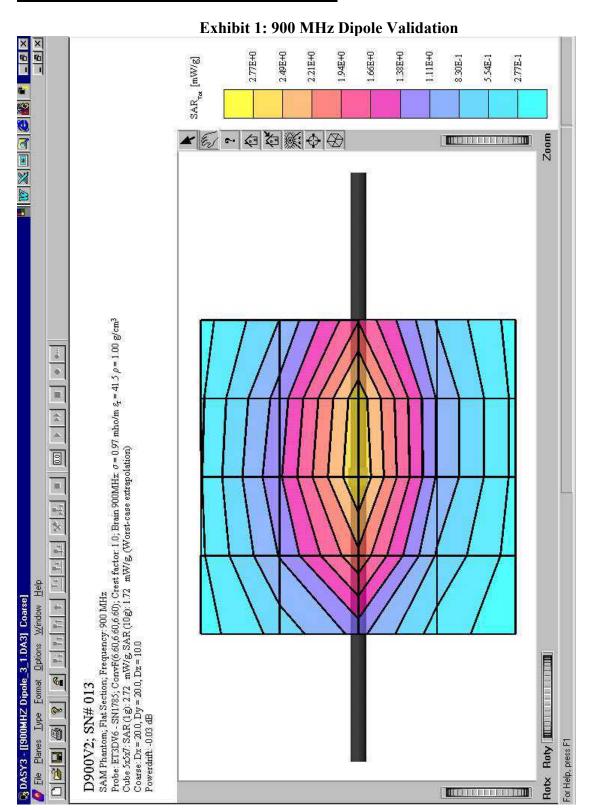


1.0 GRAPHICAL TEST RESULTS

Please note that the graphical visualization of the device position onto the SAR distribution gives only limited information on the current distribution of the device, since the curvature of the head results in graphical distortion. Full information can only be obtained either by H-field scans in free space or SAR evaluation with a flat phantom.



SAR PLOTS FOR SYSTEM VERIFICATION





File: 30584331

Exhibit 2: 900 MHz Dipole Validation × × SAR_{Io} [mW/g] 8.10E-2 2.70E-2 1.89E-1 1.35E-1 · 4 4 % Probe: ET3DV6 - SN1785; ConvF(6.60,6.60,6.60); Crest factor: 1.0; Brain 900MHz: $\sigma = 0.97$ mho/m $\xi = 41.5 \, \rho = 1.00 \, \text{g/cm}^3$ Cube 5x5x7: SAR (1g): 0.273 mW/g, SAR (10g): 0.173 mW/g, (Worst-case extrapolation) Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0 Powerdrift: 0.09 dB 8 1 File Planes Type Format Options Window Help SAM Phantom; Flat Section; Frequency: 900 MHz 🖳 DASY3 - [[Validation 900 MHz] Coarse] Input power to the dipole = 0.025 W1g SAR (normalized to 1W) = 10.92 mW/gRotx Roty e. D900V2; SN# 013 ری 1 For Help, press F1 O 0

Page 3 of 33 FCC Part 2 & RSS-102 SAR Evaluation



7.91E+0 3.96E+0 2.97E+0 1.98E+0 [mW//g] 9.89E-1 SAR D1800V2; SN: 224 SAM Phantom; Flat Section, Frequency: 1800 MHz Probe: ET3DV6 - SN1785; ConvF(5.20,5.20,5.20); Crest factor: 1.0; Brain 1800 MHz: σ = 1.35 mho/m $g_{\rm r}$ = 40.9 ρ = 1.00 g/cm³ Cube 5x5x7; SAR(1g.): 933 mW/g, SAR(10g): 491 mW/g, (Worst-case extrapolation) Coarse: Dx = 200, Dy = 20.0, Dz = 10.0 Powerdrift: -0.13 dB A 000 File Planes Lype Format Options Window Help DASY3 - [[Validation 1800 MHz.DA3] Coarse 4 <u>ه</u> • For Help, press F1

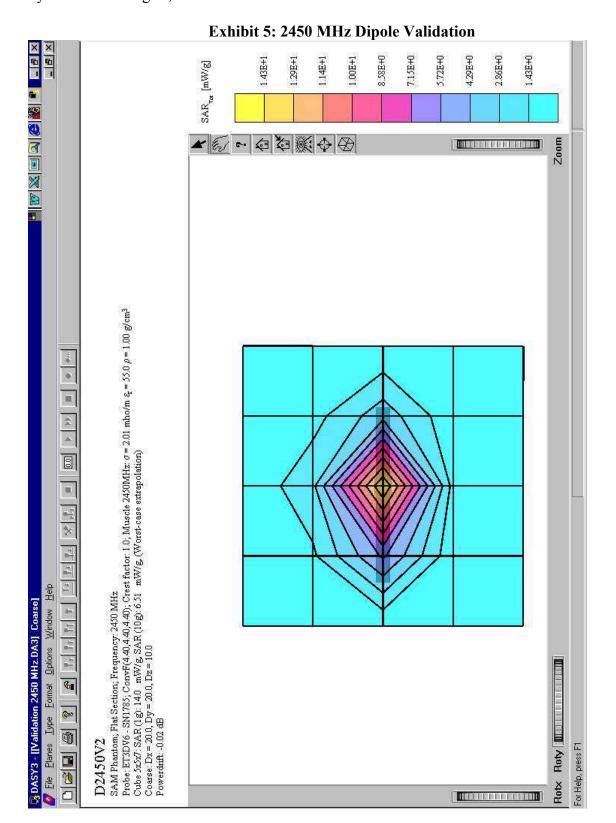
Exhibit 3: 1800 MHz Dipole Validation



× G · 60 SAR_{Io} [mW/g] 3.84E+0 2.88E+0 1.92E+0 8.64E+10 7.68E+0 6.72E+0 5.76E+10 4.80E+0 9.60E-1 Probe: ET3DV6 - SN1785; ConvF(5.20,5.20,5.20); Crest factor: 1.0; Brain 1800MHz: $\sigma = 1.35$ mho/m $s_{\tau} = 40.9$ $\rho = 1.00$ g/cm³ Cube 5x5x7: SAR(1g): 10.1 mW/g, SAR(10g): 5.27 mW/g, (Worst-case extrapolation) Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0 Powerdrift: 0.05 dB 8 Format Options Window Help SAM Phantom; Flat Section; Frequency: 1800 MHz DASY3 - [[Validation 1800 MHz] Coarse] Rotx Roty 4 D1800V2; SN: 224 Type 0 Planes For Help, press F1 File

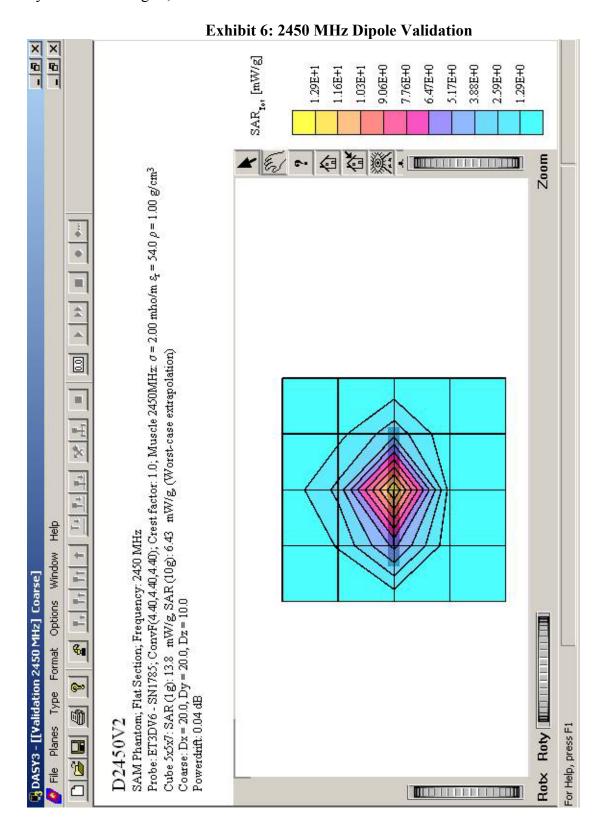
Exhibit 4: 1800 MHz Dipole Validation







File: 30584331





SAR PLOTS FOR CDMA CELL AND PCS BANDS

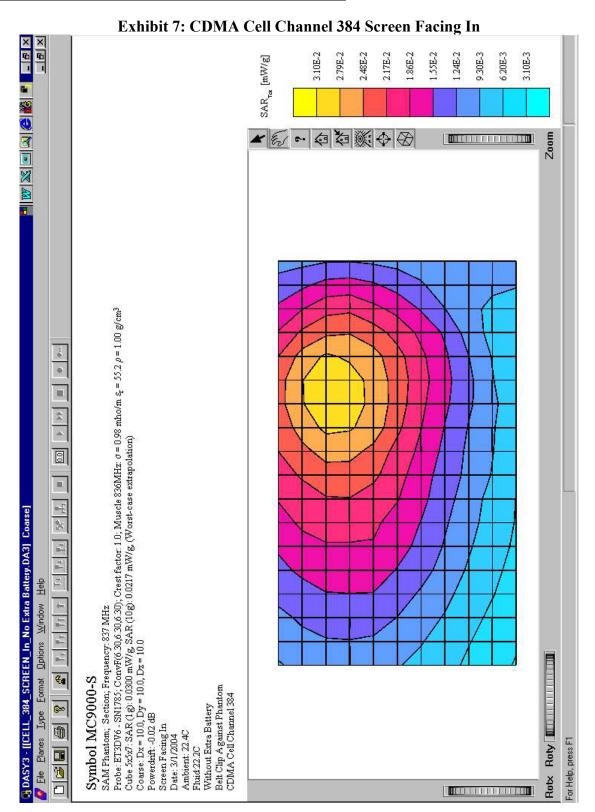
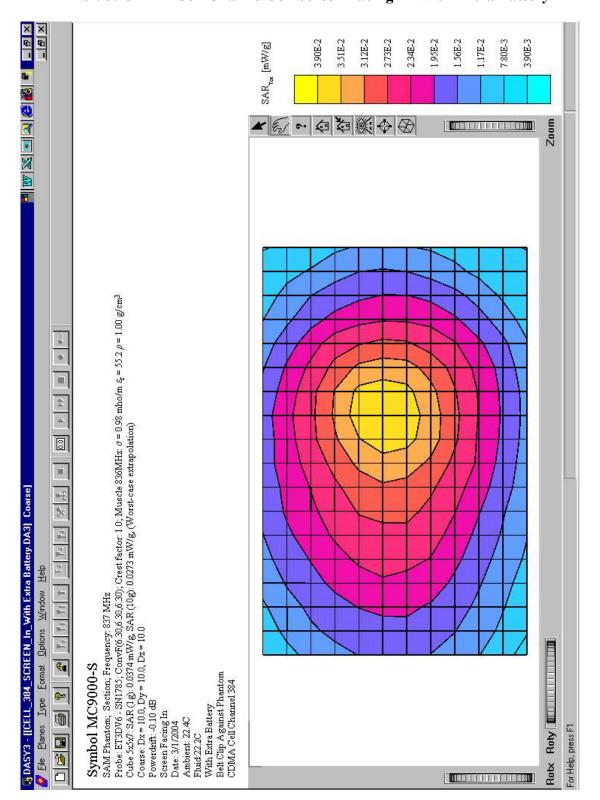
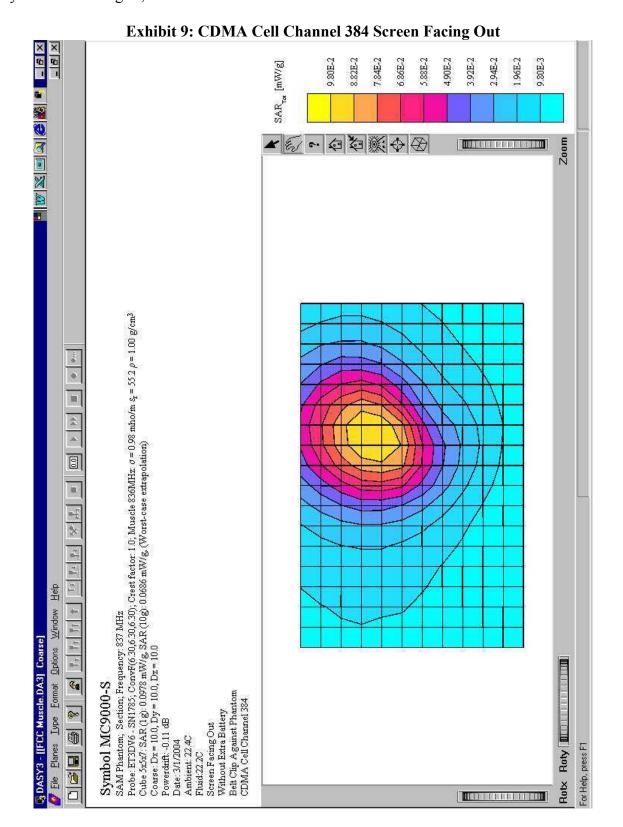




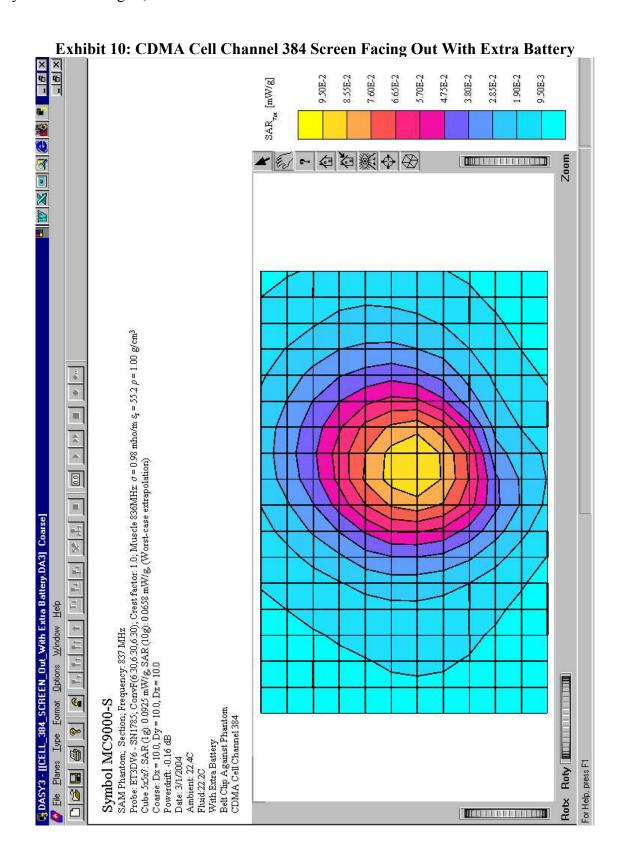
Exhibit 8: CDMA Cell Channel 384 Screen Facing In With Extra Battery













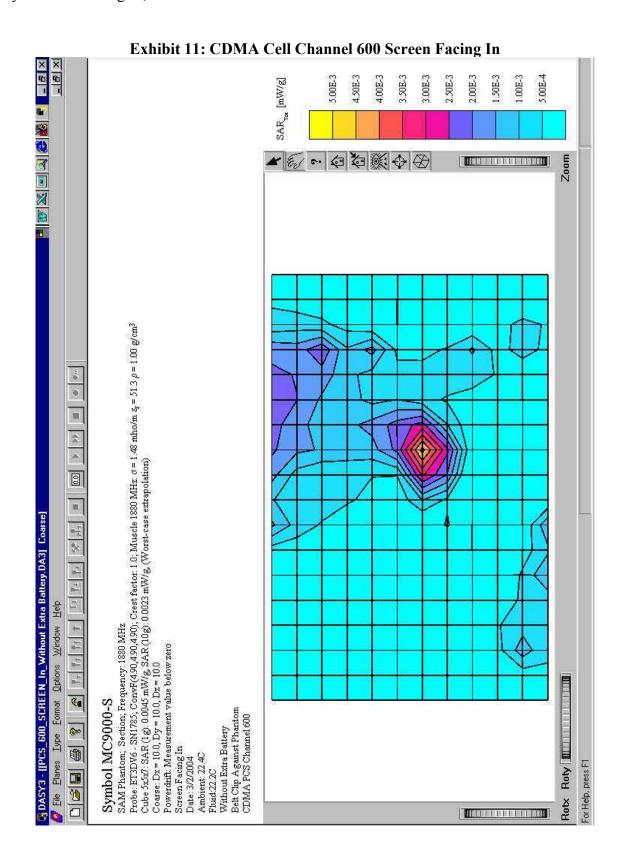
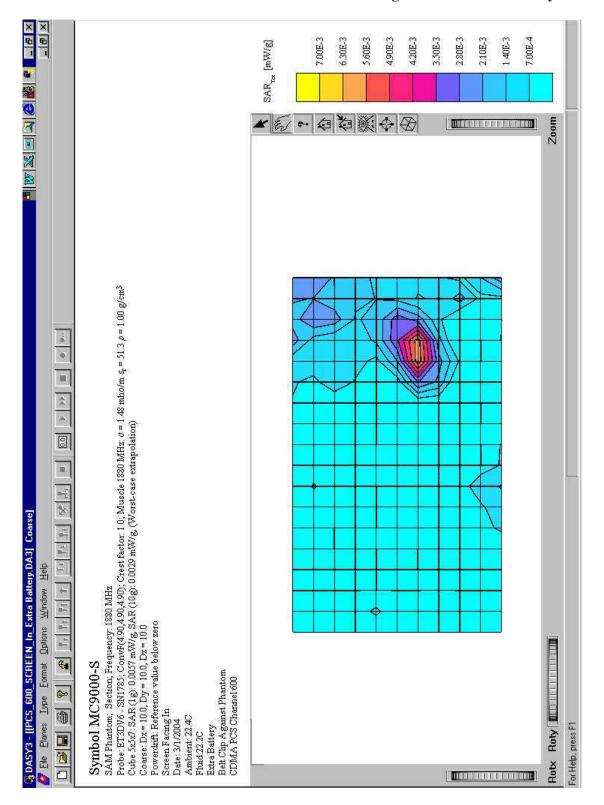
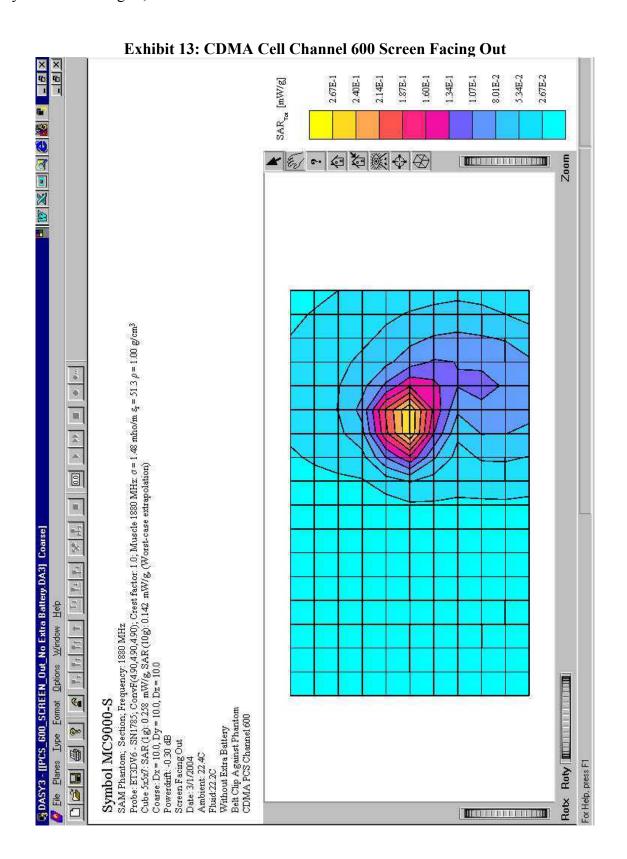




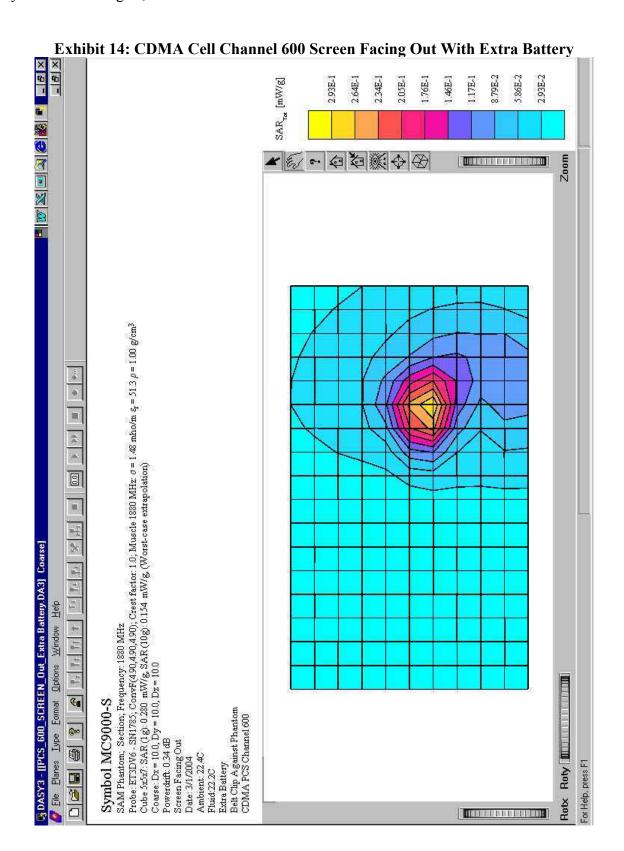
Exhibit 12: CDMA Cell Channel 600 Screen Facing In With Extra Battery













SAR PLOTS FOR RLAN BANDS

Exhibit 15: RLAN Channel 6 Screen Facing In 6 2.80E-3 1.40E-3 4.20E-3 5.60E-3 8.40E-3 1.26E-2 9.80E-3 7.00E-3 SAM Phantom; Section; Frequency: 2437 MHz

Probe: ET3DV6 - SN1783; ConvF(4.40, 4.40, 4.40, 4.00, Muscle 2450MHz: \sigma = 2.01 mho/m \(\varepsilon\) = 1.00 g/cm²

Cube 5x5x7: SAR (1g): 0.0134 mW/g, SAR (10g): 0.0076 mW/g, (Worst-case extrapolation)

Coarse: Dx = 100, Dy = 100, Dz = 100

Powerdrift: -0.69 dB

Streen Faing In

Ambient: 22.4C

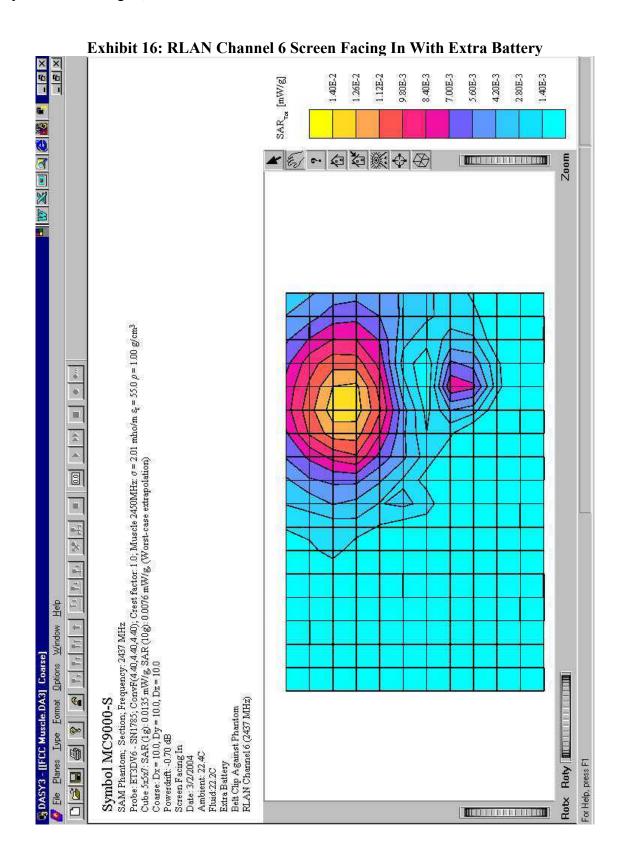
Fluid: 22.0C

Without Extra Battery

Belt Clip Against Phantom

RLAN Channel 6 (2437 MHz) 8 Tr | | Planes Lype Format Options Window Help BASY3 - [[FCC Muscle.DA3] Coarse] Rotx Roty ... 4 Symbol MC9000-S *و* • For Help, press F1



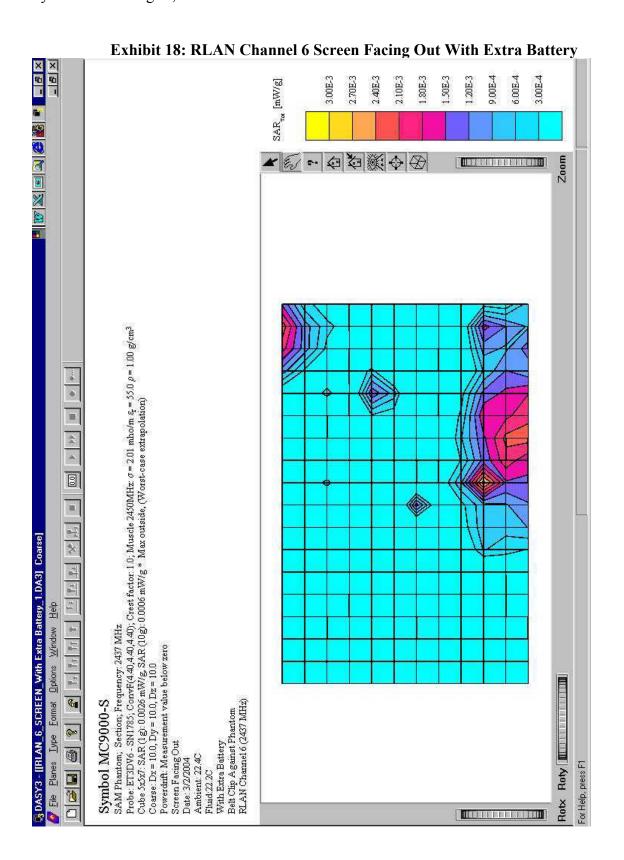




× 1.20E-3 8.00E-4 [B///ww] 2.80E-3 4.00E-4 ▲ 约 · · 每每额 中 ④ HENDERS E DE DESH SAM Phantom; Section, Frequency: 2437 MHz
Probe: ET3DV6.-SN1785, ConvF(4.40,4.40), Crest factor: 1.0; Muscle 2450MHz: σ = 2.01 mho/m $\xi_{\rm r}$ = 55.0 ρ = 1.00 g/cm³
Probe: ET3DV6.-SN1785, ConvF(4.40,4.40), Crest factor: 1.0; Muscle 2450MHz: σ = 2.01 mho/m $\xi_{\rm r}$ = 55.0 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.0033 mW/g, SAR (10g): 0.0015 mW/g, (Worst-case extrapolation)
Coarse: Dx = 100, Dy = 100, Dz = 100
Sorrent Facing Out
Date: 3/2/2004
Ambient: 22.4C A 000 Tr Pr File Planes Lype Format Options Window Help 12 14 14 14 DASY3 - [[FCC Muscle.DA3] Coarse] Fhuid 22.2C Without Extra Battery Belt Clip Against Phantom RLAN Channel 6 (2437 MHz) Ga . Symbol MC9000-S <u>ه</u> • For Help, press F1

Exhibit 17: RLAN Channel 6 Screen Facing Out







SAR PLOTS FOR BLUETOOTH BANDS

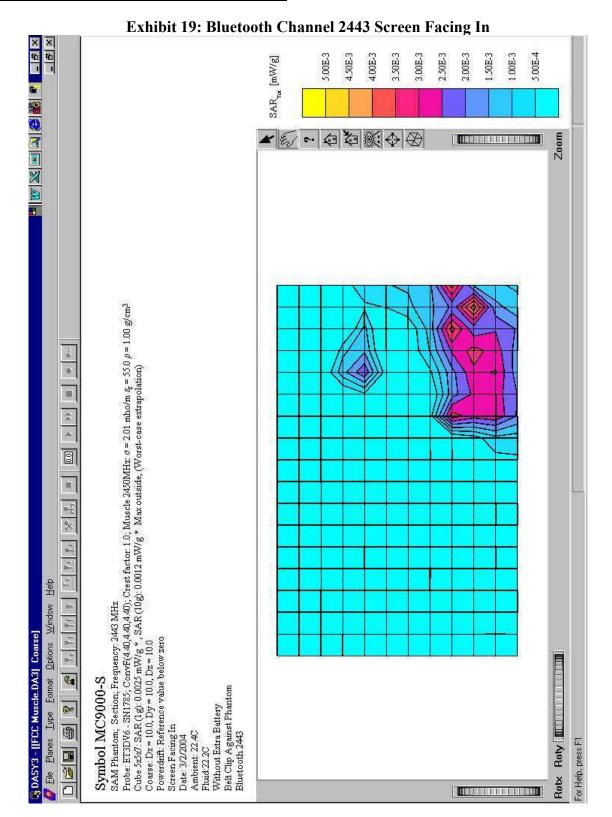
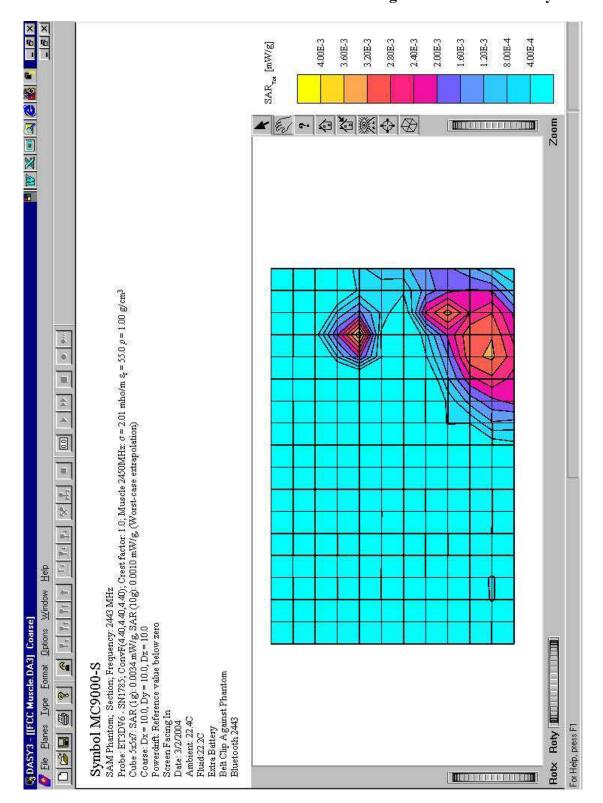




Exhibit 20: Bluetooth Channel 2443 Screen Facing In With Extra Battery



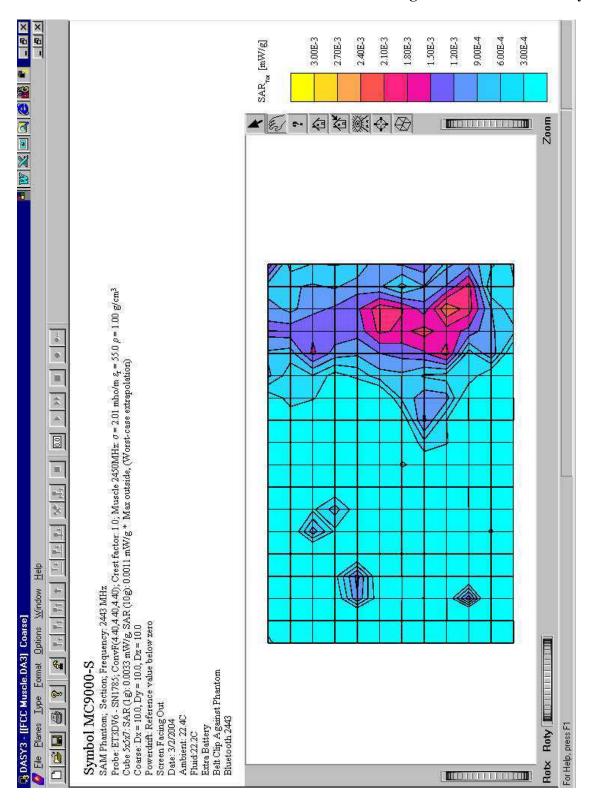


× 9.00E-4 [mW//g] 6.00E-4 3.00E-4 ▲ 约 ~ 每 每 千 中 SAM Phantom; Section, Frequency: 2443 MHz
Probe: ET3DV6. SN1785; ConvF(4.40,4.40), Crest factor: 1.0; Muscle 2450MHz: σ = 2.01 mho/m $\varsigma_{\rm r}$ = 55.0 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.0039 mW/g, SAR (10g): 0.0009 mW/g,* Max outside, (Worst-case extrapolation)
Coarse: Dx = 100, Dy = 100, Dz = 100
Powerdrift: Reference value below zero
Screen Faxing Out
Date: 32,22004
Ambient: 22,4C
Fluid-22.2C
Without Extra Battery
Belt Clip Against Phantom
Bluetooth 2443 A 000 Tr Pr File Planes Lype Format Options Window Help 14 14 DASY3 - [[FCC Muscle.DA3] Coarse] 4 Symbol MC9000-S <u>ه</u> • For Help, press F1

Exhibit 21: Bluetooth Channel 2443 Screen Facing Out



Exhibit 22: Bluetooth Channel 2443 Screen Facing Out With Extra Battery





SAR PLOTS FOR SIMULTANEOUS TRANSMITTER OPERATION

