

12.0 COMPLIANCE STATEMENT

The Fujitsu TABLET PC, Model: P1620 with INTEL Mini-PCI Wireless LAN Module (ATHEROS 802.11a/b/g/n), Model: AR5BXB6 & TAIYO YUDEN Bluetooth Module, Model: EYTF3CS FT was found to comply with the FCC and RSS-102 SAR requirements.

The highest SAR level recorded was 0.16 mW/g for a 1g cube. This value was measured at 2462 MHz (channel 11) in the "Edge On w/ extended battery" position in DSSS modulation mode at the antenna A. The Bluetooth was ON at Frequency 2441 MHz. This was below the limit of 1.6 mW/g for uncontrolled exposure, even taking into account the measurement uncertainty of 20.6 %.



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APPENDIX A1 TEST SAMPLE PHOTOGRAPHS

P1620 Host - Conventional Laptop Configuration



P1620 Host - Tablet Front



APPENDIX A2 TEST SAMPLE PHOTOGRAPHS

Battery 1



Battery 2



Model: AR5BXB6 – WLAN Module



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APPENDIX A3 TEST SETUP PHOTOGRAPHS

Edge On Position



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APPENDIX B PLOTS OF THE SAR MEASUREMENTS

Plots of the measured SAR distributions inside the phantom are given in this Appendix for all tested configurations. The spatial peak SAR values were assessed with the procedure described in this report.

Table: 2450 MHz DSSS Band SAR Measurement Plot Numbers

Test Position	Plot No.	Ant	Bit rate Mode (Mbps)	Channel Bandwidth (MHz)	Test Channel
Edge On	1	A	1	-	01
	2	A	1	-	06
	3	A	1	-	11
Z-Axis Graph for Plots 1 - 3					
Edge On w/ BT	4	A	1	-	11
Edge On w/ Extended Battery	5	A	1	-	11

Table: 2450MHz Validation Plot

Plot 6	Validation 2450 MHz 4 th December 2007
Z-Axis Graphs for Plots 4 -6	



Test Date: 04 December 2007

File Name: Edge On DSSS 2450 MHz Antenna A Side Bluetooth Off 04-12-07.da4

DUT: Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480

* Communication System: DSSS 2450 MHz; Frequency: 2412 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.92012 \text{ mho/m}$, $\epsilon_r = 53.8571$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1377; ConvF(3.98, 3.98, 3.98)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 1 Test/Area Scan (81x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.060 mW/g

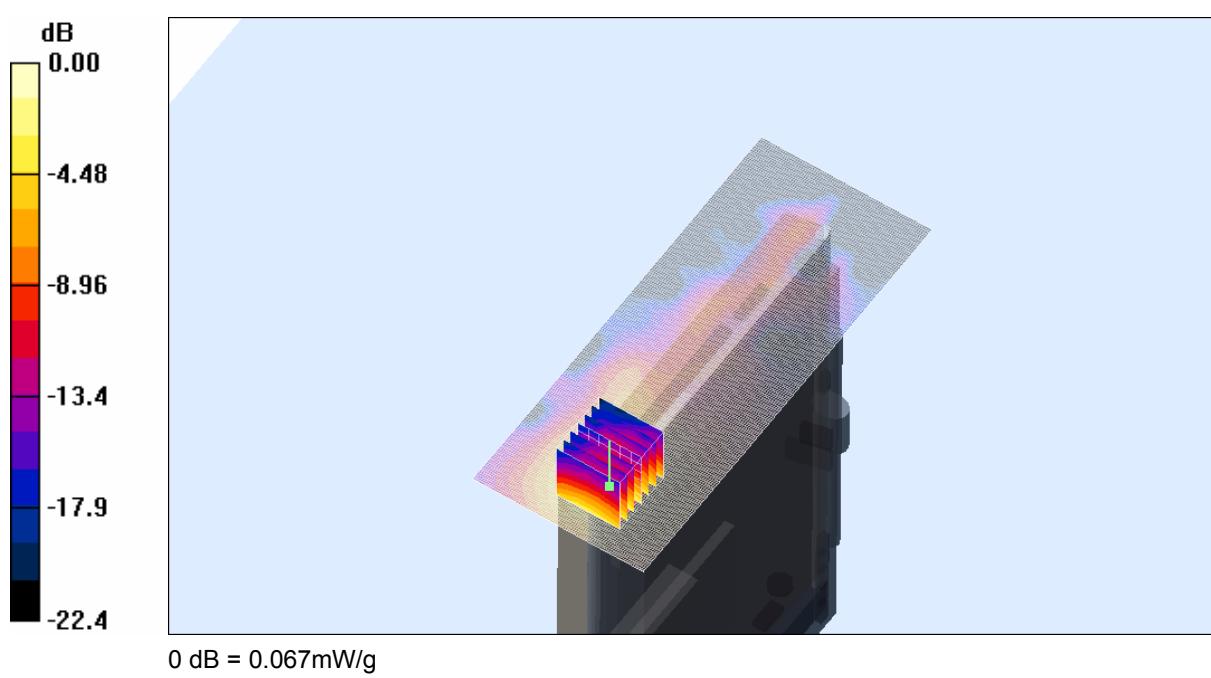
Channel 1 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 5.36 V/m; Power Drift = -0.333 dB

Peak SAR (extrapolated) = 0.129 W/kg

SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.067 mW/g



Ambient Temperature

21.8 Degrees Celsius

Liquid Temperature

21.2 Degrees Celsius

Humidity

64.0 %



Test Date: 04 December 2007

File Name: Edge On DSSS 2450 MHz Antenna A Side Bluetooth Off 04-12-07.da4

DUT: **Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480**

* Communication System: DSSS 2450 MHz; Frequency: 2437 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.95528 \text{ mho/m}$, $\epsilon_r = 53.7236$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1377; ConvF(3.98, 3.98, 3.98)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 6 Test/Area Scan (81x201x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.101 mW/g

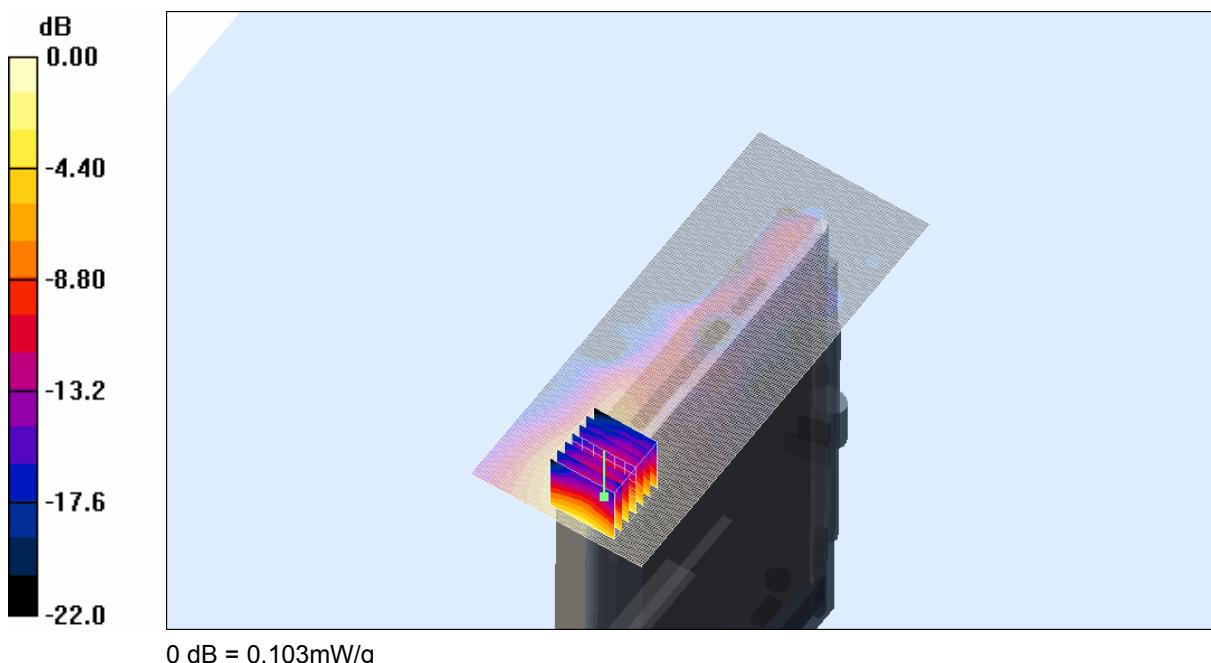
Channel 6 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 6.78 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.199 W/kg

SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.103 mW/g



Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.2 Degrees Celsius
64.0 %



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Test Date: 04 December 2007

File Name: Edge On DSSS 2450 MHz Antenna A Side Bluetooth Off 04-12-07.da4

DUT: Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.98919 \text{ mho/m}$, $\epsilon_r = 53.5413$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1377; ConvF(3.98, 3.98, 3.98)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 11 Test/Area Scan (81x201x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.176 mW/g

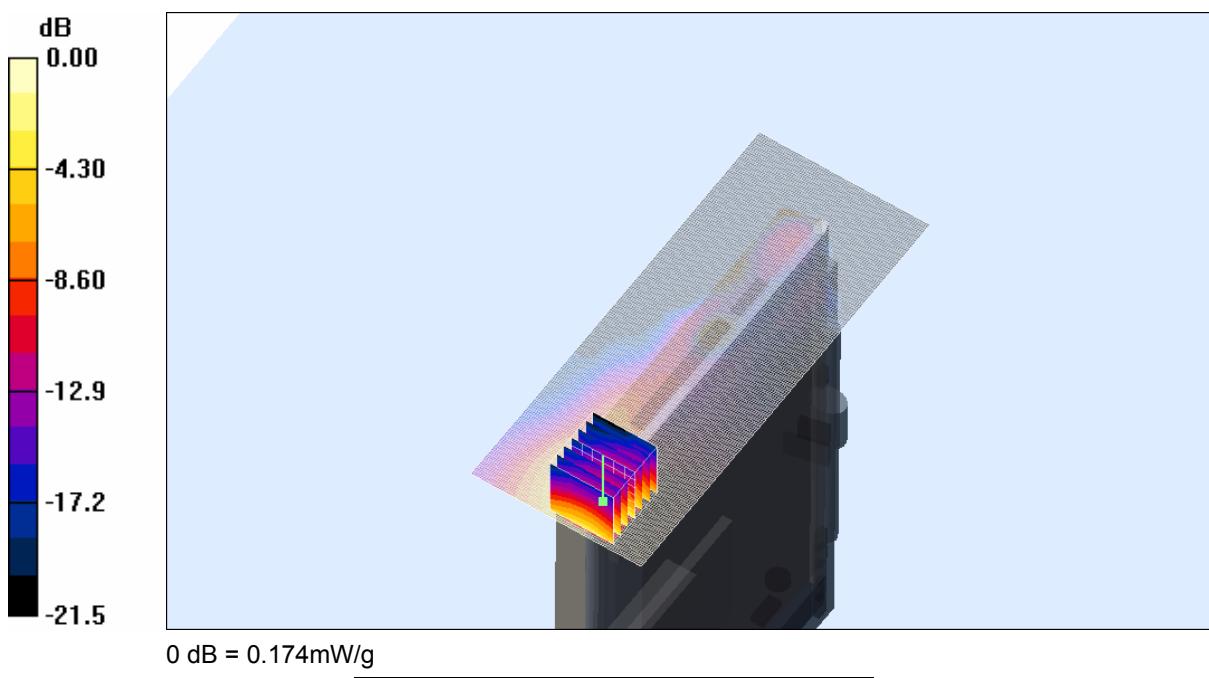
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.65 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.365 W/kg

SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.174 mW/g

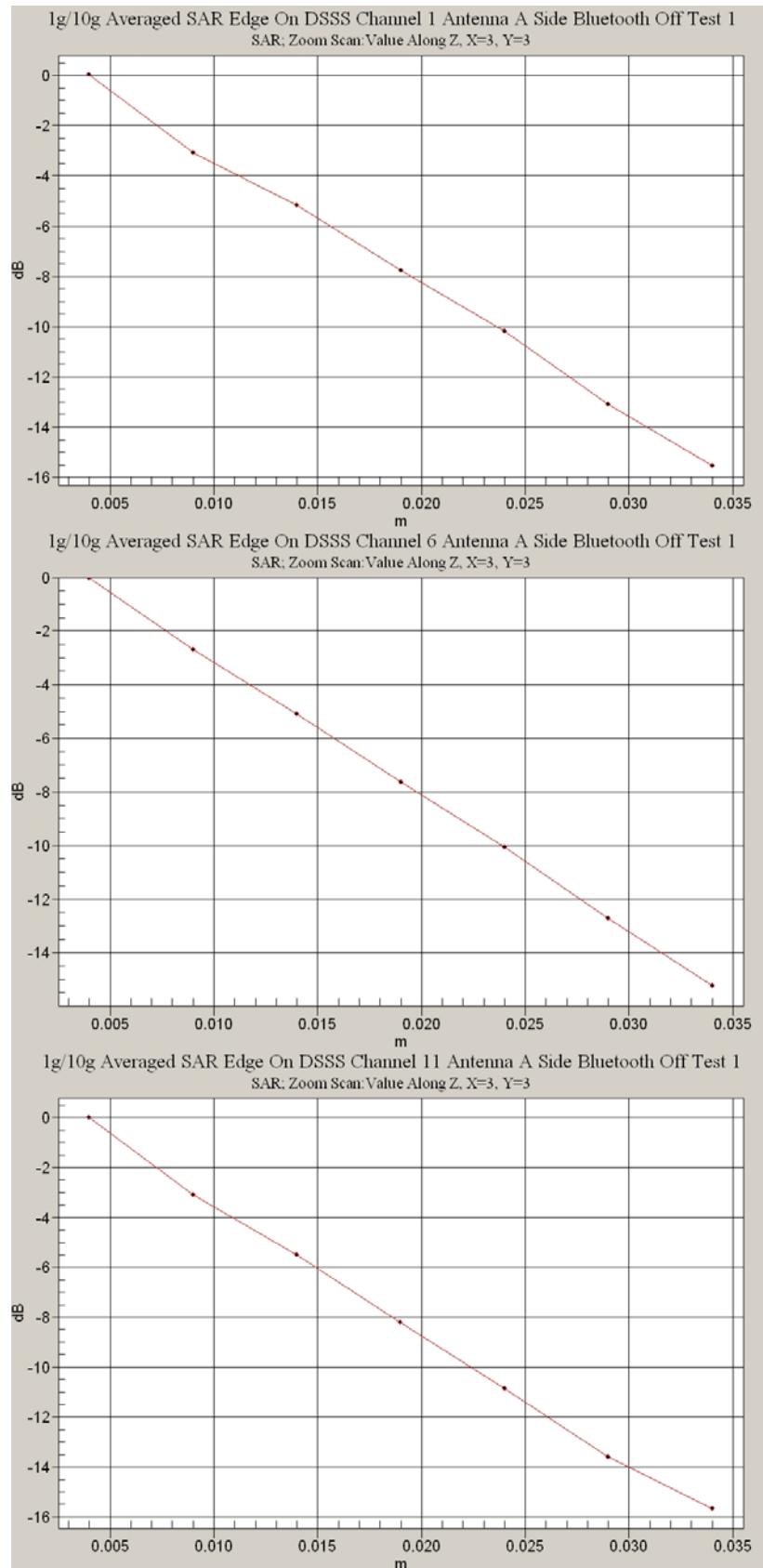


Ambient Temperature
Liquid Temperature
Humidity

21.8 Degrees Celsius
21.2 Degrees Celsius
64.0 %



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Test Date: 04 December 2007

File Name: Edge On DSSS 2450 MHz Antenna A Side Bluetooth On 04-12-07.da4

DUT: **Fujitsu Tablet Ryuga with Atheros 11abg and Bluetooth; Type: XB62; Serial: ZX7X00480**

* Communication System: DSSS 2450 MHz; Frequency: 2462 MHz; Duty Cycle: 1:1

* Medium parameters used: $\sigma = 1.98919 \text{ mho/m}$, $\epsilon_r = 53.5413$; $\rho = 1000 \text{ kg/m}^3$

- Electronics: DAE3 Sn359; Probe: ET3DV6 - SN1377; ConvF(3.98, 3.98, 3.98)

- Phantom: Flat Phantom 10.1; Serial: P 10.1; Phantom section: Flat 2.2 Section

Channel 11 Test/Area Scan (51x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.124 mW/g

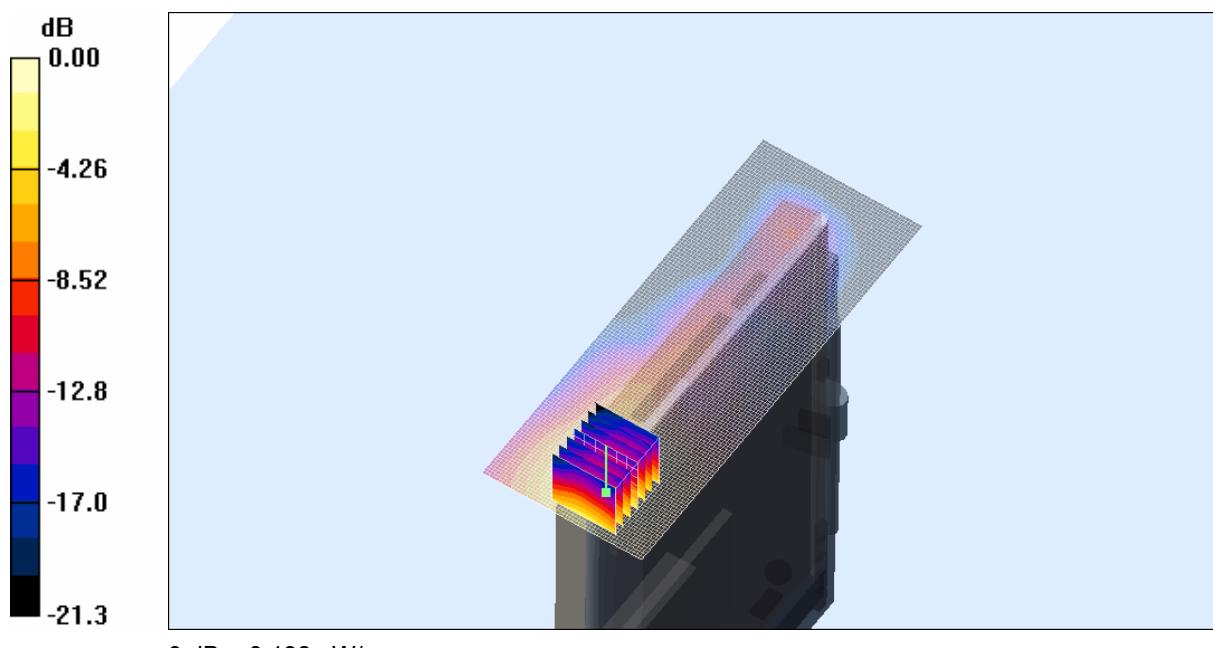
Channel 11 Test/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.15 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 0.278 W/kg

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.062 mW/g

Maximum value of SAR (measured) = 0.138 mW/g



Ambient Temperature

21.8 Degrees Celsius

Liquid Temperature

21.2 Degrees Celsius

Humidity

64.0 %

