

## 4 TEST RESULTS

### 4.1 AC powerline conducted emissions

EUT	40153		
Accessories	40121, 40155, 40161		
Temp, Humidity, Air Pressure	19°C	51 % RH	1014 mbar
Date of measurement	24.1.2005		
FCC rule part	§15.107		
ICES-003 section	5.3		
Measured by	Jari Jantunen		
Result	<b>PASS</b>		

#### 4.1.1 Limit

##### CISPR 22 Class B limit

Frequency band (MHz)	Quasi-peak limit (dB $\mu$ V)	Average limit (dB $\mu$ V)
0.15 – 0.5	66 – 56	56 – 46
0.5 – 5	56	46
5 – 30	60	50

#### 4.1.2 EUT operation mode

EUT operation mode	GSM 1900, idle mode, BlueTooth standby
EUT operation voltage	115V/60Hz

#### 4.1.3 EUT test setup



**Picture 1 EUT test setup**

1000-8500	500 / 5000	54 / 74	AV / PK
-----------	------------	---------	---------

#### 4.2.2 EUT operation mode

EUT operation mode	GSM 1900, idle mode, BlueTooth standby
EUT operation voltage	115V/60Hz

#### 4.2.3 EUT test setup



**Picture 3 EUT test setup**

#### 4.2.4 Emission measurement data, 30 MHz – 8500 MHz

The measurement results were obtained as described below.

$$E[uV / m] = U_{RX} + A_{CABLE} + AF - G_{PREAMP}$$

Where

$U_{RX}$  receiver reading

$A_{CABLE}$  Attenuation of the cable

$AF$  Antenna factor

$G_{PREAMP}$  Gain of the preamplifier