

TX RX Webinar Schedule, 10/22/20



TX RX Systems invites our channel partners and radio dealers, service shops, and system operators to a series of 45-minute webinars over the next year. The webinar schedule is below. The invitation for each webinar will be sent shortly after the previous one ends.

1. Field Services: Friday, 11/20/20, 11:30 ET

TX RX's field services are used to mitigate risk and increase customer satisfaction by maximizing antenna site potential, eliminating interference, and improving coverage. The services include retuning/reconfiguring existing equipment, spectrum and noise monitoring and analysis, and interference mitigation.

2. Designing Combiner Systems Using the ToolKit: Friday, 1/8/21, 11:30 ET

TX RX engineers use a proprietary, computer-aided design tool (i.e., ToolKit) that streamlines the labor-intensive design process, even when complex frequency issues are involved, to quickly create solutions customized to meet unique needs.

3. Tx Antenna Power and Rx Antenna Remote Monitoring: Thursday, 2/18/21, 11:00 ET

TX RX's transmit antenna power monitor and receive antenna monitor remotely observe and measure land mobile radio (LMR) system performance parameters. This helps decrease truck rolls to LMR sites and increase the ability to address degrading trends before end users become aware.

4. Solution Customization and Versatility: Friday, 4/2/21, 11:30 ET

TX RX will discuss our ability to create custom, complex combiner and multicoupler designs. For example, one of our competitive advantages is our ability to mix different cavity types and sizes to get the best performance for the dollar, rather than use all 6" and/or off-the-shelf cavities.

5. Milled Filters

We will discuss our milled filter solutions and their benefits, some of which are their small size, less parts and therefore less points of failure, ability to handle high peak power, and strong noise rejection performance.

6. RF Basics

Several topics will be discussed to provide the audience with a good overview of RF principles related to LMR: wave theory, antenna overview and isolation, intermodulation distortion, spectrum overview (i.e., VHF, UHF, 7/800 MHz and 900 MHz), and an introduction to cavity filters.

7. Solutions for OEM Designs

We will discuss our strength at creating OEM solutions and share examples of the customized work we have done. In addition, this will include information about what OEMs require (e.g., testing, labels, reports, tracking, etc.) from their suppliers.

8. Receive Sensitivity Improvements – TTA Systems and their Optimization

TX RX has been providing high quality, high value tower top amplifier (TTA) systems since it developed its first one in 1995. It has received several of the original patents for the product. We will discuss how our TTA systems improve radio coverage and simplify installation, optimization and maintenance.

9. Remote Spectrum Monitoring

The effective design of advanced RF communications systems requires a keen awareness of spectrum usage. TX RX's spectrum monitoring service collects data that provides a clear picture of the RF spectrum seen by the receiver on any frequency within the monitored bandwidth over a 24-hour period. In addition to providing a better understanding of the risks of interference to a new or proposed system, it can also be a significant tool for interference mitigation or any other type of spectrum investigation.