3. Testobject Data

3.1 General EUT Description

Equipment under Test:	Motorola Bluetooth Car Kit
Type Designation:	
Kind of Device: (optional)	
Voltage Type:	DC
Voltage level:	12V (9V-16V)

General product description:

Bluetooth is a short-range radio link intended to be a cable replacement between portable and/or fixed electronic devices.

Bluetooth operates in the unlicensed ISM Band at 2.4 GHz. In the US a band of 83.5 MHz width is available. In this band, 79 RF channels spaced 1MHz apart are defined. The channel is represented by a pseudo-random hopping sequence through the 79 channels. The channel is devided into time slots, with a nominal slot length of 625µs, where each slot corresponds to different RF hop frequencies. The nominal hop rate is 1600 hops/s. All frequencies are equally used. The average time of occupancy is 0.3797 s within a 30 second period.
The symbol rate on the channel is 1 Ms/s.

The EUT provides the following ports:

Ports
temporary antenna connector
Enclosure

The main components of EUT are listed and described in Chapter 3.2