



Nov 02, 1999

Federal Communications Commission
Equipment Approval Services
7435 Oakland Mills Road
Columbia, MD 21046
Attn: Frank Coperich / Kwok Chan

SUBJECT: Samsung Electronics Co., Ltd.
FCC ID: A3LSCH611
731 Confirmation Number: EA95001
Correspondence Reference No.: 10478
Request for Additional Info.:

Dear Frank / Kwok:

In response to your e-mail dated Nov. 04, 1999, Samsung Electronics Co., Ltd. hereby confirms that the earphone/mic jack port described in the users manual is designed for hands-free operation of the phone in a body-worn configuration. Based on the additional SAR measurements performed at ITS for body-worn configuration (see attached), Samsung Electronics Co., Ltd. confirms that we will implement the following warning statement in the users manual:

"For body-worn operation, the antenna should be kept at least 1 inch from the body when transmitting. An optional holster is available as an accessory for body-worn use."

If you have any further questions regarding this matter, please do not hesitate to contact me at (408) 544-5124.

Sincerely,

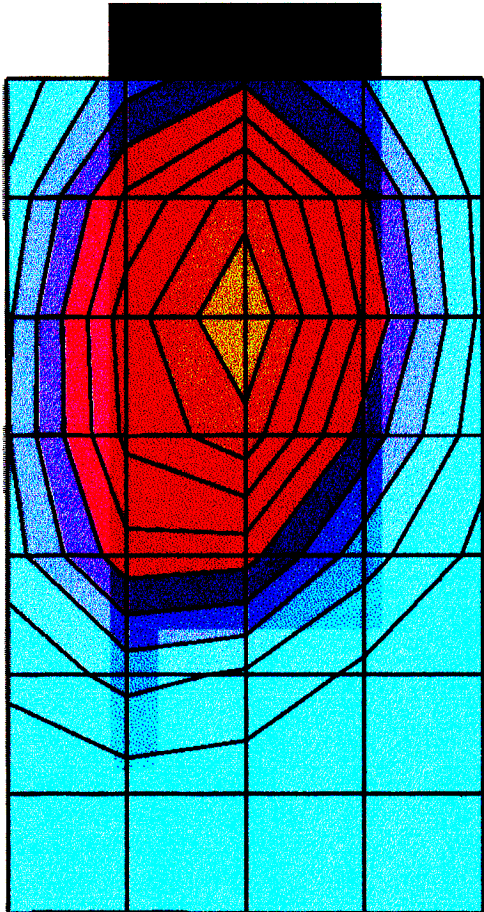
A handwritten signature in black ink, appearing to be "Ben Kim", written over a horizontal line.

Ben Kim
Engineering Manager
Samsung American QA Lab

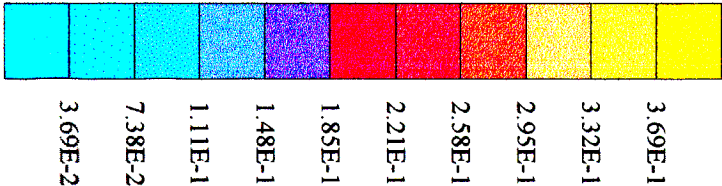
cc: C.K.Li
Manager, ITS

SCH611 F

Generic Twin Phantom, Flat Section, Position: (90°,90°), Frequency: 849 MHz
Probe: ET3DV5 - SNI333; ConvF(5.85,5.85,5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 56.5$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.363 mW/g, SAR (10g): 0.262 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdift: -0.01 dB
1 inch, ERP=24.5 dBm



SAR_{Tot} [mW/g]



SCH611_F

Generic Twin Phantom; Flat Section; Position: (90°, 90°); Frequency: 849 MHz

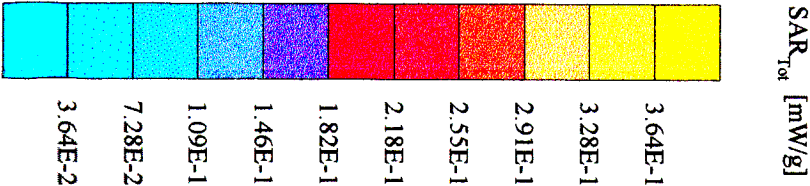
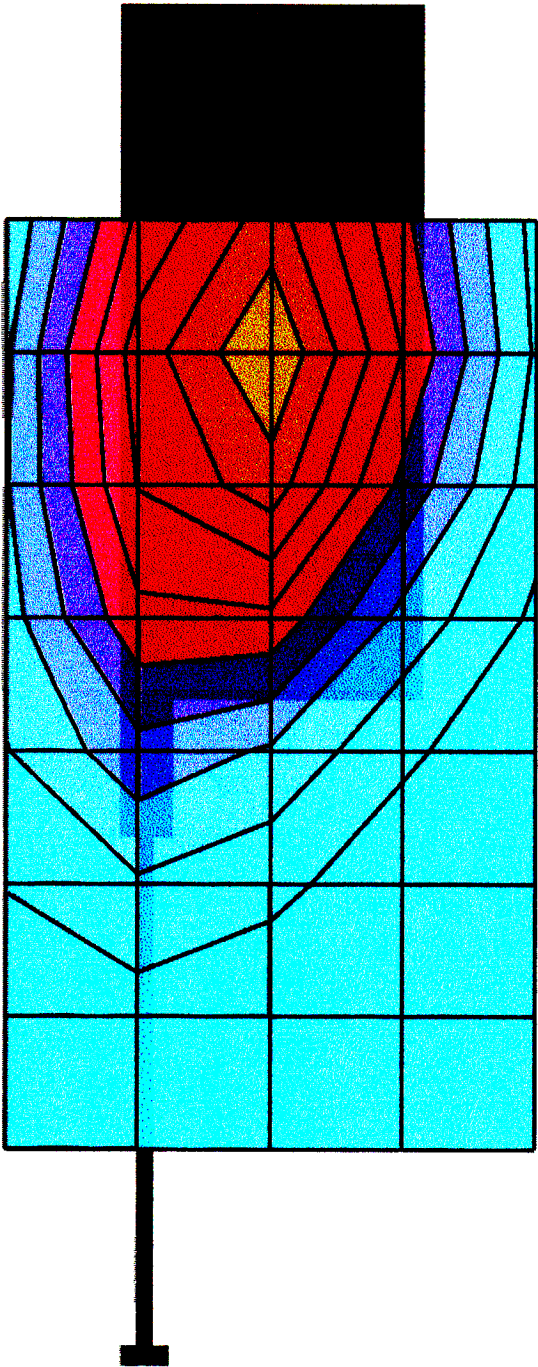
Probe: ET3DV5 - SN1333; ConvF(5.85, 5.85, 5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 56.5$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.357 mW/g, SAR (10g): 0.257 mW/g, (Worst-case extrapolation)

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

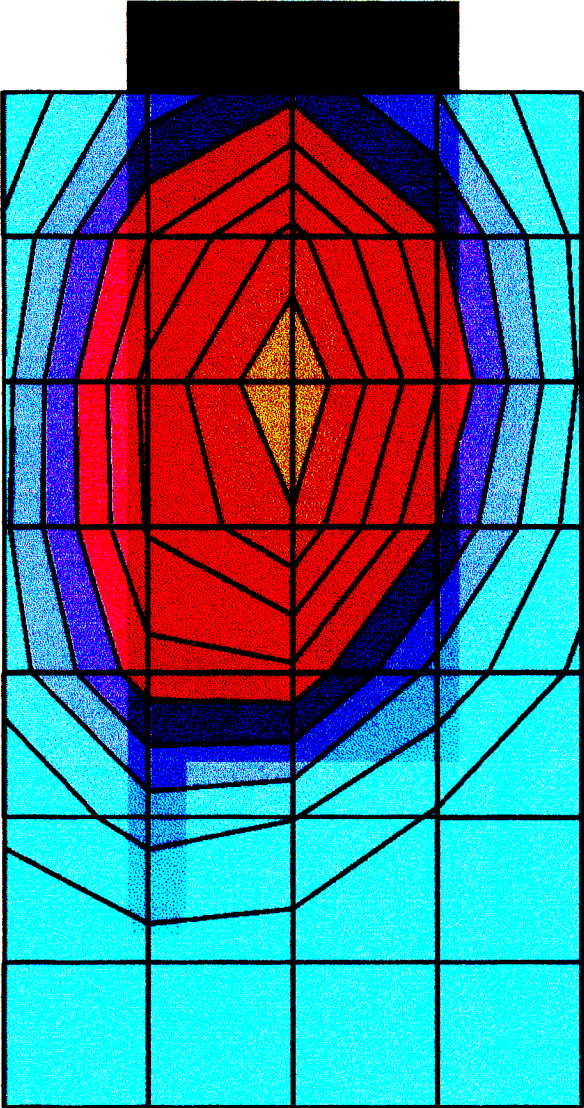
Powerdrift: 0.05 dB

1 inch, ERP=24.5 dBm

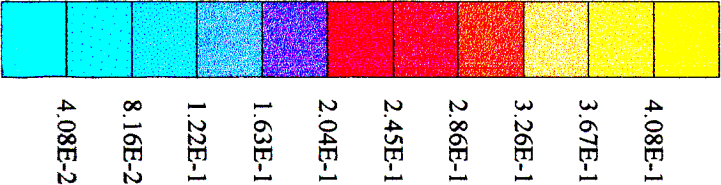


SCH611 F

Generic Twin Phantom; Flat Section; Position: (90°,90°); Frequency: 824 MHz
Probe: ET3DV5 - SN1333; ConvF(5.85,5.85,5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 56.5$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.399 mW/g, SAR (10g): 0.289 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.00 dB
1 inch, ERP=24.5 dBm

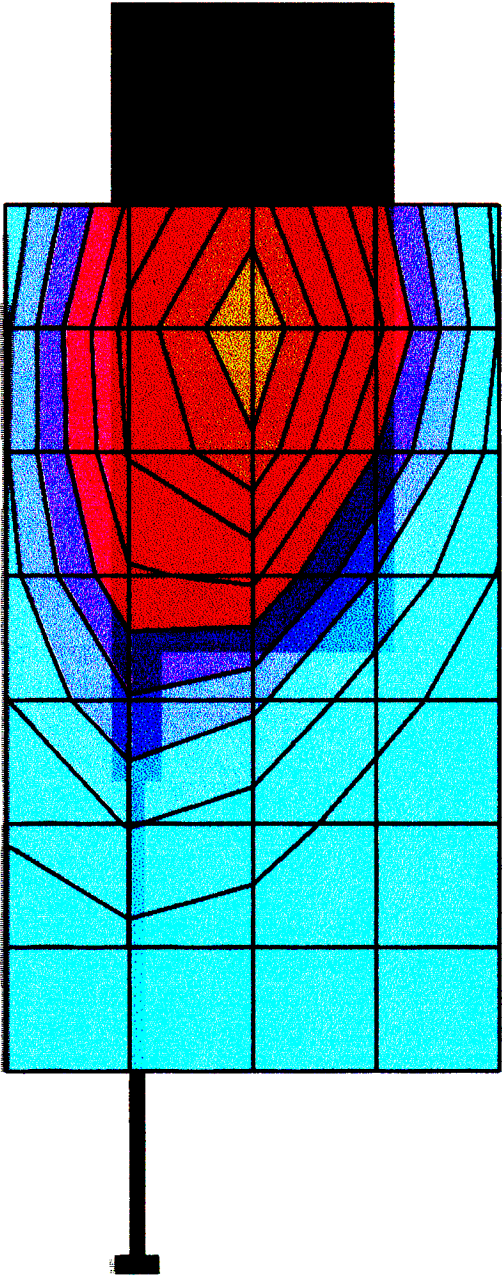


SAR_{tot} [mW/g]

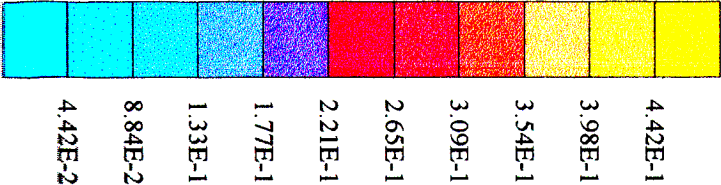


SCH611_F

Generic Twin Phantom; Flat Section; Position: (90°,90°); Frequency: 824 MHz
Probe: ET3DV5 - SN1333; ConvF(5.85,5.85,5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 56.5$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.436 mW/g, SAR (10g): 0.315 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdft: 0.01 dB
1 inch, ERP=24.5 dBm

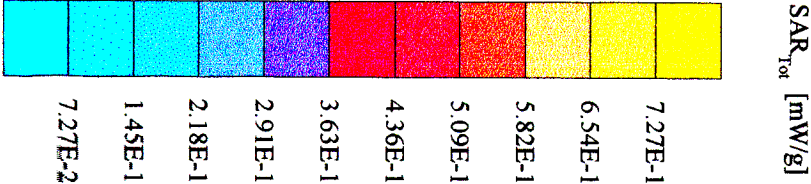
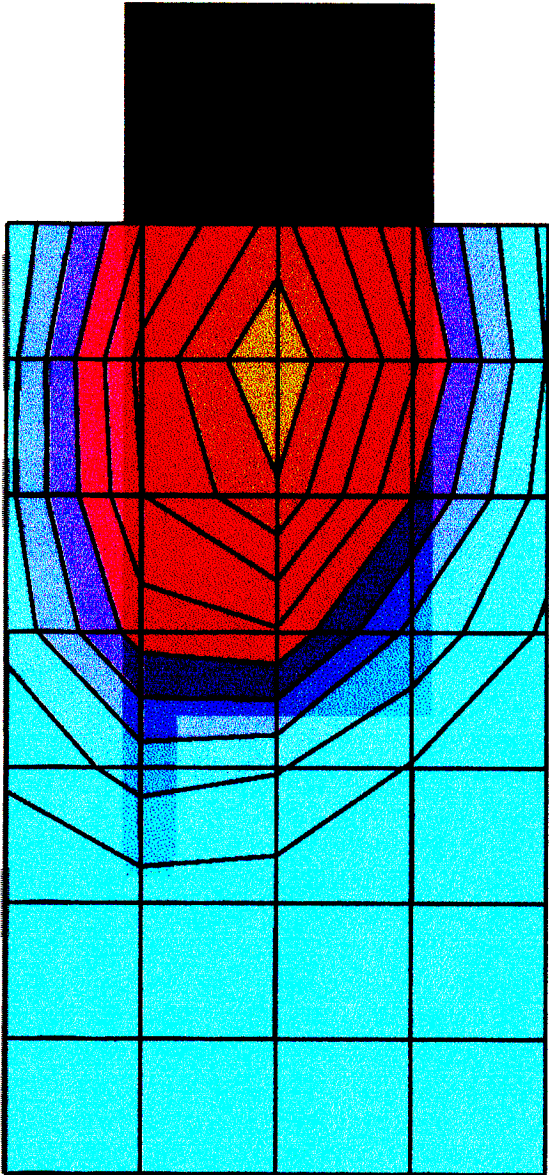


SAR_{10g} [mW/g]



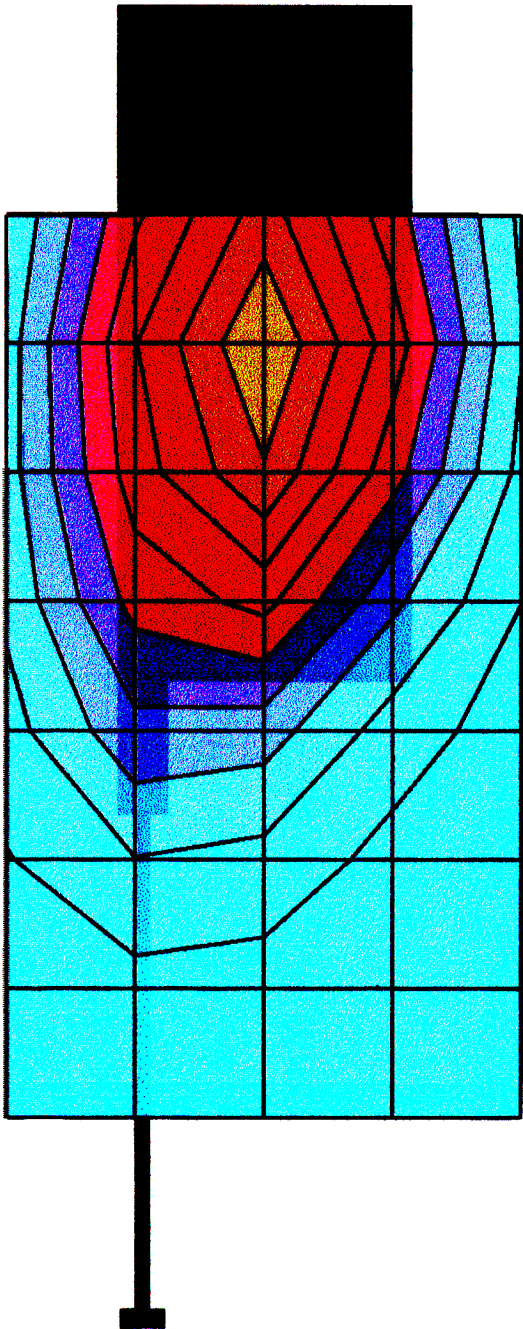
SCH611_F

Generic Twin Phantom; Flat Section; Position: (90°,90°); Frequency: 836 MHz
Probe: ET3DV5 - SN1333; ConvF(5.85,5.85,5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 56.5$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.719 mW/g, SAR (10g): 0.516 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.02 dB
1 inch, ERP=24.5 dBm

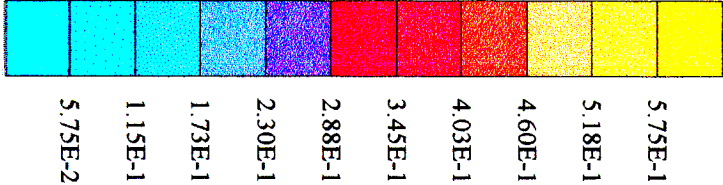


SCH611 F

Generic Twin Phantom; Flat Section; Position: (90°,90°); Frequency: 836 MHz
Probe: ET3DV5 - SN1333; ConvF(5.85,5.85,5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 56.5$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.555 mW/g, SAR (10g): 0.401 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.05 dB
1 inch, ERP=24.5 dBm

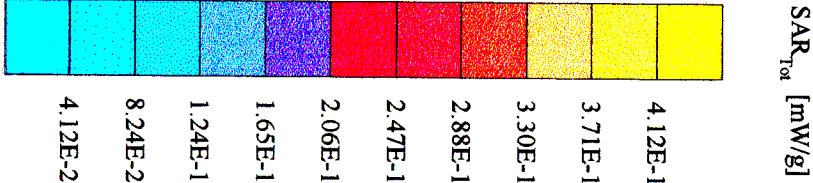
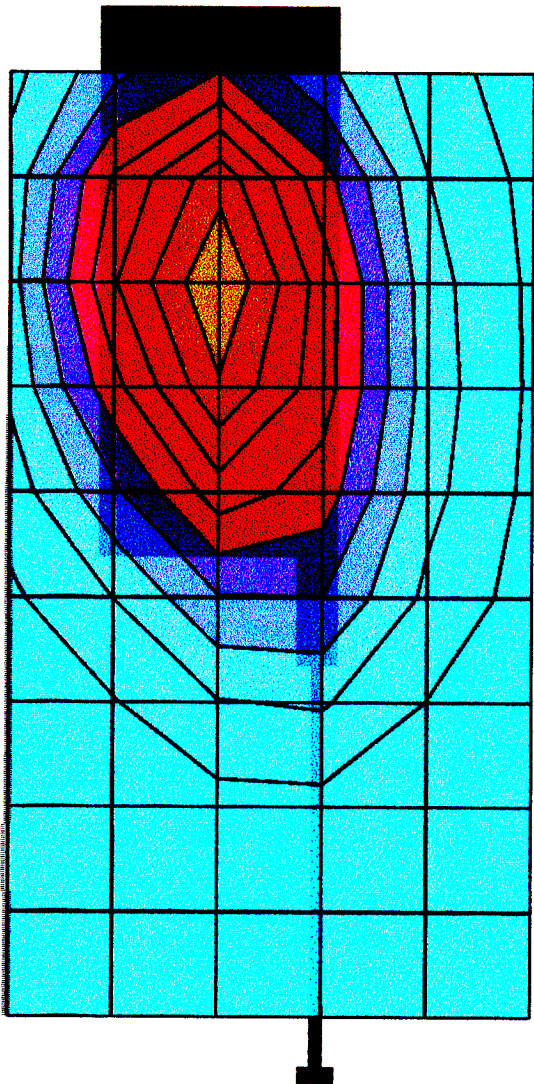


SAR_{tot} [mW/g]



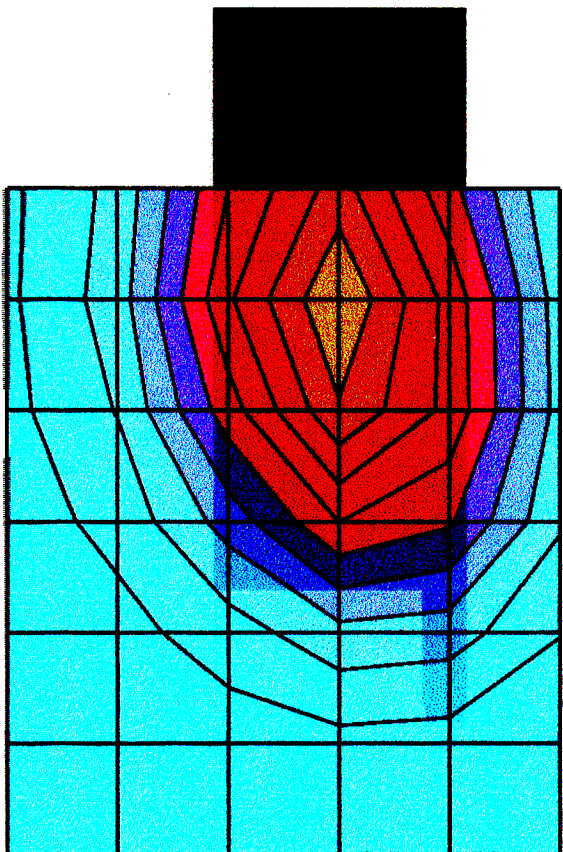
SCH611_B

Generic Twin Phantom; Flat Section; Position: (90°,90°); Frequency: 836 MHz
Probe: ET3DV5 - SN1333; ConvF(5.85,5.85,5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 56.5$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.398 mW/g, SAR (10g): 0.286 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.05 dB
1 inch, ERP=24.5 dBm



SCH611_B

Generic Twin Phantom; Flat Section; Position: (90°,90°); Frequency: 836 MHz
Probe: ET3DV5 - SN1333; ConvF(5.85,5.85,5.85); Crest factor: 1.0; Muscle 815 MHz: $\sigma = 0.94 \text{ mho/m}$, $\epsilon_r = 56.5$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.480 mW/g, SAR (10g): 0.344 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.06 dB
1 inch, ERP=24.5 dBm



SAR_{1 σ} [mW/g]

