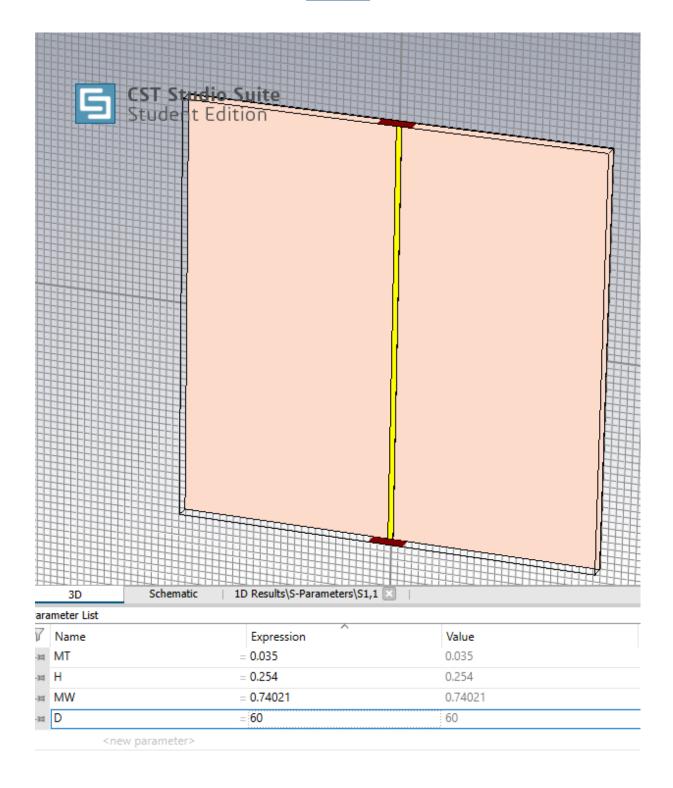
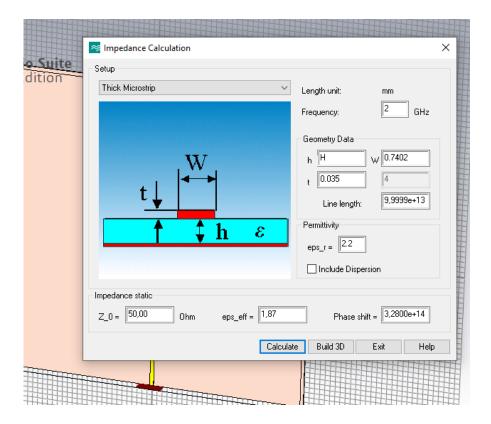
GAZI UNIVERSITY FACULTY OF ENGINEERING & ARCHITECTURE DEPARTMENT OF ELECTRICAL & ELECTRONIC ENGINEERING EM427

MICROWAVE TECHNIQUE TRANSMISSION LINE DESIGN

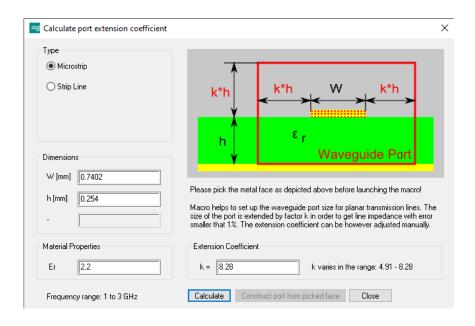
ALTTAŞ 60

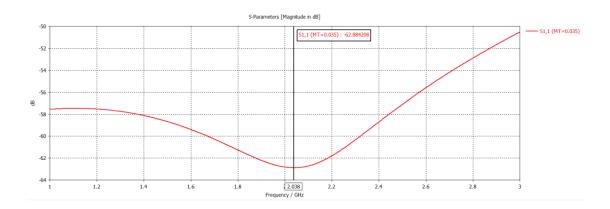


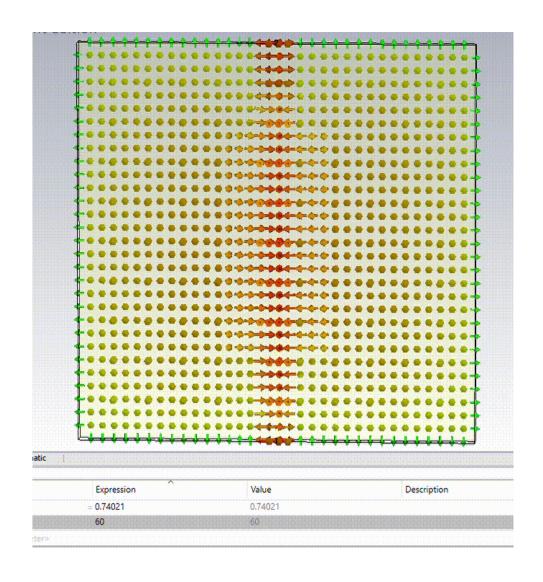
IMPEDANCE CALCULATION



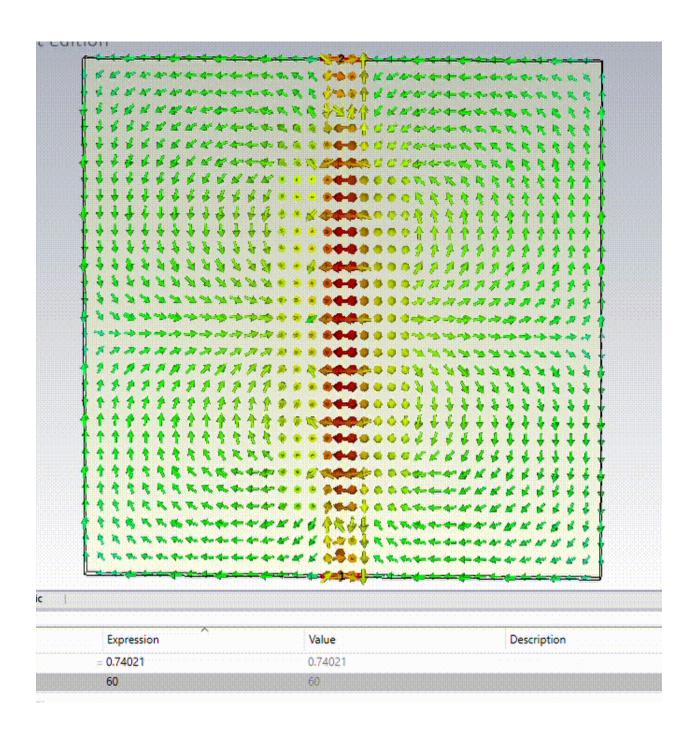
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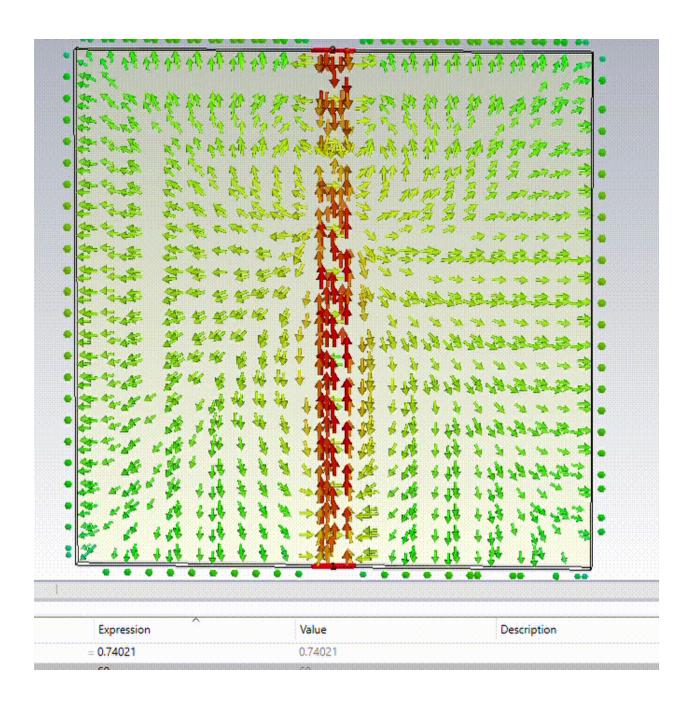




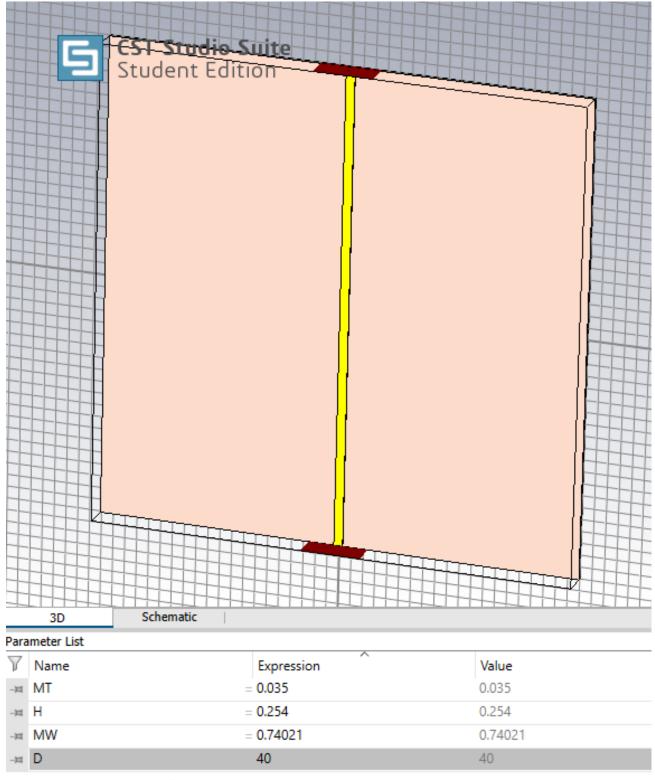


H-FIELD

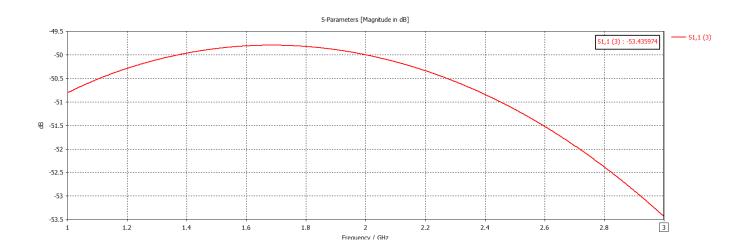


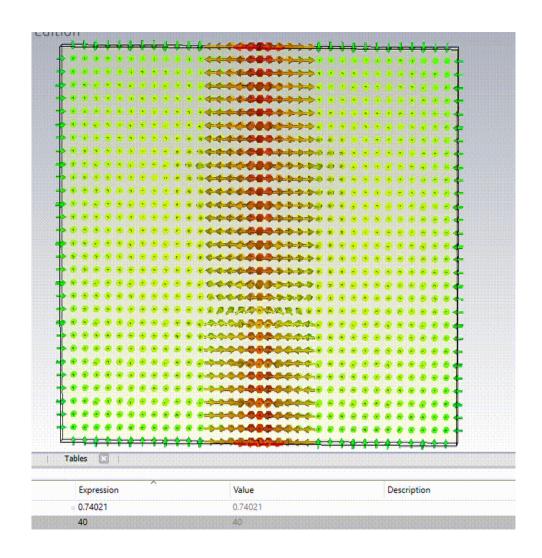


ALTTAŞ 40

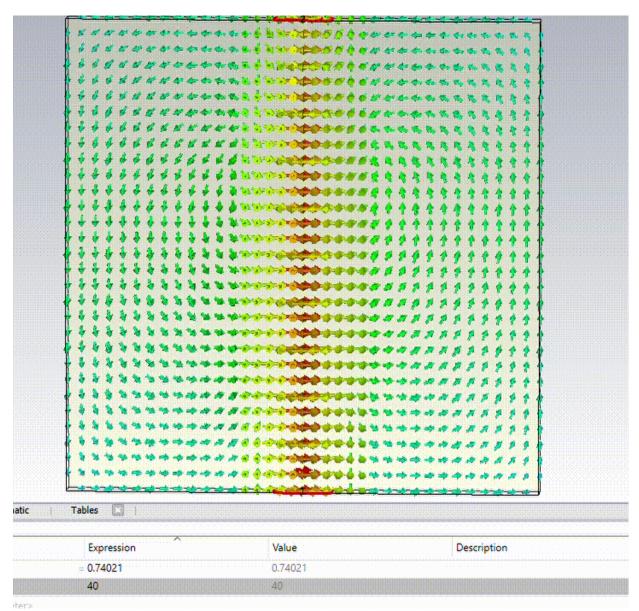


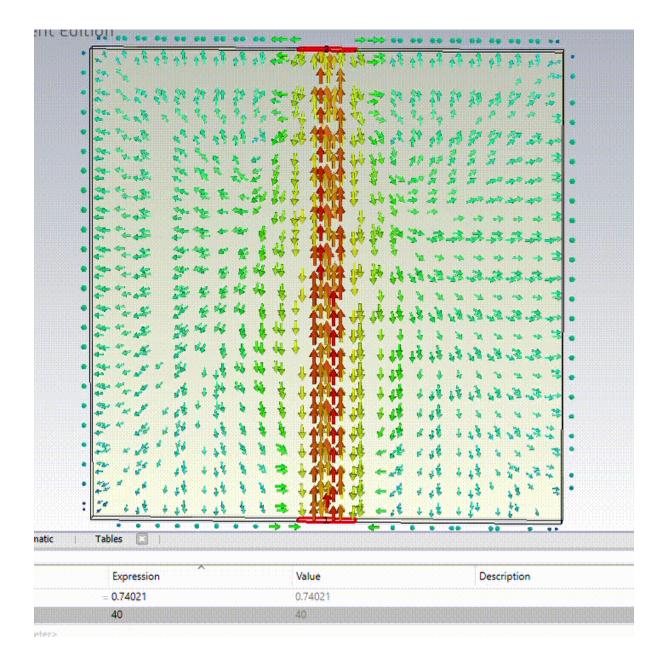
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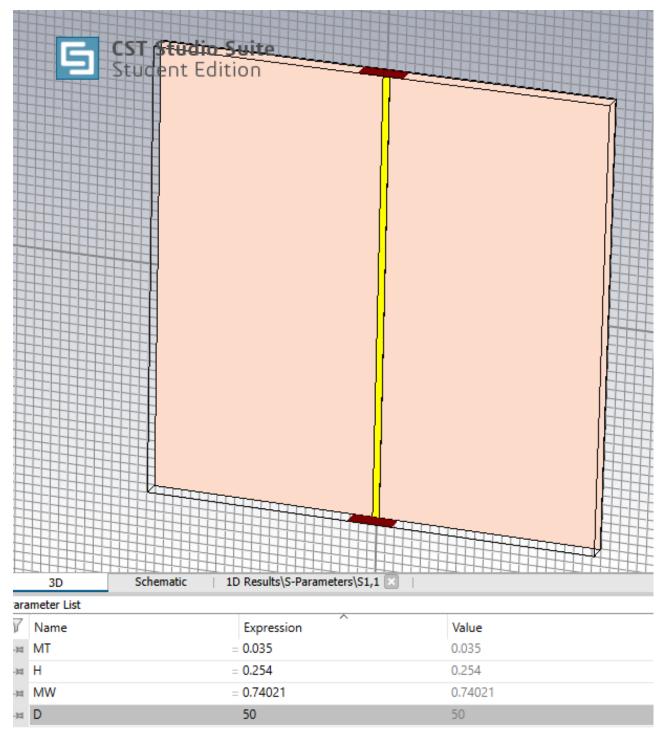


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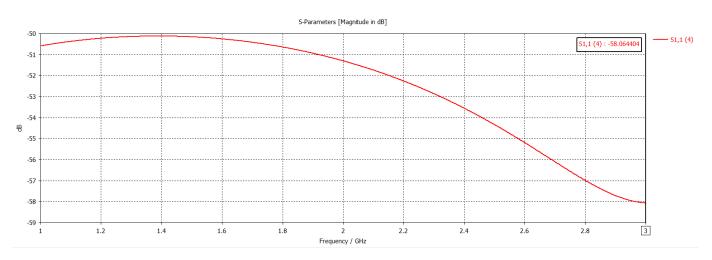


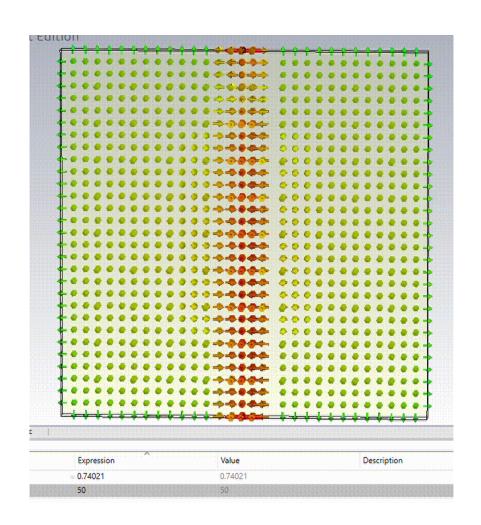


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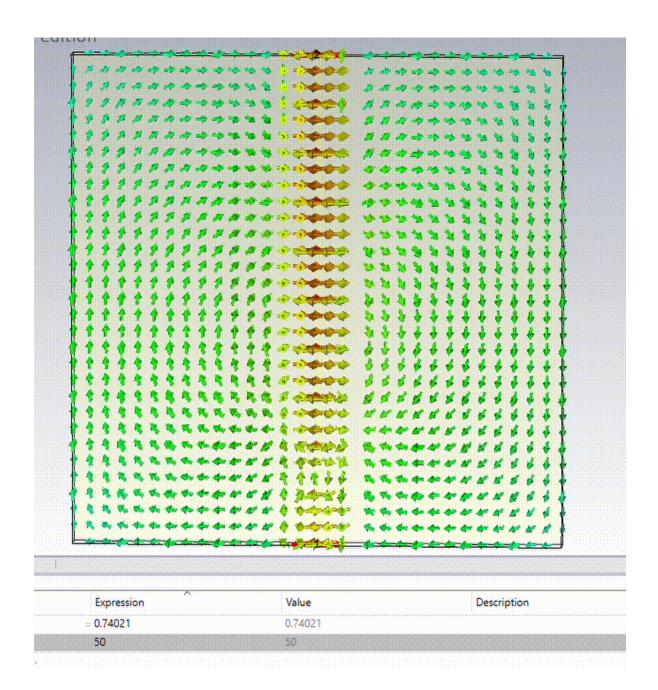


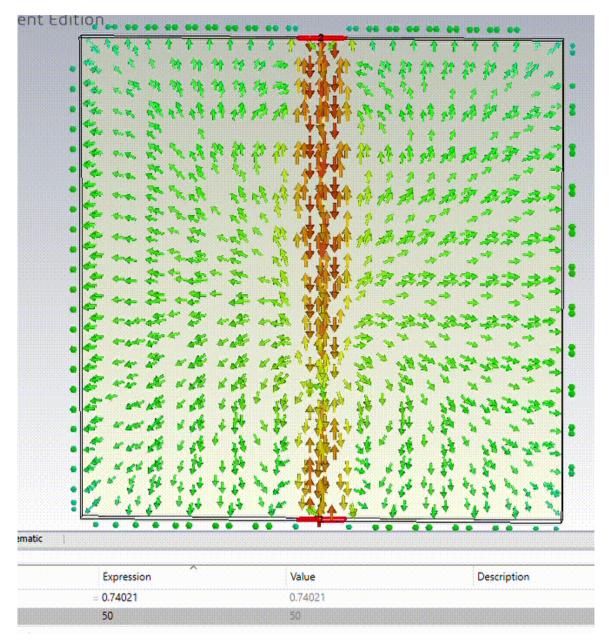
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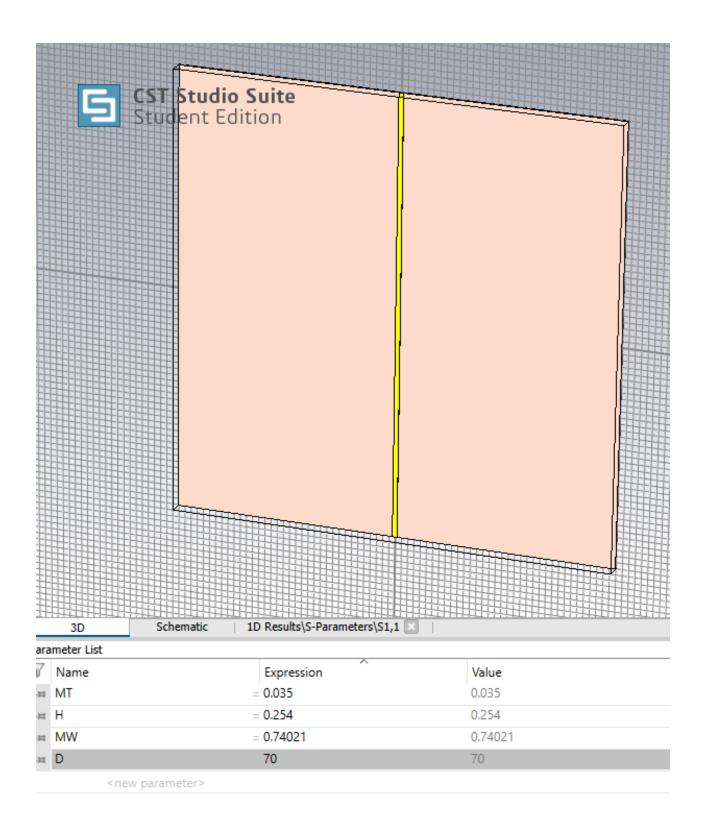


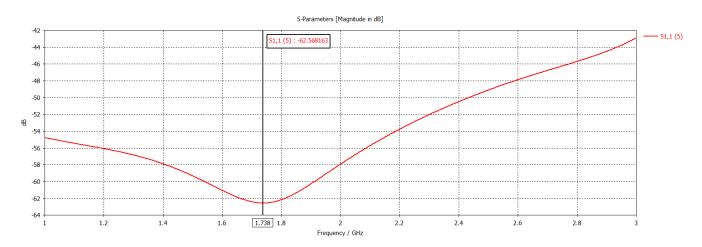
H-FIELD



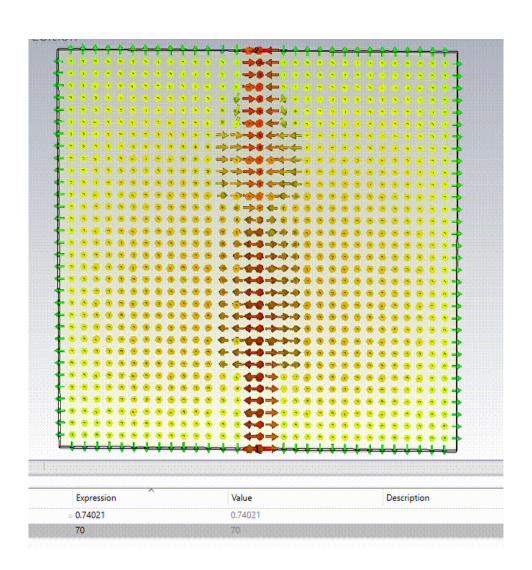


ALTTAŞ 70

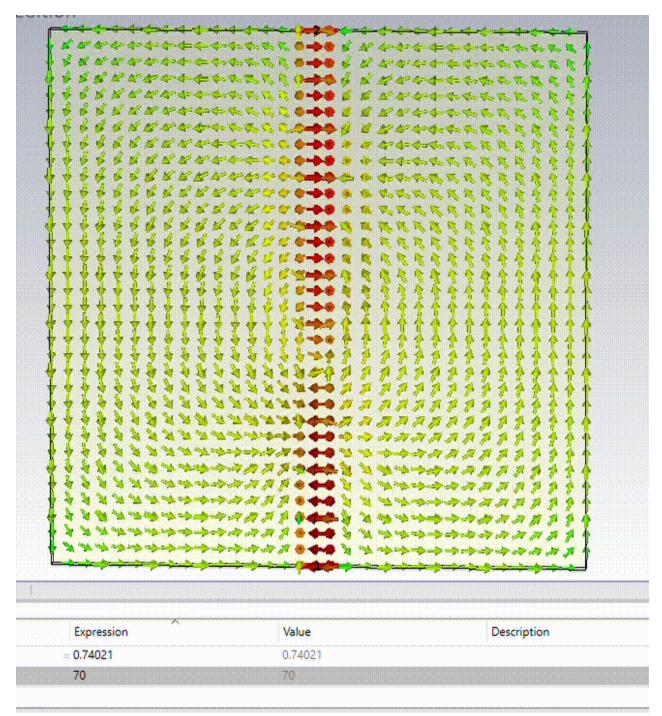


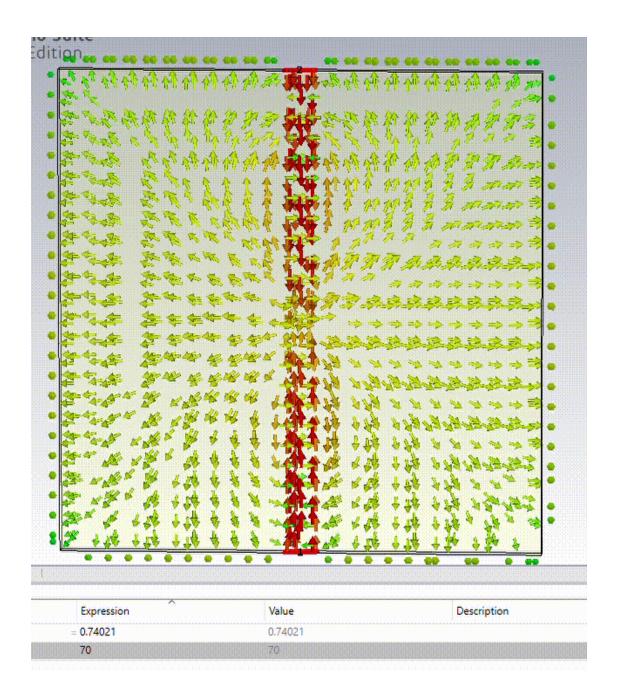


E-FIELD

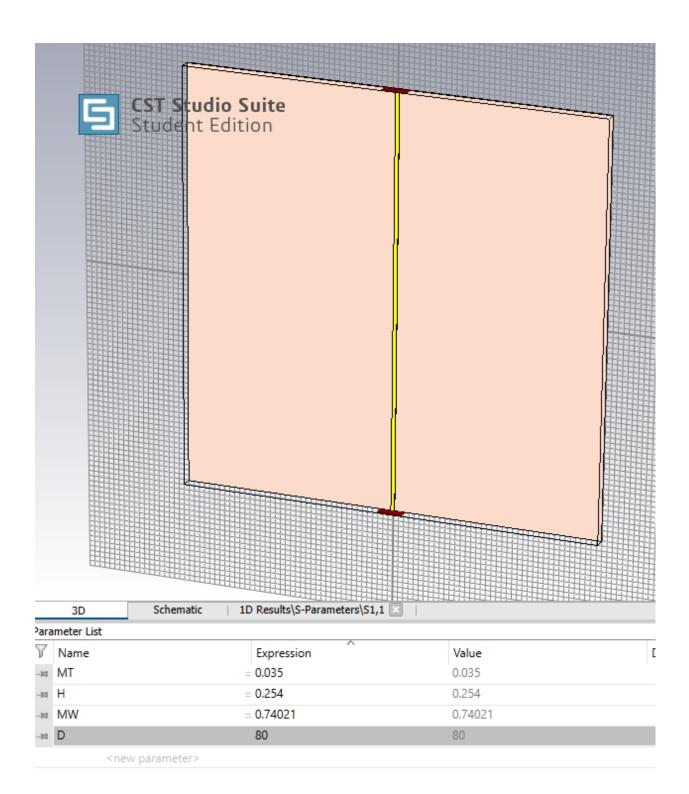


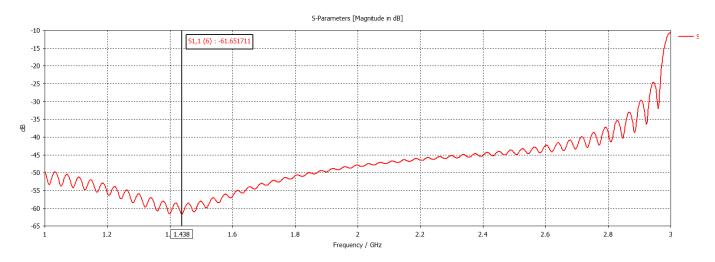
H-FIELD

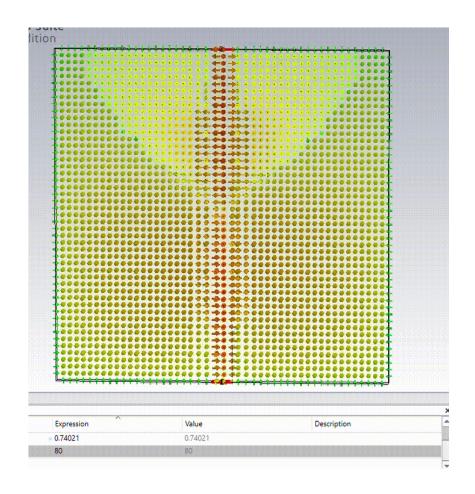


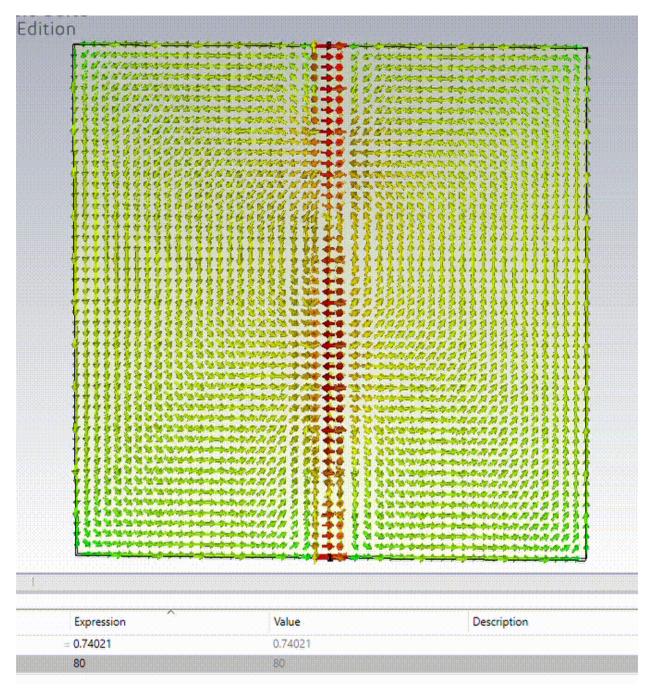


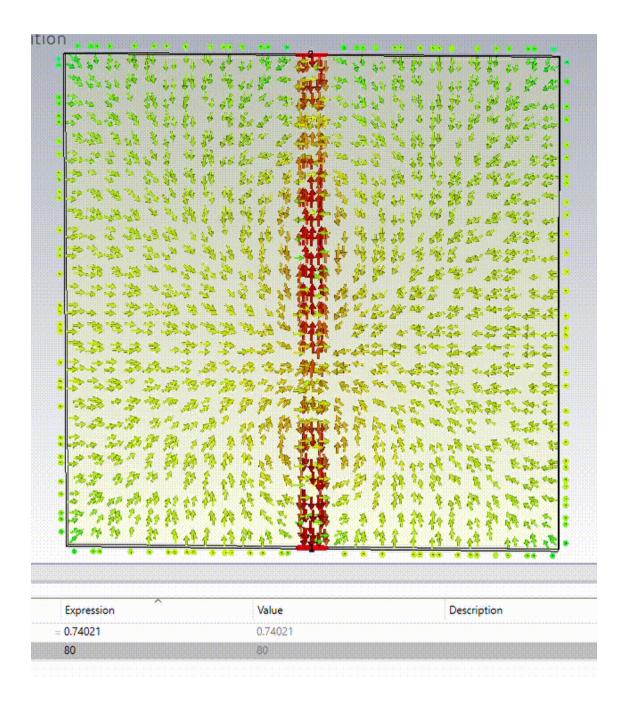
ALTTAŞ 80











YORUM

- Alttaşdaki değişim Z0 ayarlamasına W degeri olan 0.7402 degerini degiştirmedi bu yüzden aynı W kullanıldı.
- k= 8.28 degerinin aynı kaldığı gözlemlenmiştir. Bu yüzden port degişimine portlar değiştirilmedi
- S11 grafiginde; freakans 2GHz olması gerekiyordu bu yüzden alttaşın artırılması ile doğrusal olmayan bir grafik oluşturdu ve çok küçük değişimlere sebebiyet verdi. Ayrıca minumum noktaya daha erken bir frekansda ulaştık.
- S11 grafiginde; alttaşın artırılması 2 Ghz frekansdan daha uzakda bir yerde minumum noktaya ulaşmamızı sağladı. Altaşşın 40 olması beklenmeyecek türde bir grafik oluşmasına neden oldu.