

LIMITED MODULAR APPROVAL

REQUEST LETTER

14th May 2012

Telecommunication Certification Body
RFI Global Services Ltd
Pavilion A
Ashwood Park
Ashwood Way
Basingstoke
Hampshire
RG23 8BG
England

TO WHOM IT MAY CONCERN

We, Bang & Olufsen a/s, request Limited Modular Approval for our WLAN module:

Brand Name: Bang & Olufsen
Model: LBWA1ZZPD
FCC ID: TTULBWA1ZZPD

We hereby requested Limited Modular Approval for our module, LBWA1ZZPD, to be integrated into our specific host devices, BeoPlay V1-32 and BeoPlay V1-40.

In 47 C.F.R. §15.212 there are eight requirements a modular transmitter must meet to obtain a modular transmitter approval. Our LBWA1ZZPD module complies with all these requirements:

Modular Approval Requirements	
<p>(a) The radio elements must have the radio frequency circuitry shielded. Physical/discrete and tuning capacitors may be located external to the shield, but must be on the module assembly. Shielding must be top and bottom (bottom can be PCB ground plane). Holes in screening must be considerably smaller than the transmitter wavelength.</p> <p>B&O: The LBWA1ZZPD includes screening to cover the top of the and the use of PCB ground planes provide screening on the bottom of the module.</p>	Yes
<p>(b) The module shall have buffered modulation/data input(s) (if such inputs are provided) to ensure that the module will comply with Part 15 Requirements with any type of input signal</p>	Yes
<p>(c) The module shall have its own power supply regulation on the module.</p>	Yes
<p>(d) The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b);</p> <p>B&O: The LBWA1ZZPD module uses an antenna, Tyco part number 1513712-1, with an unique external connector</p>	Yes
<p>(e) The module must demonstrate compliance in a stand-alone configuration;</p> <p>B&O: Please refer to rationale statement at the end of this letter</p>	No
<p>(f) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display</p>	Yes
<p>(g) The module must comply with all specific rules applicable to the transmitter. The grantee must provide comprehensive instructions to explain compliance requirements;</p>	Yes
<p>(h) The module must comply with RF exposure requirements. For any transmitters intended for use in portable devices, SAR compliance must be demonstrated to be independent of the host device.</p> <p>B&O: RF Exposure conformance has been met at 20cm user distance has been demonstrated via MPE calculation.</p>	Yes

Rationale for Limited Modular Approval

Our module LBWA1ZZPD was not tested fully on a standalone basis. Therefore Part 15C247 and Part 15E407 Radiated Spurious Emissions testing was performed with our module integrated into the following two host units:

BeoPlay V1-32

BeoPlay V1-40

Yours sincerely



Jesper Flyvholm
Technical Project Manager