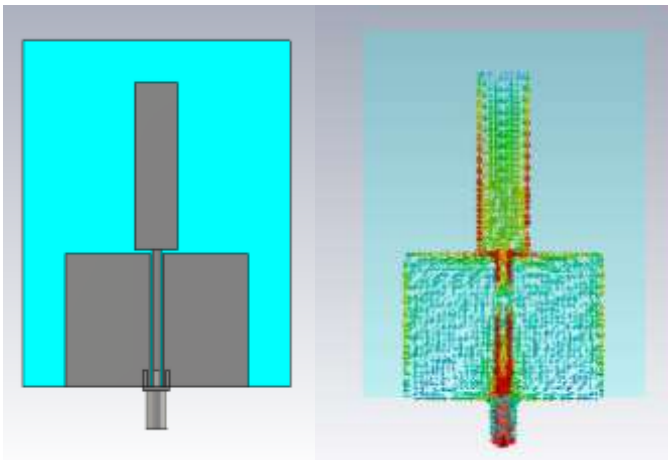
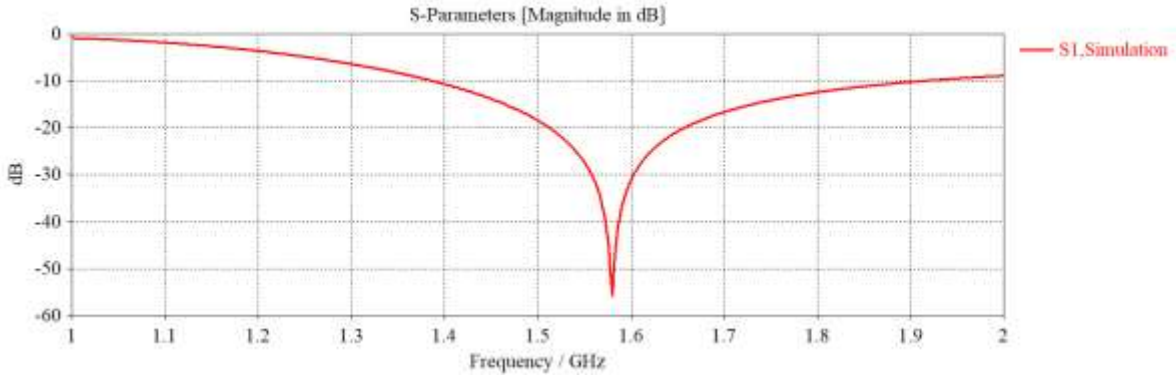
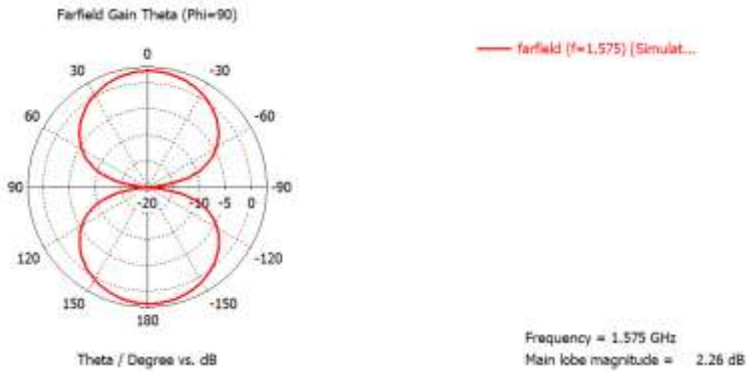
Design 1

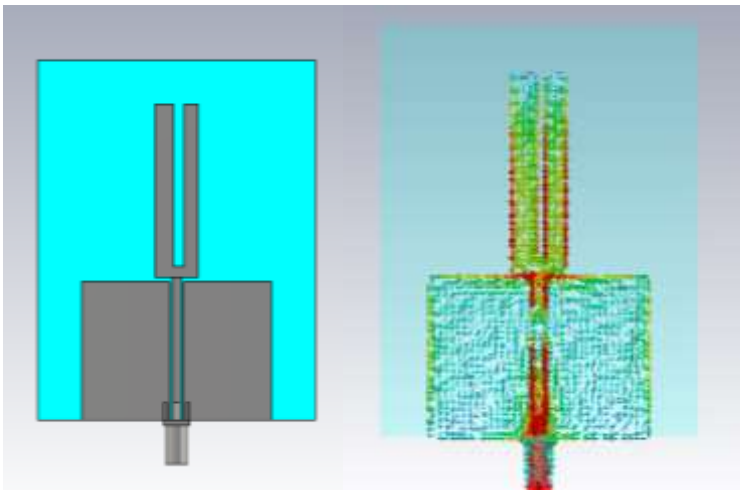




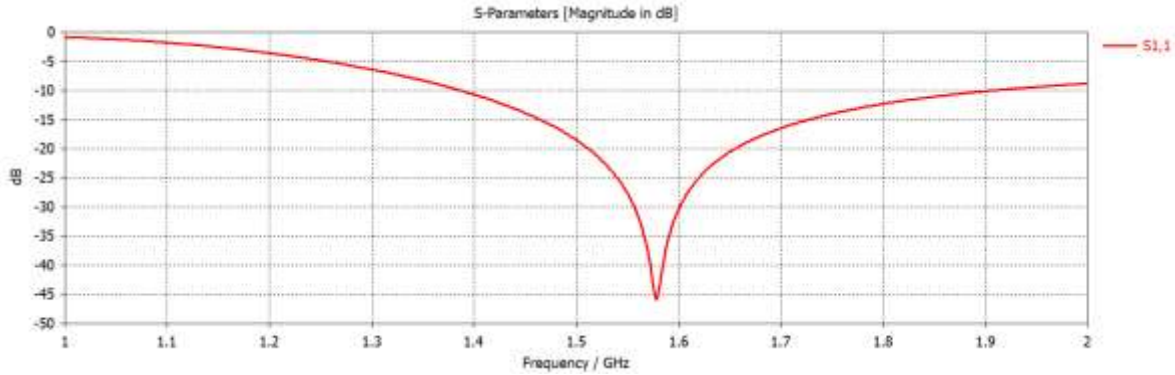
Design 1 S11 Result



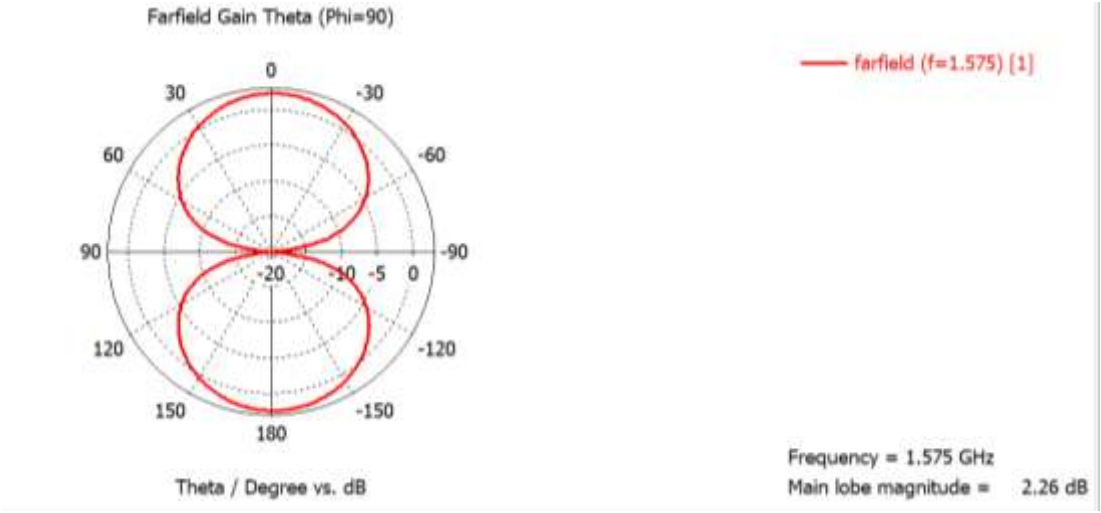
Design 1 Radiation Pattern



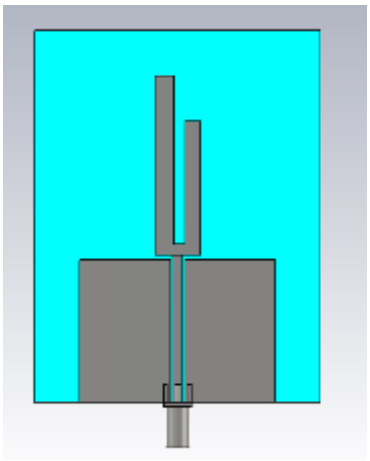
Design 2

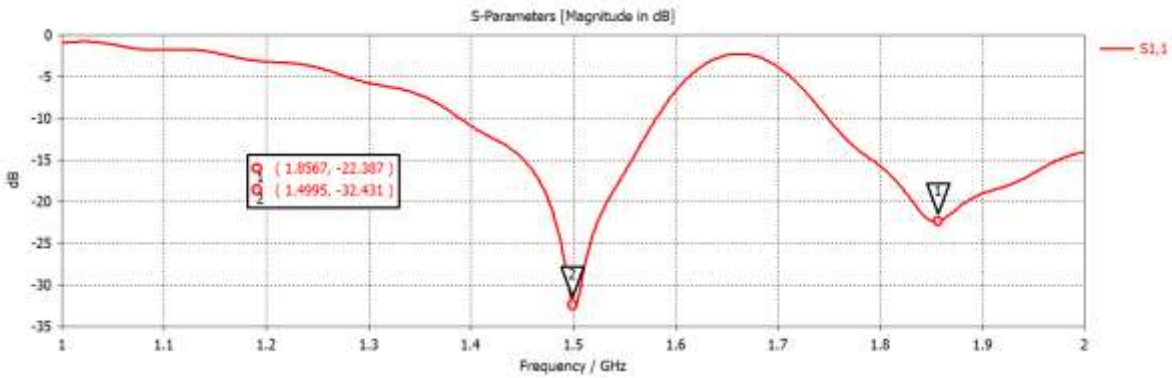


Design 2 S11

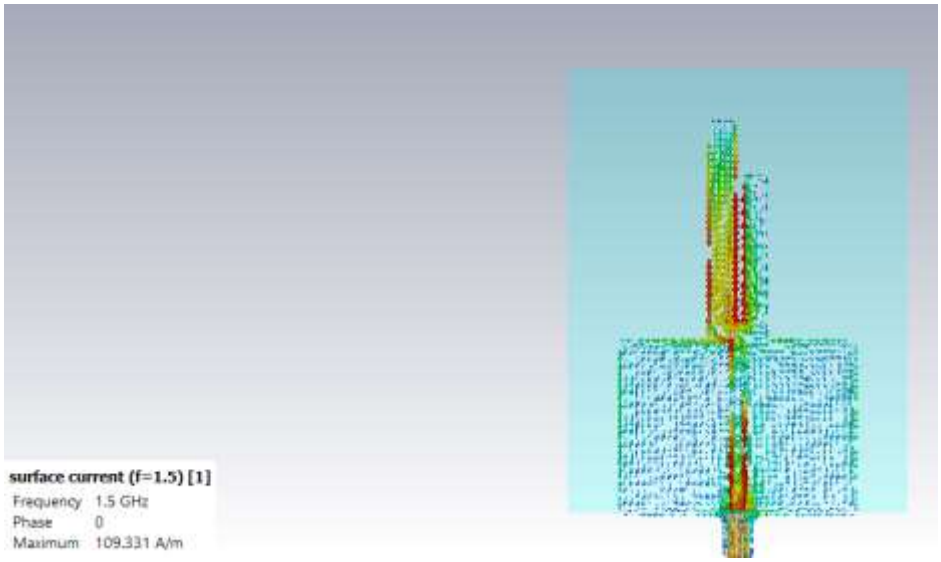


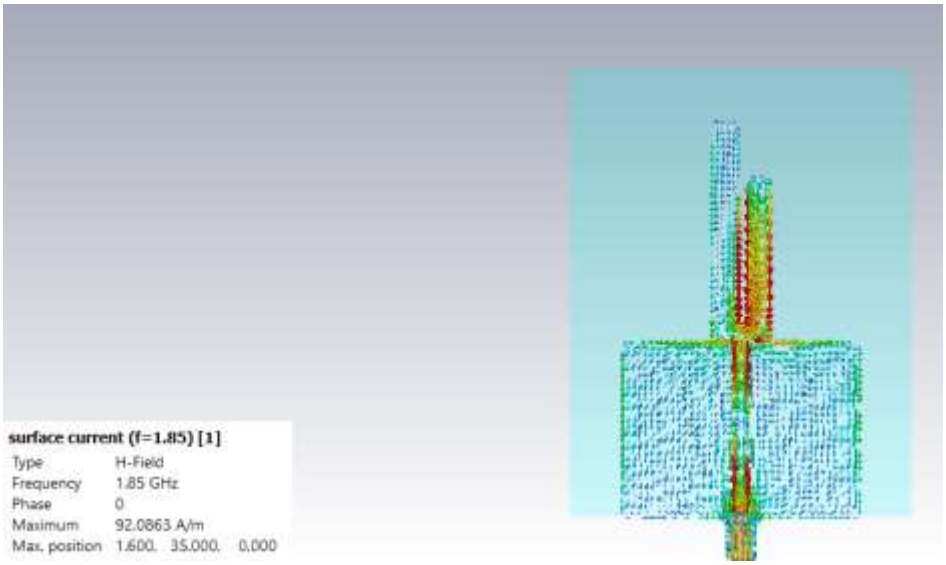
Design 4





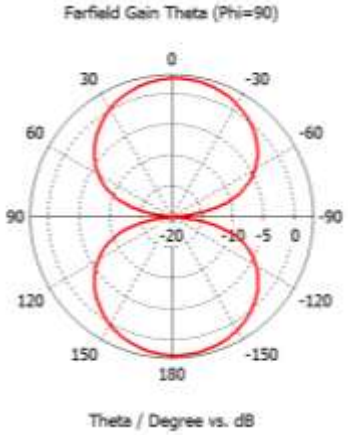
Design 3 S11



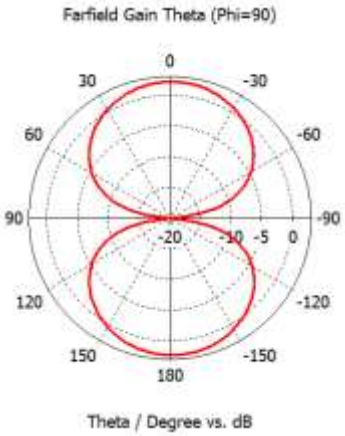


surface current (f=1.85) [1]

Type	H-Field
Frequency	1.85 GHz
Phase	0
Maximum	92.0863 A/m
Max. position	1.600, 35.000, 0.000

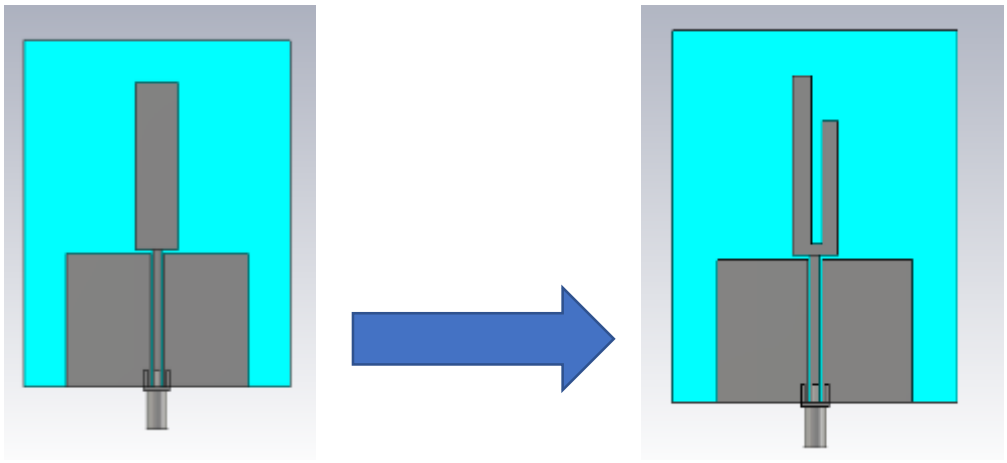


Frequency = 1.85 GHz
Main lobe magnitude = 2.43 dB

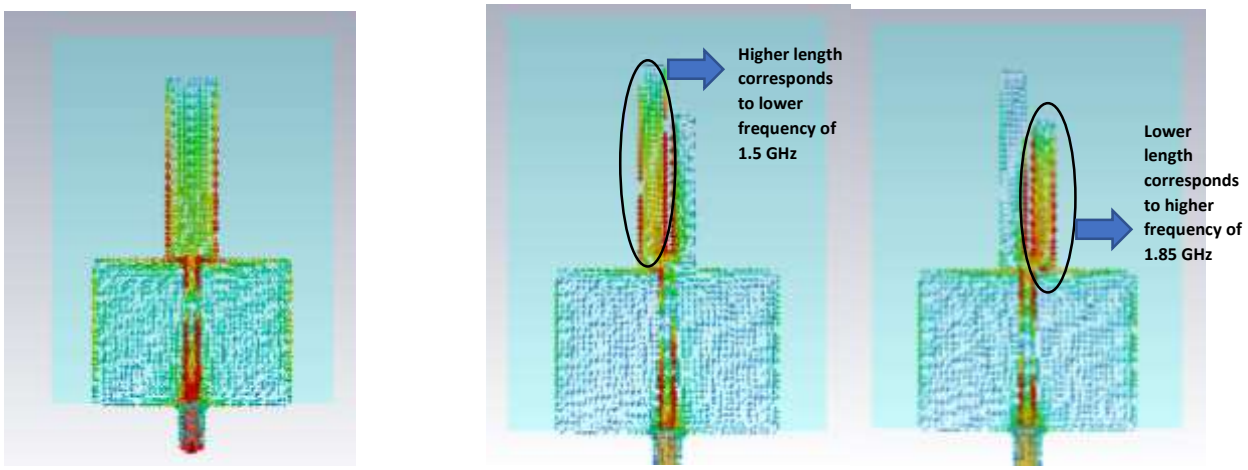


Frequency = 1.5 GHz
Main lobe magnitude = 2.17 dB

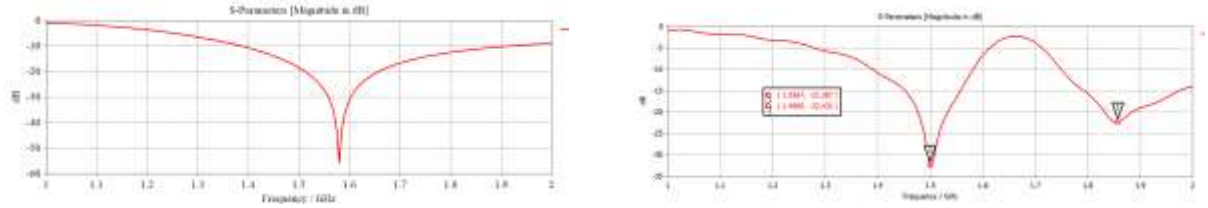
Summary (Design Flow for getting multiband antenna)



Design 1 (Single Band Antenna) **Proposed Design (Dual band Antenna by Cutting Slot)**



Single band antenna JSurf **Dual band antenna JSurf**



Single Band Antenna **Dual Band Antenna**

Design File link:

https://drive.google.com/drive/folders/1dWPczHH6vN92aSwXZMmRbpYc26QpPU2A?usp=drive_link