Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 128_X longitudinal

DUT: C4; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 824.2 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: 37.238
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 = -6.14 dB A/m
BWC Factor = 0.155979 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: 37.238
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 = -5.59 dB A/m
BWC Factor = 0.155979 dB
Location: -7.8, -3, 3.7 mm

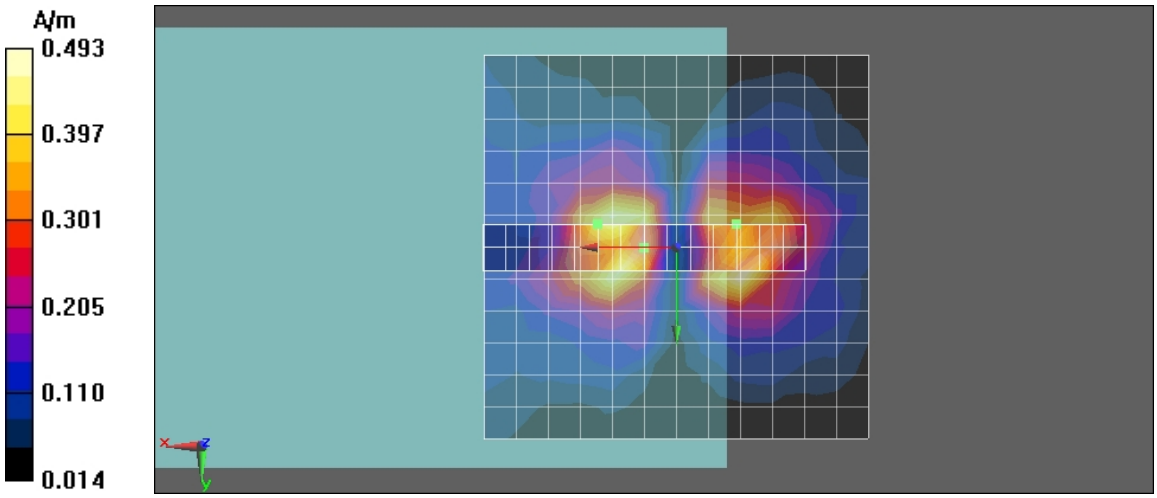
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
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 = 22.8 dB
ABM1 comp = -7.3 dB A/m
BWC Factor = 0.155979 dB
Location: 10.2, -3, 3.7 mm


A/m
0.493
0.397
0.301
0.205
0.110
0.014

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 128_Y transversal

DUT: C4; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 824.2 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: 37.238
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 = -7.17 dB A/m
BWC Factor = 0.155979 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: 37.238
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 = -6.17 dB A/m
BWC Factor = 0.155979 dB
Location: 0, -8.3, 3.7 mm

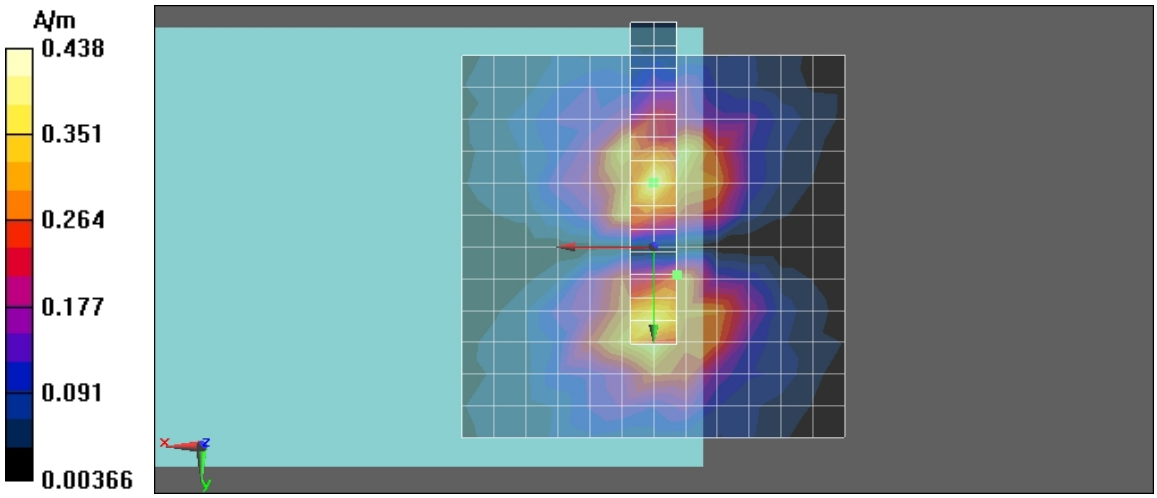
Scans/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
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 = 26.3 dB
ABM1 comp = -11.3 dB A/m
BWC Factor = 0.155979 dB
Location: -3, 3.7, 3.7 mm


A/m
0.438
0.351
0.264
0.177
0.091
0.00366

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 128_Z axial

DUT: C4; Type: Mobile Phone; Serial: N/A

Communication System: GSM 850; Frequency: 824.2 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: 37.238
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 = 2.37 dB A/m
BWC Factor = 0.155979 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: 37.238
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 = 2.46 dB A/m
BWC Factor = 0.155979 dB
Location: 0, 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: 37.238
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

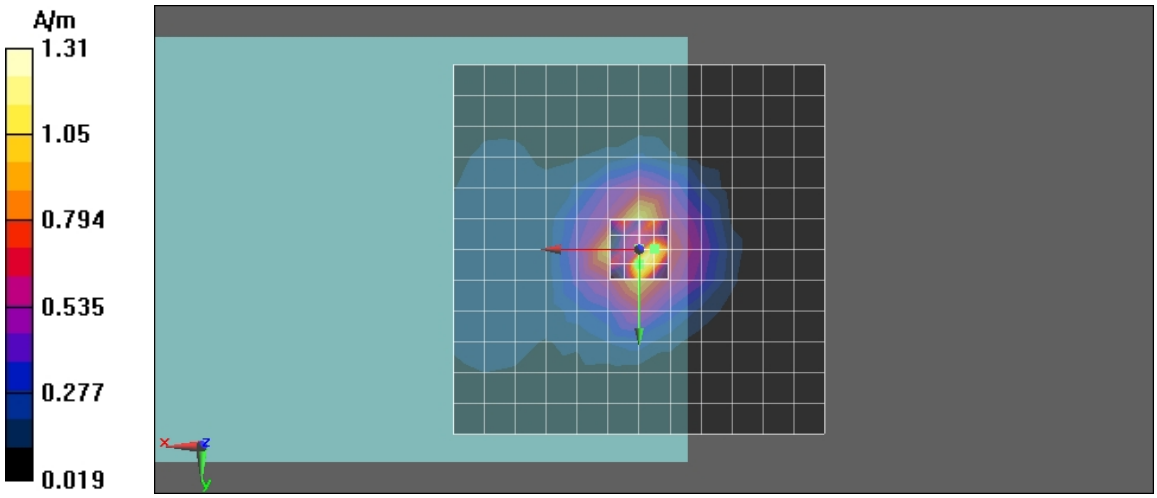
Cursor:
ABM1/ABM2 = 20.1 dB
ABM1 comp = 2.16 dB A/m
BWC Factor = 0.155979 dB
Location: -2, 0, 3.7 mm

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: 72.928
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 = 1.57 dB
BWC Factor = 10.8 dB
Location: -2, 0, 3.7 mm


A/m
1.31
1.05
0.794
0.535
0.277
0.019

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 190_X longitudinal

DUT: C4; 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: 37.238
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 = -4.52 dB A/m
BWC Factor = 0.155041 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: 37.238
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 = -3.14 dB A/m
BWC Factor = 0.155041 dB
Location: -6.7, 0, 3.7 mm

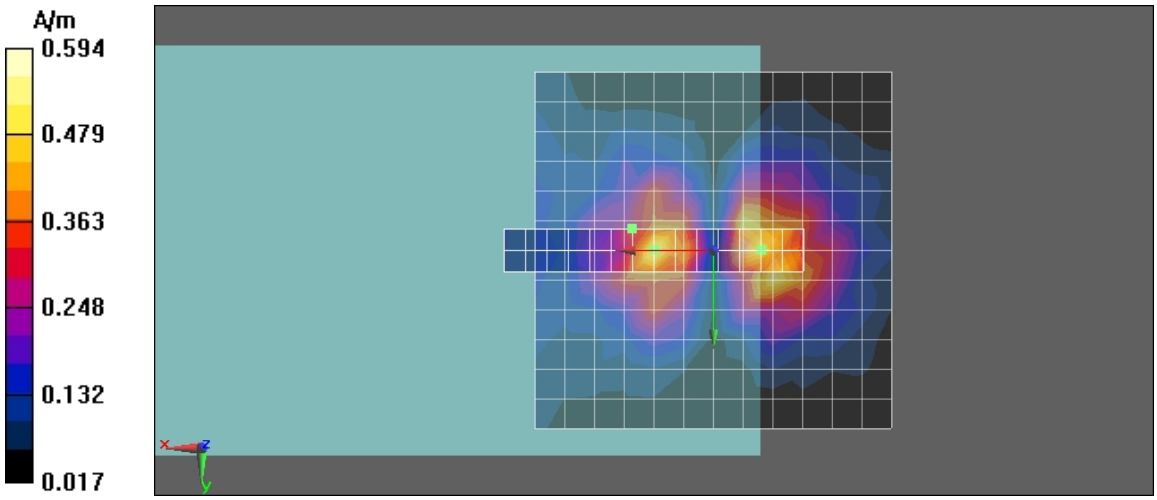
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
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 = 23.2 dB
ABM1 comp = -6.96 dB A/m
BWC Factor = 0.155041 dB
Location: 11.3, -3, 3.7 mm


A/m
0.594
0.479
0.363
0.248
0.132
0.017

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 190_Y transversal

DUT: C4; 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: 37.238
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 = -5.85 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: 37.238
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 = -4.71 dB A/m
BWC Factor = 0.155041 dB
Location: -1.2, -6.7, 3.7 mm

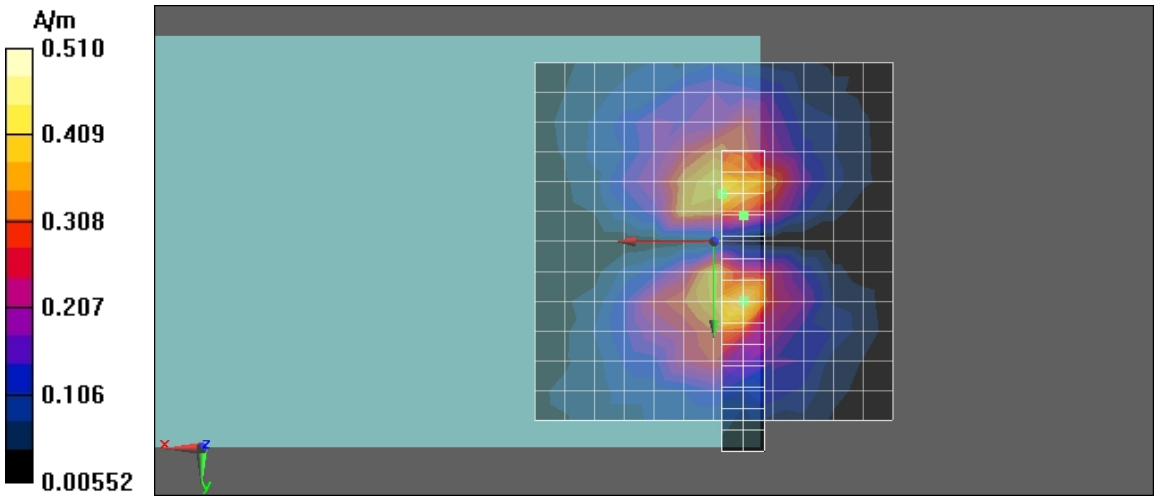
Scans/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
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 = 27.1 dB
ABM1 comp = -8.42 dB A/m
BWC Factor = 0.155041 dB
Location: -4.2, -3.7, 3.7 mm


A/m
0.510
0.409
0.308
0.207
0.106
0.00552

Date/Time: 12/25/2010 05:54:41 AM

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 190_Z axial

DUT: C4; 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: 37.238
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 = 2.61 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: 37.238
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 = 4.36 dB A/m
BWC Factor = 0.155041 dB
Location: 0, -0.2, 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: 37.238
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

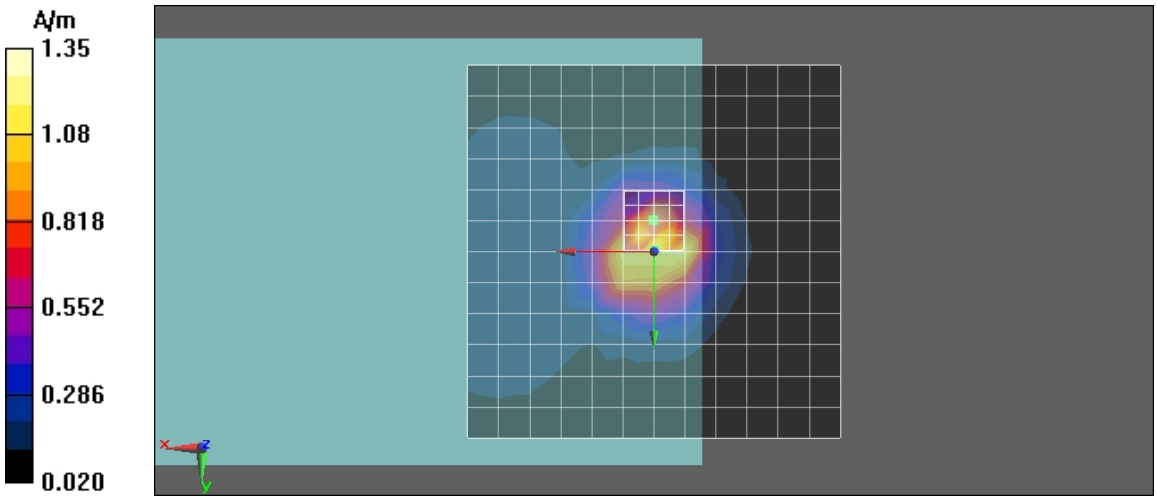
Cursor:
ABM1/ABM2 = 20.5 dB
ABM1 comp = 4.36 dB A/m
BWC Factor = 0.155041 dB
Location: 0, -0.2, 3.7 mm

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: 72.928
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 = 0.721 dB
BWC Factor = 10.8 dB
Location: 0, -0.2, 3.7 mm


A/m
1.35
1.08
0.818
0.552
0.286
0.020

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 251_X longitudinal

DUT: C4; 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: 37.238
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 = -3.97 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: 37.238
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 = -3.39 dB A/m
BWC Factor = 0.155041 dB
Location: 7.2, 0, 3.7 mm

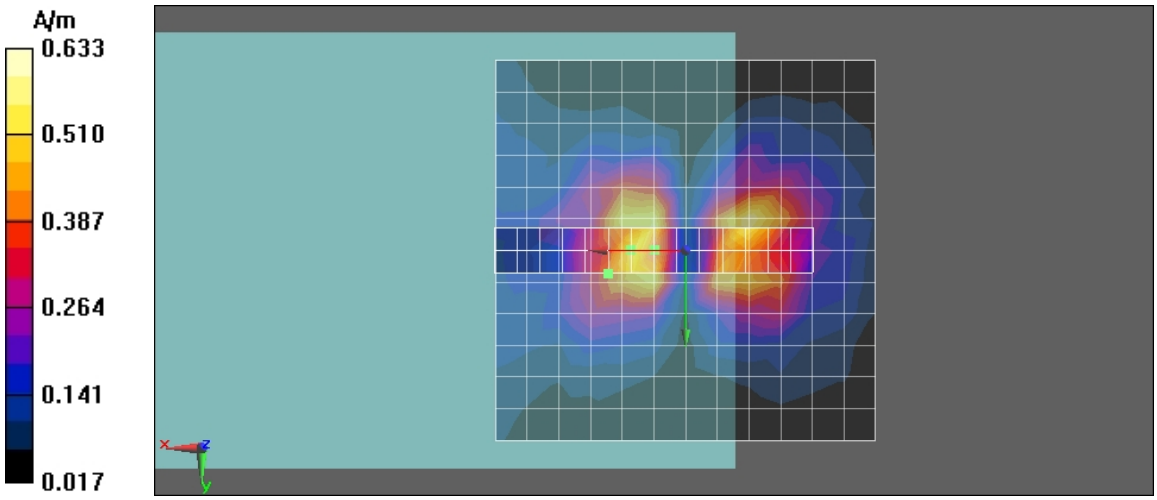
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
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 = 22.4 dB
ABM1 comp = -6.13 dB A/m
BWC Factor = 0.155041 dB
Location: 10.2, 3, 3.7 mm


A/m
0.633
0.510
0.387
0.264
0.141
0.017

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 251_Y transversal

DUT: C4; 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: 37.238
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 = -4.37 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: 37.238
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 = -4.32 dB A/m
BWC Factor = 0.155041 dB
Location: 0, -8.3, 3.7 mm

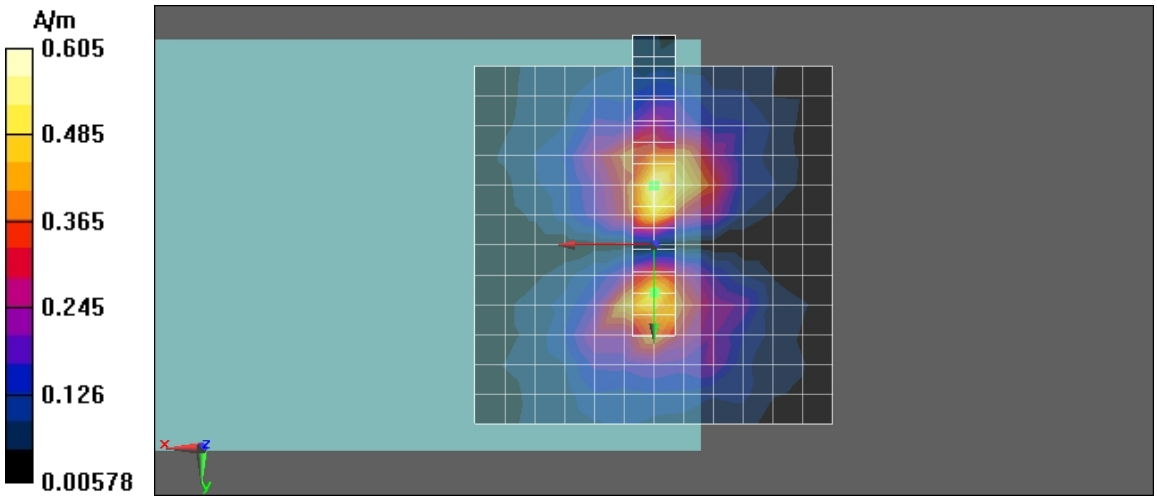
Scans/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
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 = 28.2 dB
ABM1 comp = -5.29 dB A/m
BWC Factor = 0.155041 dB
Location: 0, 6.7, 3.7 mm


A/m
0.605
0.485
0.365
0.245
0.126
0.00578

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 850_CH 251_Z axial

DUT: C4; 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: 37.238
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 = 4.09 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: 37.238
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/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: 37.238
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:

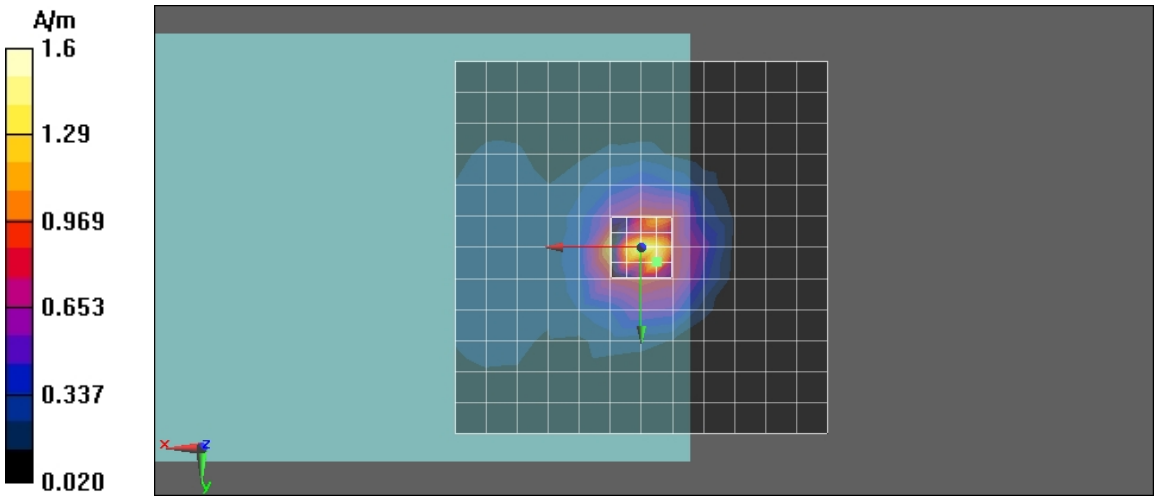
ABM1/ABM2 = 21.1 dB
ABM1 comp = 3.49 dB A/m
BWC Factor = 0.155041 dB
Location: -2, 2, 3.7 mm

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: 72.928
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 = 1.19 dB
BWC Factor = 10.8 dB
Location: -2, 2, 3.7 mm


A/m
1.6
1.29
0.969
0.653
0.337
0.020

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 512_X longitudinal

DUT: C4; 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: 37.238
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 = -5.91 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: 37.238
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 = -4.91 dB A/m
BWC Factor = 0.155041 dB
Location: -8.3, -1.2, 3.7 mm

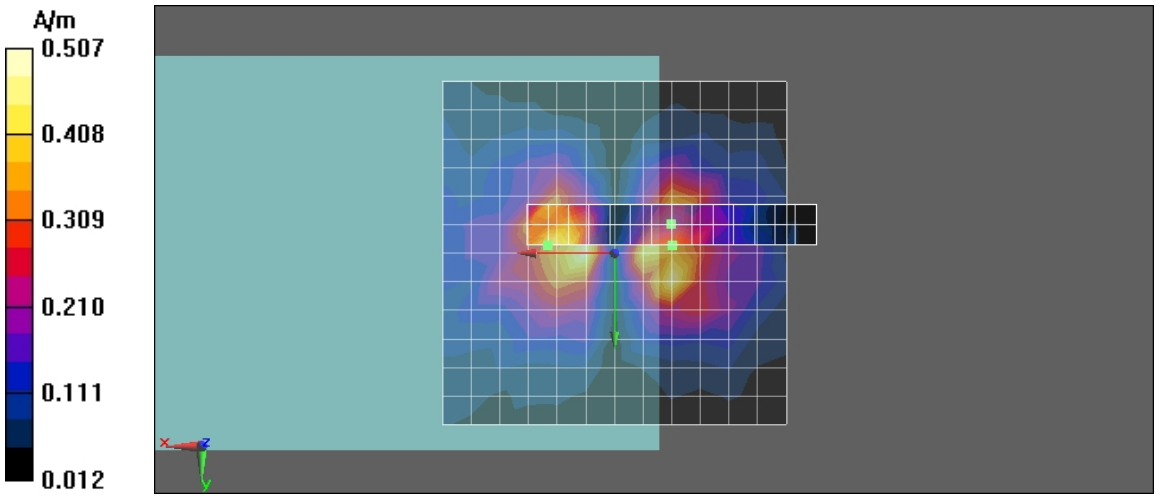
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
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 = 24.8 dB
ABM1 comp = -6.37 dB A/m
BWC Factor = 0.155041 dB
Location: 9.7, -1.2, 3.7 mm


A/m
0.507
0.408
0.309
0.210
0.111
0.012

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 512_Y transversal

DUT: C4; 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: 37.238
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 = -6.55 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: 37.238
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 = -5.7 dB A/m
BWC Factor = 0.155041 dB
Location: -1.2, -8.3, 3.7 mm

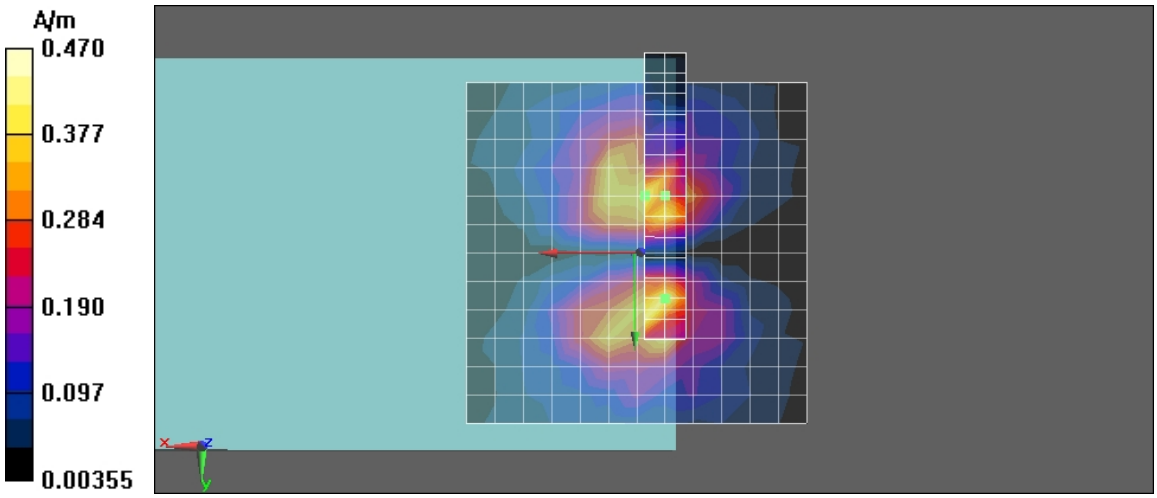
Scans/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
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 = 27.8 dB
ABM1 comp = -7.7 dB A/m
BWC Factor = 0.155041 dB
Location: -4.2, 6.7, 3.7 mm


A/m
0.470
0.377
0.284
0.190
0.097
0.00355

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 512_Z axial

DUT: C4; 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: 37.238
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 = 3.18 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: 37.238
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 = 2.34 dB A/m
BWC Factor = 0.155041 dB
Location: 2, 0, 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: 37.238
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

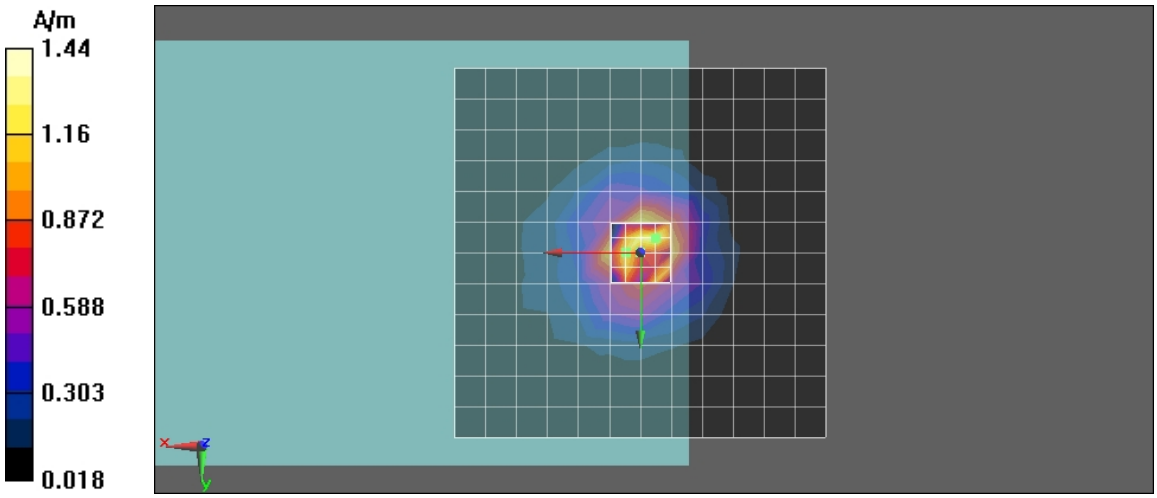
Cursor:
ABM1/ABM2 = 21.5 dB
ABM1 comp = 1.89 dB A/m
BWC Factor = 0.155041 dB
Location: -2, -2, 3.7 mm

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: 72.928
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, 3.7 mm


A/m
1.44
1.16
0.872
0.588
0.303
0.018

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 661_X longitudinal

DUT: C4; Type: Mobile Phone; Serial: N/A

Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4
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: 37.238
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.154017 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 = -4.66 dB A/m
BWC Factor = 0.154017 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: 37.238
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.154017 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 = -4.87 dB A/m
BWC Factor = 0.154017 dB
Location: 6.7, 0, 3.7 mm

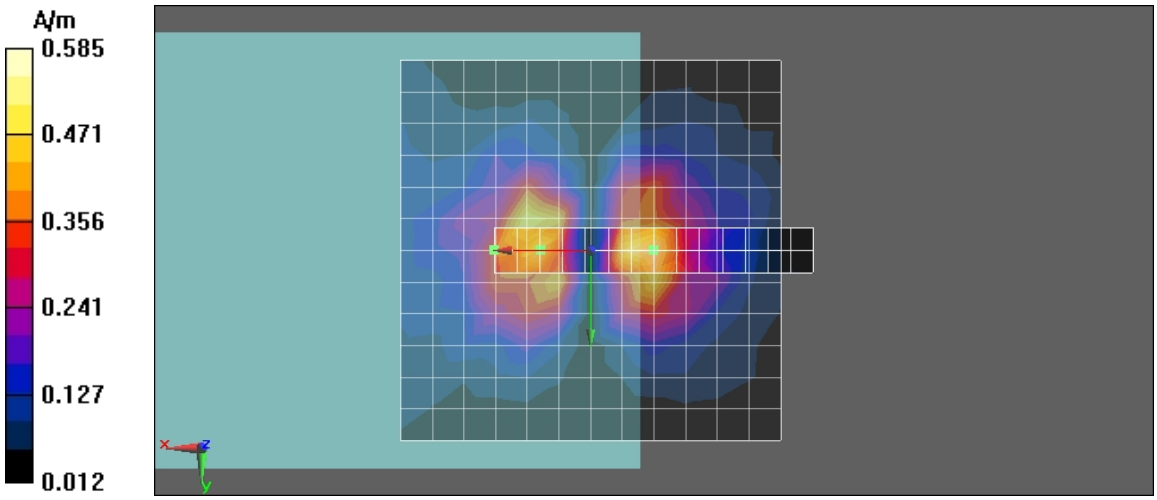
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.154017 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 = 23.9 dB
ABM1 comp = -7.92 dB A/m
BWC Factor = 0.154017 dB
Location: 12.7, 0, 3.7 mm


A/m
0.585
0.471
0.356
0.241
0.127
0.012

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 661_Y transversal

DUT: C4; Type: Mobile Phone; Serial: N/A

Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4
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: 37.238
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.154017 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 = -5.51 dB A/m
BWC Factor = 0.154017 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: 37.238
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.154017 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 = -6.54 dB A/m
BWC Factor = 0.154017 dB
Location: -3, 9.7, 3.7 mm

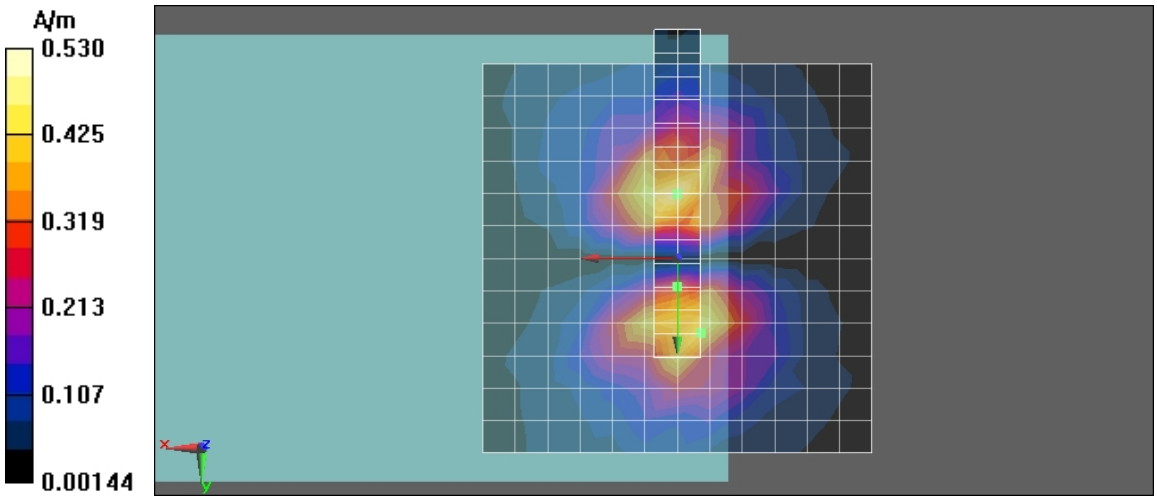
Scans/y (transversal) fine 3mm 6 x 42/ABM SNR(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.154017 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 = -9.07 dB A/m
BWC Factor = 0.154017 dB
Location: 0, 3.7, 3.7 mm


A/m
0.530
0.425
0.319
0.213
0.107
0.00144

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 661_Z axial

DUT: C4; Type: Mobile Phone; Serial: N/A

Communication System: GPRS 1900; Frequency: 1880 MHz;Duty Cycle: 1:4
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: 37.238
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.154017 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 = 1.8 dB A/m
BWC Factor = 0.154017 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: 37.238
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.154017 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 = 2.57 dB A/m
BWC Factor = 0.154017 dB
Location: 2, -0.2, 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: 37.238
Measure Window Start: 0ms
Measure Window Length: 1000ms
BWC applied: 0.154017 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

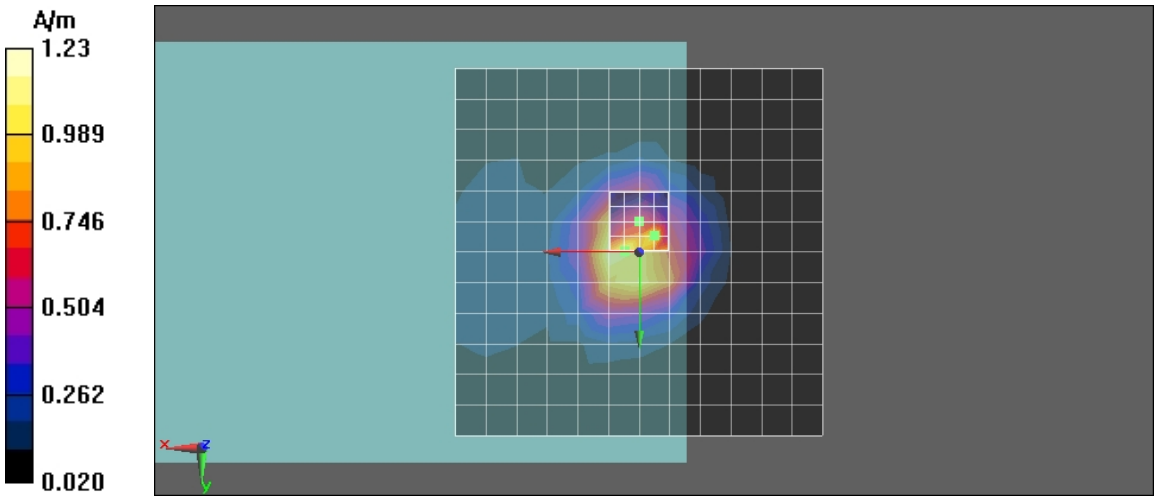
Cursor:
ABM1/ABM2 = 21.1 dB
ABM1 comp = 1.53 dB A/m
BWC Factor = 0.154017 dB
Location: -2, -2.2, 3.7 mm

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: 72.928
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 = 1.94 dB
BWC Factor = 10.8 dB
Location: -2, -2.2, 3.7 mm


A/m
1.23
0.989
0.746
0.504
0.262
0.020

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 810_X longitudinal

DUT: C4; Type: Mobile Phone; Serial: N/A

Communication System: GPRS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:4
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: 37.238
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 = -3.92 dB A/m
BWC Factor = 0.155041 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: 37.238
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 = -4.67 dB A/m
BWC Factor = 0.155041 dB
Location: 6.7, 0, 3.7 mm

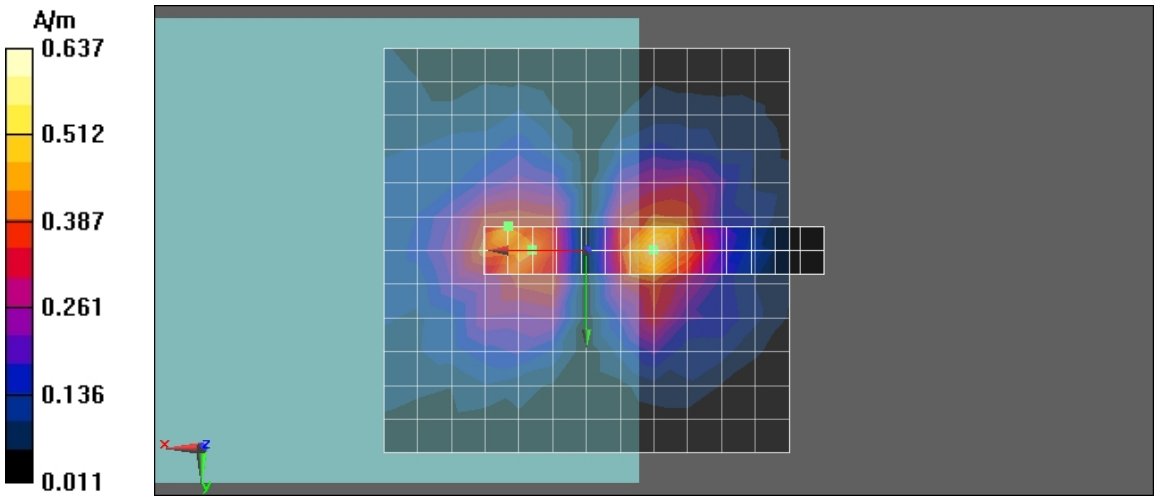
Scans/x (longitudinal) fine 3mm 42 x 6/ABM SNR(x,y,z) (15x3x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
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 = 25.7 dB
ABM1 comp = -5.66 dB A/m
BWC Factor = 0.155041 dB
Location: 9.7, -3, 3.7 mm


A/m
0.637
0.512
0.387
0.261
0.136
0.011

Test Laboratory: Compliance Certification Services Inc.

TCoil_GSM 1900_CH 810_Y transversal

DUT: C4; Type: Mobile Phone; Serial: N/A

Communication System: GPRS 1900; Frequency: 1909.8 MHz;Duty Cycle: 1:4
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: 37.238
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 = -6.65 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 Signal(x,y,z) (3x15x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 37.238
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 = -5.31 dB A/m
BWC Factor = 0.155041 dB
Location: -1.2, -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: 37.238
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 = 31.5 dB
ABM1 comp = -6.02 dB A/m
BWC Factor = 0.155041 dB
Location: -1.2, 6.7, 3.7 mm