Anritsu Introduces PIM Master Options for ‘Top of the Tower’ Testing of Key LTE and UMTS Bands

Anritsu Company

Industry’s leading handheld, battery-operated passive intermodulation analyzer family measures LTE 800 MHz, UMTS 2100 MHz and LTE 2600 MHz bands

Morgan Hill, CA – For Immediate Release – Anritsu Company has introduced three frequency options for its industry-leading PIM Master MW82119A Passive Intermodulation (PIM) high-power, battery-operated, portable PIM test analyzer. The new options provide wireless field engineers and technicians with the first battery-operated handheld analyzers that can accurately conduct “top of the tower” PIM measurements in the LTE 800 MHz and UMTS 2100 MHz bands, in addition to the LTE 2600 MHz band.

The new options have been specifically developed to address the top bands planned for LTE network deployments, and can help ensure LTE networks do not suffer from lower data throughput caused by PIM interference. Coupled with the battery operation, small size, and ability to perform 40W PIM testing, the new options make the PIM Master MW82119A well suited for deploying, installing, and maintaining LTE networks using Remote Radio Heads (RRHs) at the top of the tower. The PIM Master MW82119A can also be used to measure PIM at traditional macro site installations, as well as in Distributed Antenna Systems (DAS).

The three new frequency options extend the PIM Master MW82119A family to nine analyzers. Six other models are available to address major frequency ranges, including the upper and lower 700 MHz, 850 MHz, 900 MHz, 1800 MHz, 1900 MHz, and 1900/2100 MHz bands. All PIM Master MW82119A analyzers incorporate Distance-to-PIM (DTP) technology, allowing tower contractors, maintenance contractors, and wireless service provider field technicians to pinpoint PIM problems, whether they are on the tower or outside the antenna system. The analyzers’ ability to test at 40W allows the PIM Master MW82119A to locate faults that conventional 20W test solutions might miss, such as intermittent and power-sensitive PIM problems.

As with all Anritsu handheld test solutions, the PIM Master MW82119A is designed to withstand transportation shock, vibration, and harsh outdoor test conditions associated with cell site deployment, installation, and maintenance. Testing is simplified by the analyzer’s ability to save and recall test set ups for standardized testing, and limit lines can be set for visual and/or audible pass/fail criteria. Anritsu’s Line Sweep Tools can be used to manage PIM Master MW82119A measurements, and generate reports that combine VSWR data as well as PIM data into a unified site report. PIM measurements can be tagged with the GPS location when the analyzers are equipped with the GPS option.

For more information, visit www.anritsu.com [1].

Source URL (retrieved on *05/06/2015 - 9:42am*):
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[1] http://www.anritsu.com