



**Bluetooth Phone Module  
Model: BPM(B)  
Product information summary**

**1. Basic product information**

Brand name	Continental Automotive Systems
Type designation	BPM(B)
Frequency range	2402 MHz-2480 MHz
Modulation	FHSS
Transmitter power	3,43 dBm (2,2 mW)
Duty cycle	0,377
Power supply	12V DC
External antenna	Optional
Antenna gain for Bluetooth technology	1,5 dBi
Standard(s) Applied	EN 301 489-1 08/2002 ETSI EN 300 328-2 V1.6.1(2004-11) EN: 60950-1:2001 FCC Part 15, Subpart C, §15.247

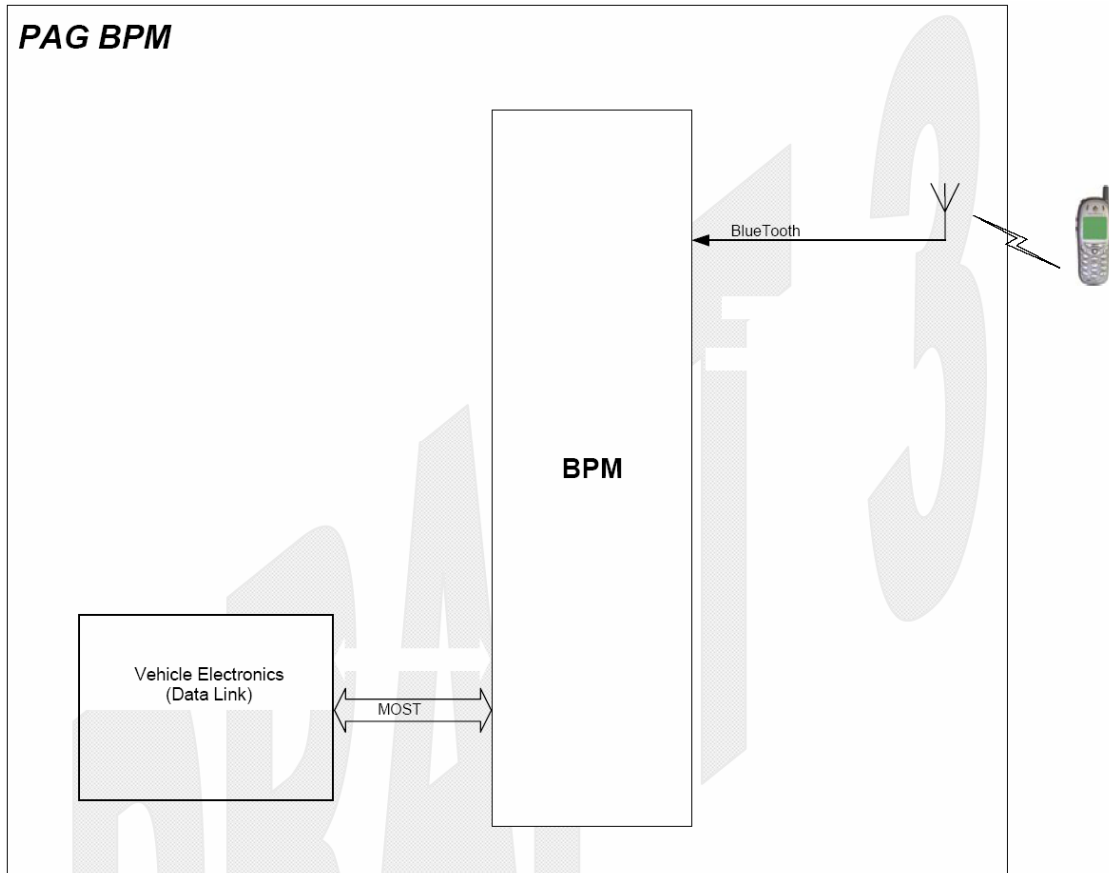
**2. Product Functionality description**

The Continental Bluetooth Phone Module will provide consumers with the ability to make and receive hands-free personal calls within their vehicles by interacting with the BPM through Voice Recognition (VR) and invehicle HMI. The BPM uses the capabilities within the consumer's personal Portable Phone connected via Bluetooth to access the cellular network. Key features include speaker independent continuous digit dialling, voice tag dialling and high quality handsfree audio processing. Additionally, the BPM provides run-time and on-demand diagnostics capabilities and provides configurable parameter management and software update capabilities.

BPM(B) Model: This family of product is based on the generic product as described but has two variants. The variant classification is governed by the optical bus protocol – either a MOST or D2B bus.

The BT circuit design is common and fixed between variants.

### 3. System Architecture



Please note customer's external cellular phone is out of scope of this application.

### 4. Reference

4.1. Product Description Document (PDD).

4.2. Block diagram.

4.3 FCC Measurement/Technical report on Bluetooth transceiver, car phone module BPM(B). Filename "MDE\_CONTI\_0605\_FCCa.pdf"