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Area of Specialization: Mobile & Wireless Communications/ Networks

LIST OF PUBLICATIONS (Last 5 years)

Journal Publications

1. Sreedevi A G, T. Rama Rao and Susila M, "Measurements at 2.4, 3.4, 5.2, 28 and 60 GHz for Device-to-Device Wireless Communications", ***Springer's Wireless Personal Communications***, Vol.108, Issue.3, p.1733–1743, Oct 2019 (SCI IF: 1.2)
2. Sreedevi A G and T. Rama Rao, "Reinforcement Learning Algorithm for 5G Indoor Device-to-Device Communications", ***Transactions on Emerging Telecommunications Technologies, Wiley & Sons***, Vol.30, Issue.9, 2019 (SCI IF: 1.61)
3. Sreedevi A G, T. Rama Rao and Susila M, "Device-to-Device Radio Link Analysis at 2.4, 3.4, 5.2, 28 and 60 GHz in Indoor Communication Environments", ***Frequenz - Journal of RF-Engineering and Telecommunications; Frequenz***, Volume 73, Issue 3-4, P. 131–141, 2019 DOI: (SCI IF: 0.595)
4. Saffrine K, Deepa T, Malathi K, M. Gulam Nabi Alsath, Sandeep Kumar P, T Rama Rao, Sangeetha S, "Tunable Band Notched High Selective UWB Filtering Monopole Antenna", ***IEEE Transactions on Antennas and Propagation***, Volume:67, Issue:8, P. 5658 - 5661, Aug. 2019. (SCI IF: 4.435)
5. Susila M, Sandeep Kumar P, Rama Rao T, Malathi K, Mr Balarami Reddy B N, Sachin Kumar, "On the Bending and Time Domain Analysis of Compact Wideband Flexible Monopole Antennas", ***AEU - International Journal of Electronics and Communications***, Volume 101, P. 168-181, March 2019 (SCI IF: 2.853)
6. M. Susila, T. Rama Rao, K.Varshini, P. Sandeep Kumar, and M. Pushpalatha, "Investigations of Specific Absorption Rate and Temperature Variations for an UWB Antenna for Wireless Applications", ***Progress In Electromagnetics Research M***, Vol. 78, 83–92, 2019. (SNIP: 0.504)
7. T. Deepa and T. Rama Rao, "A digitized universal filtered orthogonal frequency division multiplexing for next generation communication applications", *Computers and Electrical Engineering*, ***Elsevier Journal***, Vol. 72, P.939–948, 2018 (SCI IF: 2.189).
8. Saffrine K, Deepa T, Malathi K, M. Gulam Alsath, T. Rama Rao, P. Sandeep Kumar, "Multiband Reconfigurable Filtering Monopole Antenna for Cognitive Radio Applications", ***IEEE Antennas and Wireless Propagation Letters***, Vol.17, No.8, P. 1416 – 1420, August 2018 (SCI IF.3.51)
9. Varshini Karthik and T. Rama Rao, "SAR Investigations on the Exposure Compliance of Wearable Wireless Devices using Infrared Thermography", ***Wiley's – Bioelectromagnetics***, Volume 39, Issue 6, Pages 451-459, September 2018 (SCI IF: 2.0)
10. Susila M, T Rama Rao, B N Balarami Reddy, Sandeep Kumar P, Pushpalatha M, "Fractal based Ultra-Wideband antenna development for Wireless Personal Area Communication Applications", Accepted in AEU - ***International Journal of Electronics and Communications***, Volume 93, Pages 95-102, September 2018. (SCI IF: 2.853)
11. Ramya, T. Rama Rao, "Design of Penta-band Antenna with Integrated Low Noise Amplifier Circuit for Vehicular Communications", ***IET Circuits, Devices & Systems***, Volume 12, Issue 3, p. 221 – 225, May 2018 (SCI IF: 1.277)
12. Purva Shrivastava, T. Rama Rao, "Performance Analysis of SAR Distributions with Substrate Integrated Waveguide based Antipodal Linear Tapered Slot Antenna at 60 GHz", ***IEEE Antennas & Propagation Magazine***, Vol.59, Issue.6, P.140-146, 2017. (SCI IF: 3.804)