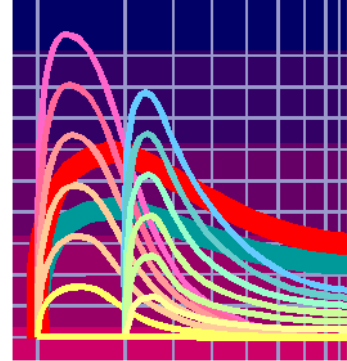


PHOENIX TEST-LAB GmbH, Königswinkel 10, D-32825 Blomberg

FCC
Federal Communications Commission



Königswinkel 10, D-32825 Blomberg
Tel. +49 (0)5235-9500-0
Fax. +49 (0)5235-9500-10
e-mail: office@phoenix-test-lab.de
Web: http://www.phoenix-test-lab.de

4. April 2003
Dr. Altmaier-i

Dear application examiner,

the connectBlue Bluetooth Comfort Module (BCM001) is seeking the FCC authorization as a modular transmitter. As the device is considered an OEM installation, according to FCC public notice DA 00-1407, a **Limited modular approval** could be granted.

1. The modular transmitter must have its own RF shielding

The radio part of the module is contained in its own RF shielding. The emissions produced by the module are below the limits. For this reason an own RF shielding of the module is not necessary.

Requirement fulfilled.

2. The modular transmitter must have buffered modulation / data inputs

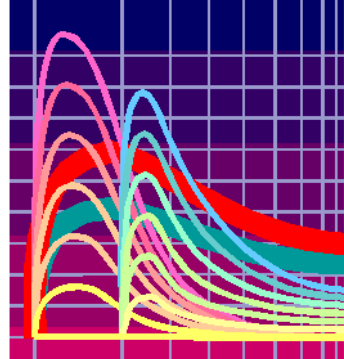
The module has no modulation inputs. Such inputs are not provided on the module. The Bluetooth radio is self-contained.

Requirement fulfilled.

3. The modular transmitter must have its own power supply regulation

The module has its own on board power supply circuit.

Requirement fulfilled.



4. The modular transmitter must comply with the antenna requirements of Section 15.203 and 15.204c

The transmitter shall only use with the tested antenna or with an antenna that has less antenna gain. The specifications of the assigned antennas are filed with this application.

Requirement fulfilled.

5 The modular transmitter must be tested in a stand-alone configuration

The EUT was tested in the requested stand-alone configuration.

Requirement fulfilled.

6. The modular transmitter must be labelled with its own FCC ID number

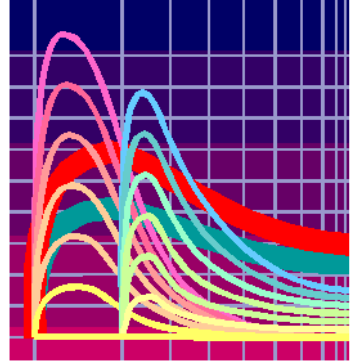
The EUT was not labelled during the test. But it will be labelled with its own FCC ID number. The label specification is filed with this application. If the module is installed inside of an end product, the label cannot be seen. In this case the OEM customer will be instructed to how to apply the visible label.

Requirement fulfilled.

7. The modular transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.

The EUT is compliant with all applicable FCC rules. Detail instructions are given in the user guide.

Requirement fulfilled.



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8 The modular transmitter must comply with any applicable RF exposure requirements.

The maximum measured output power is 0.6 dBm (1.1 mW), the maximum antenna gain is 3 dBi = numeric gain 2.0.

The maximum permissible exposure is defined in 47 CFR 1.1310 with 1 mW / cm². The distance from the EUT's transmitting antenna where the exposure level reaches the maximum permitted level is calculated using the general equation:

$$S = P \cdot G / 4\pi R^2$$

With:

S_{max} = 1 mW / cm²,

P = 1.1 mW,

G = linear power gain relative to the isotropic radiator = 3 dBi = 2.0 (numeric gain),

R = distance in cm

Solving for R, the 1 mW / cm² Limit is reached in a distance of 0.4 cm to the transmitting antenna.

The module has to be integrated in a way that the minimum distance of 0.4 cm is ensured so a statement in the user manual is not necessary.

If you have any further question, do not hesitate to contact us.

Best regards

PHOENIX TEST-LAB GmbH