PAPER	RESULT
Bandwidth Improvements Using Ground Slots for Compact UWB Microstrip-fed Antennas	The hexagonal slot provides the largest impedance bandwidth of 3.1-16.3 GHz for S11 ¡ 10 dB, with an average gain of about 2.8 dBi and an average efficiency of about 88%
Development of a practical ultra- wide-band antenna with planar circuit integration possibilities	This antenna can also be operated at 2.478 GHz as it provides dual band operation. At 2.478 GHz the values of Return loss and bandwidth are -30.218dB and 33.1 MHz respectively
Wide band high efficiency printed loop antenna design for wireless communication systems	A compact, 31mm x 21mm low profile planar ultra-wide band patch antenna was introduced. The antenna was ex-cited using a rectangular edge-feed microstrip feed line. The impedance bandwidth of the antenna is about 11 GHz (3.0-14GHz), which exceeds the FCC UBW requirement.
Design of reconfigurable slot antenna	Besides exhibiting a 10-dB bandwidth of 172% with 13.06:1 ratio bandwidth, a 14-dB bandwidth (low return loss) of 79% is also demonstrated in the higher UWB operating bands for outdoor propagation.
Design of band notched UWB patch antenna with circular slot	The patch antenna ring ultrawide-bandwidth radiating between 2.5GHz and 9.4GHz in order to achieve the operation Bluetooth / ISM, 2.5/3.5 GHz and 5.2/5.7 GHz WiMAX WLAN.
Microstrip Antenna gain enhancement using left-handed metamaterial structure	The resonant frequency of the antenna is 1.99 GHz. return loss with frequency of antenna is found to be -30.33 dB at resonant frequency 1.99 GHz.
Single-feed dual-frequency rectangular microstrip antenna with square slot	At 2GHz the verified and tested result on RadiationEfficiency=91.99%, Directivity=5.4dBi,Directive gain=4.98dBi