

**BQB: Laurence Richardson**  
**7 layers UK Limited, Melbourn Science Park, Cambridge Road,**  
**Melbourn, Royston, Hertfordshire, SG8 6HB, U.K.**

<b>1</b>	<b>applicants details:</b>		member <input checked="" type="checkbox"/>	private label product <input type="checkbox"/>
	applicant:	Cambridge Silicon Radio	person responsible:	Peter Flittner
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<b>2</b>	<b>manufacturers details</b> (if not the applicant):	
	manufacturer:	as above
	address :	N.A.

<b>3</b>	<b>equipment:</b>	
	brand name:	BlueCore™3-ROM (also known as "BC03-ROM")
	product type:	Component
	sup. profiles:	N/A
	identifier:	BC3-ROM (BC313143A)
	HW version:	BC3-ROM
	SW version:	not applicable

<b>4</b>	<b>reference documents:</b>	initial	update
	Test Case Reference List:	2003-11-05	-
	Test Case Reference List Addendum:	-	-
	Core Specification:	1.2	-
	Program Reference Document:	1.0	-

<b>5</b>	<b>QPN identification:</b>	
	ref no. of QPN:	CSR_0604_QPN
	listing date:	16 February 2004

Hereby I certify that the above named product is qualified in accordance with the above reference documents as a Bluetooth Component for the Covered Functionality defined in Annex A.

Melbourn, 2004-02-16

*place, date*



*signature of BQB*

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### **Annex A (Covered Functionality Declaration):**

The Covered Functionality of this product is defined as follows:

1. RF part as defined in Part A of the Bluetooth Core Specification, Version 1.2 including all mandatory features and the following optional features:

- Power class 2
- Support of 3-slot and 5-slot packages
- 79 channels

The above mentioned functionality is valid under the following conditions:

- Normal temperature: +22°C
- Temperature range: -40°C to +85°C
- Nominal Voltage and Voltage range:  
tested with an externally regulated 3.15V supply connected to BC03's inputs:  $V_{DD\_PADS}$ ,  $V_{DD\_PIO}$ ,  $V_{DD\_USB}$  and  $V_{REG\_IN}$ .  
The  $V_{DD\_RADIO}$ ,  $V_{DD\_VCO}$  and  $V_{DD\_CORE}$  inputs were powered from the BC03's enabled internal voltage regulator which provided a 1.8V supply on  $V_{DD\_ANA}$ .
- Antenna gain: 1.9 dBi
- Antenna type: external; the IUT used an off-chip balun and filter.
- Oscillator: an external crystal or external clock input may be used; the IUT was tested with an external 13MHz clock.
- Component type: integrated circuit (IC)

### **Annex B (Integration Notes):**

Integrators shall observe the reference design application note and datasheet supplied by CSR.

The scope of this listing is the RF part only. The manufacturer holds some separate listings for its software stacks. The current "Guideline to integrate components including RF functionality" of BTAB shall be considered by the BQB in the qualification assessment when this pre-tested component is included in Bluetooth products.

For qualification testing purposes, the component was tested with PCB DEV-CD-1314, REV A, 15-07-03, "Nick-Nack Murata Balanced Filter Development Module".

### **Annex C (Updates):**

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### **Annex D (Revision History):**

Date	Reference	Comment
2004-02-16	CSR_0604_QPN	First issue

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