

ARCAM

13/05/2013

Telecommunication Certification Body
UL VS Ltd
Pavilion A
Ashwood Park
Ashwood Way
Basingstoke
Hampshire
RG23 8BG
England

TO WHOM IT MAY CONCERN

We, A & R Cambridge Ltd (Arcam), request Modular Approval for our Bluetooth module:

Brand Name: ARCAM
FCC ID: YONDNW101020-00
Model Number: L221AY

FCC Rule Part 15.212 Modular Approval Checklist:

Modular Approval Requirements	Yes/No
(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.	Yes (Note #1)
(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	Yes
(c) The module shall have its own power supply regulation on the module.	Yes

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(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);	Yes, Unique antenna type (reverse polarity SMA)
(e) The module must demonstrate compliance in a stand-alone configuration;	Yes
(f) The module must be labelled with its permanently affixed FCC ID label, or use an electronic display	Permanently fixed label
(g) The module must comply with all specific rules applicable to the transmitter. The grantee must provide comprehensive instructions to explain compliance requirements;	Yes
(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.	Yes, The MPE calculation confirms RF exposure conformance @20cm

Note 1:

The L221AY module PCB is comprised of multiple layers. Layer 2 is primarily a grounding layer. Further shielding is also provided by additional grounding on layers 3 and 4.

The L221AY product is compliant with all modular approval requirements of FCC rule part 15.212.

Yours sincerely



Peter Kuell
Senior Hardware Design Engineer