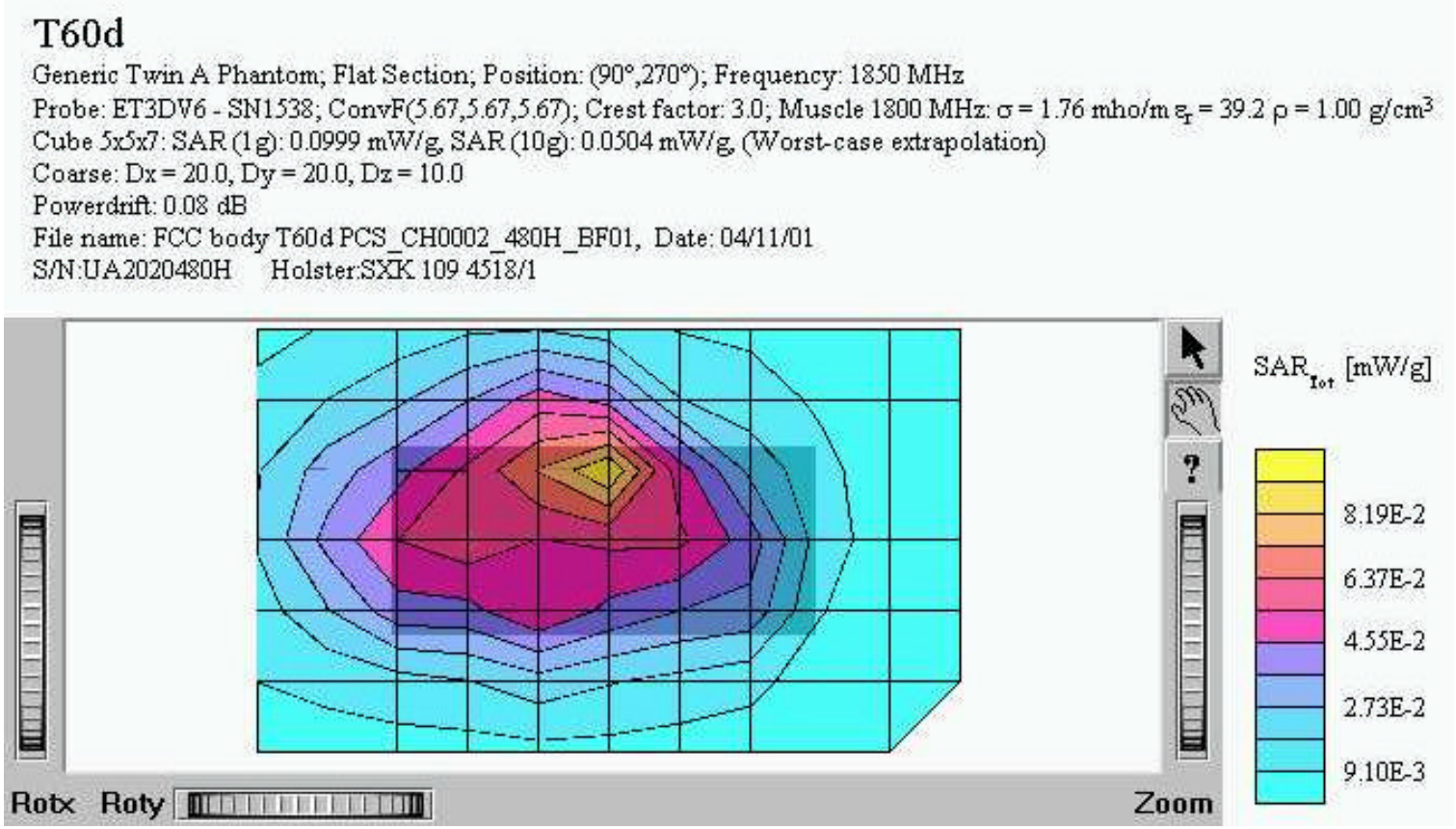
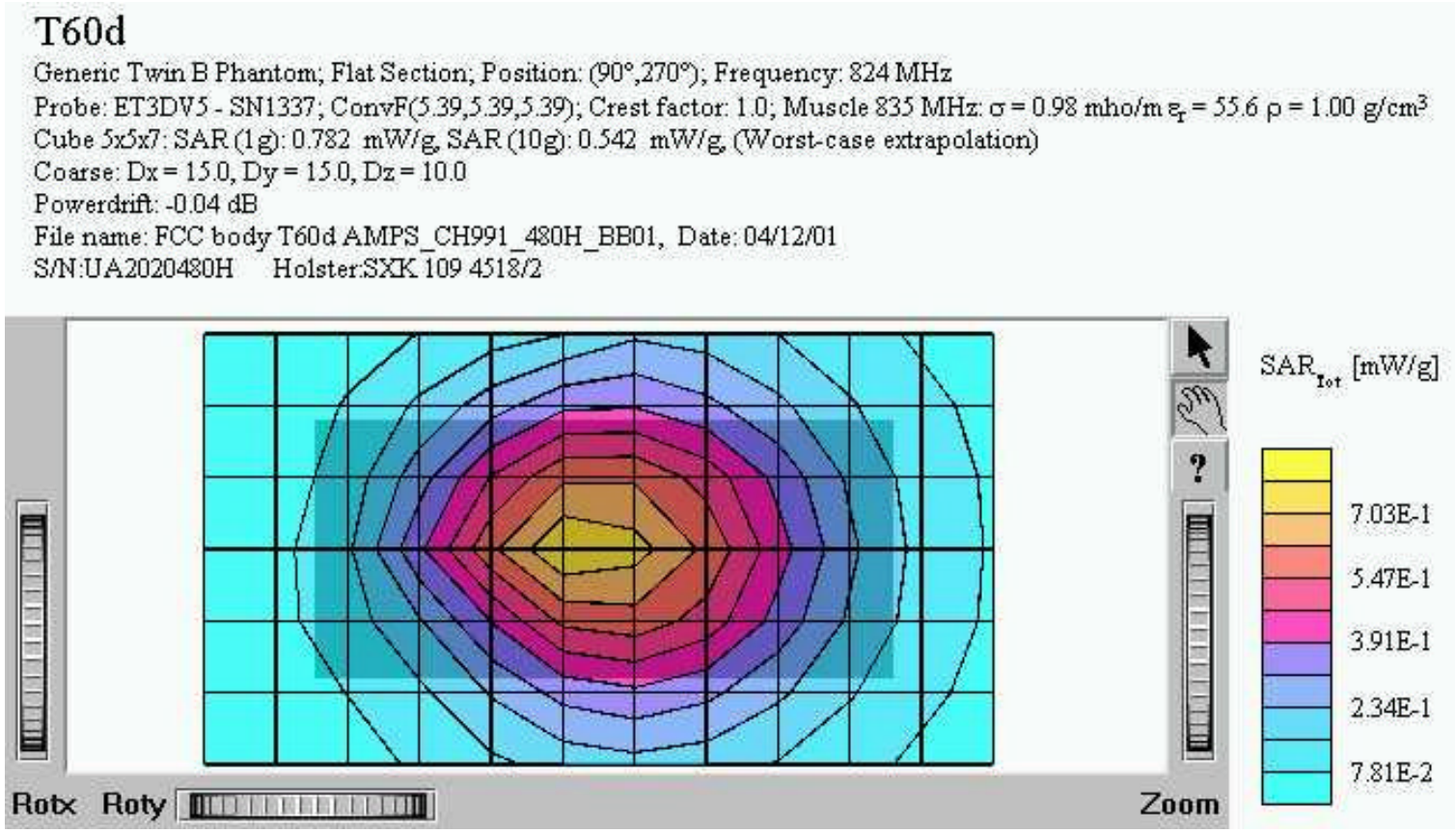
Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc



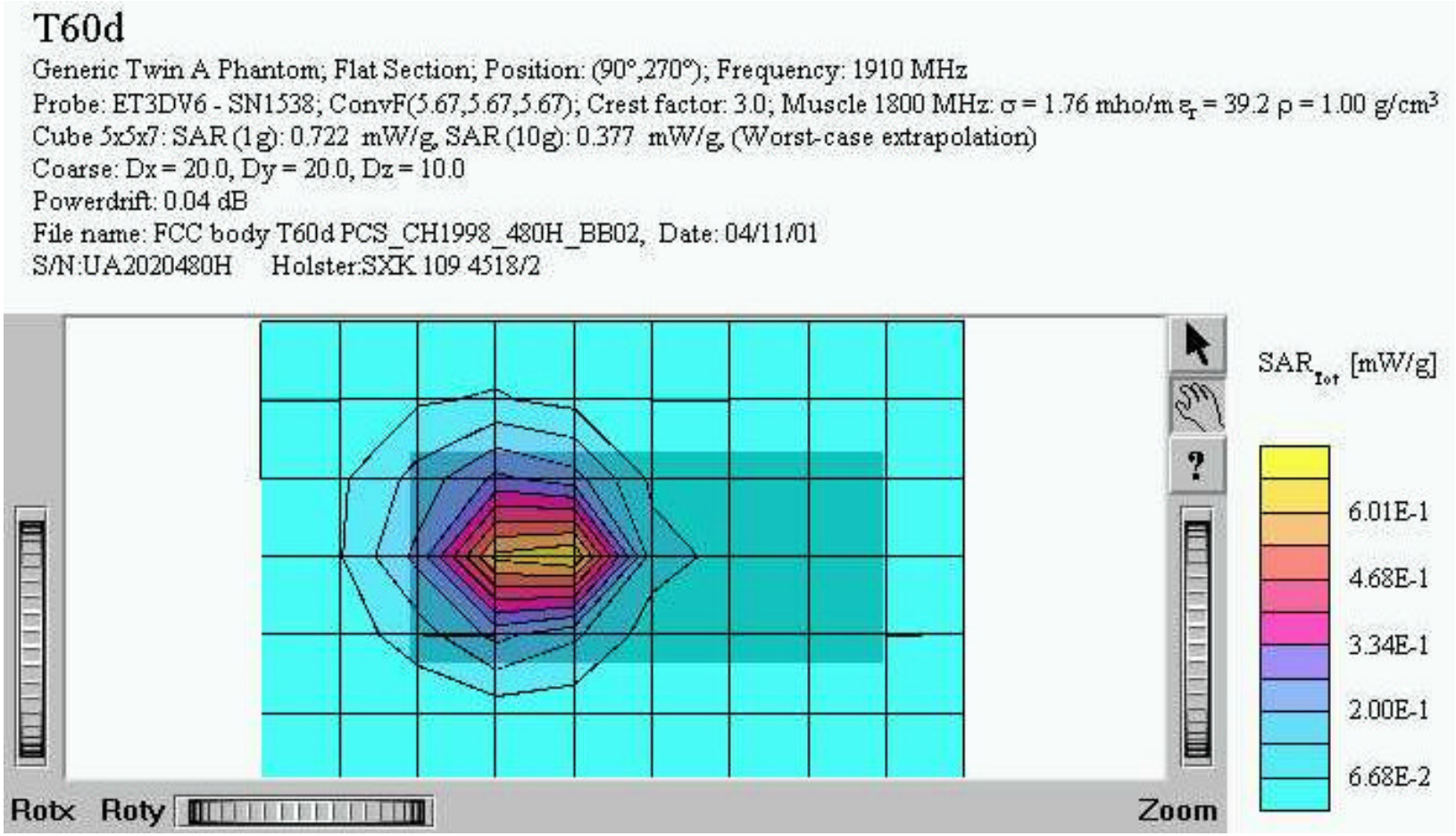
Distribution of maximum SAR in 1900 PCS band. Measured against the body using product # SXK –109-4518/1 as a carry case.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc



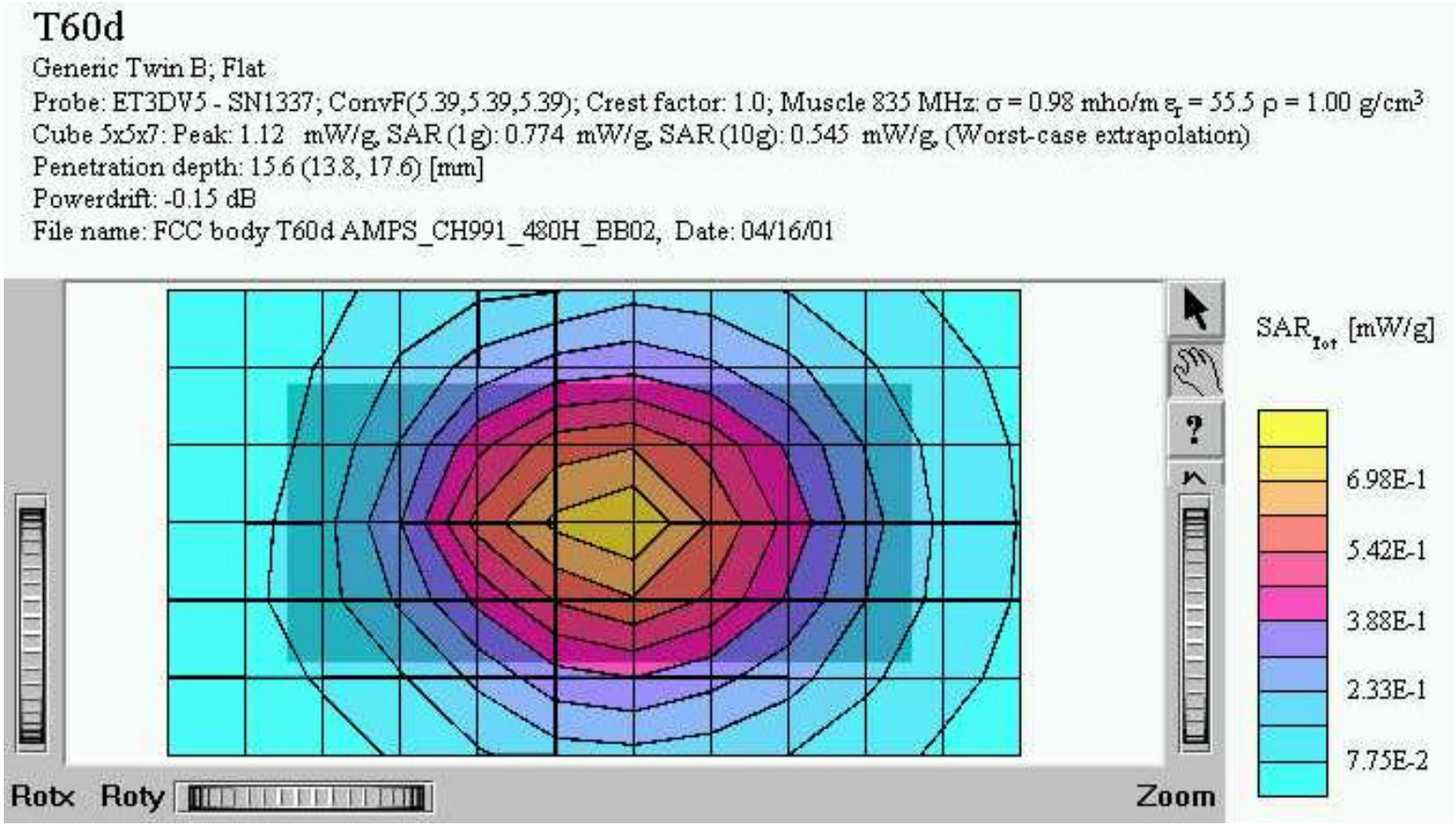
Distribution of maximum SAR in 800 AMPS band. Measured against the body using product # SXK –109-4518/2 as a carry case.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc



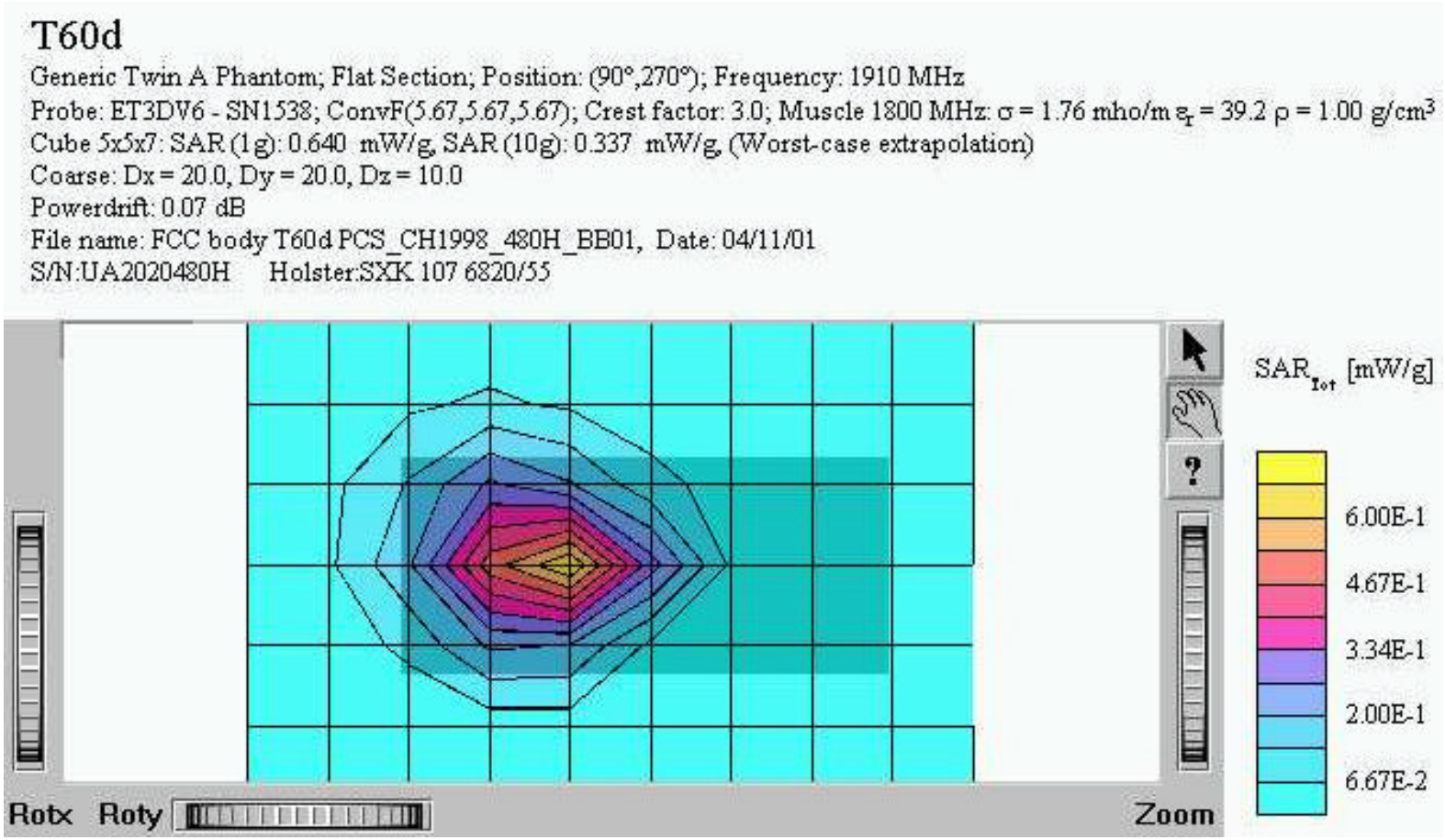
Distribution of maximum SAR in 1900 PCS band. Measured against the body using product # SXK –109-4518/2 as a carry case.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc



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 Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc



Distribution of maximum SAR in 1900 PCS 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 Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc

Appendix 3: Photographs of Device Under Test

Front view of device

Back view of device

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc

Side view of device.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc

Front, back, and side views of product number SXK –109-4518/1

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc

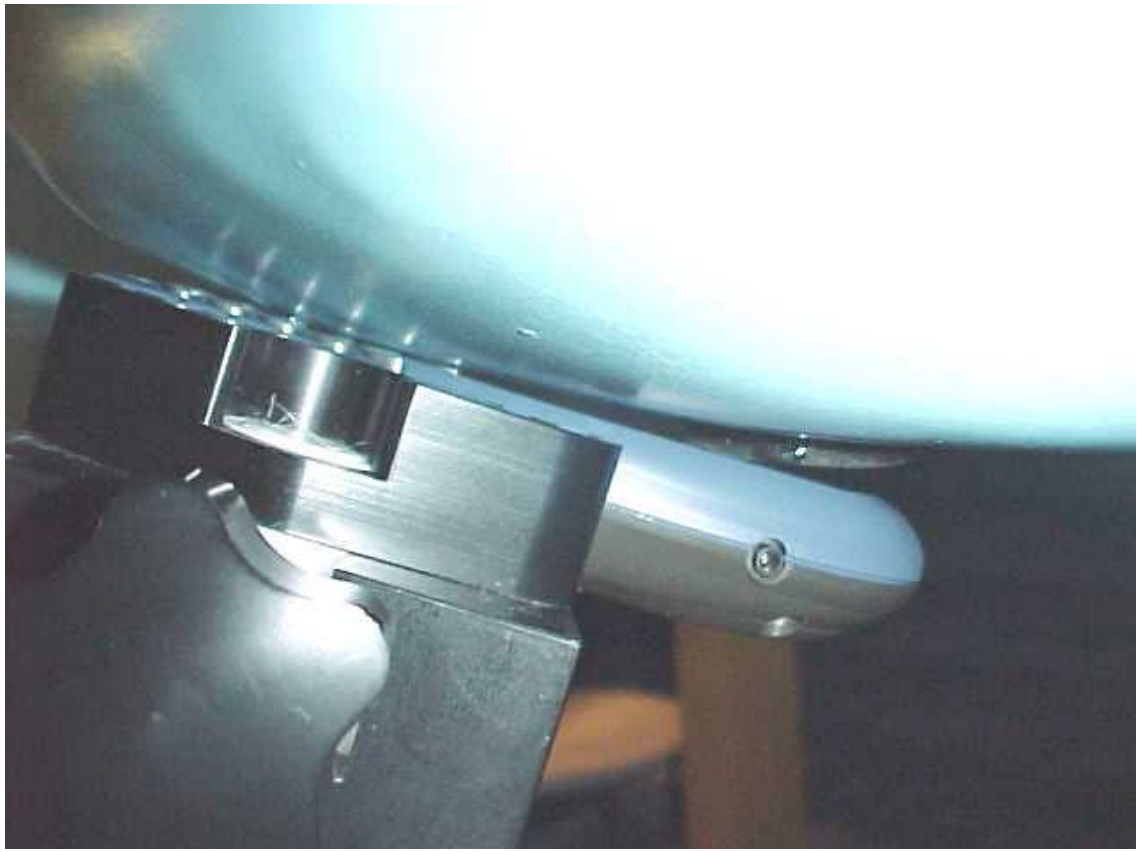
Front, back, and side views of product number SXK –109-4518/2

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc

Front, side, and back views of part number SXK 107 6820/55.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc

Appendix 4: Position of Device on Phantom

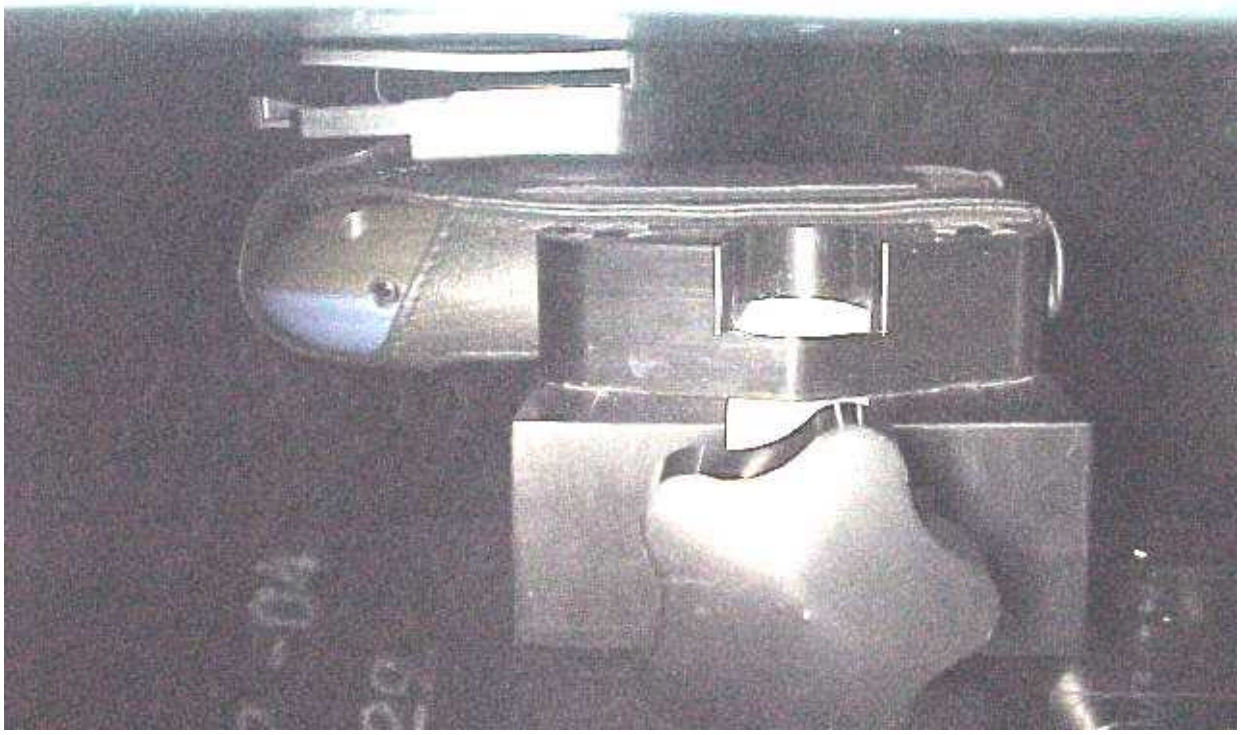


Position of device against head phantom.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc

Position of device against flat phantom using carry accessory SXK –109-4518/1

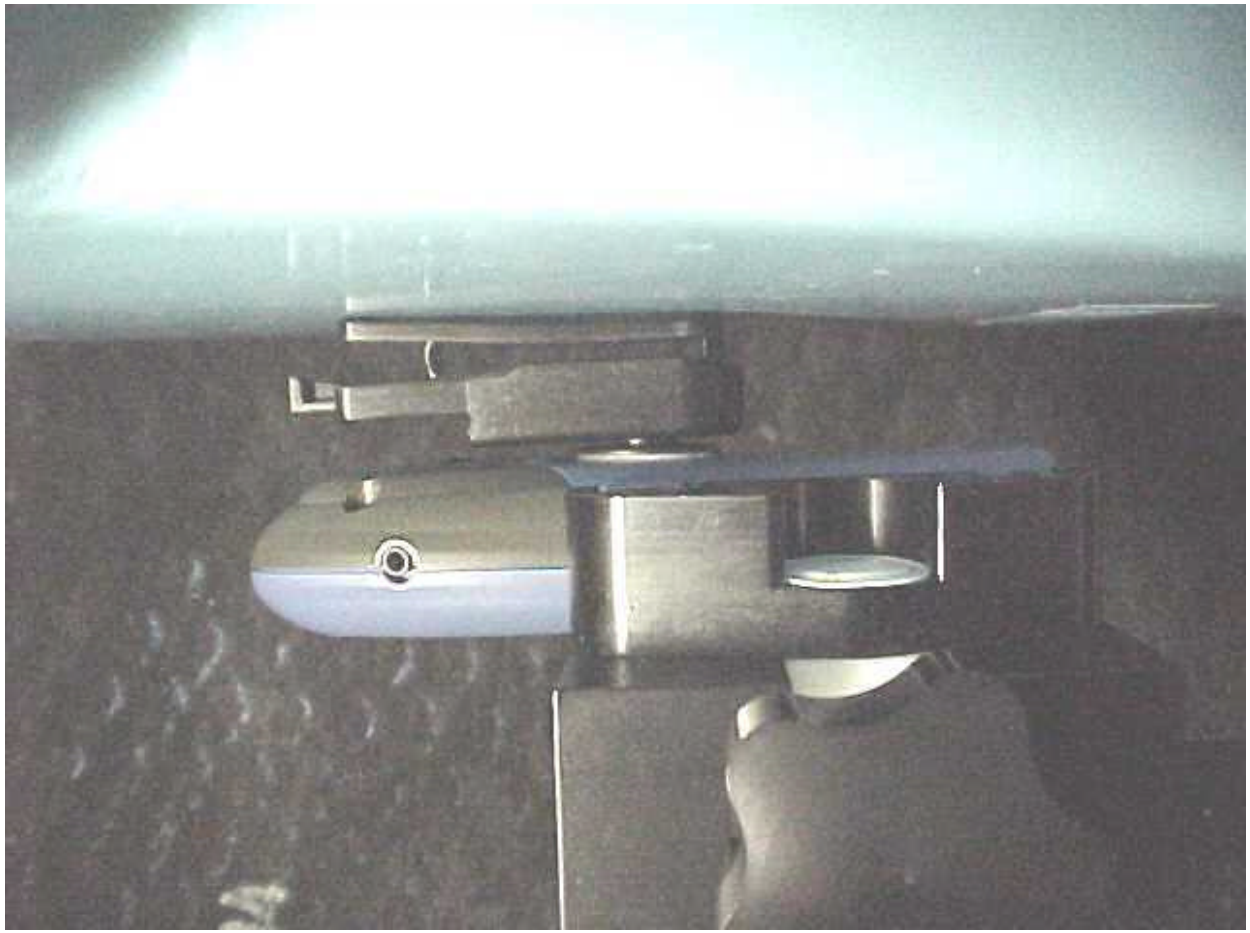
Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc



Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc

Position of device against flat phantom using carry accessory SXK –109-4518/2

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc



Position of device against flat phantom using carry accessory SXK 107 6820/55.

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc

Appendix 5: Probe calibration parameters

ET3DV6 SN:1538

DASY3 - Parameters of Probe: ET3DV6 SN:1538

Sensitivity in Free Space

NormX	**1.31** $\mu V/(V/m)^2$	DCP X	**100** mV
NormY	**1.11** $\mu V/(V/m)^2$	DCP Y	**100** mV
NormZ	**1.38** $\mu V/(V/m)^2$	DCP Z	**100** mV

Sensitivity in Tissue Simulating Liquid

Brain **450 MHz** ε_r = **48 ± 5%** σ = **0.50 ± 10% mho/m**

ConvF X	**6.62** extrapolated	Boundary effect:	
ConvF Y	**6.62** ± 7% (k=2)	Alpha	**0.05**
ConvF Z	**6.62** interpolated	Depth	**2.89**

Brain **900 MHz** ε_r = **42.5 ± 5%** σ = **0.86 ± 10% mho/m**

ConvF X	**6.30** ± 7% (k=2)	Boundary effect:	
ConvF Y	**6.30** interpolated	Alpha	**0.42**
ConvF Z	**6.30** ± 7% (k=2)	Depth	**2.42**

Brain **1500 MHz** ε_r = **41 ± 5%** σ = **1.32 ± 10% mho/m**

ConvF X	**5.88** interpolated	Boundary effect:	
ConvF Y	**5.88** ± 7% (k=2)	Alpha	**0.92**
ConvF Z	**5.88**	Depth	**1.79**

Brain **1800 MHz** ε_r = **41 ± 5%** σ = **1.69 ± 10% mho/m**

ConvF X	**5.67** ± 7% (k=2)	Boundary effect:	
ConvF Y	**5.67**	Alpha	**1.16**
ConvF Z	**5.67**	Depth	**1.47**

Sensor Offset

Probe Tip to Sensor Center	**2.7**	mm
Optical Surface Detection	**1.6 ± 0.2**	mm

ET3DV5 SN:1337

DASY3 - Parameters of Probe: ET3DV5 SN:1337

Sensitivity in Free Space

NormX	**2.29** $\mu V/(V/m)^2$
NormY	**2.05** $\mu V/(V/m)^2$
NormZ	**2.10** $\mu V/(V/m)^2$

Diode Compression

DCP X	**99** mV
DCP Y	**99** mV
DCP Z	**99** mV

Sensitivity in Tissue Simulating Liquid

Brain **450 MHz** ε_r **= 48 ± 5%** σ **= 0.50 ± 10% mho/m**

ConvF X	**5.87** extrapolated	Boundary effect:	
ConvF Y	**5.87** extrapolated	Alpha	**0.75**
ConvF Z	**5.87** extrapolated	Depth	**1.45**

Brain **900 MHz** ε_r **= 42.5 ± 5%** σ **= 0.86 ± 10% mho/m**

ConvF X	**5.56** ± 7% (k=2)	Boundary effect:	
ConvF Y	**5.56** ± 7% (k=2)	Alpha	**0.74**
ConvF Z	**5.56** ± 7% (k=2)	Depth	**1.63**

Brain **1500 MHz** ε_r **= 41 ± 5%** σ **= 1.32 ± 10% mho/m**

ConvF X	**5.14** interpolated	Boundary effect:	
ConvF Y	**5.14** interpolated	Alpha	**0.71**
ConvF Z	**5.14** interpolated	Depth	**1.86**

Brain **1800 MHz** ε_r **= 41 ± 5%** σ **= 1.69 ± 10% mho/m**

ConvF X	**4.93** ± 7% (k=2)	Boundary effect:	
ConvF Y	**4.93** ± 7% (k=2)	Alpha	**0.70**
ConvF Z	**4.93** ± 7% (k=2)	Depth	**1.98**

Sensor Offset

Probe Tip to Sensor Center	**2.7**	mm
Optical Surface Detection	**2.0 ± 0.2**	mm

Prepared (also subject responsible if other)		No.		
EUS/CV/RF/P Will Stewart		EUS/CV/R-01:0484/REP		
Approved	Checked			
EUS/CV/RF/P Mark Douglas	MGD	2001-4-25	C	U:\FCC Submittals\FCC_417 Ditto Nicole\XHIBIT11\New SAR.doc

ET3DV5 SN:1337

DASY3 - Parameters of Probe: ET3DV5 SN:1337

Sensitivity in Free Space

Diode Compression

NormX	**2.29** $\mu V/(V/m)^2$	DCP X	**99** mV
NormY	**2.05** $\mu V/(V/m)^2$	DCP Y	**99** mV
NormZ	**2.10** $\mu V/(V/m)^2$	DCP Z	**99** mV

Sensitivity in Tissue Simulating Liquid

900 MHz ε_r **= 41.3 ± 5%** σ **= 0.94 ± 10% mho/m**

ConvF X	**5.53** ± 7% (k=2)	Boundary effect:	
ConvF Y	**5.53** ± 7% (k=2)	Alpha	**0.25**
ConvF Z	**5.53** ± 7% (k=2)	Depth	**3.94**