

A multiband millimeter-wave two-dimensional array based on enhanced franklin antenna for 5G wireless systems



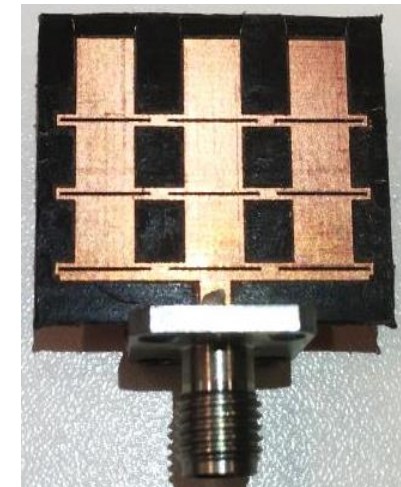
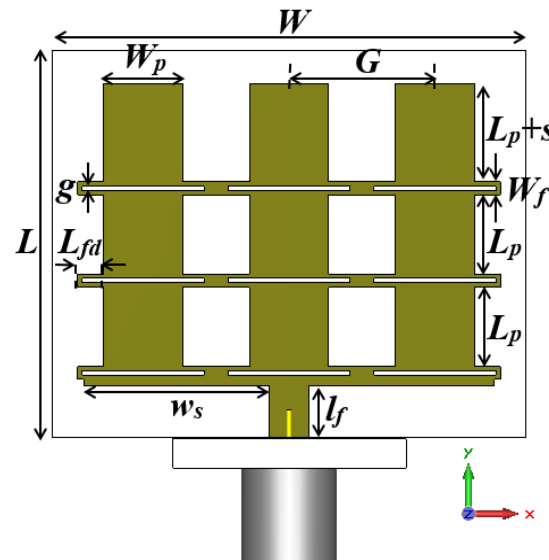
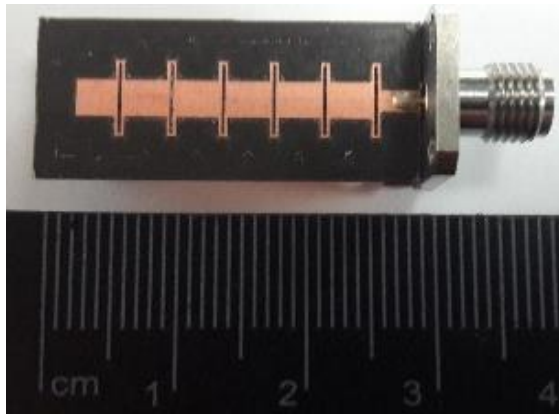
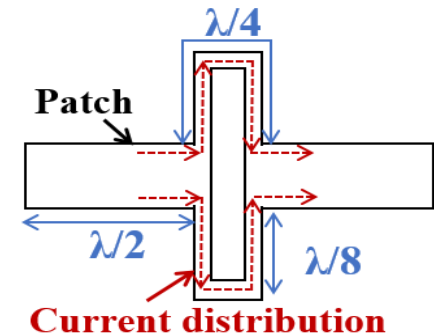
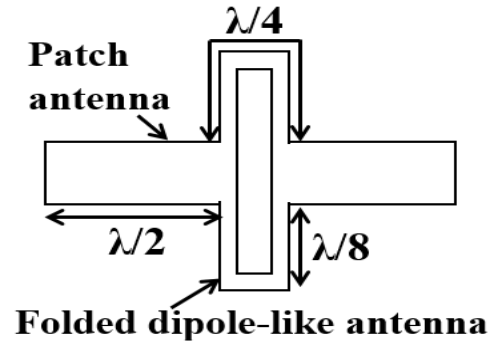
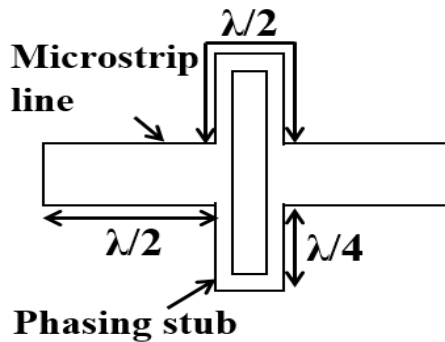
Syeda Fizzah Jilani

- Millimetre-wave based 5G Networks
- Efficient Antenna Solutions for 5G Networks



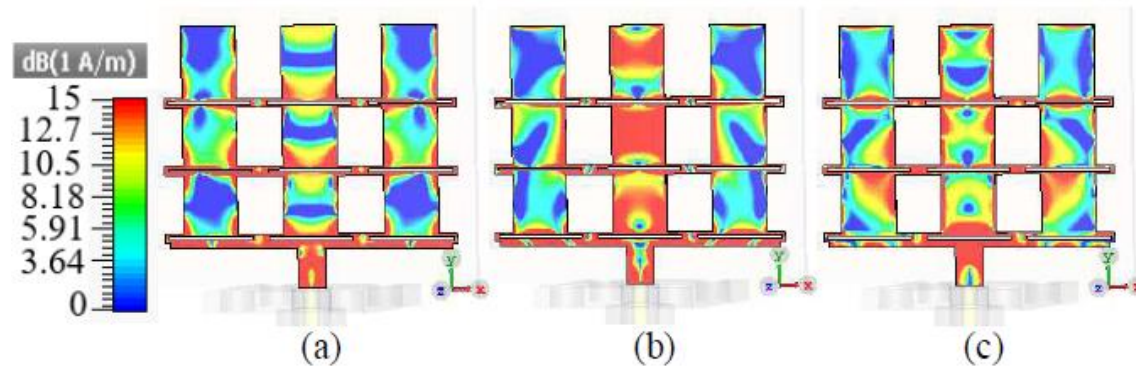
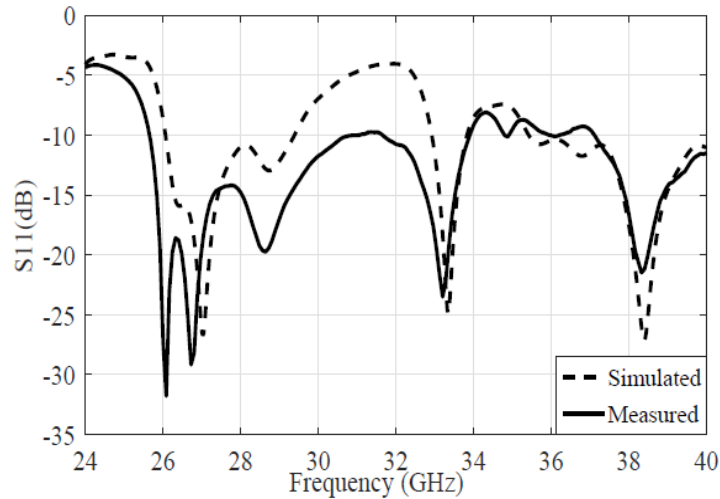
Enhanced franklin array model

- Conventional Franklin Array Model
- Enhanced Franklin Array Model



Results and Conclusion

- Multiband response at 29GHz, 33GHz and 38GHz
- Well-matched patch arrangement in 2D for compact placement



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