

In order to establish a new RF & Microwave laboratory, emerging NMIs decelerated their knowledge transfer requirements that they want to join a training session about the following topics through this project;

- Basic Training Topics before RF & Microwave infrastructure establishing;
 - Identified list of equipment needed to establish laboratory
 - Technical documentation reviews
 - Use of correct standards
 - Training related to legislation and standardization
 - Maintenance training
 - Calibration methods including calculation of measurement uncertainty
 - Time & frequency
 - Phase Noise
 - Digital Modulation
 - Pulse Measurements
 - Oscilloscope calibration
- S-parameters measurements
 - Electronic Calibration Kits
 - RF Attenuation
 - Calibration of Network Analyzer
 - Calculations of uncertainties and methods for determination of S parameters or other factors that appear in this domain
- RF Power measurements
 - High power
 - RF Voltage measurement (up to 100 MHz)
 - Calibration of Signal Generator
 - Calibration of Spectrum Analyzer

In addition, QF participants want their staff to increase their knowledge level of an EMC testing through the organised training sessions of the RFMicrowave project. They wanted the training courses, which cover the topics given below;

- EMC
- Field strength tests
- Industrial survey on what they need for EMC tests
- All EMC tests (included IEC/EN standards)
- Calibration of sensors
- Field strengt
- Conformity tests
- Traceability Issues
- Measurement Procedures
- Hero (Hazards of Electromagnetic Radiation to Ordnance)
- MILSTD 464
- DO160F section 22
- Reverb Chamber
- Time domain tailored waveshe generation for conducted susceptibility
- ESD tailored wave shape generation
- Multi-bundle BCI testing
- Radiated emission in mode stirred chambers according to EN61000-4-21 and RTCA/DO-160G

In order to join the training pelase send an e mail to project coordinator Dr. Murat Celep (murat.celep@tubitak.gov.tr).