

Wearable Corduroy Textile Antenna

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Abstract— In this paper the design ,fabrication and measurement of a wearable textile (Corduroy) patch antenna is presented. The substrate of the designed antenna was made by corduroy textile material while the radiating element and ground plane was made by thin film copper foil. The copper foil was pasted by using synthetic resin adhesive on the Textile (corduroy) material.

Keywords— Micro strip wearable textile antenna, corduroy based substrate , radiation pattern.