

3 TEST CONDITIONS AND RESULTS

3.1 Equivalent isotropic radiated power

For test instruments and accessories used see section 6 Part CPR2.

3.1.1 Description of the test location

Test location: OATS 1



3.1.1 Description of measurement

The radiated power of the fundamental wave from the EUT is measured in the frequency range of 30 to 1000 MHz using a tuned receiver and appropriate broadband linearly polarized antennas at an OATS. Measurements between 30 MHz and 1000 MHz are made with 120 kHz/6 dB bandwidth and peak detection. The antenna was positioned 10 m horizontally from the EUT. To locate maximum emissions from the test sample the antenna is varied in height from 1 to 4 m, measurement scans are made in horizontal and vertical antenna polarization and the EUT is rotated 360 degrees. The higher value is recorded.

The resolution bandwidth during the measurement is as follows:

30 MHz – 1000 MHz: RBW: 120 kHz

3.1.2 Test result

Polarisation of the antenna for the highest emission level:

Type of signal:

Power setting

Vertical

Unmodulated

0x20

Test conditions		Transmitter power EIRP (dBm)		
			315 MHz	
T_{nom} (20°C)	V_{nom} (12 V)		-4.1	
Measurement uncertainty		± 0.75 dB		

Polarisation of the antenna for the highest emission level:

Type of signal:

Power setting

Vertical

Unmodulated

0x38

Test conditions		Transmitter power EIRP (dBm)		
			433 MHz	
T_{nom} (20°C)	V_{nom} (12 V)		-2.6	
Measurement uncertainty		± 0.75 dB		

3.2 Carrier power conducted

For test instruments and accessories used see section 6 Part CPC2.

3.2.1 Description of the test location

