



Professor

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Ph.D, MIEEE

EXPERTISE

- Reflectarray antenna
- Multiband and wideband planar antenna
- Electromagnetic absorption reduction

RESEARCH

- Wireless communication engineering
- RF device and antenna design
- Engineering education

PROFESIONAL AFFILIATIONS

- BEM – Member, Electronic (45998R)
- IEEE – Member (90269274)
- IEEE Antenna and Propagation Society - Member

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BRIEF RESEARCH/COMMUNITY/CONSULTATION SNAPSHOT

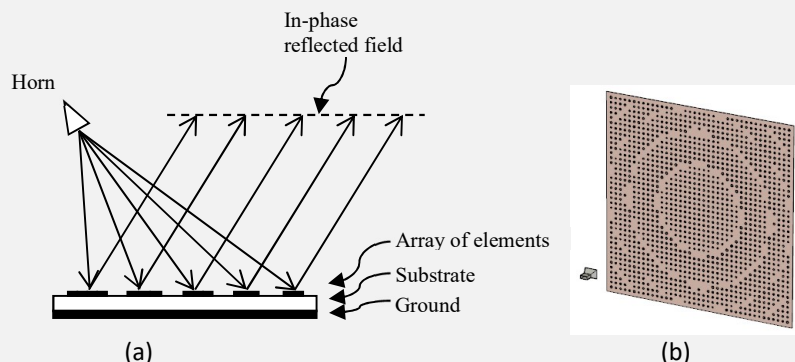


Fig. 1. (a) A feed antenna illuminates the reflectarray to form a planar phase front of the aperture (b) Full reflectarray for Direct Broadcasting System.

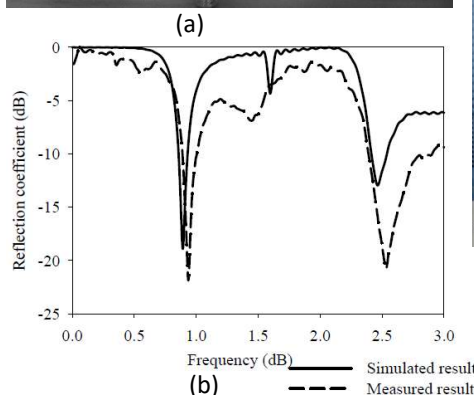
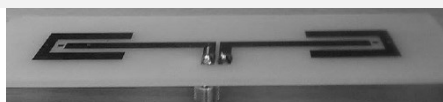


Fig. 2. (a) Dual band antenna prototype (b) return loss response.

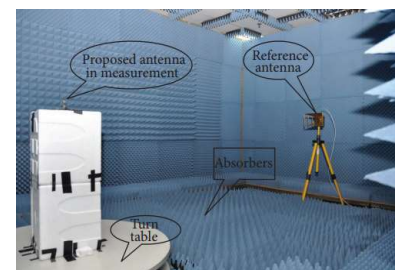


Fig. 3. Antenna measurement in an anechoic chamber.

SELECTED PUBLICATIONS

1. "Design of Capacitive Integrated Reflectarray Radiating Elements for Beam Steering Reconfigurability," (2016) *Journal of Engineering and Applied Sciences*, 11(1), pp. 106-111.
2. "Enhancement of WLAN antenna performance using an N-like shape EBG structure," (2016) *Electronics World*, 122(1958), pp.26-29.
3. "A New High Performance Hibiscus Petal Pattern Monopole Antenna for UWB Applications," (2016) *ACES Journal*, 31(4), pp.373-380.
4. "Superposition of reflectarray elements for beam scanning with phase range enhancement and loss improvement," (2016) *ARPN Journal of Engineering and Applied Sciences*, 11, pp.1755-1758. "A Reconfigurable Multiband Antenna for RFID and GPS Applications," (2015) *Elektronika Ir Elektrotehnika*, 21(6), pp.44-50.
5. "A Rounded Corner Triangular Patch Antenna for Dual-frequency Application," (2014) *Microwave and Optical Technology Letters*, 56(1), pp. 69-72.
6. "Dual Configurations Reflectarray Element in Improving Dynamic Phase Range and Loss," (2014) *International Journal of Applied Engineering Research*, 9(24), pp.23707-23716.
7. "Effects of Electromagnetic Absorption Towards Human Head Due to Variation of its Dielectric Properties at 900, 1800 and 1900 MHz with Different Antenna Substrates," (2013) *Progress In Electromagnetics Research*, 138, pp.367-388.
8. "Printed Circular Disc Compact Planar Antenna for UWB Applications," (2013) *Telecommunication Systems*, 52(2), pp.1171-1177.