Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 128_X longitudinal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/x (longitudinal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -0.972 dB A/m
BWC Factor = 0.155979 dB
Location: 8.3, -4.2, 3.7 mm

Scans/x (longitudinal) fine 3mm 42 x 6/ABM Signal(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -0.956 dB A/m
BWC Factor = 0.155979 dB
Location: -3.7, -7.2, 3.7 mm

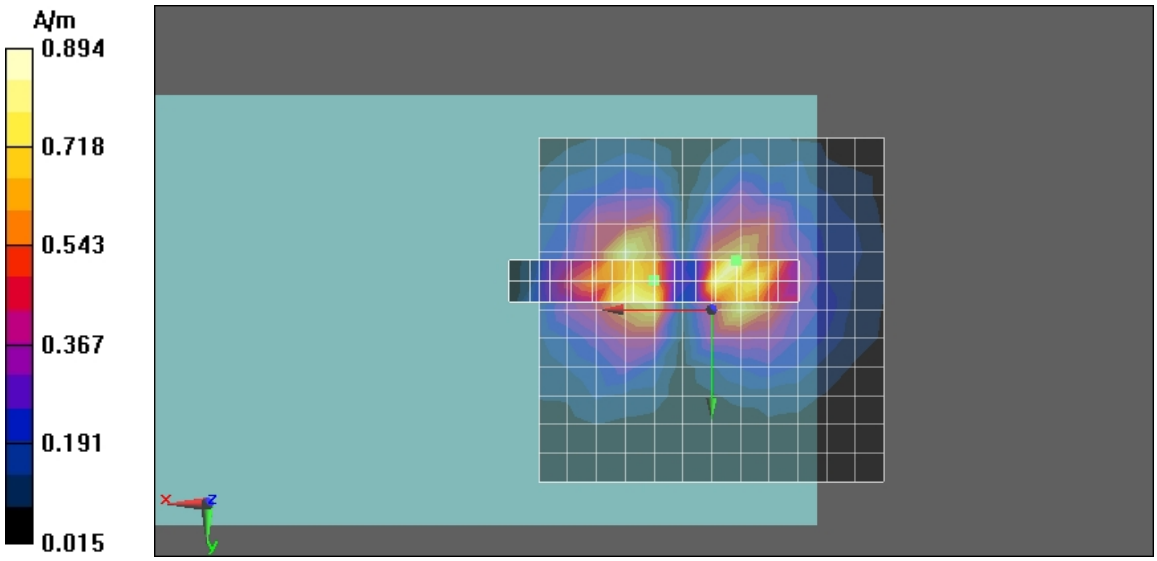
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1/ABM2 = 23.8 dB
ABM1 comp = -0.956 dB A/m
BWC Factor = 0.155979 dB
Location: -3.7, -7.2, 3.7 mm


A/m
0.894
0.718
0.543
0.367
0.191
0.015

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 128_Y transversal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -0.753 dB A/m
BWC Factor = 0.155979 dB
Location: 4.2, -12.5, 3.7 mm

Scans/y (transversal) fine 3mm 6 x 42/ABM Signal(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -1.69 dB A/m
BWC Factor = 0.155979 dB
Location: 7.2, -12.5, 3.7 mm

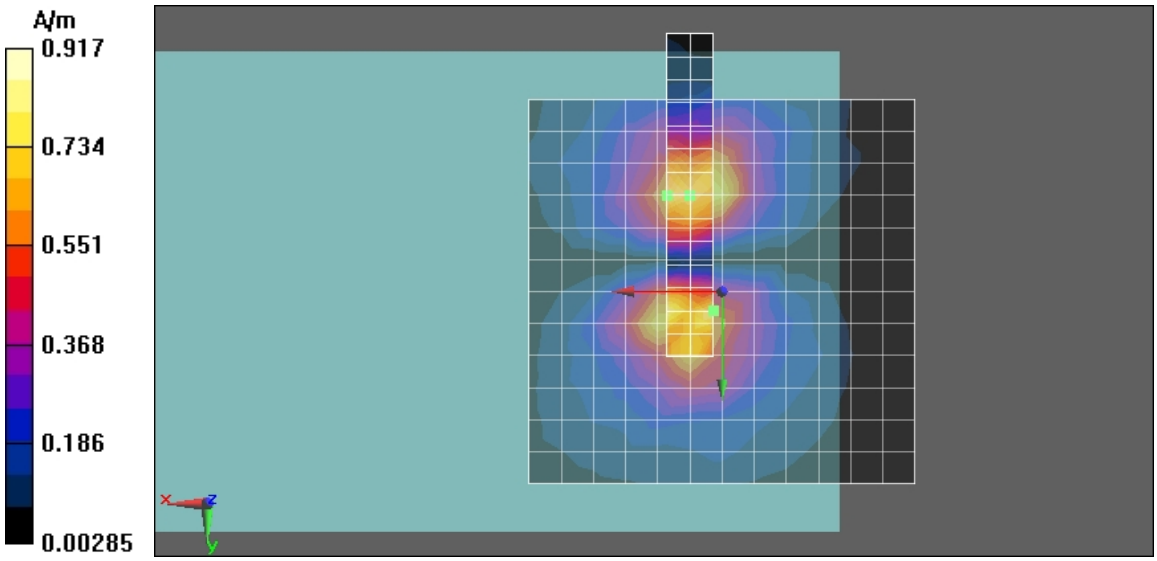
Scans/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1/ABM2 = 31.5 dB
ABM1 comp = -2.21 dB A/m
BWC Factor = 0.155979 dB
Location: 1.2, 2.5, 3.7 mm


A/m
0.917
0.734
0.551
0.368
0.186
0.00285

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 128_Z axial

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 824.2 MHz;Duty Cycle: 1:8.3
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 5.76 dB A/m
BWC Factor = 0.155979 dB
Location: 4.2, -4.2, 3.7 mm

Scans/z (axial) fine 2mm 8 x 8/ABM Signal(x,y,z) (5x5x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 7.22 dB A/m
BWC Factor = 0.155979 dB
Location: 6.2, -6.2, 3.7 mm

Scans/z (axial) fine 2mm 8 x 8/ABM SNR(x,y,z) (5x5x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

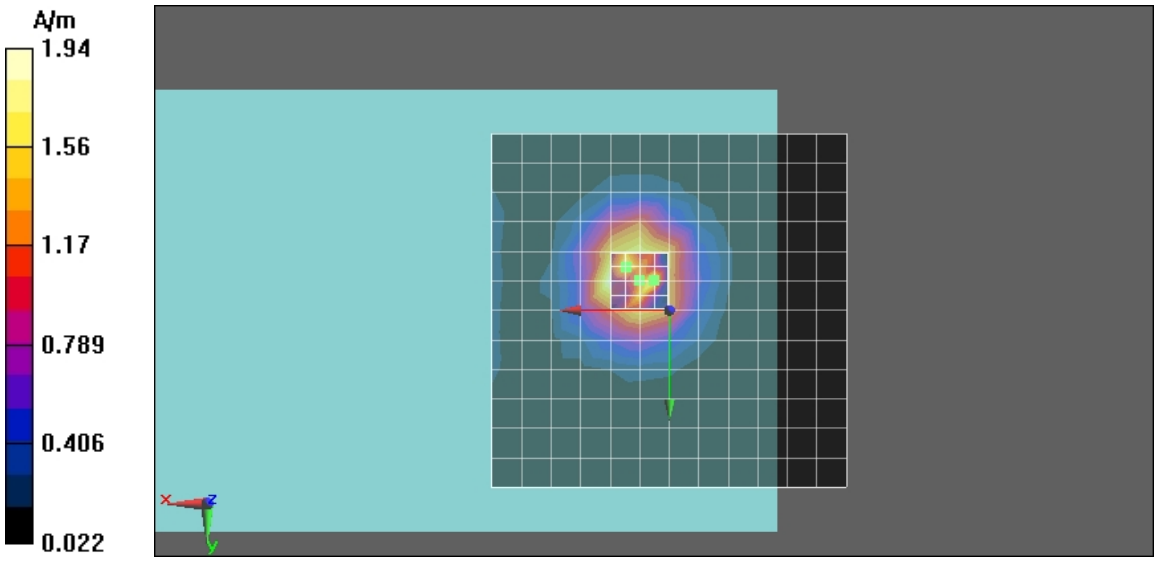
Cursor:
ABM1/ABM2 = 23.8 dB
ABM1 comp = 6.74 dB A/m
BWC Factor = 0.155979 dB
Location: 2.2, -4.2, 3.7 mm

Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
Output Gain: 71.232
Measure Window Start: 0ms
Measure Window Length: 2000ms
BWC applied: 10.8 dB
Device Reference Point: 0, 0, -6.3 mm

Category	**Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]**
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
Diff = 1.74 dB
BWC Factor = 10.8 dB
Location: 2.2, -4.2, 3.7 mm


A/m
1.94
1.56
1.17
0.789
0.406
0.022

Date/Time: 12/23/2010 07:29:20 AM

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 190_X longitudinal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/x (longitudinal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -0.053 dB A/m
BWC Factor = 0.155979 dB
Location: 12.5, -4.2, 3.7 mm

Scans/x (longitudinal) fine 3mm 42 x 6/ABM Signal(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 0.091 dB A/m
BWC Factor = 0.155979 dB
Location: 9.5, -4.2, 3.7 mm

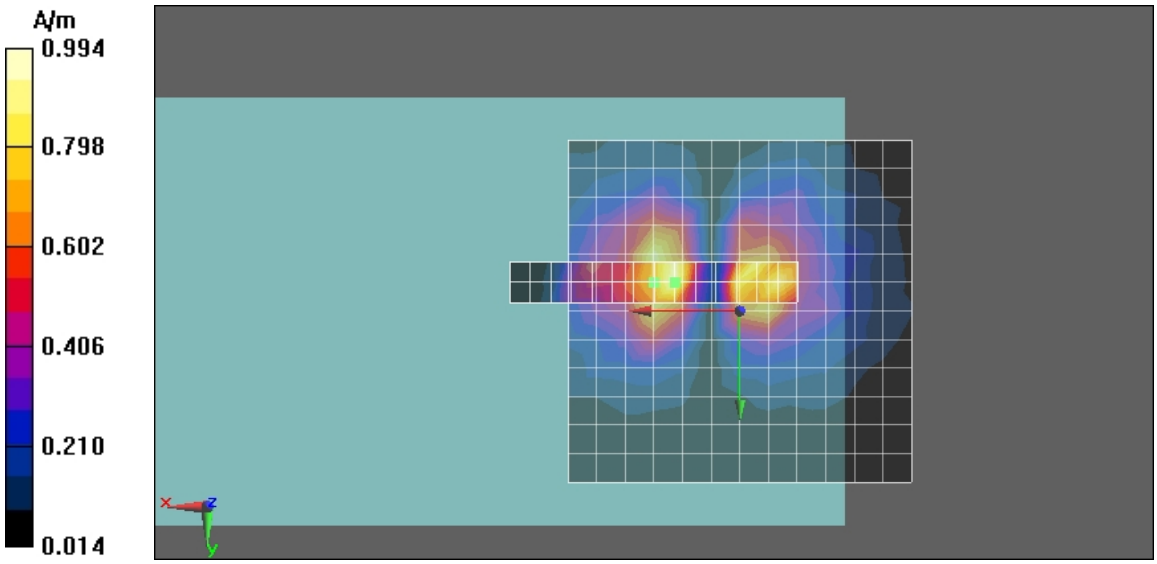
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1/ABM2 = 24.4 dB
ABM1 comp = 0.091 dB A/m
BWC Factor = 0.155979 dB
Location: 9.5, -4.2, 3.7 mm


A/m
0.994
0.798
0.602
0.406
0.210
0.014
x
z
y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 190_Y transversal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -1.74 dB A/m
BWC Factor = 0.155979 dB
Location: 8.3, -12.5, 3.7 mm

Scans/y (transversal) fine 3mm 6 x 42/ABM Signal(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -1.42 dB A/m
BWC Factor = 0.155979 dB
Location: 5.3, -9.5, 3.7 mm

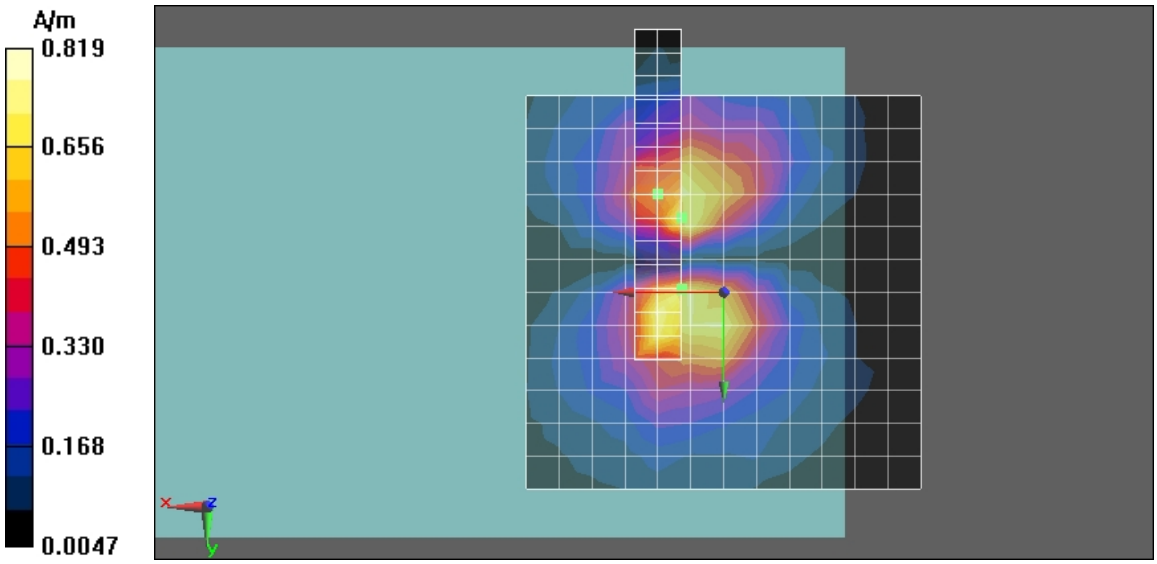
Scans/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1/ABM2 = 29.8 dB
ABM1 comp = -3.46 dB A/m
BWC Factor = 0.155979 dB
Location: 5.3, -0.5, 3.7 mm


A/m
0.819
0.656
0.493
0.330
0.168
0.0047
x
z
y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 190_Z axial

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 836.6 MHz;Duty Cycle: 1:8.3
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 8.11 dB A/m
BWC Factor = 0.155979 dB
Location: 4.2, -4.2, 3.7 mm

Scans/z (axial) fine 2mm 8 x 8/ABM Signal(x,y,z) (5x5x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 8.48 dB A/m
BWC Factor = 0.155979 dB
Location: 4.2, -6.2, 3.7 mm

Scans/z (axial) fine 2mm 8 x 8/ABM SNR(x,y,z) (5x5x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

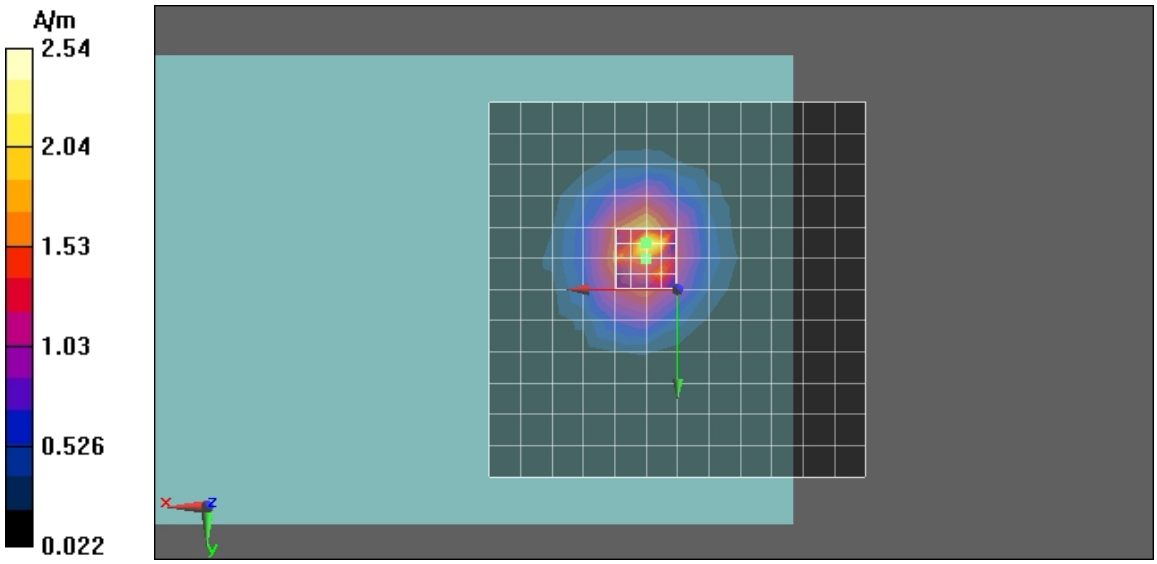
Cursor:
ABM1/ABM2 = 24.9 dB
ABM1 comp = 8.48 dB A/m
BWC Factor = 0.155979 dB
Location: 4.2, -6.2, 3.7 mm

Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
Output Gain: 71.232
Measure Window Start: 0ms
Measure Window Length: 2000ms
BWC applied: 10.8 dB
Device Reference Point: 0, 0, -6.3 mm

Category	**Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]**
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
Diff = 1.33 dB
BWC Factor = 10.8 dB
Location: 4.2, -6.2, 3.7 mm


A/m
2.54
2.04
1.53
1.03
0.526
0.022
x
z
y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 251_X longitudinal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/x (longitudinal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -1.35 dB A/m
BWC Factor = 0.155979 dB
Location: 0, -4.2, 3.7 mm

Scans/x (longitudinal) fine 3mm 42 x 6/ABM Signal(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 0.143 dB A/m
BWC Factor = 0.155979 dB
Location: 12, -4.2, 3.7 mm

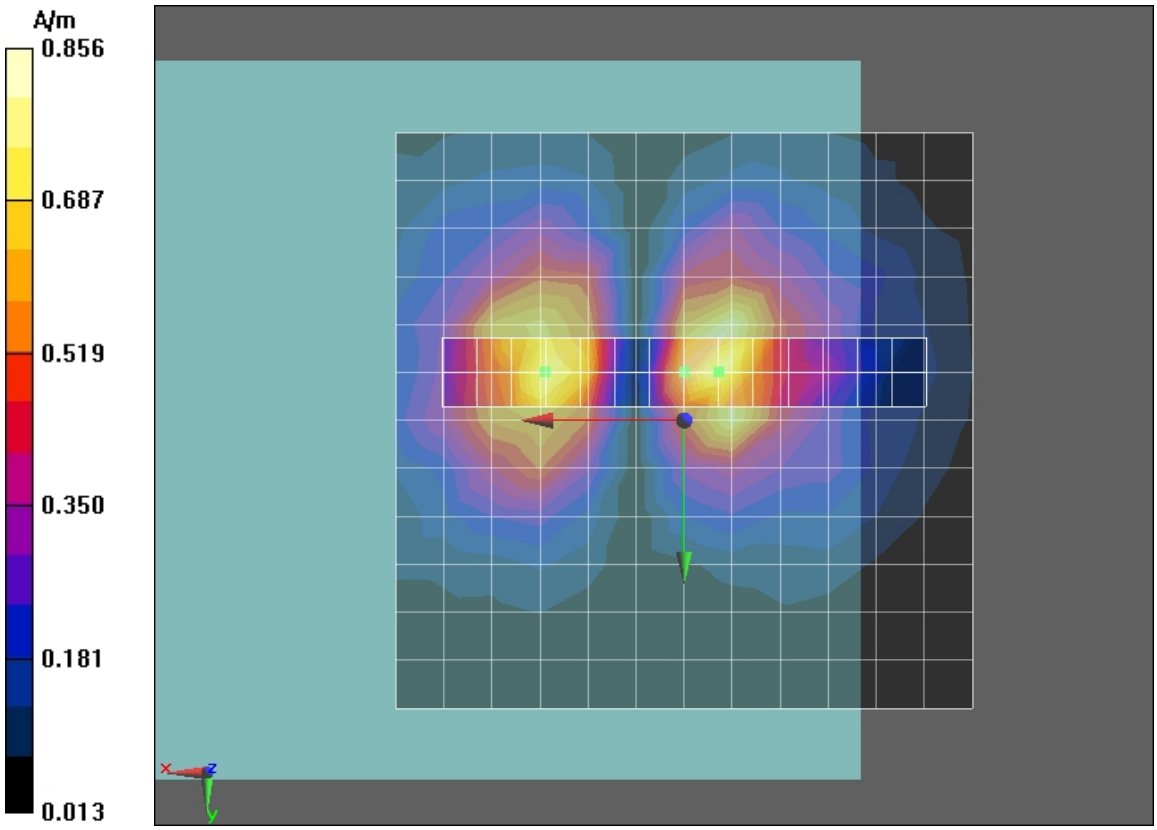
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1/ABM2 = 25.8 dB
ABM1 comp = 0.039 dB A/m
BWC Factor = 0.155979 dB
Location: -3, -4.2, 3.7 mm


A/m
0.856
0.687
0.519
0.350
0.181
0.013
X
Z
Y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 251_Y transversal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -0.283 dB A/m
BWC Factor = 0.155979 dB
Location: 4.2, -12.5, 3.7 mm

Scans/y (transversal) fine 3mm 6 x 42/ABM Signal(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -0.426 dB A/m
BWC Factor = 0.155979 dB
Location: 4.2, -12.5, 3.7 mm

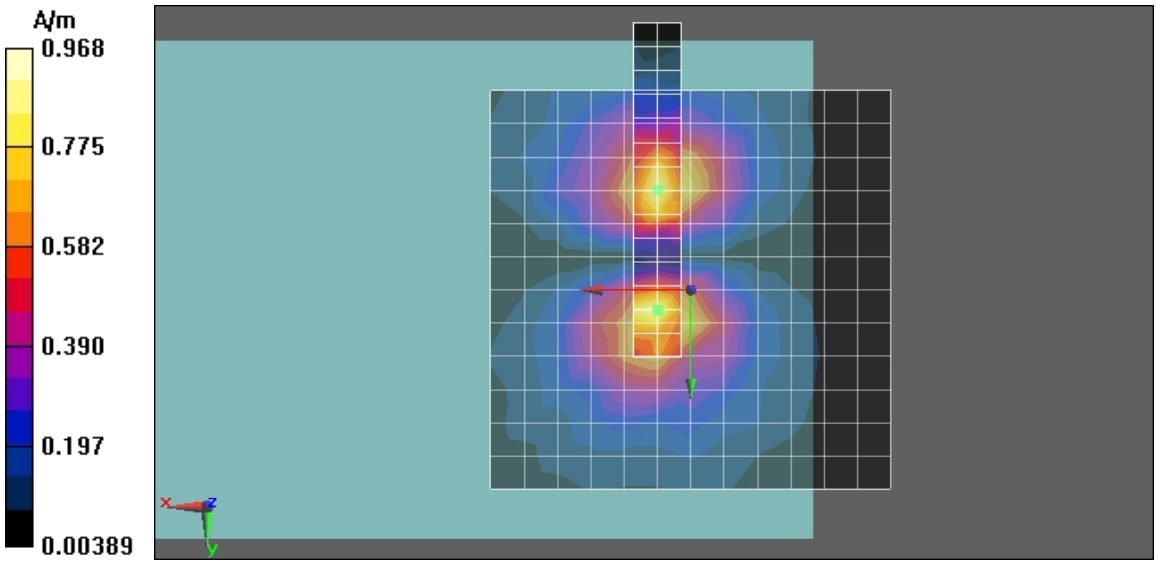
Scans/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1/ABM2 = 30.3 dB
ABM1 comp = -0.840 dB A/m
BWC Factor = 0.155979 dB
Location: 4.2, 2.5, 3.7 mm


A/m
0.968
0.775
0.582
0.390
0.197
0.00389
x
z
y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 251_Z axial

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 848.8 MHz;Duty Cycle: 1:8.3
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 8.14 dB A/m
BWC Factor = 0.155979 dB
Location: 4.2, -4.2, 3.7 mm

Scans/z (axial) fine 2mm 8 x 8/ABM Signal(x,y,z) (5x5x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 6.26 dB A/m
BWC Factor = 0.155979 dB
Location: 2.2, -2.2, 3.7 mm

Scans/z (axial) fine 2mm 8 x 8/ABM SNR(x,y,z) (5x5x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

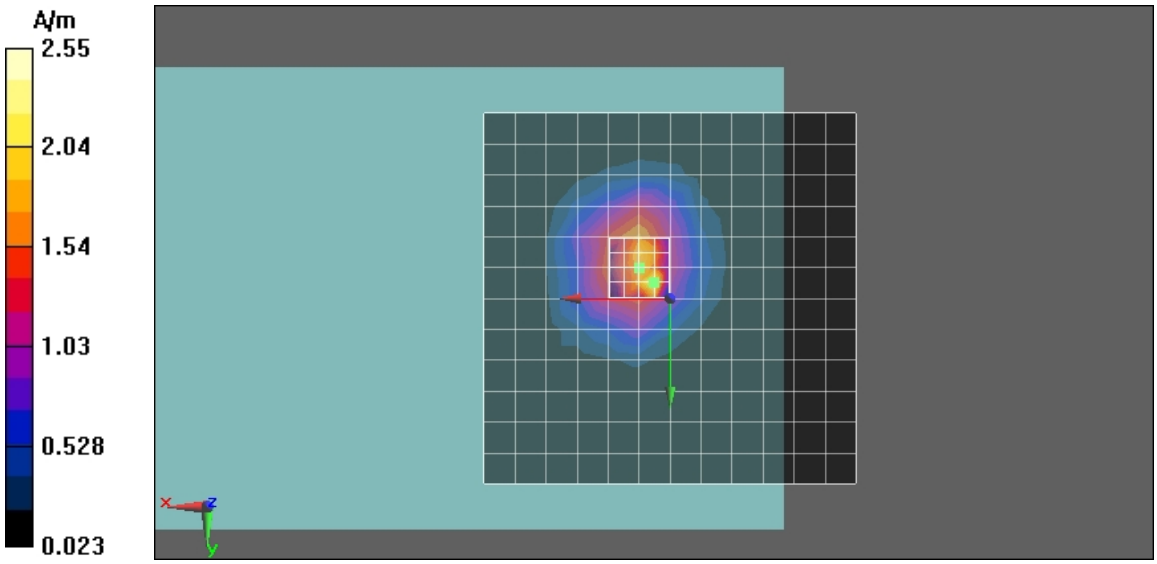
Cursor:
ABM1/ABM2 = 25 dB
ABM1 comp = 6.26 dB A/m
BWC Factor = 0.155979 dB
Location: 2.2, -2.2, 3.7 mm

Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
Output Gain: 71.232
Measure Window Start: 0ms
Measure Window Length: 2000ms
BWC applied: 10.8 dB
Device Reference Point: 0, 0, -6.3 mm

Category	**Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]**
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
Diff = 2 dB
BWC Factor = 10.8 dB
Location: 2.2, -2.2, 3.7 mm


A/m
2.55
2.04
1.54
1.03
0.528
0.023
x
z
y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 512_X longitudinal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/x (longitudinal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -1.73 dB A/m
BWC Factor = 0.155041 dB
Location: 4.2, 0, 3.7 mm

Scans/x (longitudinal) fine 3mm 42 x 6/ABM Signal(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -1.51 dB A/m
BWC Factor = 0.155041 dB
Location: -7.8, -3, 3.7 mm

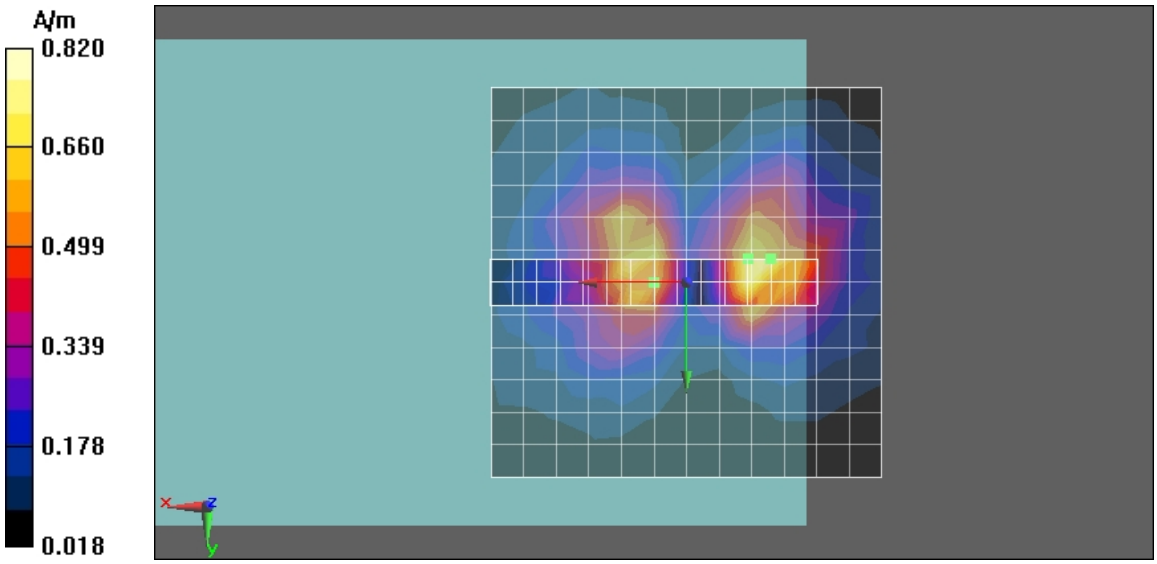
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1/ABM2 = 24.2 dB
ABM1 comp = -1.66 dB A/m
BWC Factor = 0.155041 dB
Location: -10.8, -3, 3.7 mm


A/m
0.820
0.660
0.499
0.339
0.178
0.018
x
z
y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 512_Y transversal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -2.18 dB A/m
BWC Factor = 0.155041 dB
Location: 0, -8.3, 3.7 mm

Scans/y (transversal) fine 3mm 6 x 42/ABM Signal(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

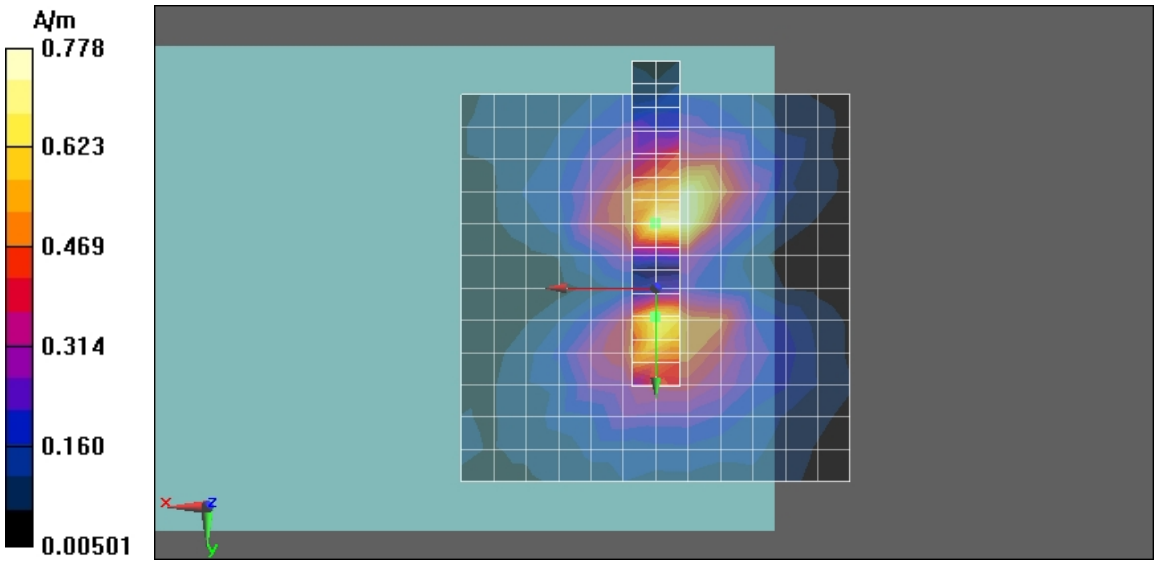
Scans/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:

ABM1/ABM2 = 33.2 dB
ABM1 comp = -3.52 dB A/m
BWC Factor = 0.155041 dB
Location: 0, 3.7, 3.7 mm


A/m
0.778
0.623
0.469
0.314
0.160
0.00501
x
z
y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 512_Z axial

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 1900; Frequency: 1850.2 MHz;Duty Cycle: 1:8
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 6.14 dB A/m
BWC Factor = 0.155041 dB
Location: 0, 0, 3.7 mm

Scans/z (axial) fine 2mm 8 x 8/ABM Signal(x,y,z) (5x5x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 6.58 dB A/m
BWC Factor = 0.155041 dB
Location: 0, -4, 3.7 mm

Scans/z (axial) fine 2mm 8 x 8/ABM SNR(x,y,z) (5x5x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

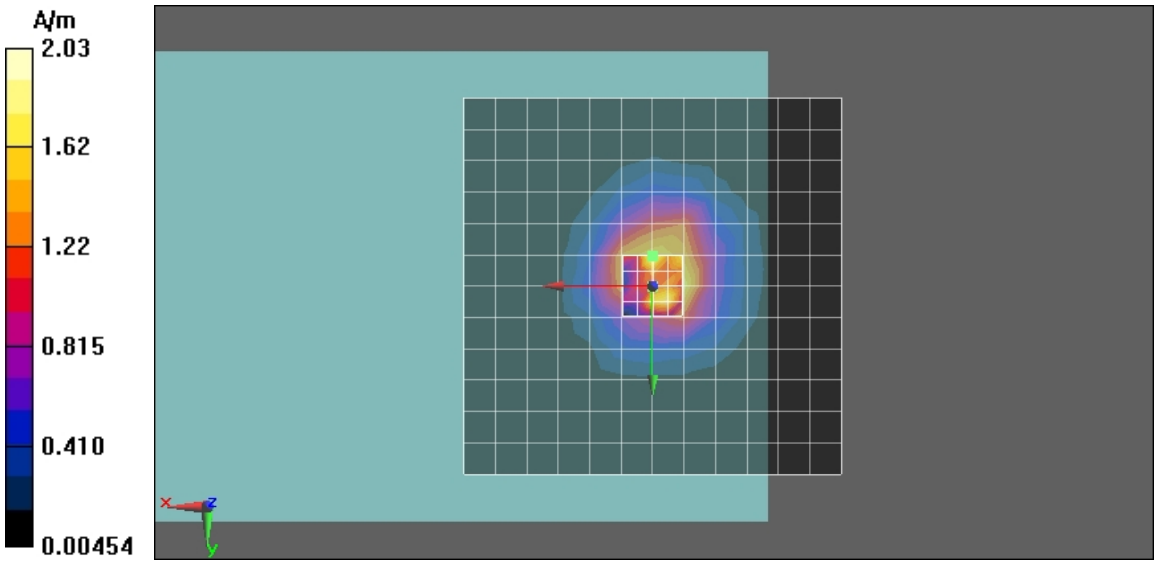
Cursor:
ABM1/ABM2 = 33.4 dB
ABM1 comp = 6.58 dB A/m
BWC Factor = 0.155041 dB
Location: 0, -4, 3.7 mm

Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
Output Gain: 71.232
Measure Window Start: 0ms
Measure Window Length: 2000ms
BWC applied: 10.8 dB
Device Reference Point: 0, 0, -6.3 mm

Category	**Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]**
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
Diff = 1.89 dB
BWC Factor = 10.8 dB
Location: 0, -4, 3.7 mm


A/m
2.03
1.62
1.22
0.815
0.410
0.00454
x
z
y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 661_X longitudinal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/x (longitudinal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -1.59 dB A/m
BWC Factor = 0.155041 dB
Location: -8.3, -4.2, 3.7 mm

Scans/x (longitudinal) fine 3mm 42 x 6/ABM Signal(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -1.57 dB A/m
BWC Factor = 0.155041 dB
Location: 6.7, -4.2, 3.7 mm

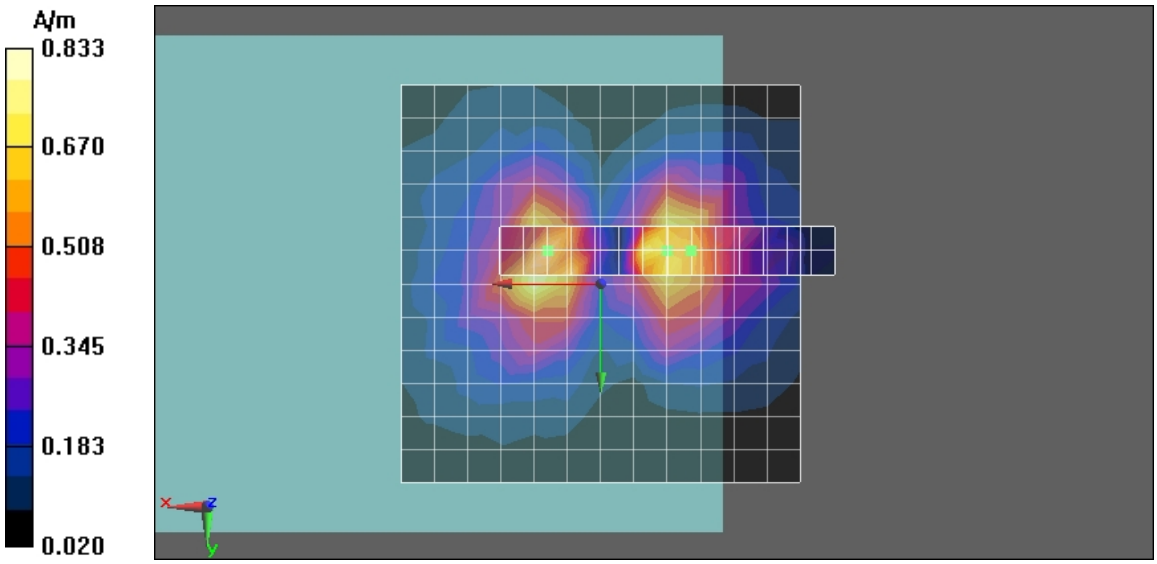
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1/ABM2 = 21.3 dB
ABM1 comp = -4.17 dB A/m
BWC Factor = 0.155041 dB
Location: -11.3, -4.2, 3.7 mm


A/m
0.833
0.670
0.508
0.345
0.183
0.020
x
z
y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 661_Y transversal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -3.4 dB A/m
BWC Factor = 0.155041 dB
Location: -4.2, -8.3, 3.7 mm

Scans/y (transversal) fine 3mm 6 x 42/ABM Signal(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -2.65 dB A/m
BWC Factor = 0.155041 dB
Location: -4.2, -8.3, 3.7 mm

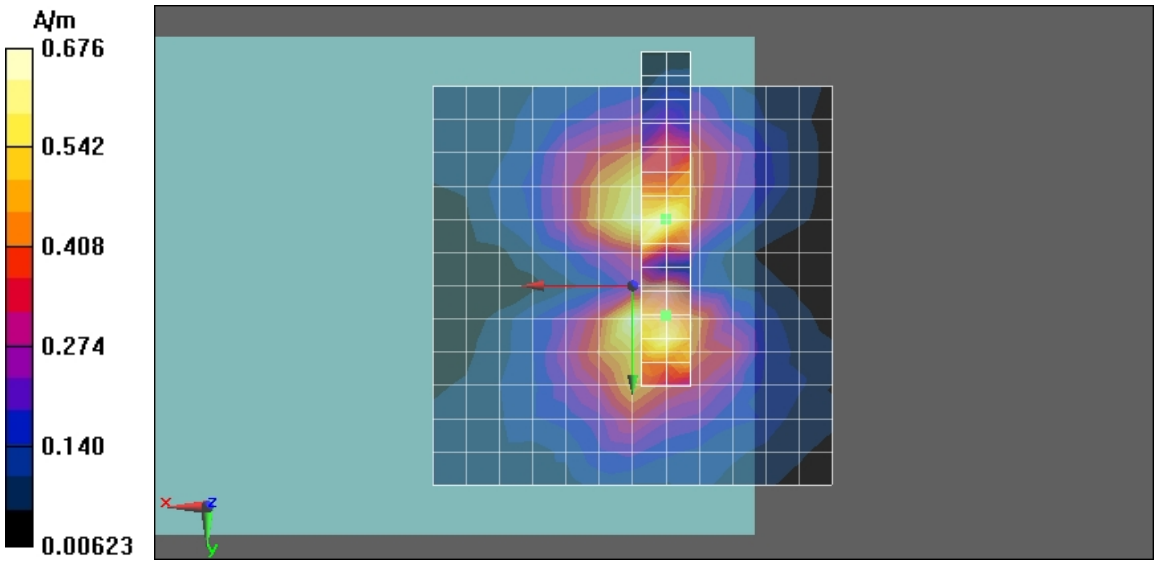
Scans/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1/ABM2 = 31.6 dB
ABM1 comp = -6.31 dB A/m
BWC Factor = 0.155041 dB
Location: -4.2, 3.7, 3.7 mm


A/m
0.676
0.542
0.408
0.274
0.140
0.00623
x
z
y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 661_Z axial

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 1900; Frequency: 1880 MHz;Duty Cycle: 1:8
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 6.85 dB A/m
BWC Factor = 0.155041 dB
Location: 0, -4.2, 3.7 mm

Scans/z (axial) fine 2mm 8 x 8/ABM Signal(x,y,z) (5x5x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = 5.75 dB A/m
BWC Factor = 0.155041 dB
Location: 0, -4.2, 3.7 mm

Scans/z (axial) fine 2mm 8 x 8/ABM SNR(x,y,z) (5x5x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155041 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

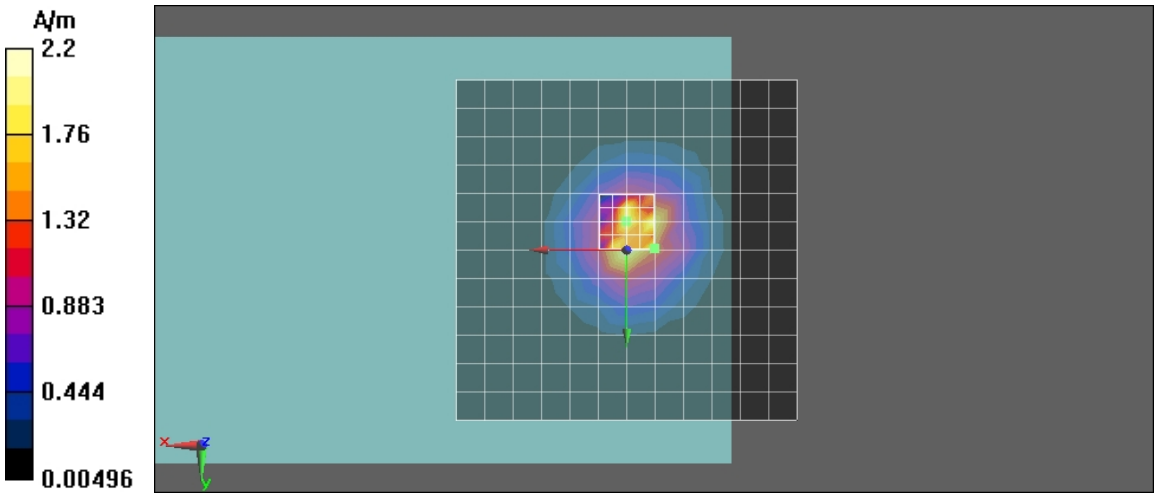
Cursor:
ABM1/ABM2 = 33.8 dB
ABM1 comp = 5.09 dB A/m
BWC Factor = 0.155041 dB
Location: -4, -0.2, 3.7 mm

Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
Output Gain: 71.232
Measure Window Start: 0ms
Measure Window Length: 2000ms
BWC applied: 10.8 dB
Device Reference Point: 0, 0, -6.3 mm

Category	**Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]**
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
Diff = 1.77 dB
BWC Factor = 10.8 dB
Location: -4, -0.2, 3.7 mm


A/m
2.2
1.76
1.32
0.883
0.444
0.00496

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 810_X longitudinal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/x (longitudinal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -1.52 dB A/m
BWC Factor = 0.155979 dB
Location: -8.3, 0, 3.7 mm

Scans/x (longitudinal) fine 3mm 42 x 6/ABM Signal(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -1.9 dB A/m
BWC Factor = 0.155979 dB
Location: -11.3, -3, 3.7 mm

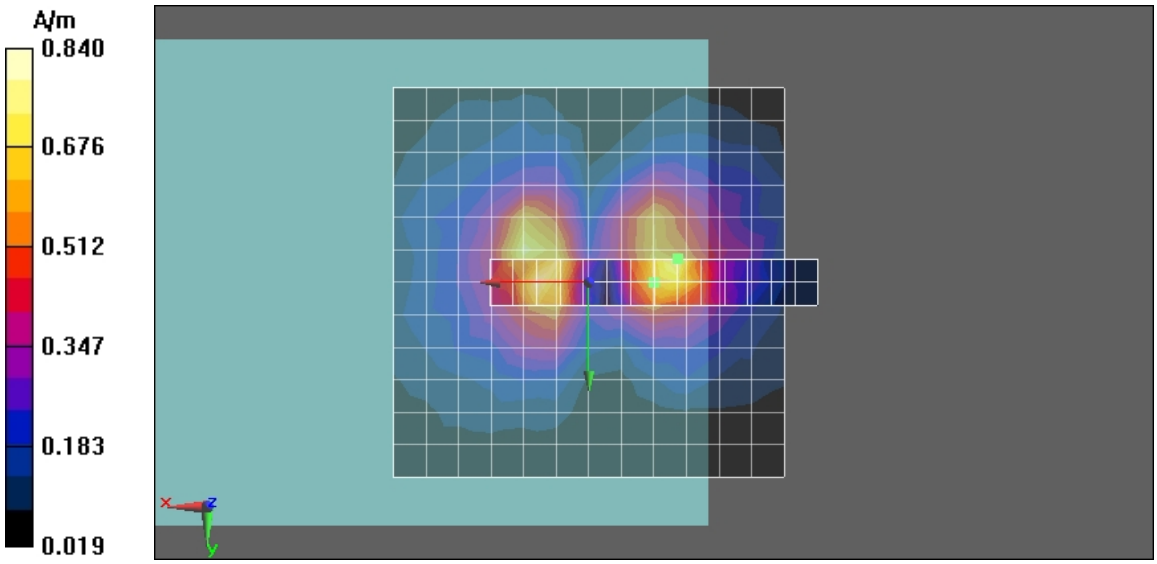
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1/ABM2 = 24.1 dB
ABM1 comp = -1.9 dB A/m
BWC Factor = 0.155979 dB
Location: -11.3, -3, 3.7 mm


A/m
0.840
0.676
0.512
0.347
0.183
0.019
x
z
y

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 810_Y transversal

DUT: K5; Type: Mobile Phone; Serial: N/A

Communication System: GSM 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:8
Medium parameters used: $\sigma = 0$ mho/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section
Air Temperature:24.6 deg C;Liquid Temperature:23.6 deg C
Area Scan Find Secondary Maximum Within 2dB and with a peak SAR value greater than 0.0012W/kg

DASY4 Configuration:

- Probe: AM1DV2 - 1080; ;
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn877; Calibrated: 2/17/2010
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1027
- Measurement SW: DASY5, V5.0 Build 125; SEMCAD X Version 13.4 Build 125

Scans/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -3.11 dB A/m
BWC Factor = 0.155979 dB
Location: 0, 4.2, 3.7 mm

Scans/y (transversal) fine 3mm 6 x 42/ABM Signal(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB
Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1 comp = -3.14 dB A/m
BWC Factor = 0.155979 dB
Location: 0, 4.2, 3.7 mm

Scans/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 36.372
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.155979 dB
Device Reference Point: 0, 0, -6.3 mm

Category	Telephone parameters WD signal quality [(signal+noise)-to-noise ratio in decibels]
Category T1	0 dB to 10 dB
Category T2	10 dB to 20 dB

Category T3	20 dB to 30 dB
Category T4	> 30 dB

Cursor:
ABM1/ABM2 = 34.1 dB
ABM1 comp = -7.26 dB A/m
BWC Factor = 0.155979 dB
Location: -3, 1.2, 3.7 mm