



RADAR AND ANTENNAS

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ACROSS

- 4 The repeated switching of frequencies during radio transmission (2 words)
- 9 A measure of how an electric field affects, and is affected by, a dielectric medium
- 14 Radar system that uses the apparent shift in frequency of an incident wave to measure presence and velocity of a target (2 words)
- 15 Automatic Waveform Generator
- 16 Linear frequency sweep
- 17 Voltage Standing Wave Ratio
- 18 The ratio of operating to non-operating time for a device (2 words)
- 19 Variation in magnitude of a waveform

- 20 90 degrees out of phase
- 22 Quadrature Phase Shift Key modulation
- 24 PAE (3 words)

DOWN

- 1 Joint Tactical Radio System
- 2 DGS (3 words)
- 3 Type of distributed element filter with band-stop (notch) characteristics
- 5 Improvised Explosive Device
- 6 The vector ratio of voltage to current, the reciprocal of admittance
- 7 Next generation system for the warfighter which will enable networked sensors (3 words)
- 8 Type of polarization when the plane of polarization rotates

- in a corkscrew pattern making one complete revolution during each wavelength
- 10 An unbalanced transmission line structure consisting of a ground plane, the dielectric material of the printed circuit board and a narrow strip on the top side of the circuit board
- 11 The ratio between the amplitude of the output signal of a device or circuit compared to the amplitude of its input signal (2 words)
- 12 The geometric shape of one period of an electric signal when it is plotted versus time
- 13 Energy at integral multiples of the frequency of the fundamental signal
- 21 Direct Digital Synthesis
- 23 Digital Signal Processor