EMPIR EURAMET

The EMPIR initiative is co-funded by the European Union's Horizon 2020 research and innovation programme and the EMPIR Participating States

15RPT01 RFMICROWAVE Training and Workshop

TUBITAK UME

Gebze – Kocaeli, TURKEY

4-6 March 2019

Day 1

09:15 – 10:00	**Registration**
10:00 – 12:00	• 10:00 -10:15 Welcome and opening (Murat) • 10:15 -10:30 Overview of the project (Murat) • 10:30 -11:15 General requirements for RF and microwave laboratory (Erkan) • 11:15 -12:00 RF and microwave power measurements (Jan)
12:00 – 13:15	**Lunch**
13:15 - 14:45	• 13:15 – 14:00 S-parameter measurements (Murat) • 14:00 -14:45 Calibration factor measurements (Erkan)
14:45 – 15:15	**Coffee break**
15:15 – 16:45	• 15:15 -16:00 Evaluation of measurement uncertainty (Aliye) • 16:00 -16:45 Example of evaluation of measurement uncertainty (Aliye)

Day 2

08:45 – 12:30	• 08:45 -09:30 Technical requirements for competence of laboratory : ISO/IEC 17025 standard (Enver) • 09:30 -10:00 Rigorous analysis of microwave source complex reflection coefficient (Abdel Rahman) • 10:00 -10:30 Coffee break • 10:30 -11:00 Traceability chain for RFMW measurements (Erkan) • 11:00 -12:30 Guided tour to RF and Microwave Laboratory (Murat)
12:30 – 13:45	**Lunch**
13:45 - 15:00	• 13:45 -15:00 RFMW workshop on power measurements (Aliye)
15:00 – 15:30	**Coffee break**
15:30 – 16:45	• 15:00 -16:45 RFMW workshop on S-parameter measurements (Handan)
18:00 – 20:30	**Dinner**

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RF MICROWAVE

Day 3

09:15 – 10:45	• General information about international EMC test standards (EMC) • General requirements for commercial EMC test laboratory (EMC)
10:45 – 11:00	**Coffee break**
11:00 - 12:30	• General information about commercial EMC tests (EMC)
12:30 – 13:30	**Lunch**
13:30 – 15:00	• Guided tour to EMC Laboratory • Conducted immunity test by using CDN on actual EUT (Calibration, verification and test) (EMC)
	Coffee break
15:15 – 16:45	• Conducted emission test by using LISN on actual EUT (Verification and test) (EMC)