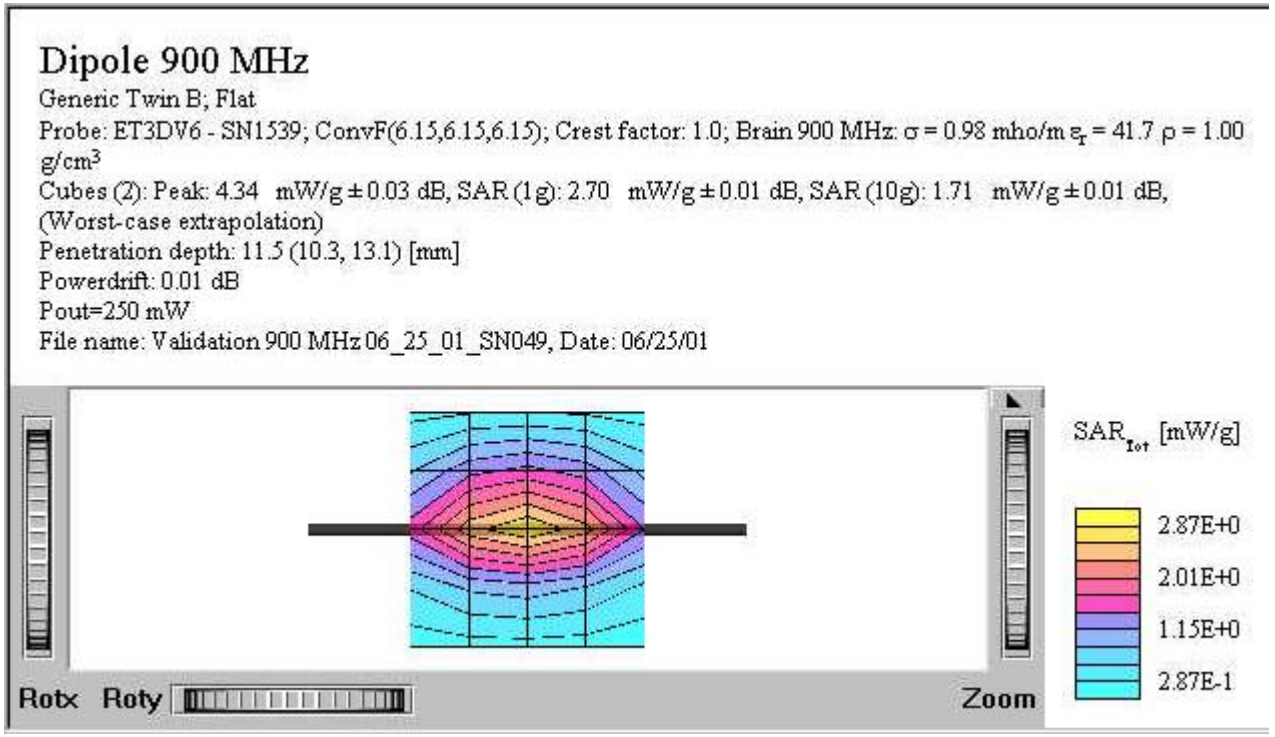
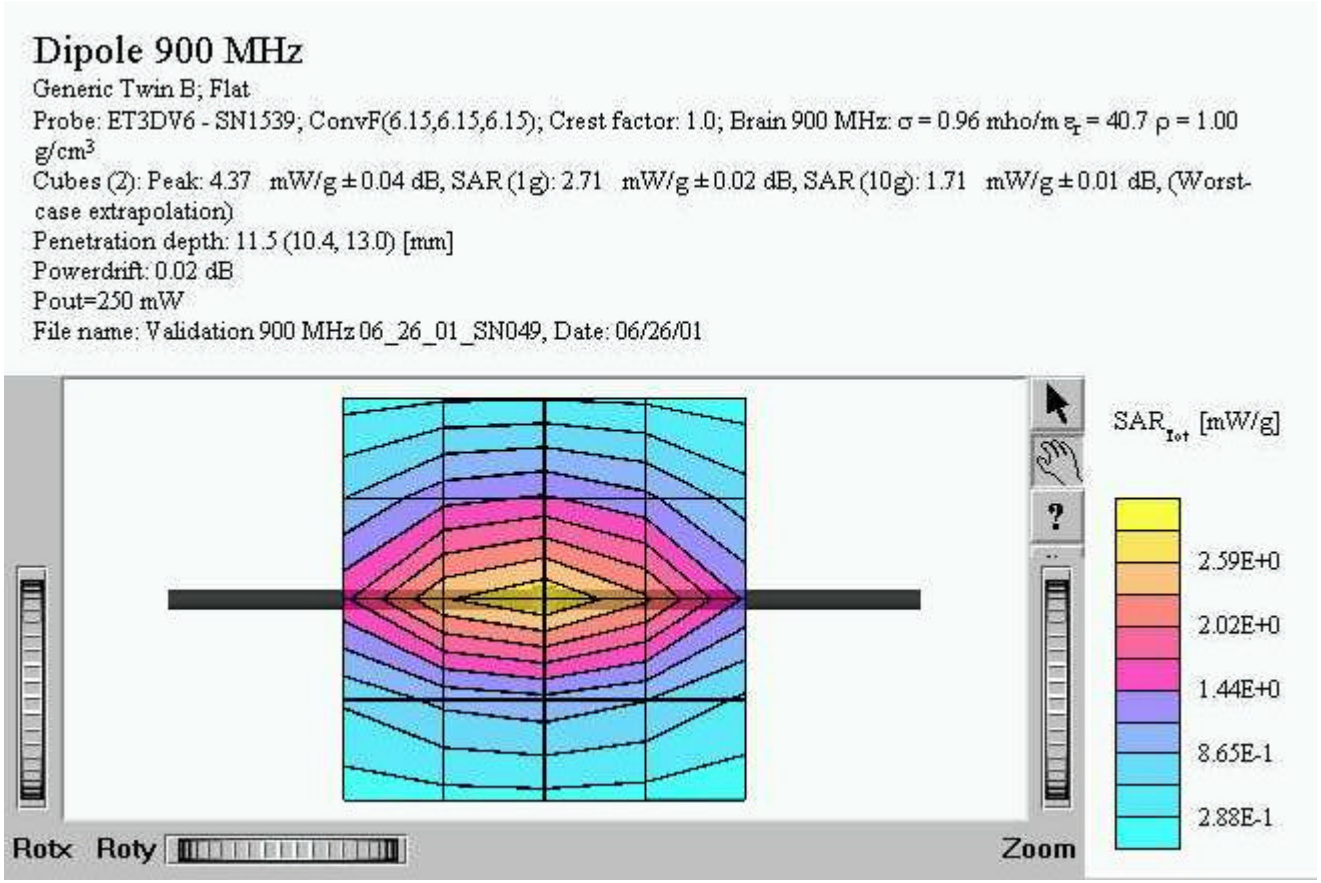
Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc

Appendix 1: SAR distribution comparison for system accuracy verification



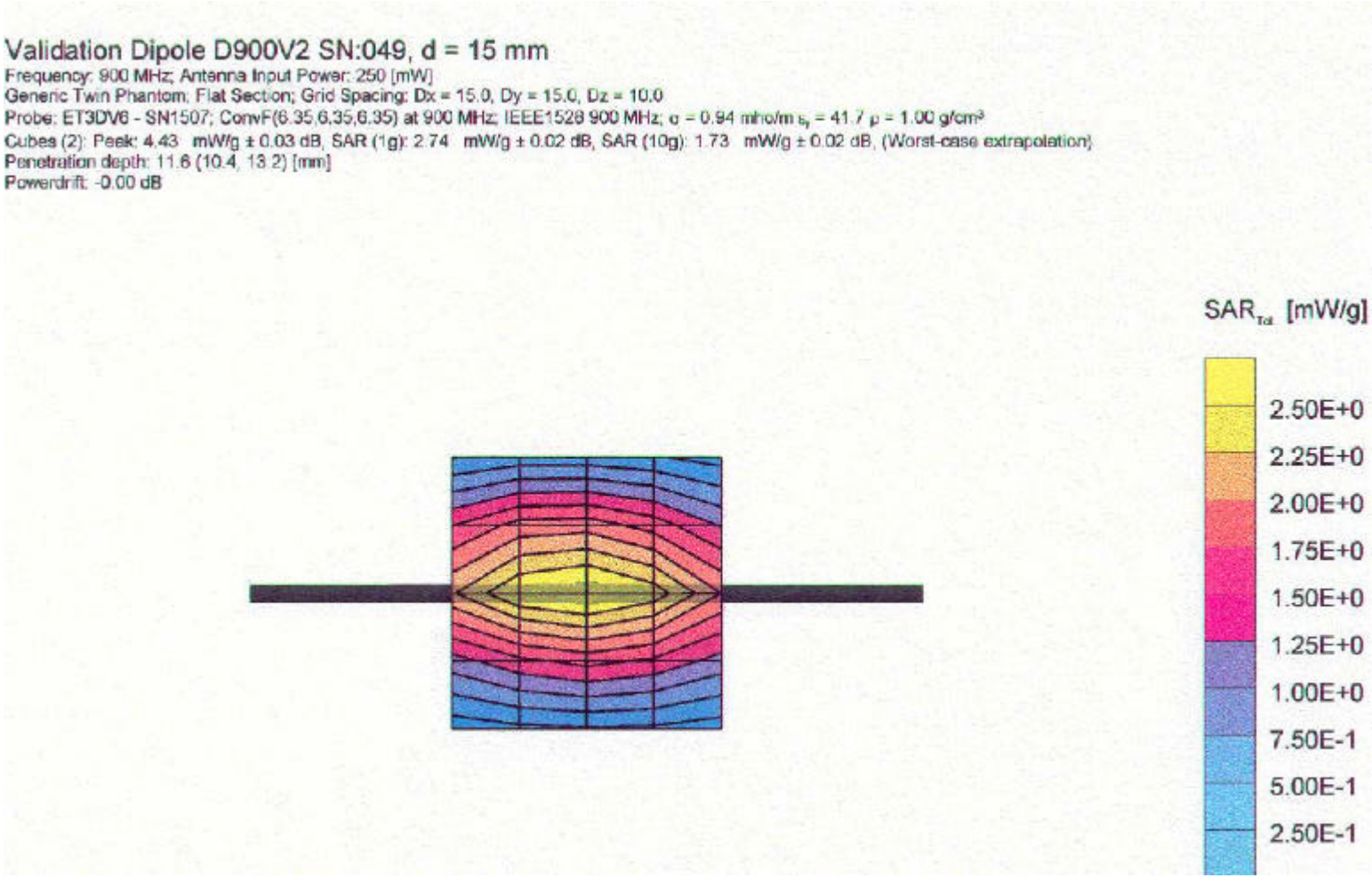
900 MHz SAR distribution of validation dipole antenna from system accuracy verification test on June 25, 2001. Using head tissue.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc



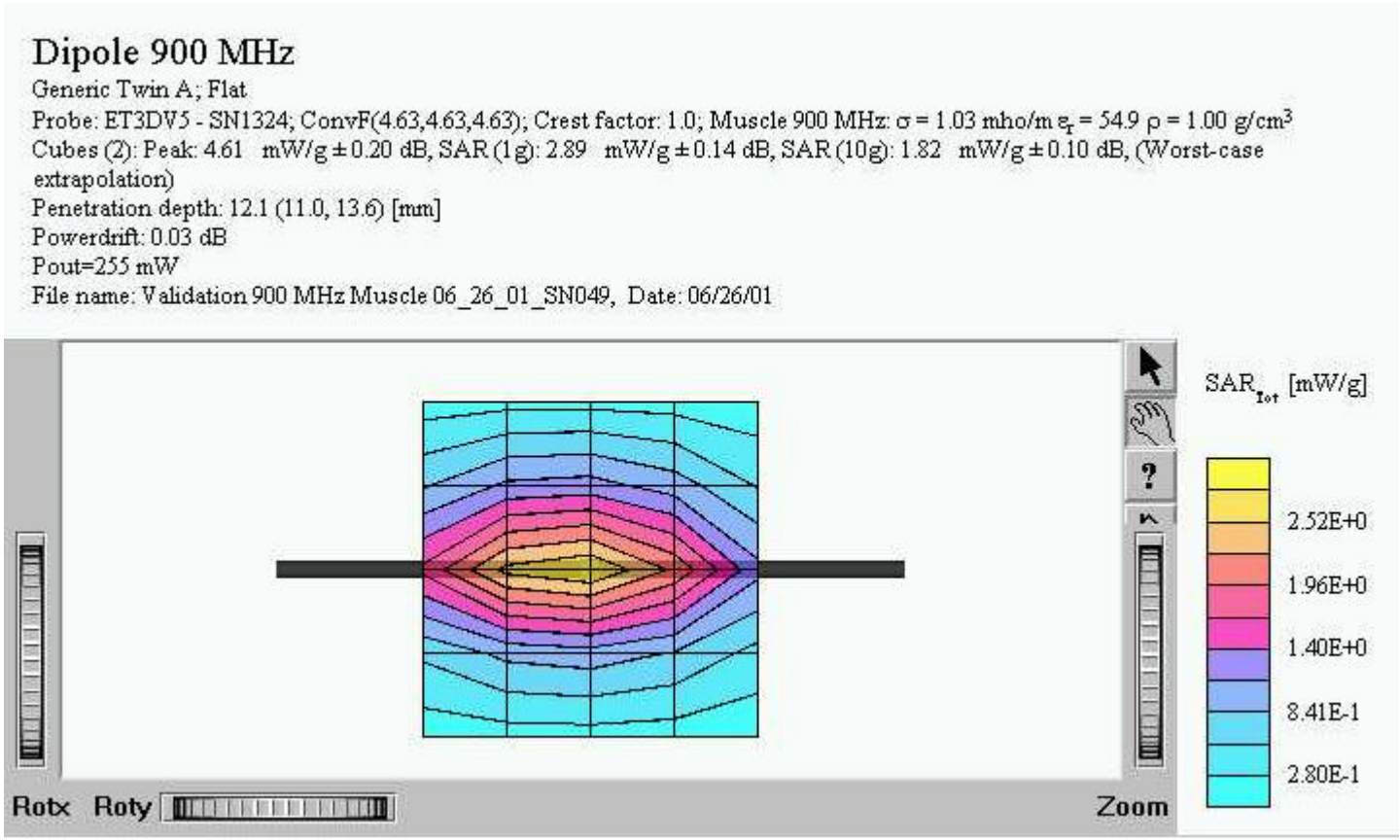
900 MHz SAR distribution of validation dipole antenna from system accuracy verification test on June 26, 2001. Using head tissue.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc



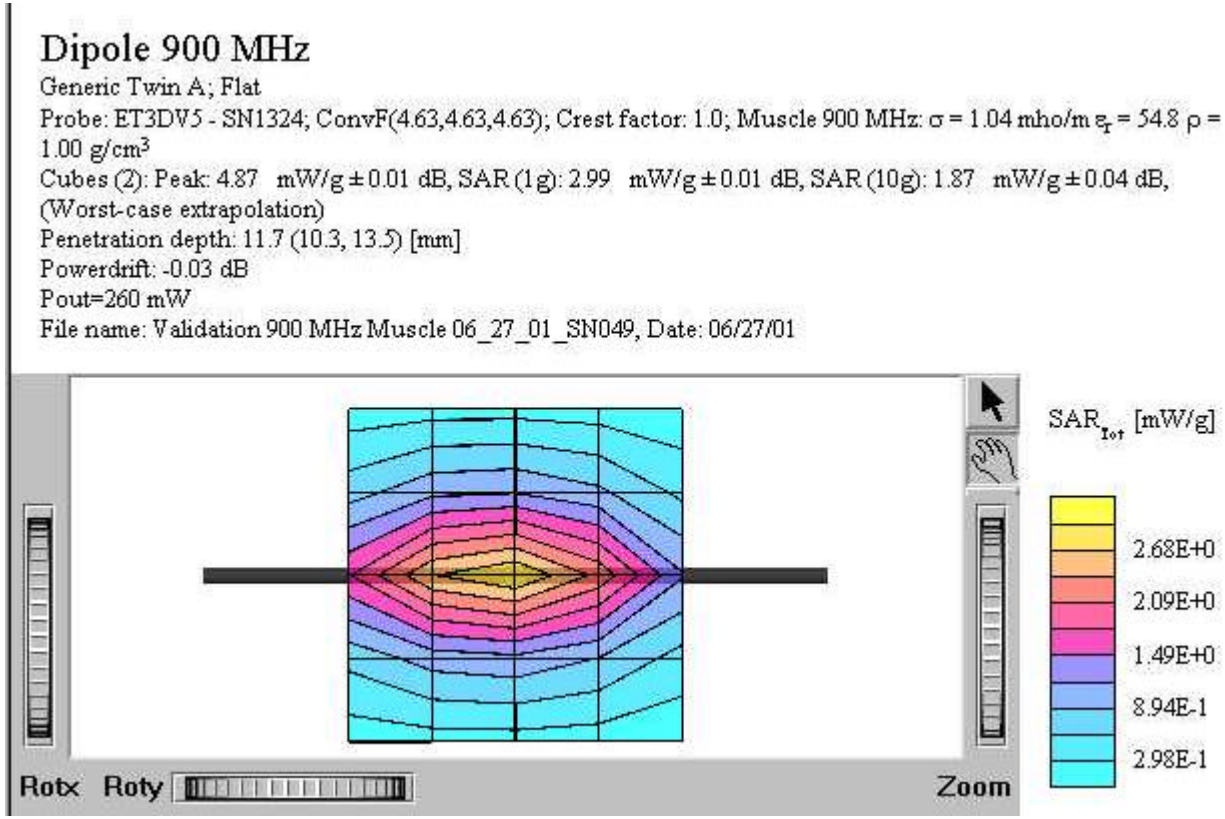
900 MHz SAR distribution of validation dipole antenna from reference measurement. Using head tissue.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc



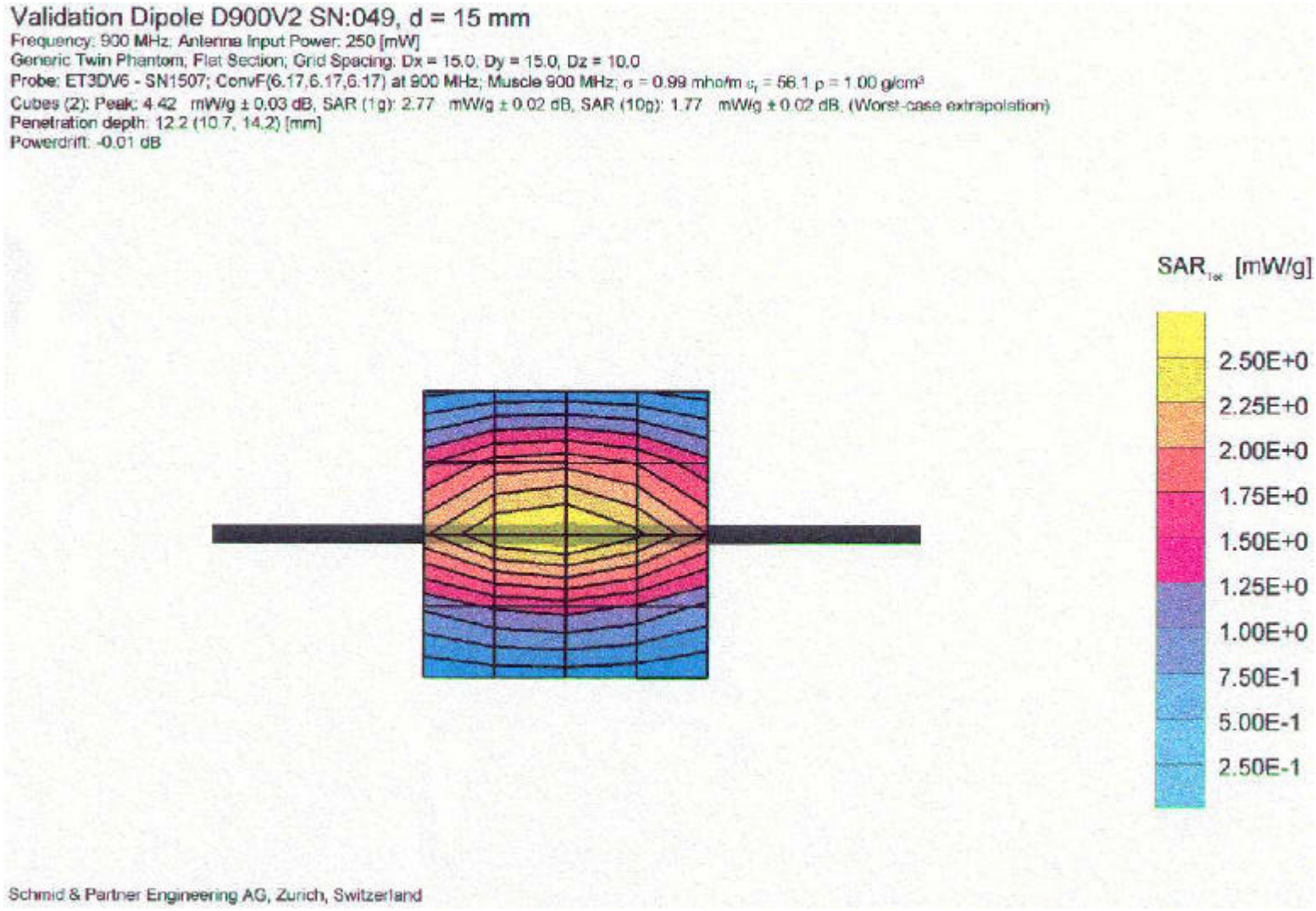
900 MHz SAR distribution of validation dipole antenna from system accuracy verification test on June 26, 2001. Using muscle tissue.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc



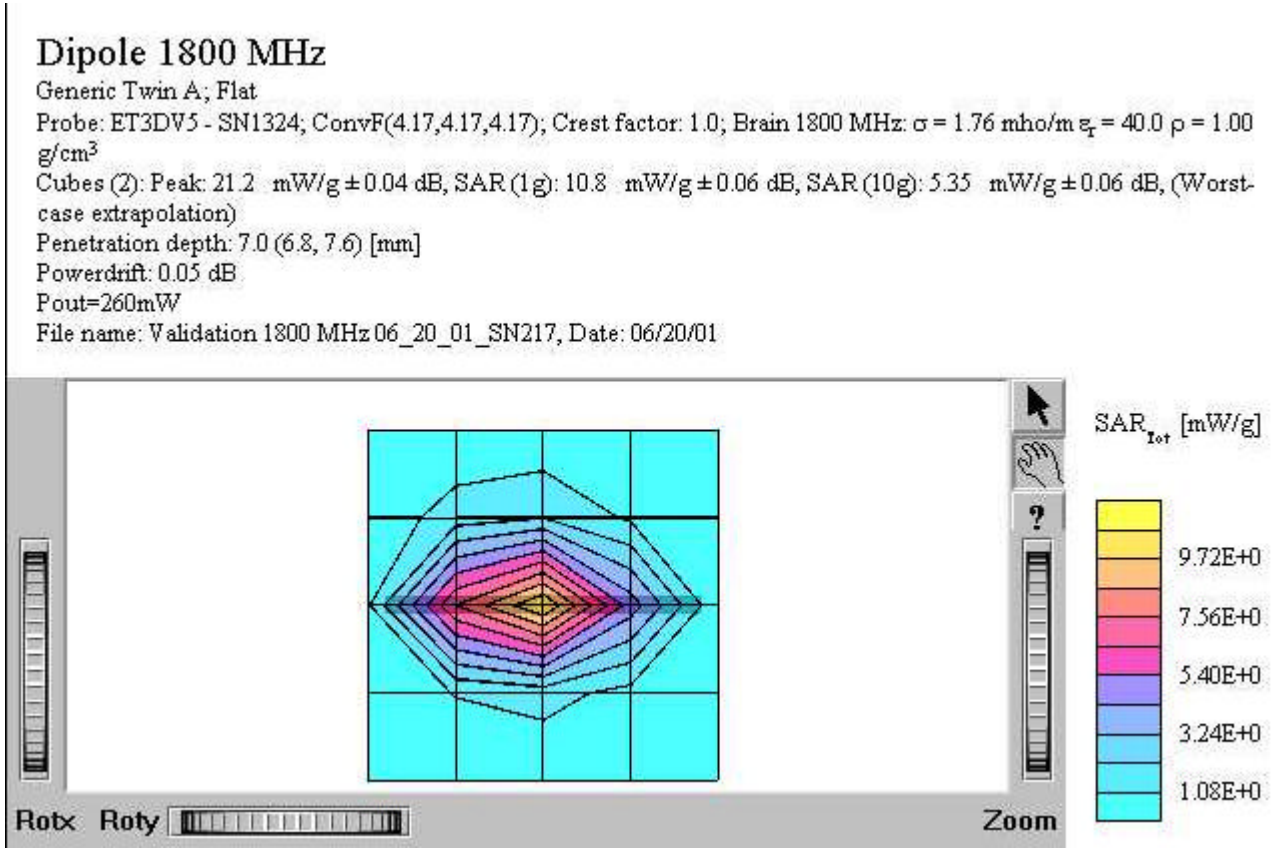
900 MHz SAR distribution of validation dipole antenna from system accuracy verification test on June 27, 2001. Using muscle tissue.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc



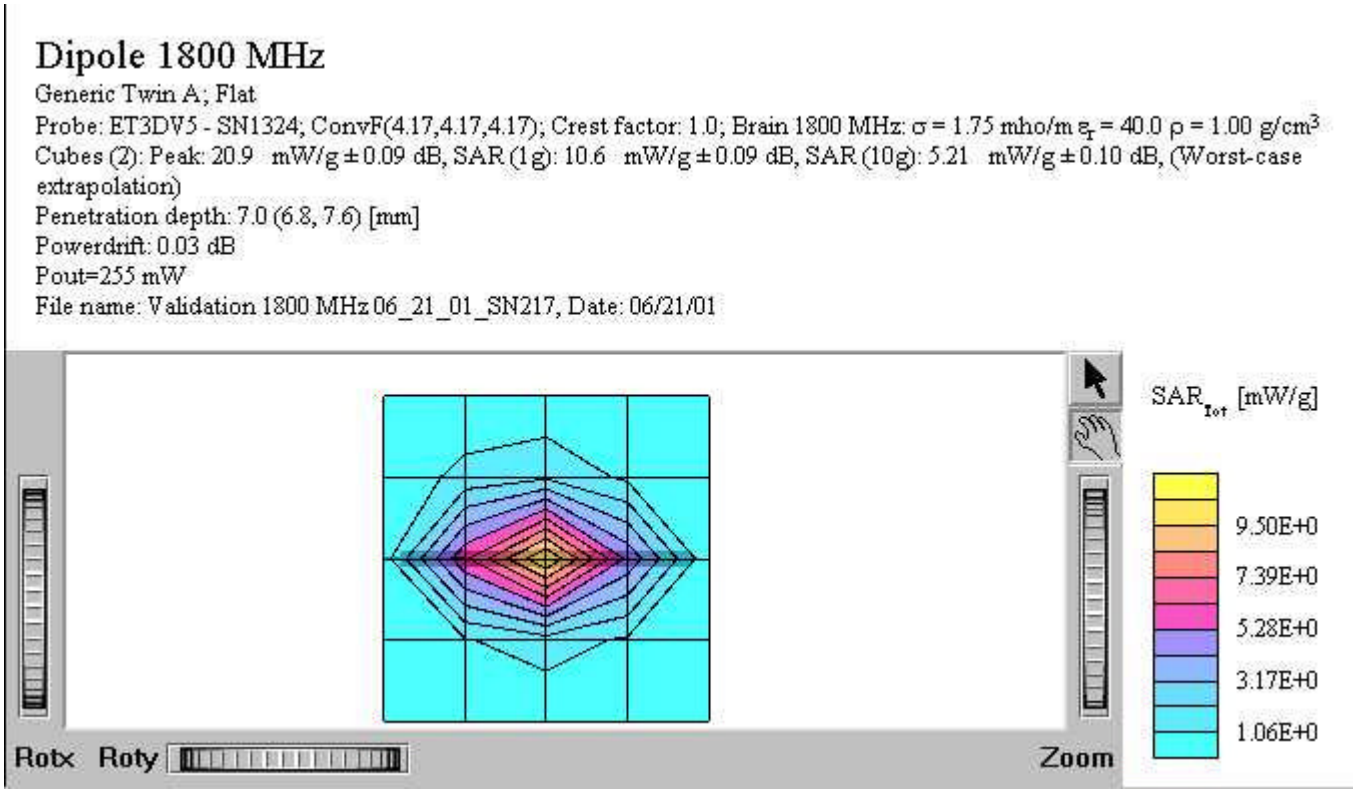
900 MHz SAR distribution of validation dipole antenna from reference measurement. Using muscle tissue.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc



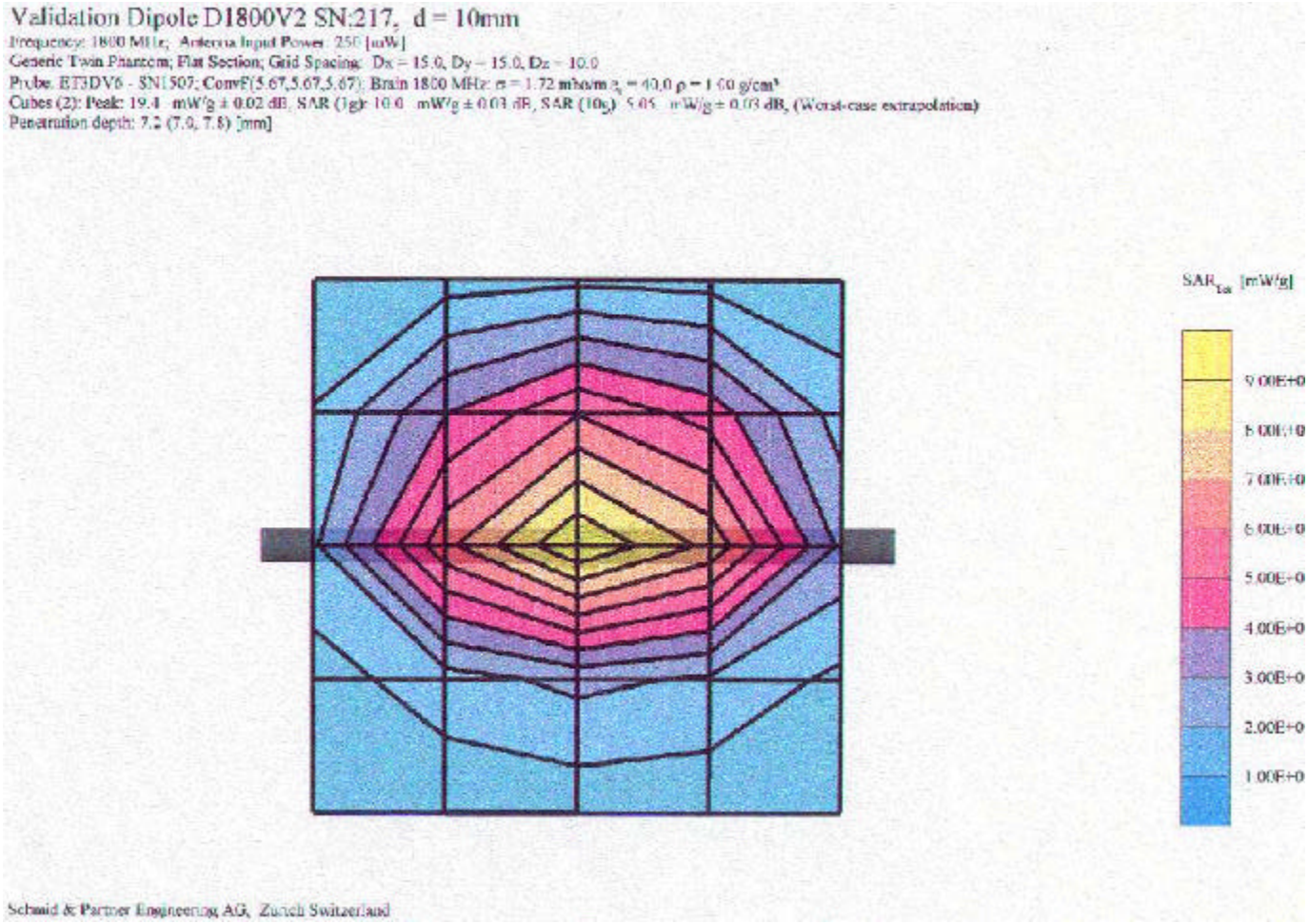
1800 MHz SAR distribution of validation dipole antenna from system accuracy verification test on June 20. 2001. Using head/muscle tissue.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc



1800 MHz SAR distribution of validation dipole antenna from system accuracy verification test on June 21, 2001. Using head/muscle tissue.

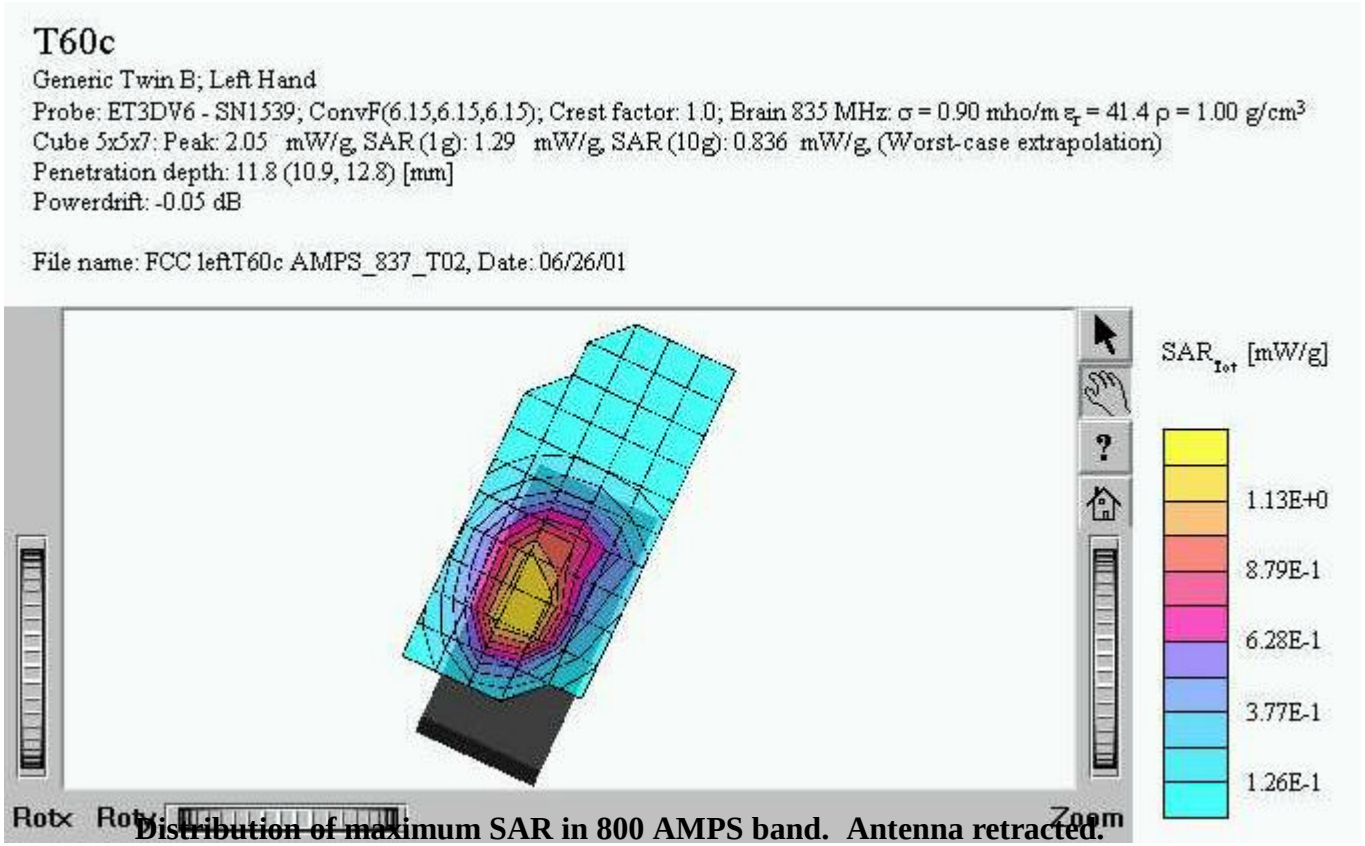
Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc



1800 MHz SAR distribution of validation dipole antenna from reference measurement. Using head/muscle tissue.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc

Appendix 2: SAR distribution plots



Distribution of maximum SAR in 800 AMPS band. Antenna retracted. Measured against the head.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc

T60c

Generic Twin A; Right Hand

Probe: ET3DV5 - SN1324; ConvF(4.17,4.17,4.17); Crest factor: 1.0; Brain 1800 MHz: σ = 1.75 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3

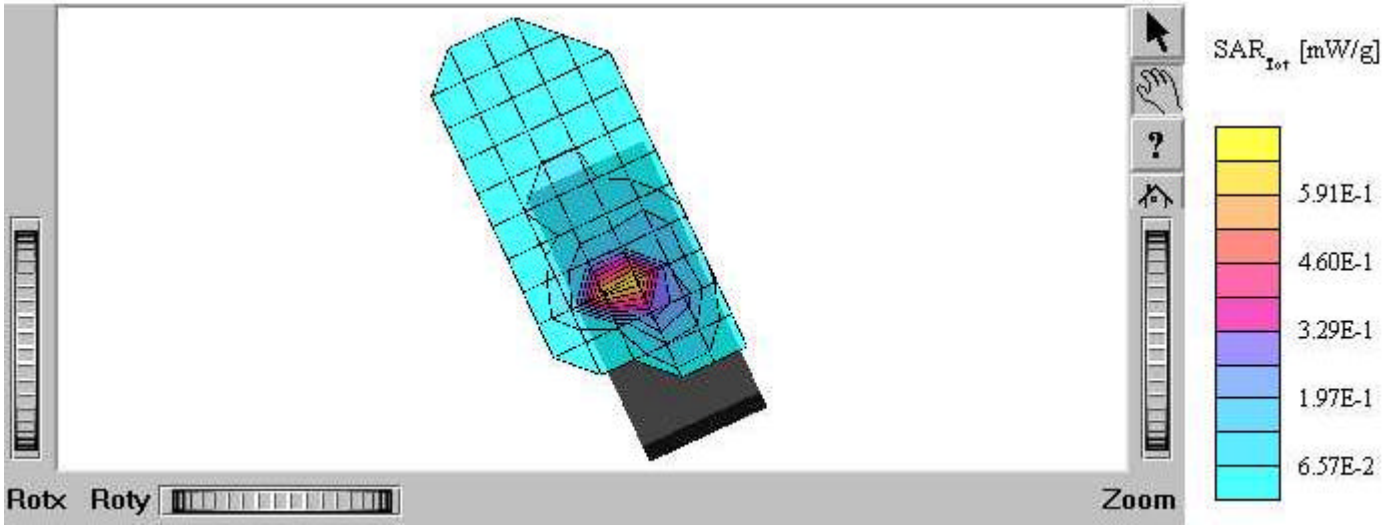
Cube 5x5x7: Peak: 1.88 mW/g, SAR (1g): 0.882 mW/g, SAR (10g): 0.367 mW/g, (Worst-case extrapolation)

Penetration depth: 6.5 (6.4, 6.7) [mm]

Powerdrift: 0.04 dB

UA202092T8 antenna in

File name: FCC right_CDMAPCS_1851_touch_T02, Date: 06/21/01



Distribution of maximum SAR in 1900 CDMA band. Antenna retracted. Measured against the head.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc

T60c

Generic Twin A; Flat

Probe: ET3DV5 - SN1324; ConvF(4.63,4.63,4.63); Crest factor: 1.0; Muscle 835 MHz: σ = 0.97 mho/m ε_r = 55.4 ρ = 1.00 g/cm^3

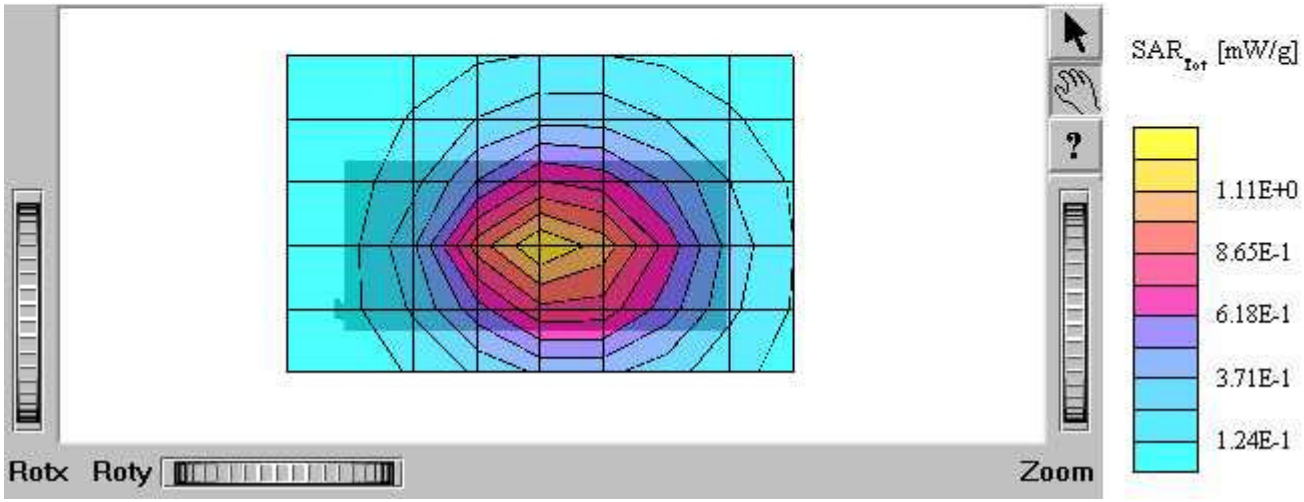
Cube 5x5x7: Peak: 1.77 mW/g, SAR (1g): 1.20 mW/g, SAR (10g): 0.830 mW/g, (Worst-case extrapolation)

Penetration depth: 15.2 (13.6, 17.0) [mm]

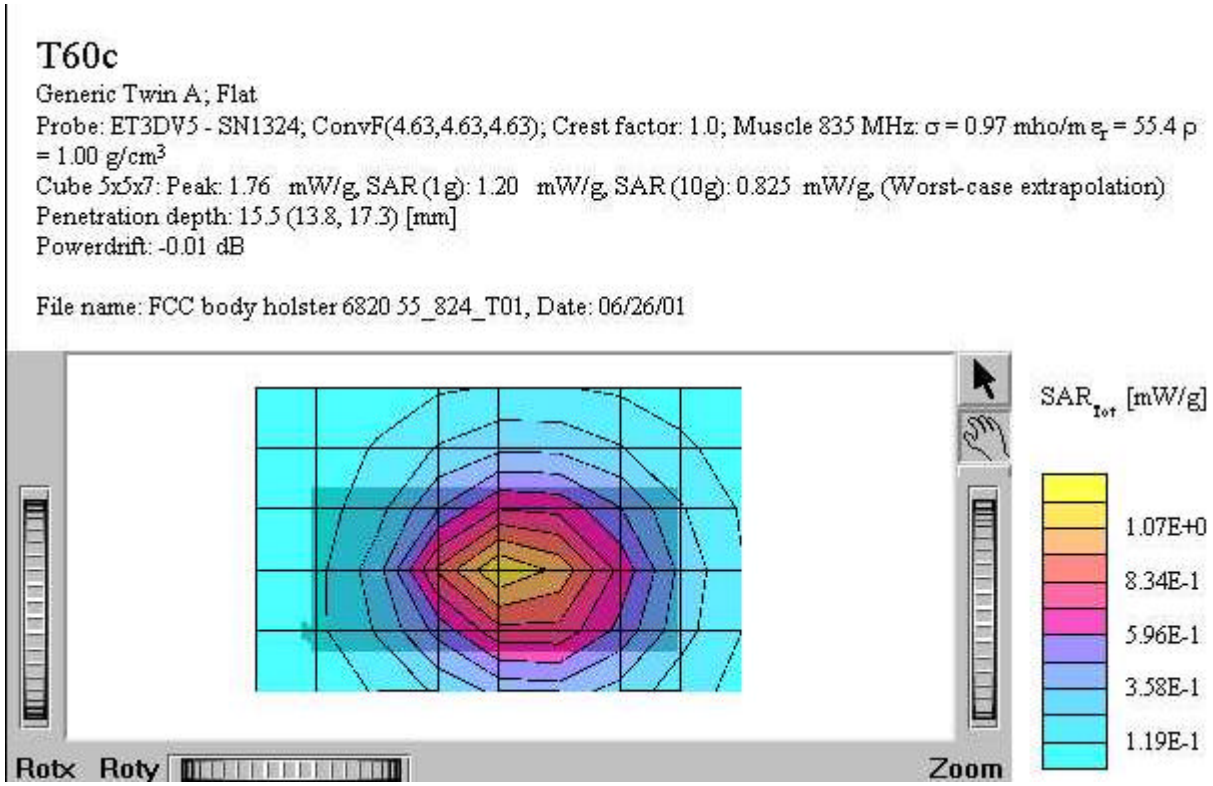
Powerdrift: -0.04 dB

Holster: case with clip

File name: FCC body holster sxk-109-451812_824_T01, Date: 06/26/01

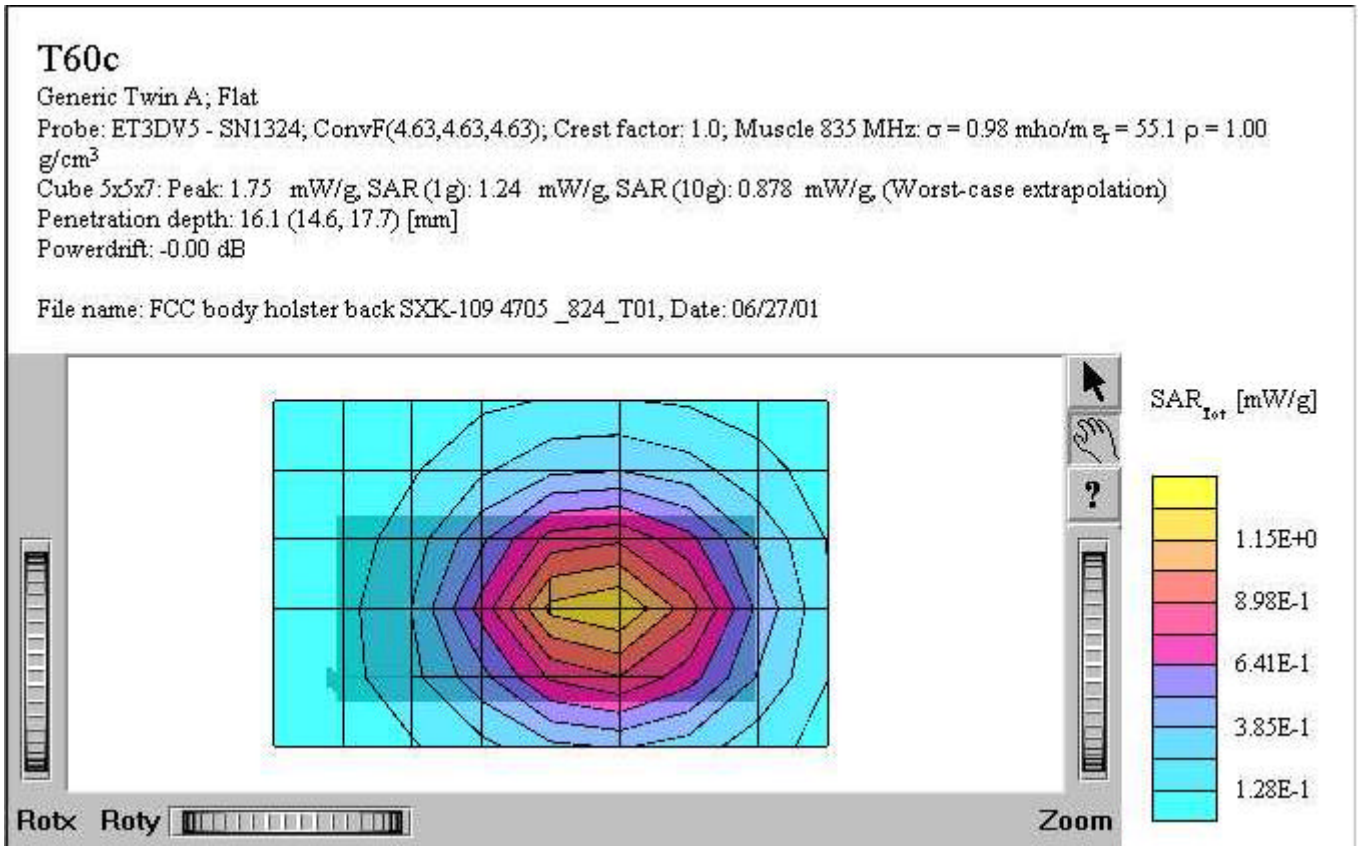


Distribution of maximum SAR in 800 AMPS band. Measured against the body using product # SXK –109-4518/2 as a carry case.



Distribution of maximum SAR in 800 AMPS band. Measured against the body using product # SXK –107-6820/55 as a carry case.

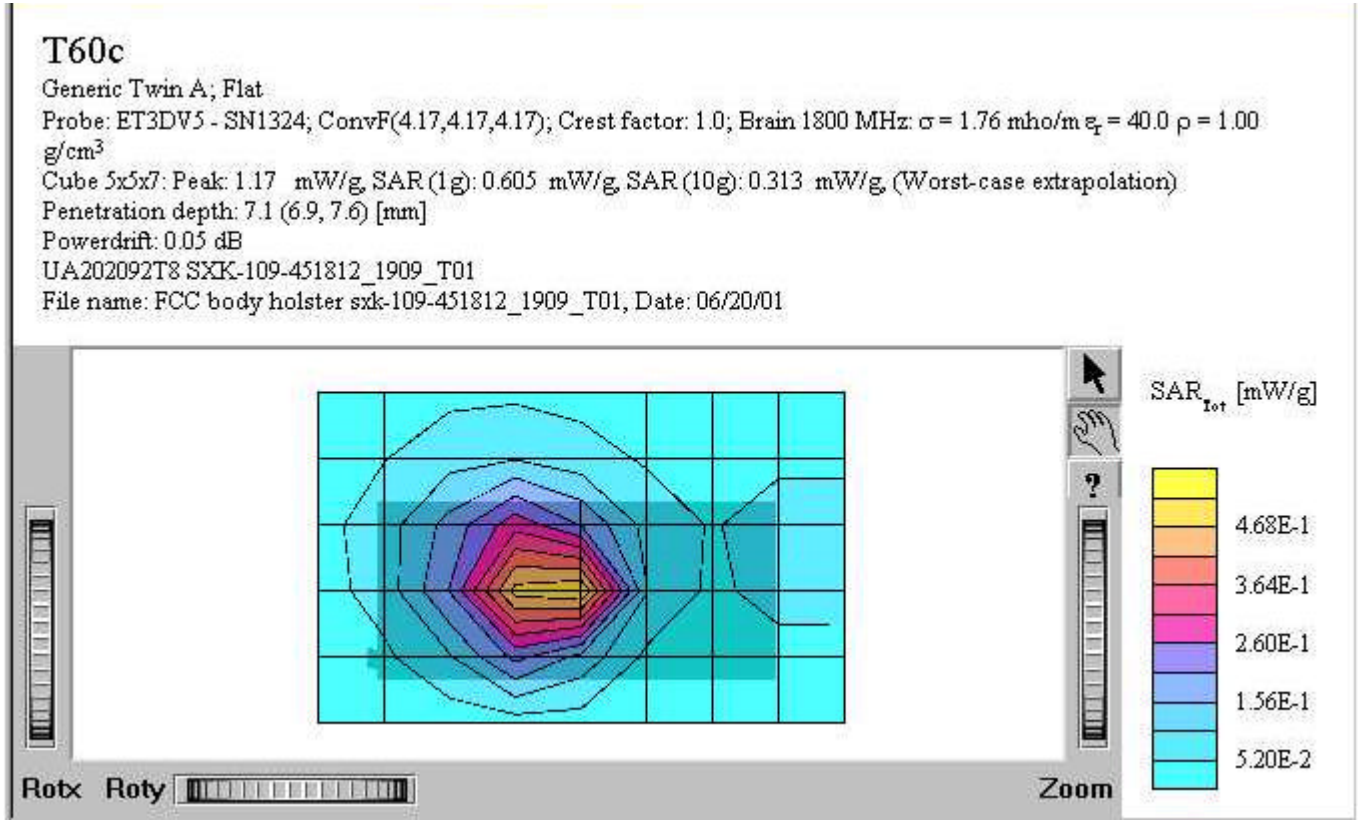
Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc



Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc

Distribution of maximum SAR in 800 AMPS band. Measured against the body using product # SXK –109-4705 as a carry case.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc



Distribution of maximum SAR in 1900 CDMA band. Measured against the body using product # SXK –109-4518/2 as a carry case.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Dulce Altabella		EUS/CV/R-01:0701/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-6-28	A	E:\FCC Submittals\FCC_413 carmen nicole\XHIBIT11\Source\tr413 sar rpt.doc

T60c

Generic Twin A; Flat

Probe: ET3DV5 - SN1324; ConvF(4.17,4.17,4.17); Crest factor: 1.0; Brain 1800 MHz: σ = 1.76 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3

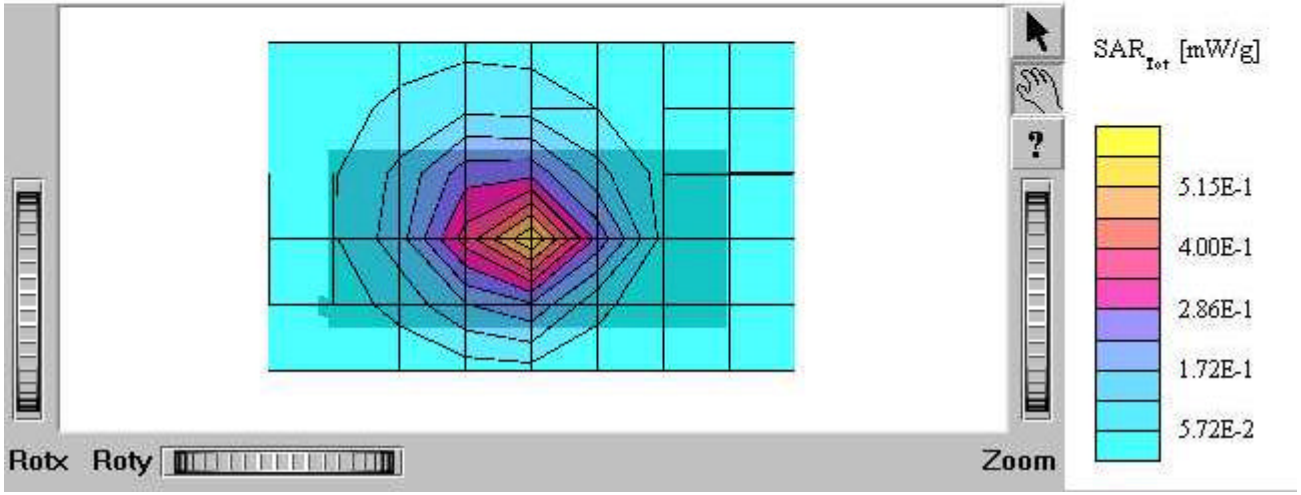
Cube 5x5x7: Peak: 1.05 mW/g, SAR (1g): 0.546 mW/g, SAR (10g): 0.290 mW/g, (Worst-case extrapolation)

Penetration depth: 7.0 (6.8, 7.6) [mm]

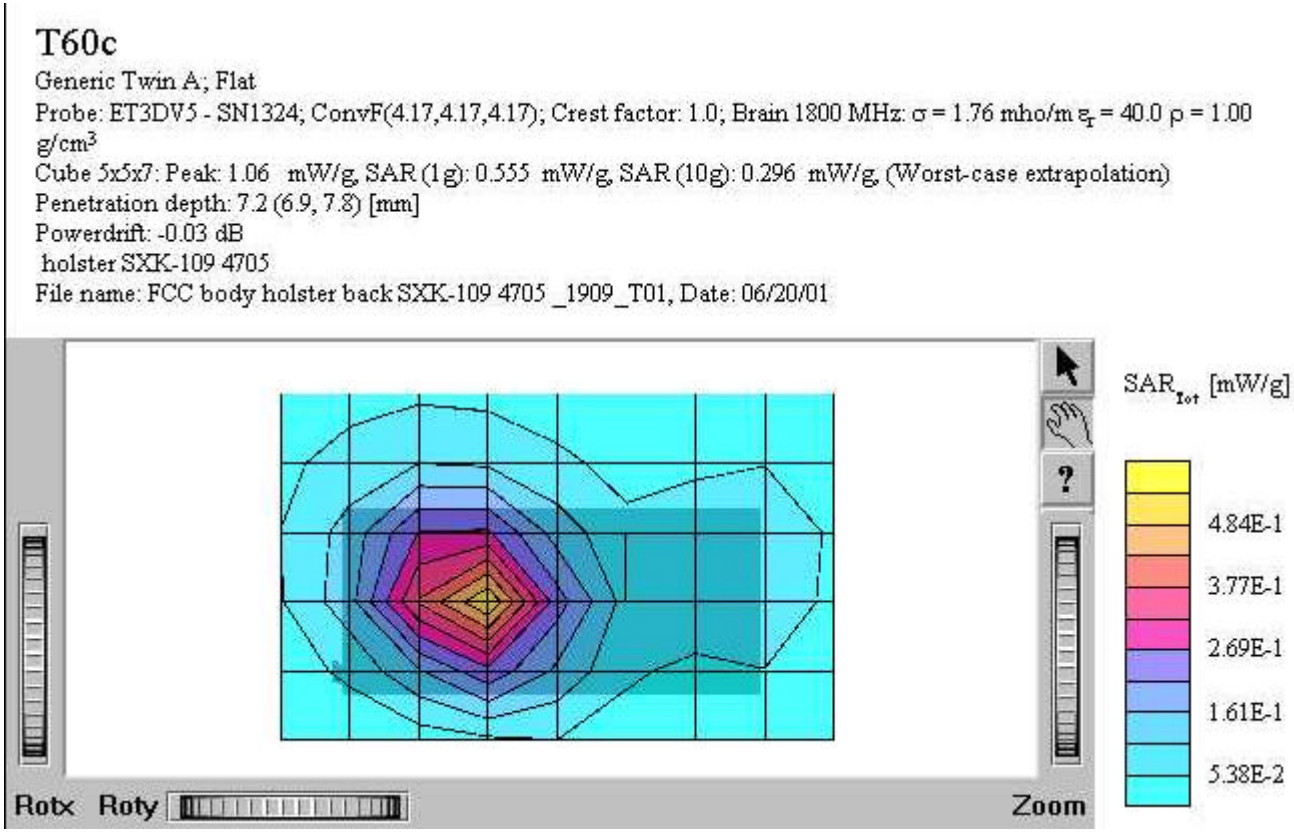
Powerdrift: -0.10 dB

UA202092T8 SXK-107 6820/55

File name: FCC body holster sxk-107 6820_55_1909_T01, Date: 06/20/01



Distribution of maximum SAR in 1900 CDMA band. Measured against the body using product # SXK –107-6820/55 as a carry case.



Distribution of maximum SAR in 1900 CDMA band. Measured against the body using product # SXK –109-4705 as a carry case. Back of phone is against holster.