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|  |
| Fig.1. (a) Conventional CPW fed circular patch antenna |
| S11 comparsion with in and fin and CPW | G:\Desktop\journal paper\Paper for Journal\final result\simple design\at 3.45 GHz.png  |
| Fig. 1.(b) Variation of reflection coefficient of considered antennas with frequency | Fig.1. (c) Current distribution |
|  |  |
|  | reflection coefficient curve |
| *(a)* | *(b)* |
| Fig.2. (a) CPW fed circular patch antenna L shaped slits in ground | Fig.2. (b) Reflection coefficient variation for different slit thicknesses |



Fig.2. (c) Reflection coefficient of patch antenna with & without L shaped slits in ground



Fig. 3. Reflection coefficient of CPW fed circular patch antenna L shaped slits in ground



Fig.4. Two dimensional patterns of considered antenna at frequencies 3.19GHz and 5.62GHz

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| G:\Desktop\journal paper\Paper for Journal\final result\Last desing with u slot\Microstrip Patch antenna with U slot and modified ground.png |  |
| Fig.5. (a) CPW fed circular patch antenna L shaped slits in ground | Fig.5. (c) Reflection coefficient variation for different slit thicknesses  |
| fabricated patch antenna with u slot ground | G:\Desktop\journal paper\Paper for Journal\final result\Last desing with u slot\Current distribution at 3.13GHz1.png G:\Desktop\journal paper\Paper for Journal\final result\Last desing with u slot\6.47GHz 1.png  |
| Fig.5. (b) CPW fed prototype of circular patch antenna L shaped slits in ground |  Fig.5. (d) Current distribution |



Fig. 6. Reflection coefficient of CPW fed modified circular patch antenna



Fig. 7. Simulated gain variations of two considered antennas as a function of frequency

  

Fig.8. Two dimensional patterns of considered antenna at frequencies 3.13GHz and 6.47GHz