenna Report

Project: Dual-Channel Digital UHF Wireless Audio System for Filmmakers

Antenna Vendor: Jiayz

Antenna1: whip antenna, peak gain 2dBi

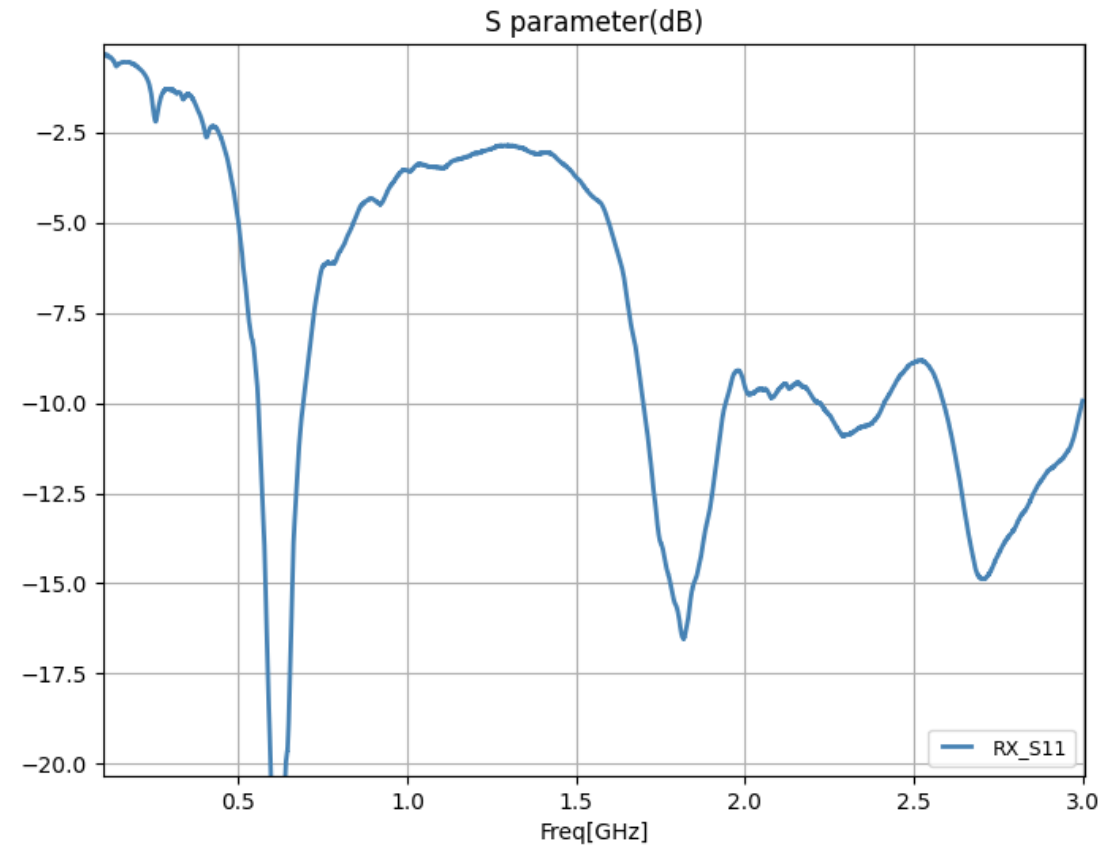
Antenna2: FPC antenna, peak gain -10dBi

Antenna3: FPC antenna, peak gain -10dBi

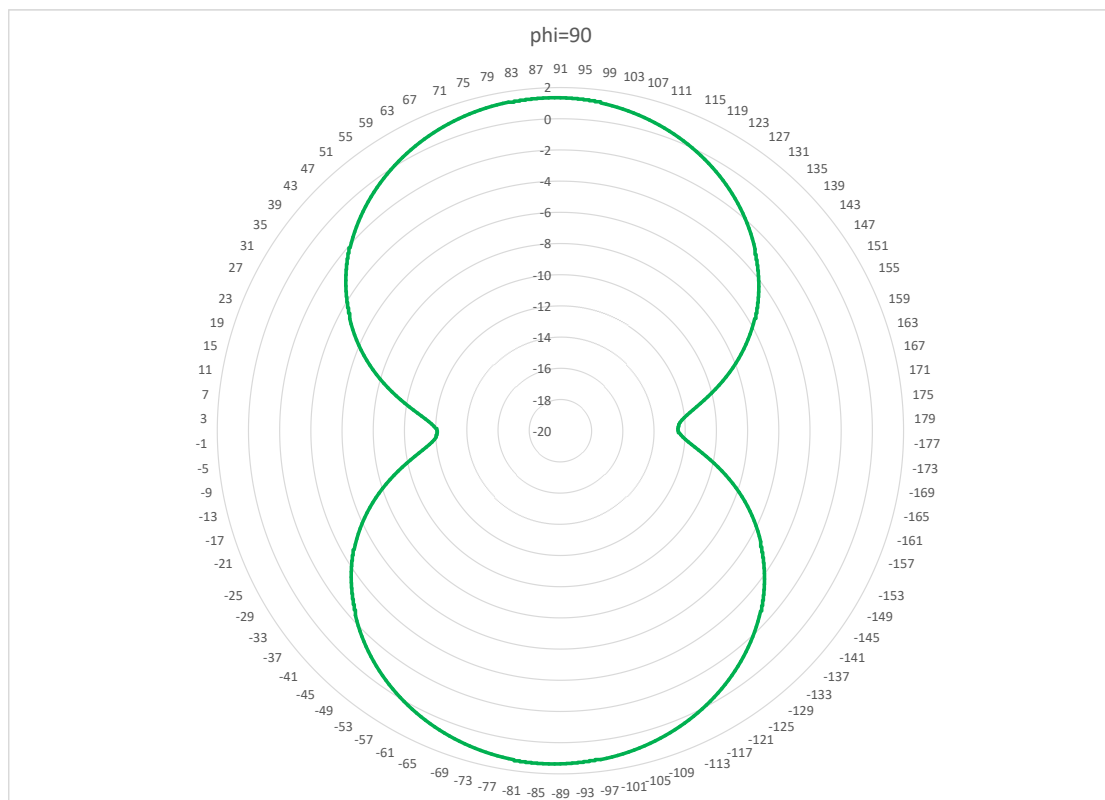
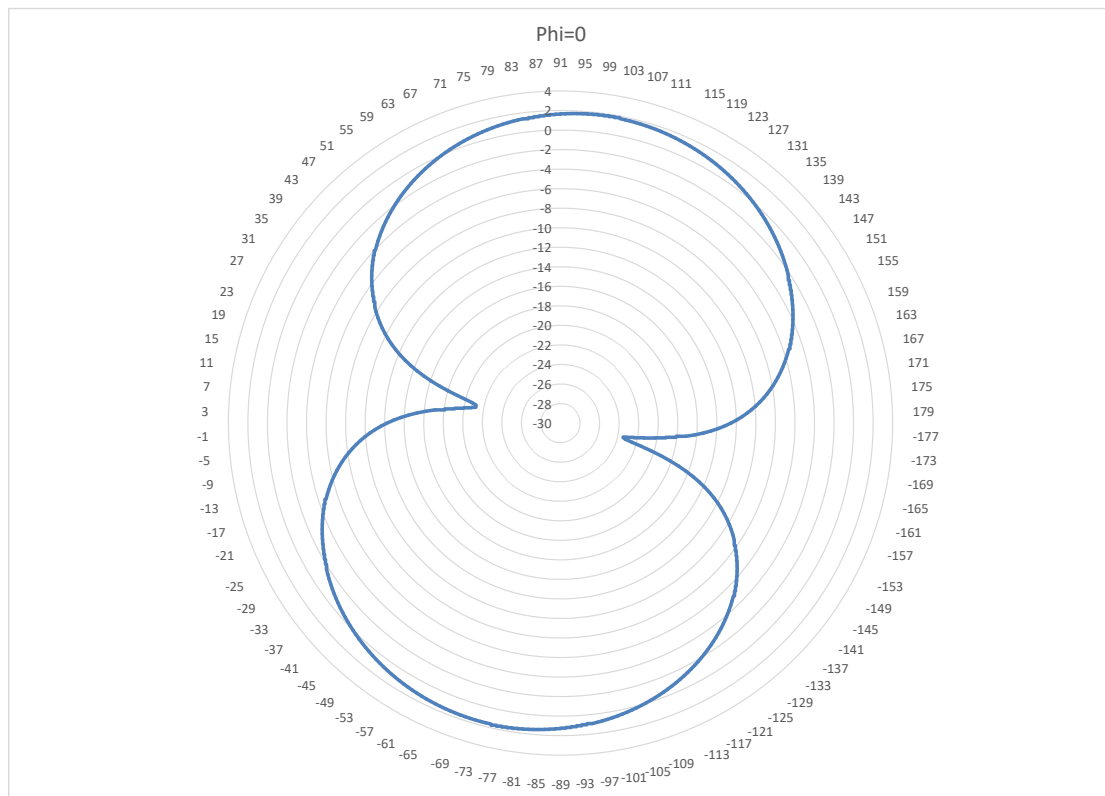
● Antenna1:

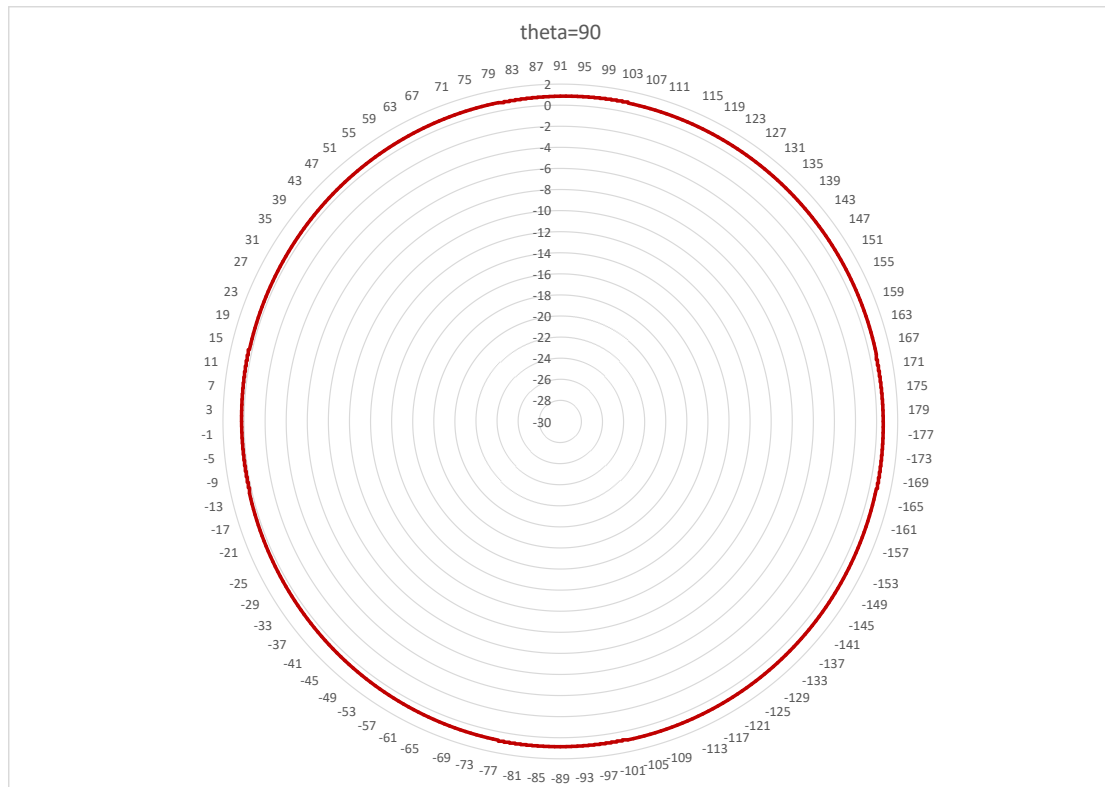
Freq MHz	Antenna Gain dBi
550	1.13
570	1.33
580	1.72
590	1.86
614	2.0

Antenna return loss:



Radiation pattern@614MHz:





Antenna Photo

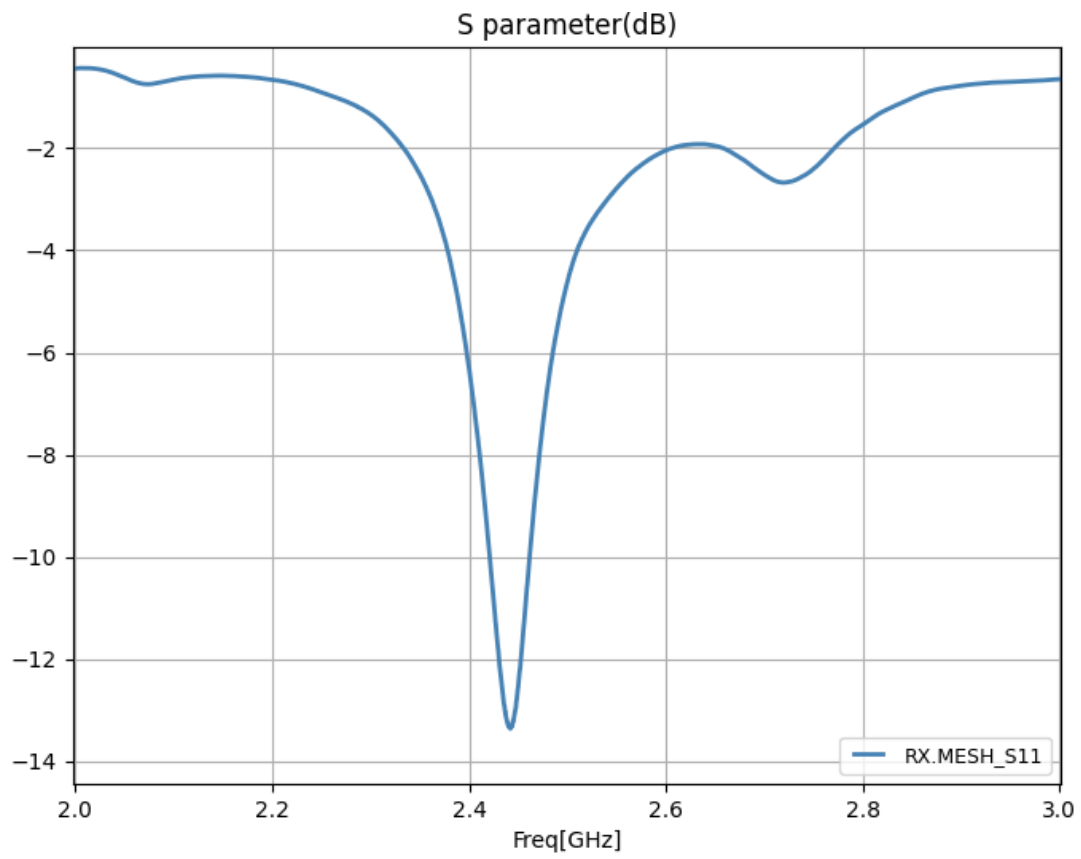


Dimension:Length=130mm, 3.5mmSMA-J

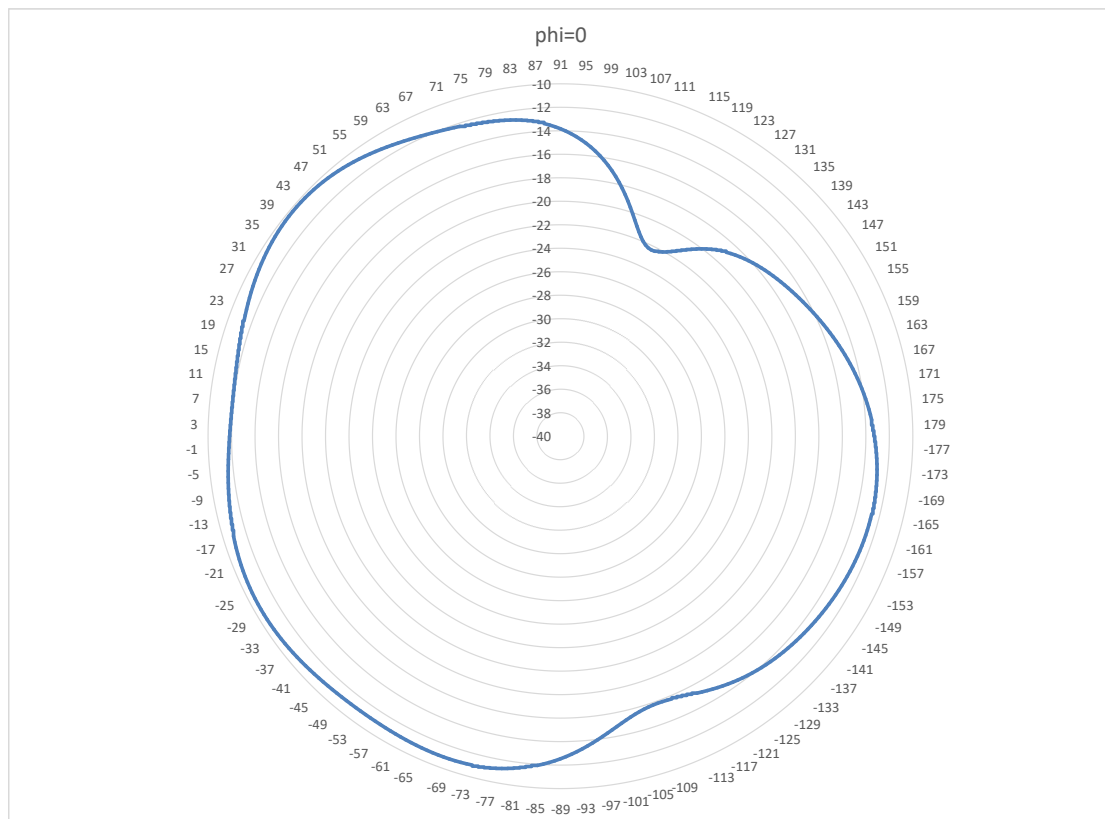
● Antenna2:

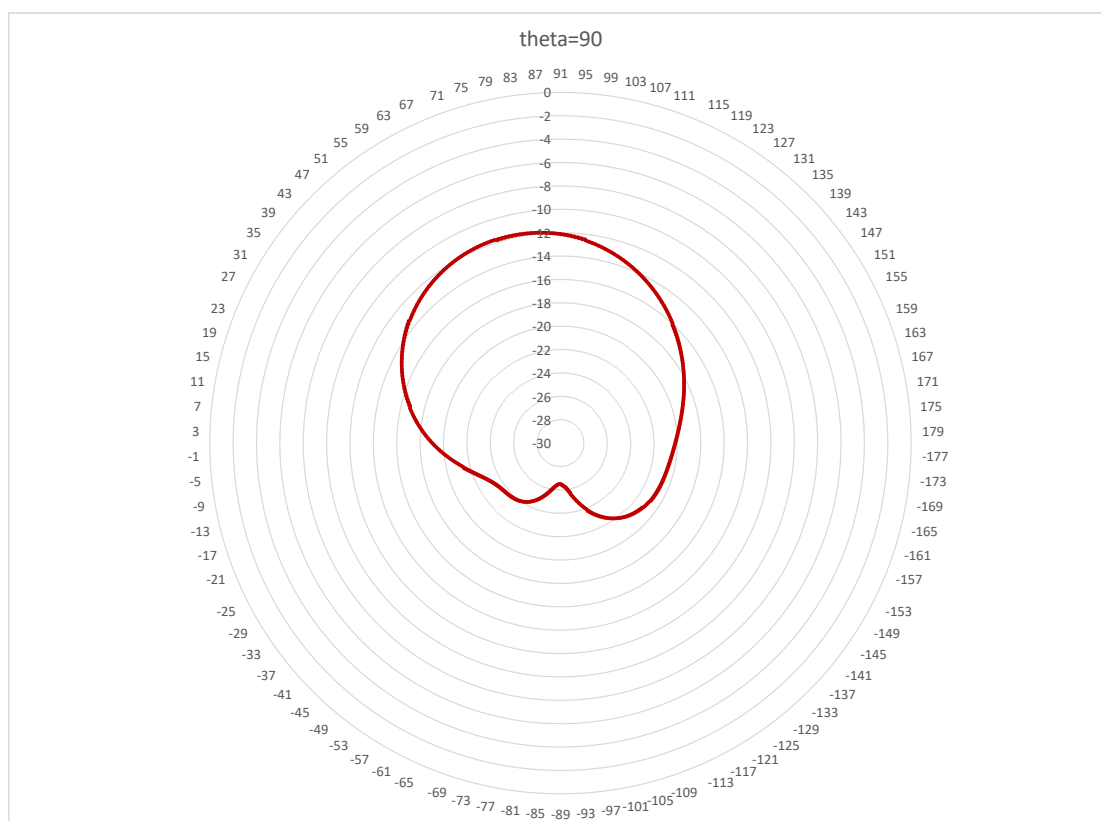
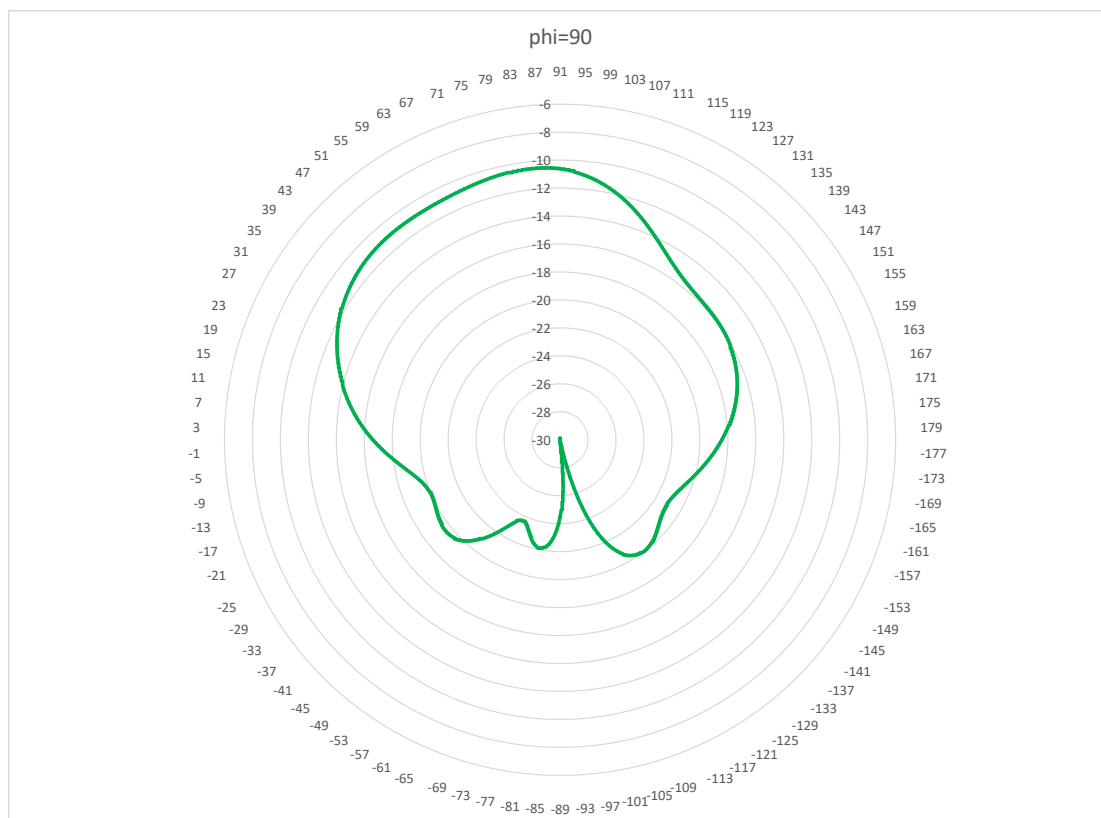
Freq MHz	Antenna Peak Gain dBi
2400	-10.4
2440	-10
2480	-10.6

Antenna return loss:



Radiation pattern@2.44G:





Antenna Photo

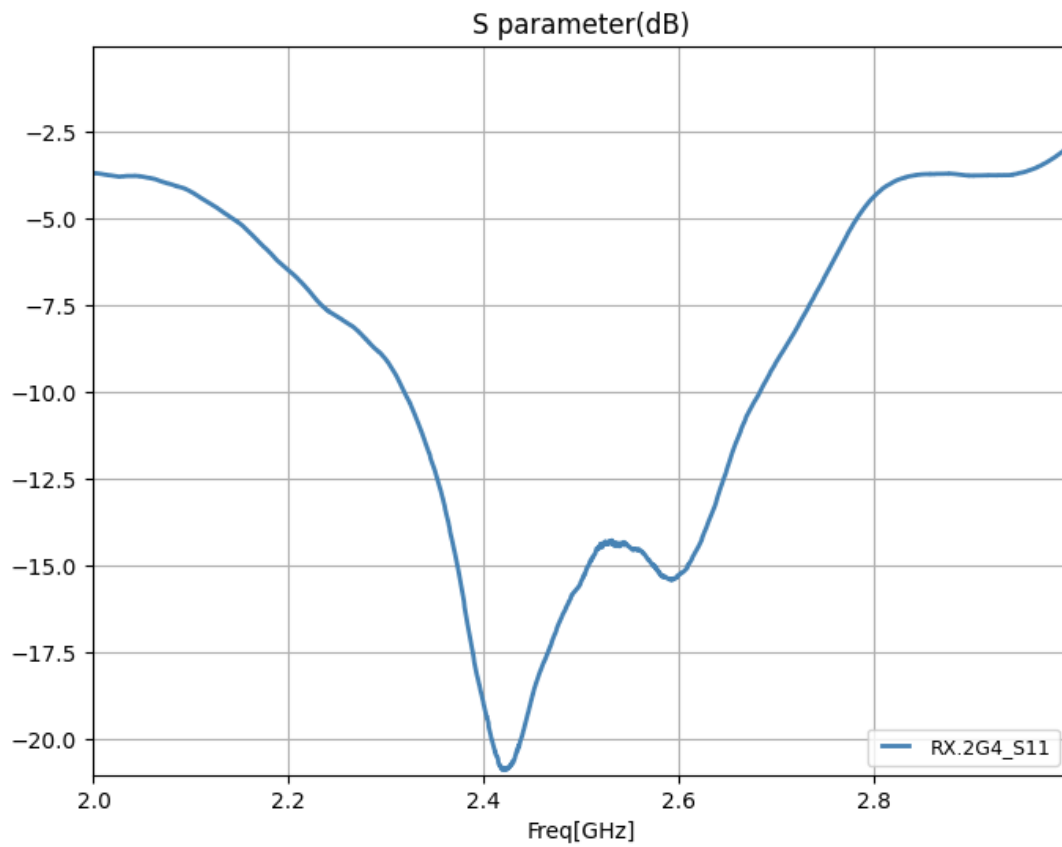


Dimension:45mmX4.5mm(cable:Length=38mm)

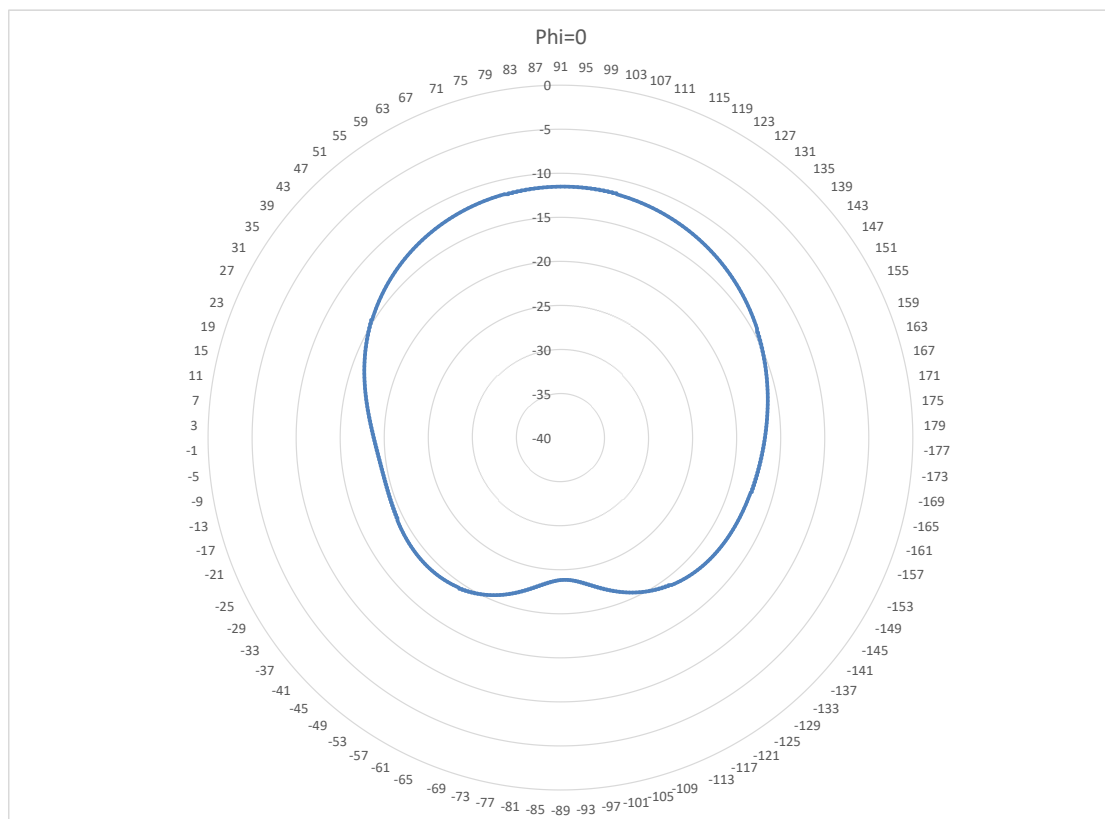
● Antenna3:

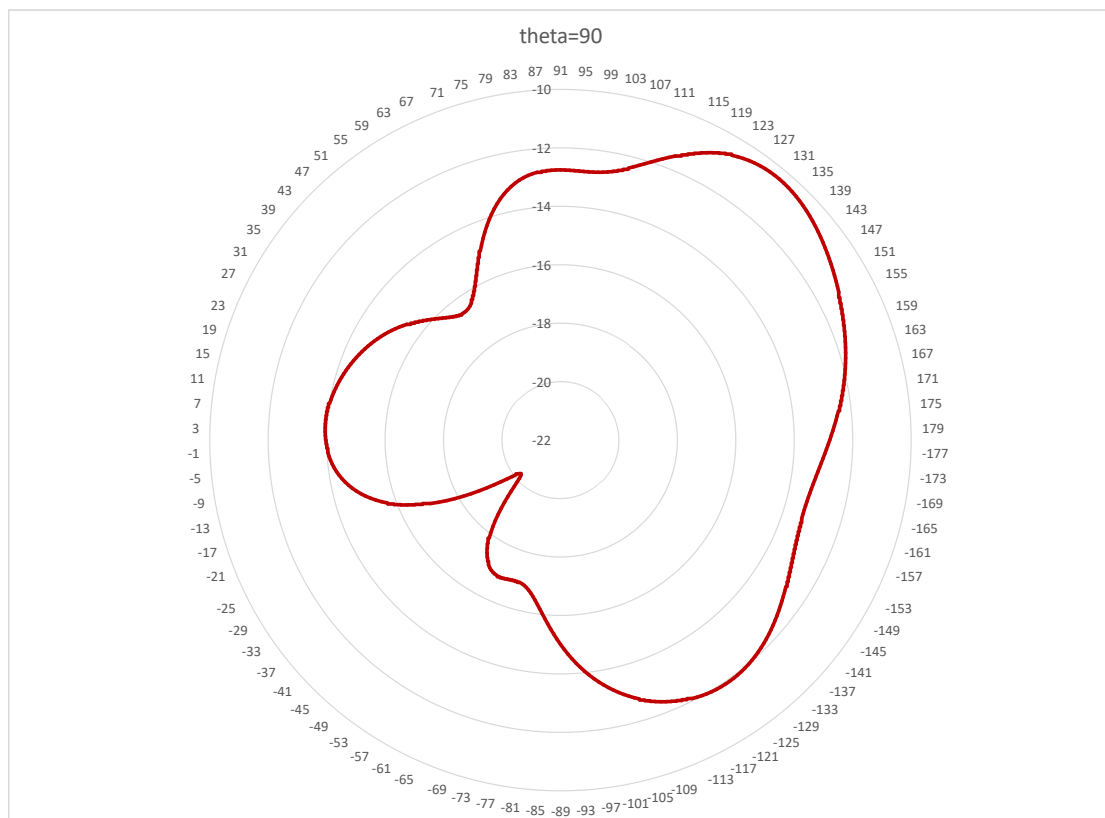
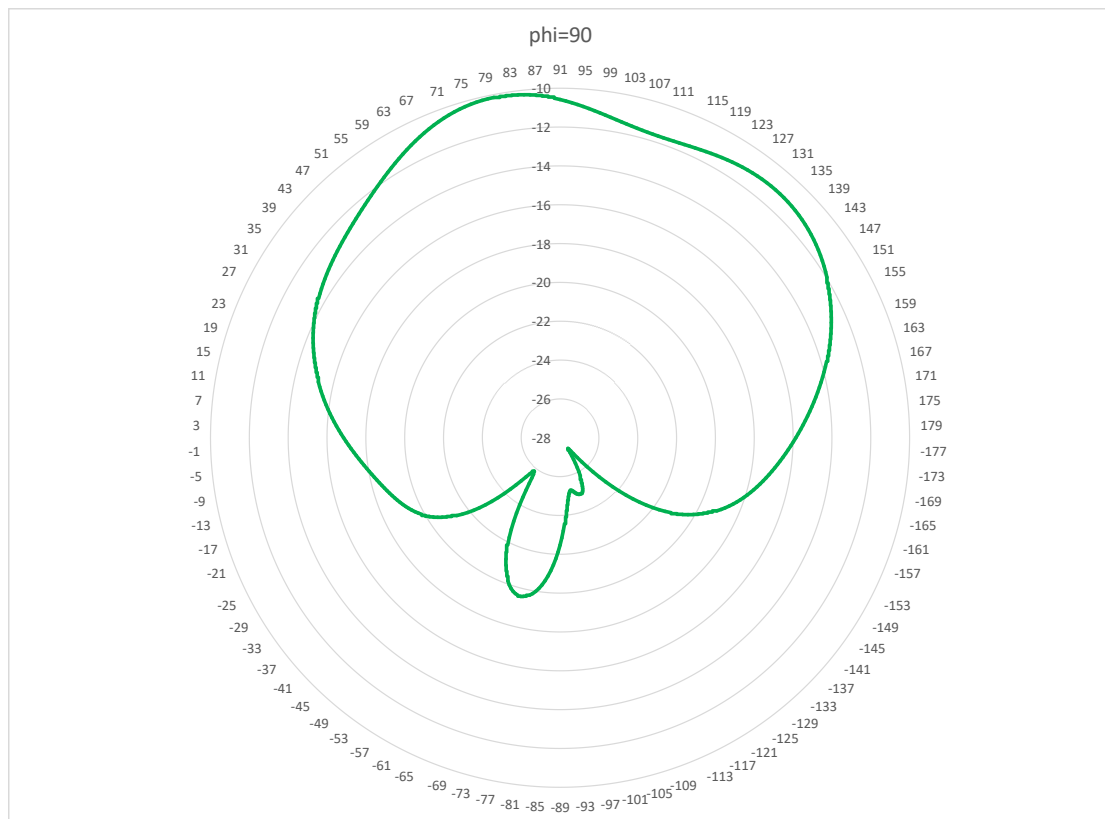
Freq MHz	Antenna Peak Gain dBi
2400	-10
2440	-10.6
2480	-10.8

Antenna return loss:



Radiation pattern@2.4GHz:





Antenna Photo



Dimension:38mmX6mm(cable:Length=32mm)