



M-Type Hexaferrite Antenna

Tech ID: 11-0005

Contact:

Dr. Rick Swatloski
Director - OTT
(205) 348-8583
RPSwatloski@ua.edu

Status:

Seeking R&D and/or
licensing partner

Patent Pending

Inventor Bio:

Dr. Yang-Ki Hong
Professor
Electrical and Computer
Engineering Department
University of Alabama

Center for Materials for
Information Technologies

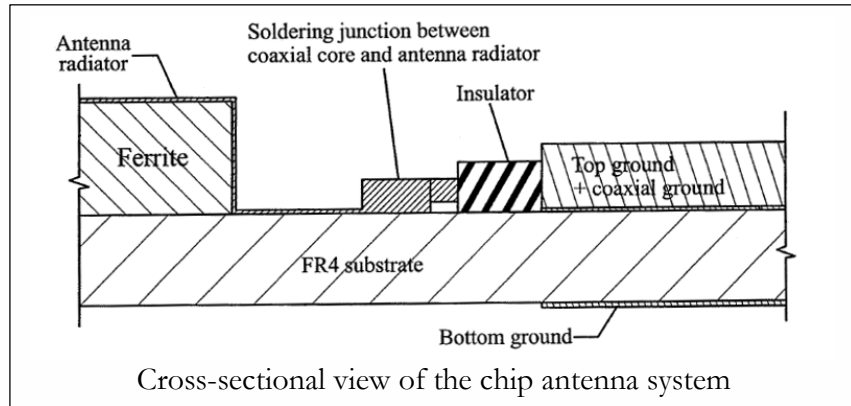
Over 100 Publications

13 Patents Awarded

8 US Provisional Patents

M-type Sr hexaferrite ($SrFe_{12}O_{19}$) for GHz Chip Antennae

- Fabricated using an M-type hexaferrite
- Substitutes tin (Sn) and zinc (Zn) with strontium hexaferrite (SrM)
- Suited for high frequency applications



Advantages

- Antenna miniaturization
- Broad Bandwidth
- High gain
- Materials less expensive

Applications



**Wireless
Communication**



**Military
Communication**

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