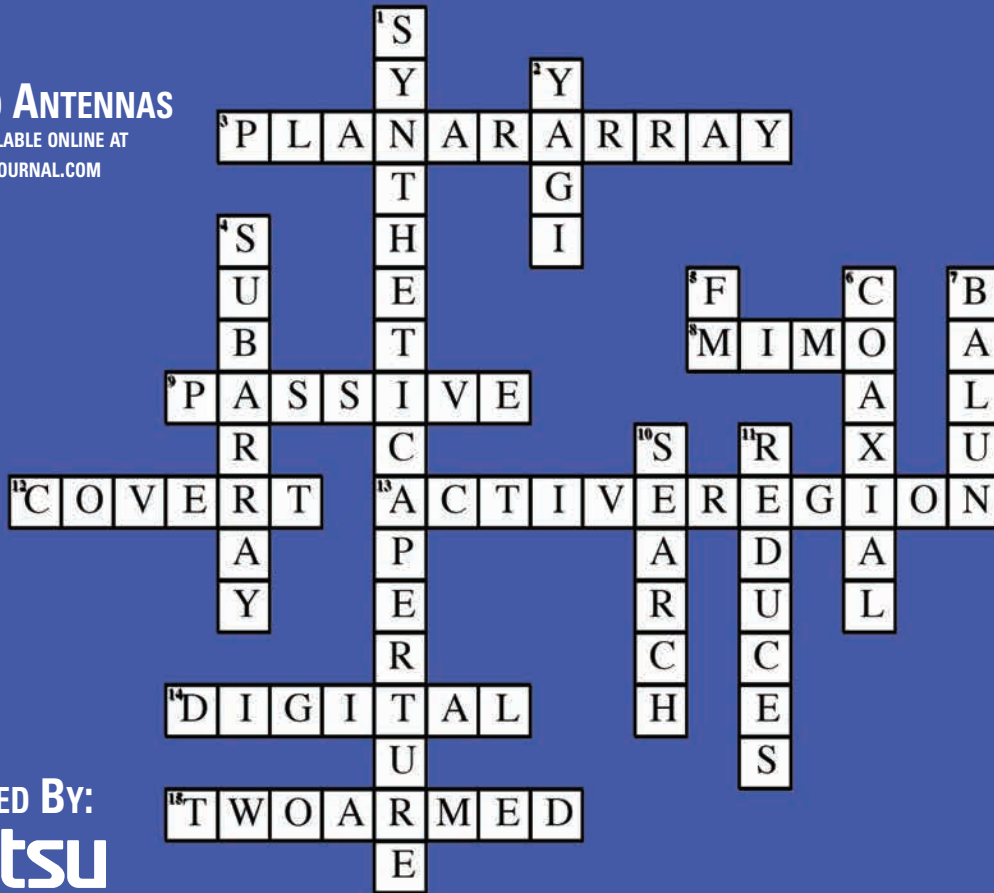




RADAR AND ANTENNAS

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Across

- 3 An antenna in which all elements, both active and parasitic, are in one plane (2 words)
- 8 Generally it would not be efficient to use the individual elements of an array as the _____ elements
- 9 Type of radar that does not have its own transmitter but exploits one or more transmitters of opportunity located in the area
- 12 The main advantage of employing passive radars for military or defense uses is that they are _____
- 13 The point along in a spiral antenna where significant radiation takes place (2 words)
- 14 Advances in _____ electronics have recently enabled practical passive radar systems
- 15 The most widely used spiral antenna type is the _____ planar spiral with metal cavity housing (2 words)

Down

- 1 A form of radar whose defining characteristic is its use of relative motion, between an antenna and its target region (2 words)
- 2 A highly directional and selective shortwave antenna consisting of a horizontal conductor of one or more dipoles
- 4 For search, _____-MIMO processing should be used
- 5 SELEX has developed a dual-band passive radar using signals from the _____ and DVB-T bands
- 6 The spiral is typically fed by an RF _____ connector
- 7 The _____ design is one of the most critical elements for a high-performance spiral in an EW or ESM systems
- 10 MIMO is not generally efficient for track, only for _____
- 11 Using subarray-MIMO _____ the computation throughput