

Dated 7<sup>th</sup> August 2008

Tom Twynam  
 Principal Telecommunications Engineer  
 BABT TCB  
 Balfour House  
 Churchfield Road,  
 Walton-on-Thames,  
 Surrey,  
 KT12 2TD

Dear Mr Tom Twynam

**Re: Bluetooth and WiFi Antenna**

We, RDT limited of The Old Coach Hose, The Avenue, Farleigh Wallop, Hampshire, RG25 2HT hereby declare that we have not modified the Bluetooth and WiFi Antenna and they are identical to those shown in the grants for the modules.

**1. Antenna Description and Type:**

**Bluetooth Antenna**

- Advanced Ceramics type AT3216
- Specifications Part Number AT3216 -B2R7HAA
- Frequency Range (MHz) 2400 ~ 2500
- Peak Gain (XZ-V) 0.5 dBi typ.
- Average Gain (XZ-V) -0.5 dBi typ.
- VSWR 2 max.
- Impedance 550 Ω

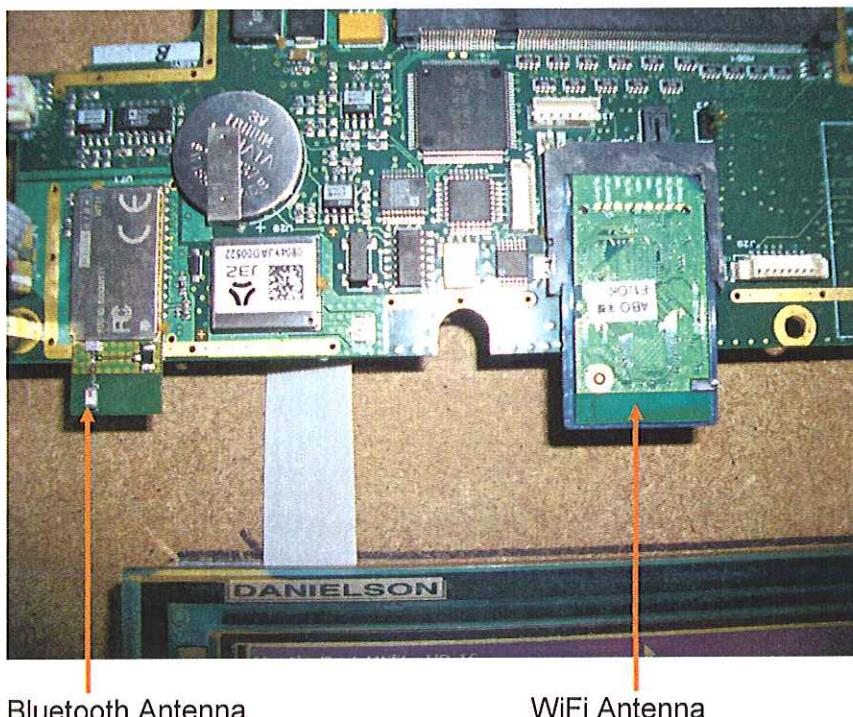
Antenna Length (if Known):	8mm
Product Model Number:	00-1001
Frequency:	Top: 2480MHz Middle: 2441MHz Bottom: 2402MHz
Maximum Power – Input to the Antenna:	0.023W
Antenna Gain (or maximum gain allowed):	0.5dBi
Separation Distance from Antenna (minimum distance between user and equipment antenna) (if greater than 20cm):	20cm

### WiFi Antenna

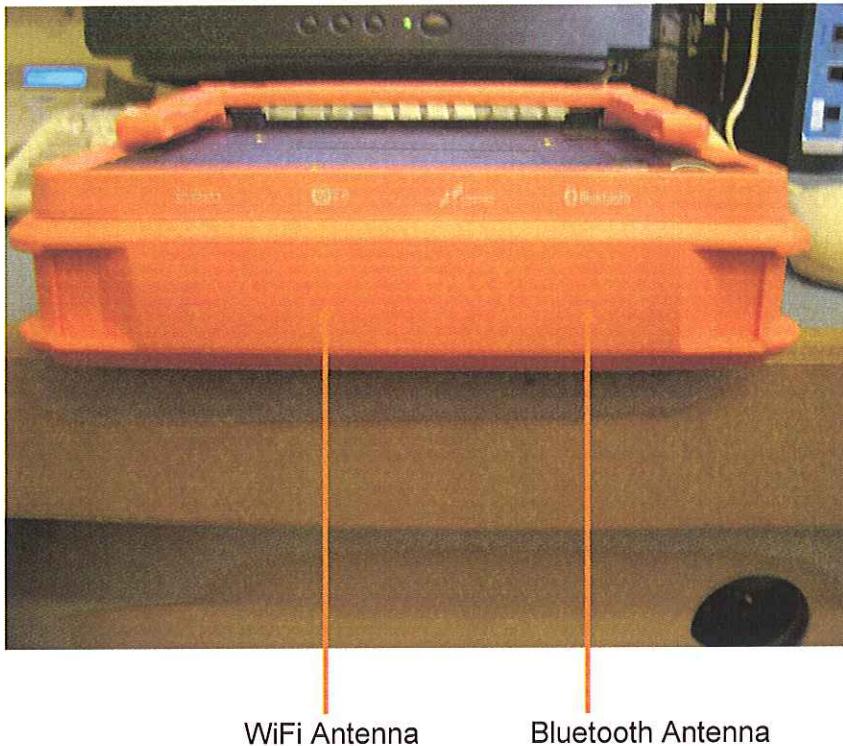
- Antenna is formed by copper track on the PCB.

Antenna Length (if Known):	22.4mm
Product Model Number:	00-1001
Frequency:	Top: Middle: Bottom:
Maximum Power – Input to the Antenna:	2484MHz
Antenna Gain (or maximum gain allowed):	2437MHz
Separation Distance from Antenna (minimum distance between user and equipment antenna) (if greater than 20cm):	2412MHz
Separation Distance between Bluetooth and WiFi Antenna	0.01524W 1.98dBi 20cm 75mm

### 2. Internal Photos of Antenna Placements:



3. External Photos of Antenna Placements:



Sincerely,



Quality Systems Manager: Mr Mark Newman

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