

According to the measured impedance curve shown in Fig. 10, the fabricated antenna shows impedance matching close to 50 ohms at point M1 (5.06 GHz).

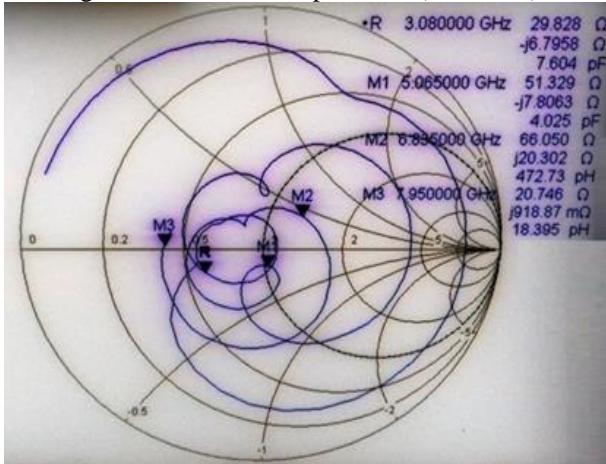


Figure 10. Measured Impedance curve of fabricated CPW antenna

5. Conclusion and Future Scope

In the present work, an ultra-wideband patch antenna with CPW feed is designed and analyzed. The simulated results display that the proposed antenna gives a dual-band response with a bandwidth of 2.3 GHz for one of the band. The proposed antenna shows good properties such as dual band response at 3.1 GHz and 5.8 GHz, omnidirectional radiation pattern, wide bandwidth and compact size etc. These properties make the designed antenna suitable for various wireless communication systems.

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