

## Training plan

Communication tester R&S CMA180

<b>Contract No.</b>	
<b>Item</b>	
<b>System/Equipment</b>	VHF Radio communication
<b>Type/Designation</b>	<b>Communication tester R&amp;S CMA180</b>
<b>Manufacturer</b>	Rohde & Schwarz
<b>Prime Contractor</b>	
<b>Customer</b>	
<b>End User</b>	
<b>Issued at</b>	Bratislava
<b>Date</b>	

<b>Company</b>	<b>Name</b>	<b>Title/Position</b>	<b>Date</b>	<b>Signature</b>
3S Špeciálne systémy s.r.o.				

## **1 Day 1 – schedule (8 training hours, starting at 09:00)**

### **1.1 CMA modules concept**

- modules overview
- basic tests setup
  - RX
  - TX
  - filters

### **1.2 Device description**

- front panel
- rear panel

### **1.3 Main device settings**

- touchscreen display icons representation
- main device setup

### **1.4 Lunch break**

### **1.5 Hands on**

- main settings

## 2 Day 2 – schedule (8 training hours)

### 2.1 Overview of measurement methods

- manual measurements
- internal automatic measurements
- remote control measurements
- CMA Run

### 2.2 Manual measurements

- RX test
- TX test
- tracking generator test (filters)
- option: VSWR/RETURN LOSS measurement – if required, please provide your own R&S HZ574VSWR BRIDGE to the training

### 2.3 Hands on training

- touchscreen display icons representation
- main device setup

### 2.4 Lunch break

### 2.5 Hands on

- RX manual measurements
- TX manual measurements
- VSWR/RETURN LOSS manual measurement

### **3 Day 3 - schedule (8 training hours)**

#### **3.1 Internal automatic measurements**

- RX test
- TX test
- tracking generator test (filters)

#### **3.2 Remote control**

- internal WEB server functionality

#### **3.3 Hands On training**

- internal automatic measurements

#### **3.4 Lunch break**

#### **3.5 Hands on training**

- internal automatic measurements (continue)

## **4 Day 4 - schedule (8 training hours, ends at 16:00)**

### **4.1 CMA Run**

- CMA Run introduction
- computer set up
- license installation

### **4.2 Measurement setup**

- tests
- test plans
- results presentation

### **4.3 Hands On training**

### **4.4 Lunch break**

### **4.5 Questions/ Answers**

### **4.6 Final Exam**