



RADIO COMMUNICATIONS

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Across

- 1** The state of play of MIMO OTA standardization in 3GPP is summarized in this document, which is in the study phase prior to formal standardization
- 8** The CTIA uses the term Total Isotropic Sensitivity (TIS) for this figure of merit (3 words)
- 12** Signal to noise ratio
- 13** AOA (3 words)
- 15** A method of digital modulation in which a signal is split into several narrowband channels at different frequencies
- 16** TRP (3 words)
- 18** The parameter used to assess how much of the DUT radiated power is absorbed by the human body (3 words)
- 19** MIMO systems take advantage of the spatial domain to realize increased _____ (2 words)
- 20** A system that is designed to take advantage of reflec-

tions to measure the power radiated from a device (2 words)

- 21** Multiple-input multiple-output over-the-air (2 words)
- 22** The generalized distribution of a complex random variable that reflects the central limit theorem of combined random variations in phase and amplitude (2 words)

Down

- 2** Fading distribution with stronger line-of-sight components than a combination of all the random variations (2 words)
- 3** The quantitative measure of this similarity in received signals in a MIMO system (2 words)
- 4** An anechoic chamber creates a reference environment with a controlled _____ that zeros out all the signal channel variables (2 words)
- 5** International Association for the Wireless Telecommunications Industry

6 A test system that is lined with RF absorber to prevent these reflections and ensure that the only RF energy measured is that transferred line-of-sight (2 words)

- 7** Single-input single-output
- 9** EMC (2 words)
- 10** A system for air interface testing, replacing the real-world radio channel between a transmitter and a receiver (2 words)
- 11** Techniques used to randomize the field structure to ensure that there are no standing wave resonances within the test volume
- 14** Wideband Code Division Multiple Access
- 17** 3rd Generation Partnership Project
- 23** The most widely used standard for mobile telephony systems
- 24** Specific Anthropomorphic Mannequin phantom head nickname