

# Wireless and Information Technologies

## 2. Measurement Systems



### EMC Measurements

Pre-compliance EMC measurements of radiated and conducted emissions in VISTA

EMC chamber: Shielded semi-anechoic chamber, 16 m x 12 m x 9 m

Antenna mast: Measurement heights 1 ... 4 m

Instruments: EMI test receiver  
Rohde & Schwarz ESR-7,  
Artificial mains network  
Rohde & Schwarz ENV432

Frequency range:

9 kHz ... 6 GHz

Measurement

distance: 3... 5 m



### Antenna Measurement Laboratory (complementary to VISTA)

Antenna characterisation through far field measurements, optionally nearfield – far field transformation if used as spherical near field scanner

Manufacturer: Nearfield Systems, Inc.

System: NSI-800F-10x with nearfield measurement option NSI-SW5305

Shielded room: 8.9 m x 5.1 m x 5.1 m

Frequency range:

800 MHz ... 95 GHz

Maximum load of positioner: 10 kg

Measurement distance: 5 m

Angular resolution: 0.03°

