



FCC ID: OVF-K5402
IC #: 3572A-E3100

CELL

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_CELL Ch1013 z(axial)

Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_1013/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.144967 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 50.9 dB

ABM1 comp = -0.486 dB A/m

BWC Factor = 0.144967 dB

Location: 0.4, -0.4, 3.7 mm

General Scans_1013/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.144967 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

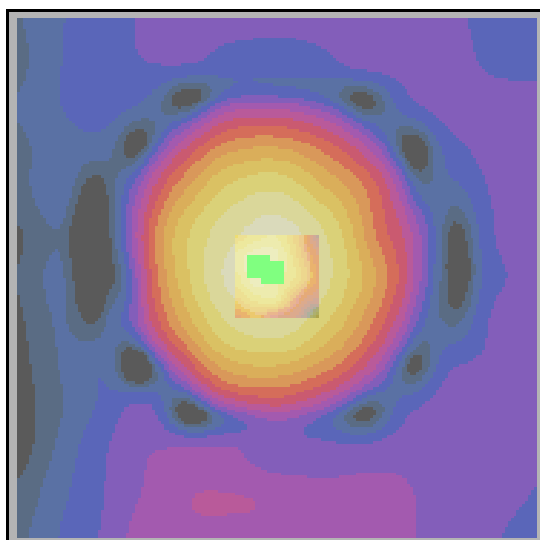
Cursor:

ABM1/ABM2 = 51.0 dB

ABM1 comp = 0.592 dB A/m

BWC Factor = 0.144967 dB

Location: 1.8, -1.2, 3.7 mm



0 dB = 350.5

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_CELL Ch1013 x(longitudinal)

Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_1013/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.144967 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

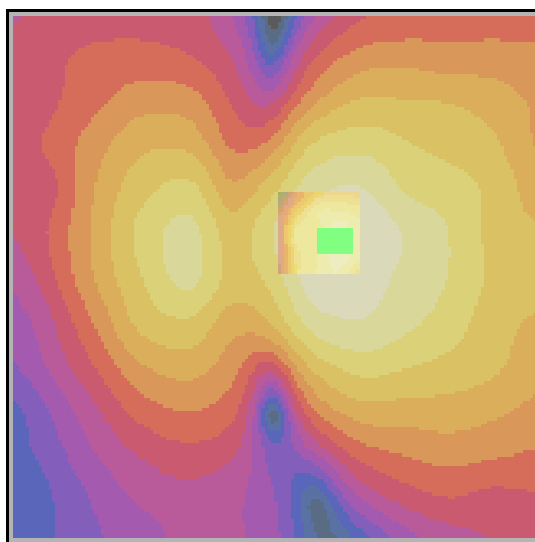
ABM1/ABM2 = 38.6 dB
ABM1 comp = -8.26 dB A/m
BWC Factor = 0.144967 dB
Location: -5.4, -3.3, 3.7 mm

General Scans_1013/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.144967 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 38.5 dB
ABM1 comp = -8.76 dB A/m
BWC Factor = 0.144967 dB
Location: -6.2, -3.6, 3.7 mm



0 dB = 84.8

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_CELL Ch1013 y(transversal)

Communication System: CDMA-800, Frequency: 824.7 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_1013/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.144967 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 48.0 dB

ABM1 comp = -7.75 dB A/m

BWC Factor = 0.144967 dB

Location: 2.5, 4.6, 3.7 mm

General Scans_1013/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.144967 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

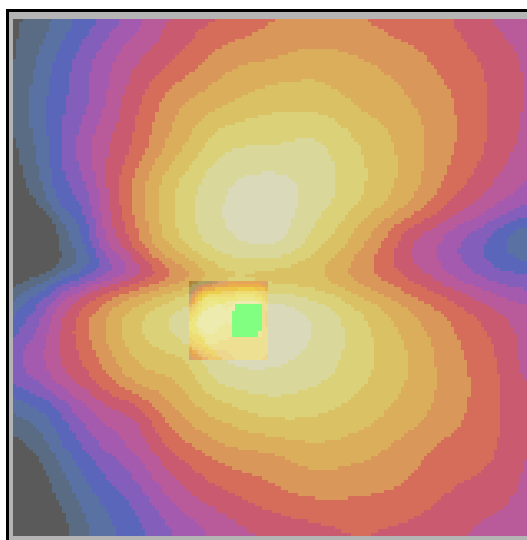
Cursor:

ABM1/ABM2 = 47.3 dB

ABM1 comp = -8.08 dB A/m

BWC Factor = 0.144967 dB

Location: 2.4, 3.8, 3.7 mm



0 dB = 250.0

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_CELLCh383 z(axial)

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_383/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

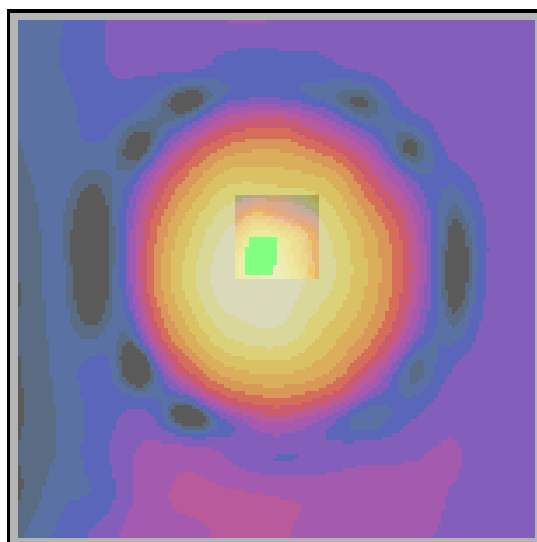
ABM1/ABM2 = 49.7 dB
ABM1 comp = -1.20 dB A/m
BWC Factor = 0.144027 dB
Location: 1.3, -2.9, 3.7 mm

General Scans_383/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 51.0 dB
ABM1 comp = 0.578 dB A/m
BWC Factor = 0.144027 dB
Location: 1.8, -2, 3.7 mm



0 dB = 306.6

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_CELL Ch383 x(longitudinal)

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_383/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 38.6 dB

ABM1 comp = -8.08 dB A/m

BWC Factor = 0.144027 dB

Location: -5.4, -2.9, 3.7 mm

General Scans_383/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

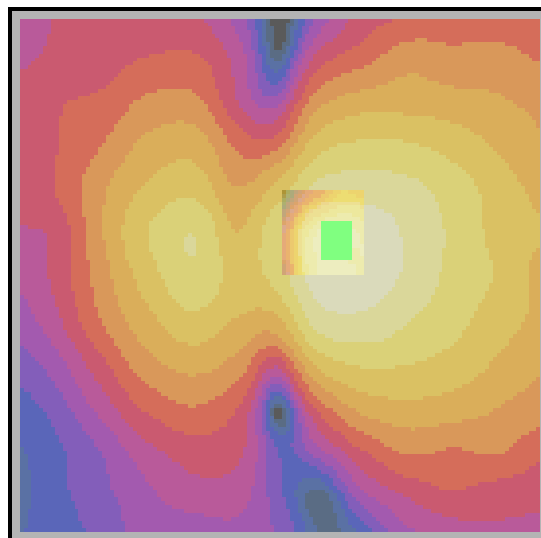
Cursor:

ABM1/ABM2 = 38.1 dB

ABM1 comp = -8.84 dB A/m

BWC Factor = 0.144027 dB

Location: -5.6, -4, 3.7 mm



0 dB = 85.5

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_CELL Ch383 y(transversal)

Communication System: CDMA-800, Frequency: 836.49 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_383/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

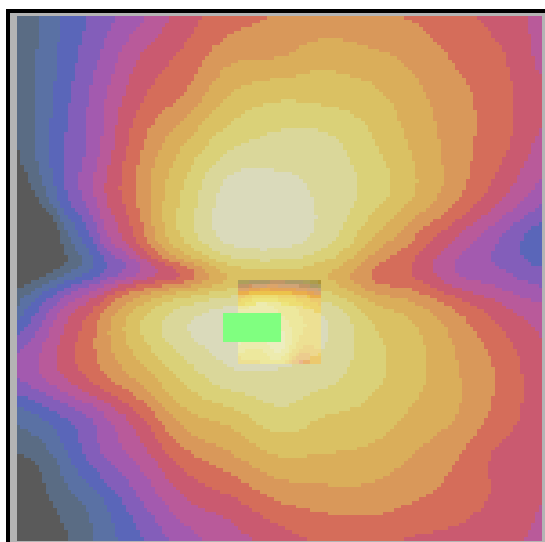
ABM1/ABM2 = 47.0 dB
ABM1 comp = -8.28 dB A/m
BWC Factor = 0.144027 dB
Location: 1.3, 4.6, 3.7 mm

General Scans_383/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 47.4 dB
ABM1 comp = -8.29 dB A/m
BWC Factor = 0.144027 dB
Location: 4, 4.8, 3.7 mm



0 dB = 224.4

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_CELL Ch777 z(axial)

Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_777/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 50.9 dB

ABM1 comp = -0.043 dB A/m

BWC Factor = 0.144027 dB

Location: 0.8, -0.8, 3.7 mm

General Scans_777/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

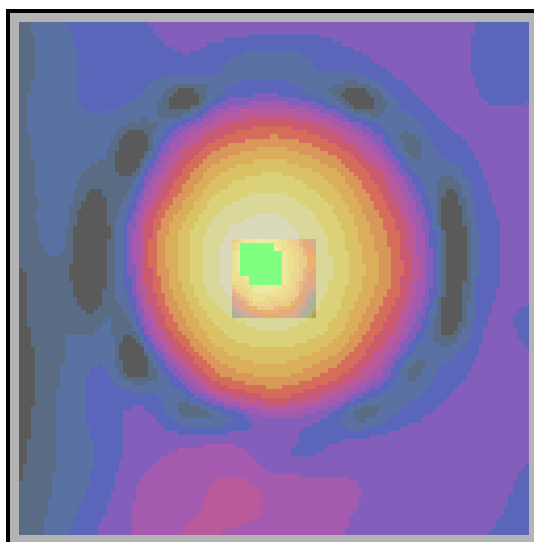
Cursor:

ABM1/ABM2 = 51.3 dB

ABM1 comp = 0.721 dB A/m

BWC Factor = 0.144027 dB

Location: 1.8, -2, 3.7 mm



0 dB = 351.8

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_CELL Ch777 x(longitudinal)

Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_777/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

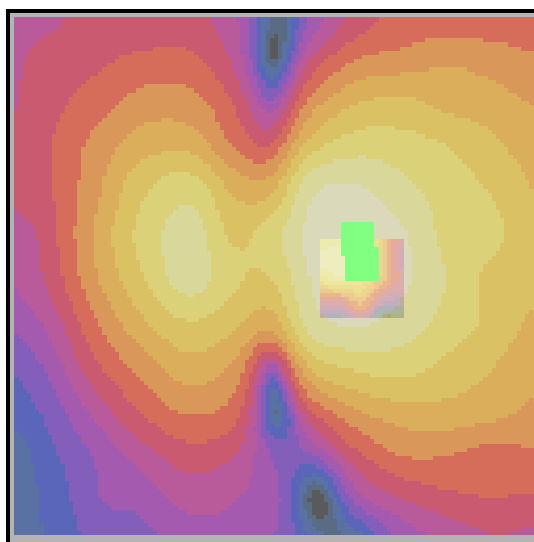
ABM1/ABM2 = 37.8 dB
ABM1 comp = -10.3 dB A/m
BWC Factor = 0.144027 dB
Location: -8.3, -1.3, 3.7 mm

General Scans_777/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 38.3 dB
ABM1 comp = -9.75 dB A/m
BWC Factor = 0.144027 dB
Location: -7.9, -4, 3.7 mm



0 dB = 77.6

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_CELL Ch777 y(transversal)

Communication System: CDMA-800, Frequency: 848.31 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_777/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

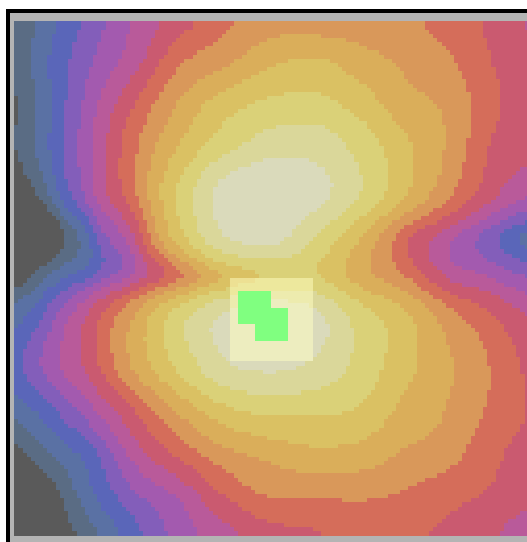
ABM1/ABM2 = 46.5 dB
ABM1 comp = -7.96 dB A/m
BWC Factor = 0.144027 dB
Location: 0, 4.6, 3.7 mm

General Scans_777/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 46.0 dB
ABM1 comp = -8.65 dB A/m
BWC Factor = 0.144027 dB
Location: 1.6, 3, 3.7 mm



0 dB = 211.4

AWS

Date: 6/7/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_AWS Ch25 z(axial)

Communication System: AWS-1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_25/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.145992 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

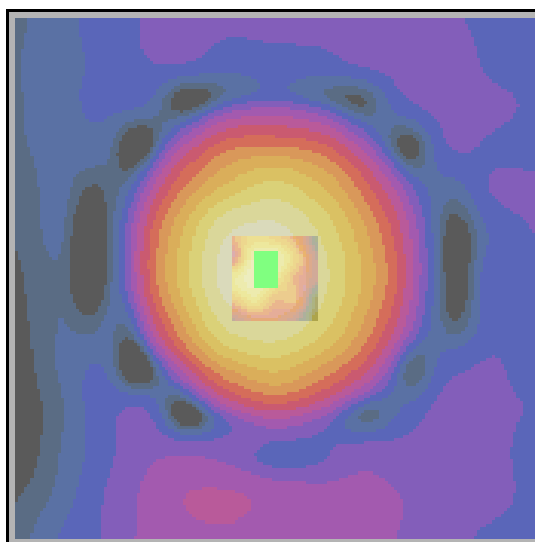
ABM1/ABM2 = 51.6 dB
ABM1 comp = 0.424 dB A/m
BWC Factor = 0.145992 dB
Location: 0.8, -0.4, 3.7 mm

General Scans_25/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.145992 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 51.4 dB
ABM1 comp = 0.356 dB A/m
BWC Factor = 0.145992 dB
Location: 1, -1.6, 3.7 mm



0 dB = 378.3

Date: 6/7/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_AWS Ch25 x(longitudinal)

Communication System: AWS-1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_25/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.145992 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

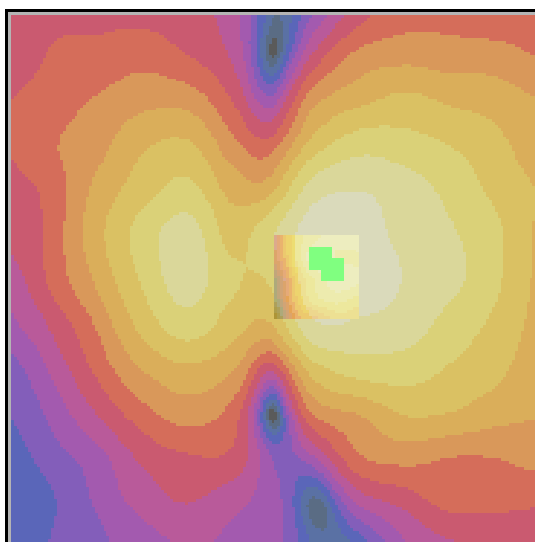
ABM1/ABM2 = 38.3 dB
ABM1 comp = -8.46 dB A/m
BWC Factor = 0.145992 dB
Location: -5.4, -0.8, 3.7 mm

General Scans_25/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.145992 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 38.4 dB
ABM1 comp = -7.97 dB A/m
BWC Factor = 0.145992 dB
Location: -4.4, -2, 3.7 mm



0 dB = 82.5

Date: 6/7/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_AWS Ch25 y(transversal)

Communication System: AWS-1700, Frequency: 1711.25 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_25/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.145992 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

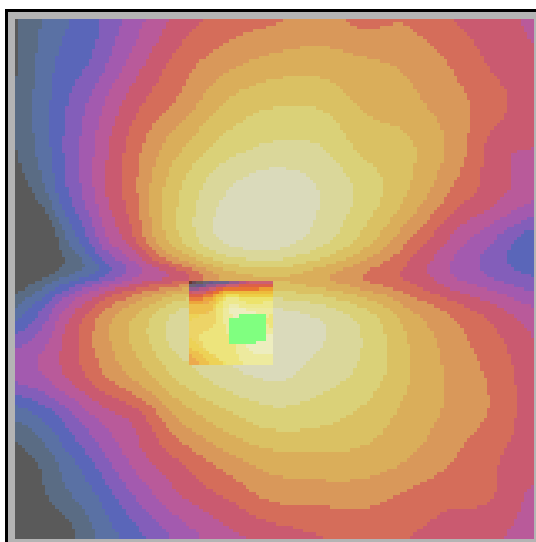
ABM1/ABM2 = 47.6 dB
ABM1 comp = -8.05 dB A/m
BWC Factor = 0.145992 dB
Location: 2.9, 5, 3.7 mm

General Scans_25/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.145992 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 47.6 dB
ABM1 comp = -8.00 dB A/m
BWC Factor = 0.145992 dB
Location: 2.2, 4.6, 3.7 mm



0 dB = 238.9

Date: 6/7/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_AWS Ch450 z(axial)

Communication System: AWS-1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_450/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 51.2 dB

ABM1 comp = -0.917 dB A/m

BWC Factor = 0.144027 dB

Location: 0.4, -0.8, 3.7 mm

General Scans_450/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

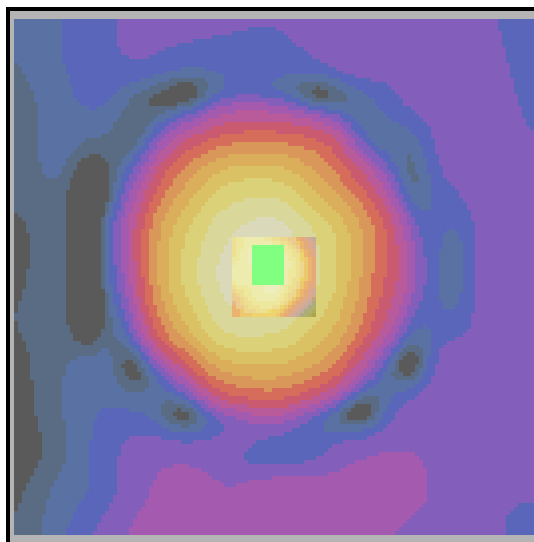
Cursor:

ABM1/ABM2 = 50.7 dB

ABM1 comp = -1.20 dB A/m

BWC Factor = 0.144027 dB

Location: 0.4, -1.4, 3.7 mm



0 dB = 364.1

Date: 6/7/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_AWS Ch450 x(longitudinal)

Communication System: AWS-1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_450/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

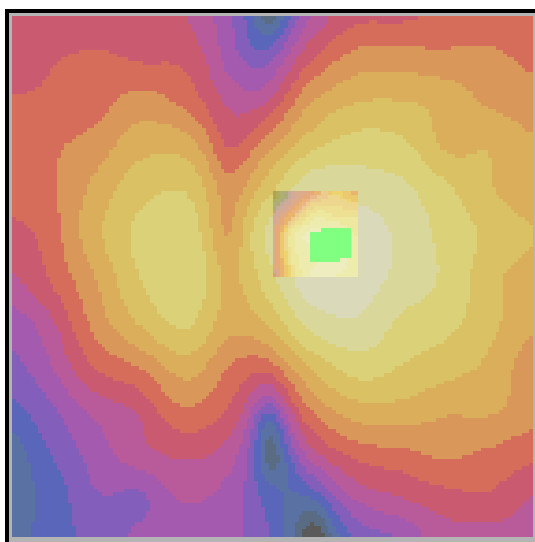
ABM1/ABM2 = 39.0 dB
ABM1 comp = -8.64 dB A/m
BWC Factor = 0.144027 dB
Location: -5, -2.9, 3.7 mm

General Scans_450/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 38.8 dB
ABM1 comp = -9.22 dB A/m
BWC Factor = 0.144027 dB
Location: -6, -3.2, 3.7 mm



0 dB = 88.7

Date: 6/7/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_AWS Ch450 y(transversal)

Communication System: AWS-1700, Frequency: 1732.5 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_450/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

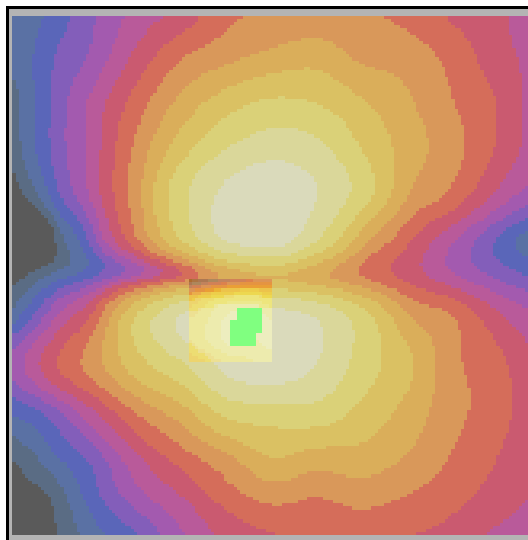
ABM1/ABM2 = 46.9 dB
ABM1 comp = -8.71 dB A/m
BWC Factor = 0.144027 dB
Location: 2.9, 5.4, 3.7 mm

General Scans_450/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 47.9 dB
ABM1 comp = -8.44 dB A/m
BWC Factor = 0.144027 dB
Location: 2.4, 4.2, 3.7 mm



0 dB = 222.5

Date: 6/7/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_AWS Ch875 z(axial)

Communication System: AWS-1700, Frequency: 1753.75 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_875/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 50.8 dB

ABM1 comp = -0.865 dB A/m

BWC Factor = 0.144027 dB

Location: 0.8, -0.8, 3.7 mm

General Scans_875/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

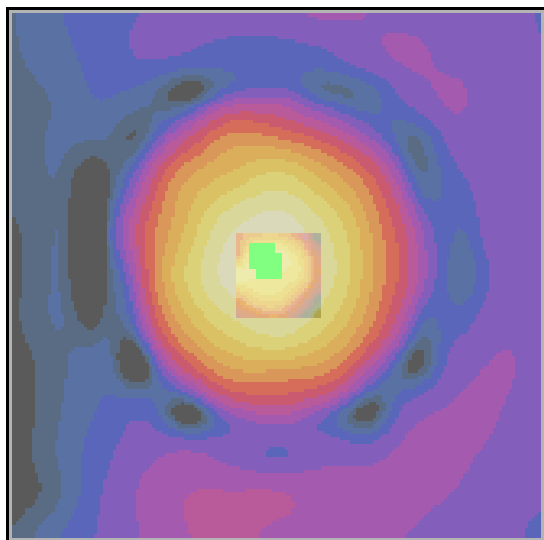
Cursor:

ABM1/ABM2 = 51.1 dB

ABM1 comp = -0.139 dB A/m

BWC Factor = 0.144027 dB

Location: 1.6, -1.8, 3.7 mm



0 dB = 345.5

Date: 6/7/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_AWS Ch875 x(longitudinal)

Communication System: AWS-1700, Frequency: 1753.75 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_875/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 39.4 dB

ABM1 comp = -8.21 dB A/m

BWC Factor = 0.144027 dB

Location: -5.4, -3.3, 3.7 mm

General Scans_875/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

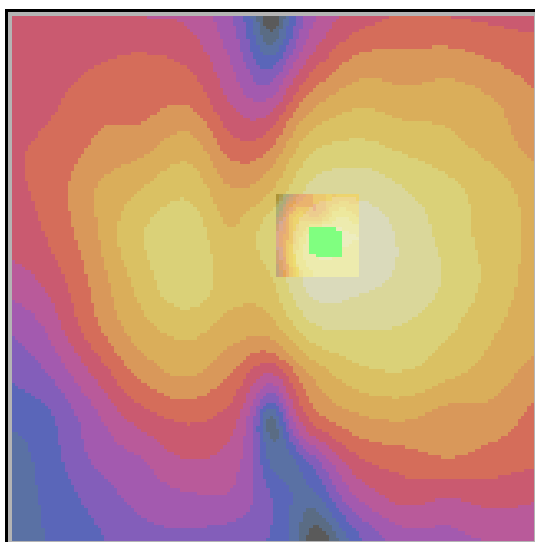
Cursor:

ABM1/ABM2 = 39.0 dB

ABM1 comp = -8.25 dB A/m

BWC Factor = 0.144027 dB

Location: -4.6, -3.8, 3.7 mm



0 dB = 92.9

Date: 6/7/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_AWS Ch875 y(transversal)

Communication System: AWS-1700, Frequency: 1753.75 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

General Scans_875/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 46.8 dB

ABM1 comp = -8.99 dB A/m

BWC Factor = 0.144027 dB

Location: 1.3, 4.6, 3.7 mm

General Scans_875/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

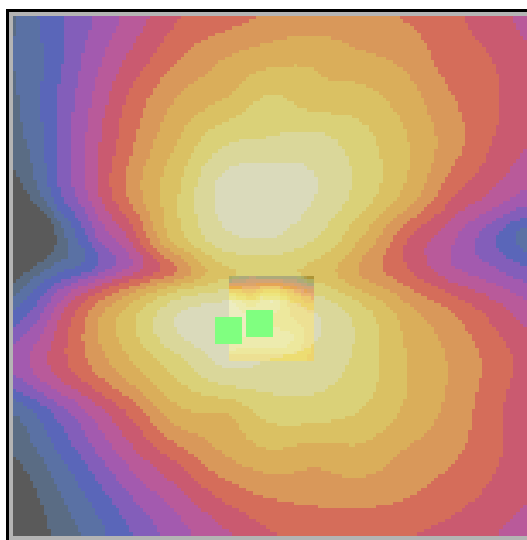
Cursor:

ABM1/ABM2 = 46.8 dB

ABM1 comp = -8.64 dB A/m

BWC Factor = 0.144027 dB

Location: 4, 5.2, 3.7 mm



0 dB = 219.0

PCS

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_PCS Ch25 z(axial)

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_25/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

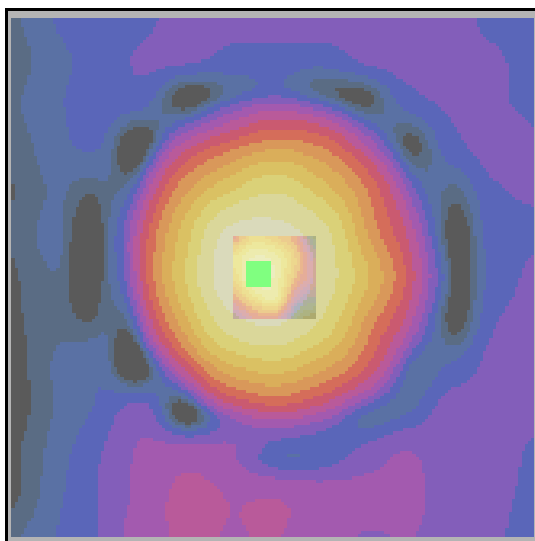
ABM1/ABM2 = 50.6 dB
ABM1 comp = -0.256 dB A/m
BWC Factor = 0.144027 dB
Location: 1.7, -0.4, 3.7 mm

General Scans_25/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 51.3 dB
ABM1 comp = 0.556 dB A/m
BWC Factor = 0.144027 dB
Location: 1.6, -0.4, 3.7 mm



0 dB = 338.5

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_PCS Ch25 x(longitudinal)

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_25/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

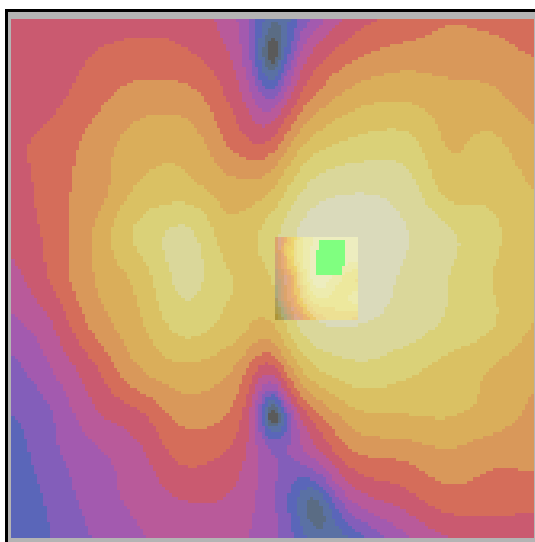
ABM1/ABM2 = 38.1 dB
ABM1 comp = -8.74 dB A/m
BWC Factor = 0.144027 dB
Location: -5.4, -1.7, 3.7 mm

General Scans_25/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 38.2 dB
ABM1 comp = -8.76 dB A/m
BWC Factor = 0.144027 dB
Location: -5.6, -2.4, 3.7 mm



0 dB = 80.8

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_PCS Ch25 y(transversal)

Communication System: CDMA-1900, Frequency: 1851.25 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_25/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 47.4 dB

ABM1 comp = -8.45 dB A/m

BWC Factor = 0.144027 dB

Location: 0.4, 5, 3.7 mm

General Scans_25/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

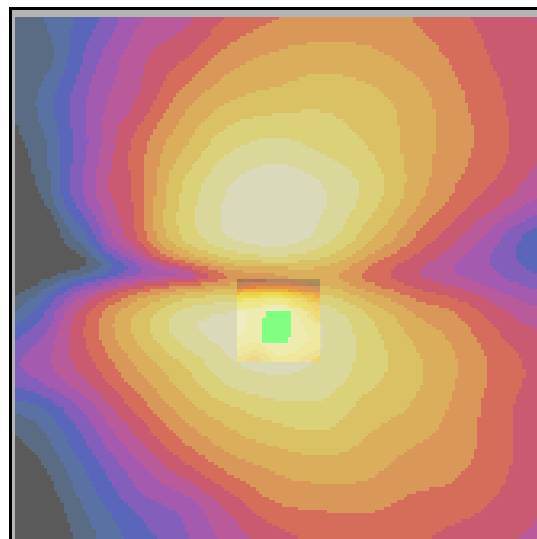
Cursor:

ABM1/ABM2 = 47.5 dB

ABM1 comp = -8.87 dB A/m

BWC Factor = 0.144027 dB

Location: 0, 4.4, 3.7 mm



0 dB = 233.9

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_PCS Ch600 z(axial)

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_600/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.141977 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 50.2 dB

ABM1 comp = -0.438 dB A/m

BWC Factor = 0.141977 dB

Location: 1.3, -0.8, 3.7 mm

General Scans_600/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.141977 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

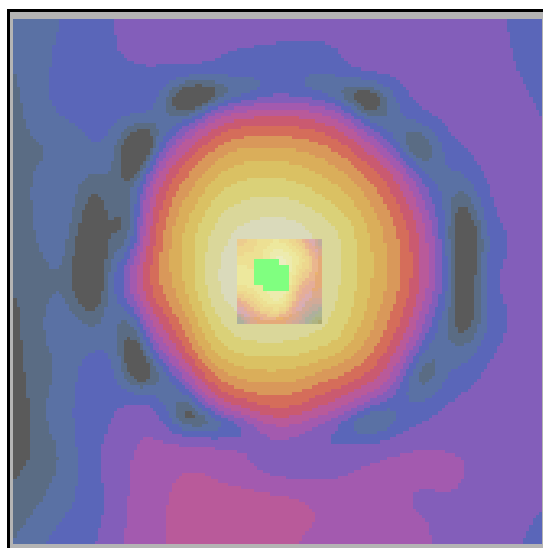
Cursor:

ABM1/ABM2 = 51.0 dB

ABM1 comp = -0.272 dB A/m

BWC Factor = 0.141977 dB

Location: 0.2, -0.4, 3.7 mm



0 dB = 325.0

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_PCS Ch600 x(longitudinal)

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_600/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.141977 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

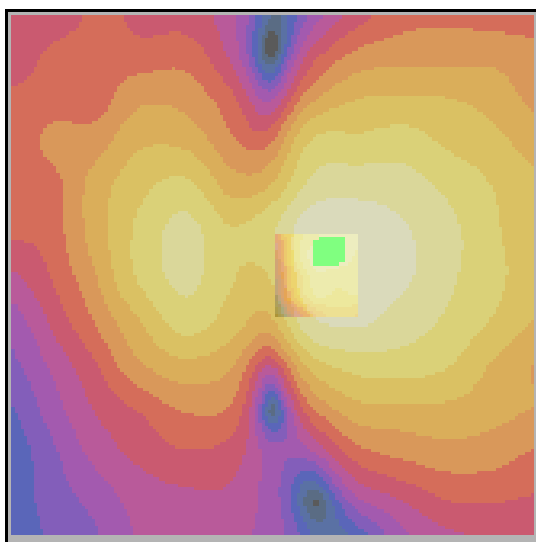
ABM1/ABM2 = 38.6 dB
ABM1 comp = -8.37 dB A/m
BWC Factor = 0.141977 dB
Location: -5, -2.1, 3.7 mm

General Scans_600/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.141977 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 38.9 dB
ABM1 comp = -8.36 dB A/m
BWC Factor = 0.141977 dB
Location: -5.8, -2.4, 3.7 mm



0 dB = 85.3

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_PCS Ch600 y(transversal)

Communication System: CDMA-1900, Frequency: 1880 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_600/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.141977 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 47.6 dB

ABM1 comp = -8.01 dB A/m

BWC Factor = 0.141977 dB

Location: 3.3, 4.6, 3.7 mm

General Scans_600/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.141977 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

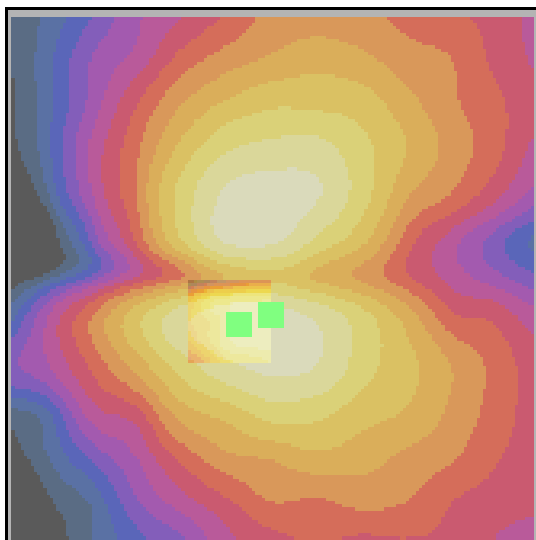
Cursor:

ABM1/ABM2 = 48.0 dB

ABM1 comp = -8.77 dB A/m

BWC Factor = 0.141977 dB

Location: 0.2, 3.6, 3.7 mm



0 dB = 240.0

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_PCS Ch1175 z(axial)

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602, Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_1175/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

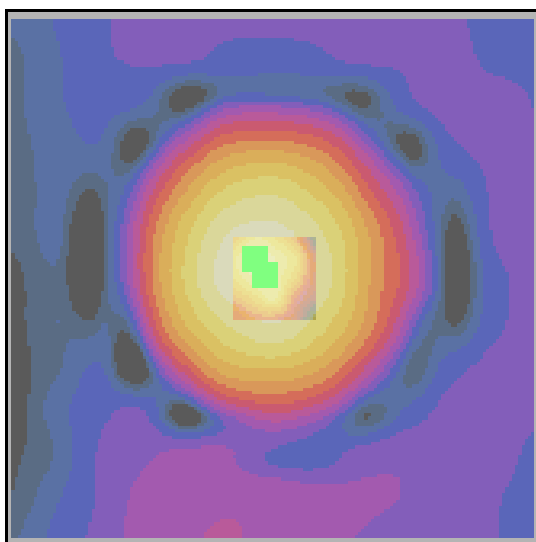
ABM1/ABM2 = 51.1 dB
ABM1 comp = -0.663 dB A/m
BWC Factor = 0.144027 dB
Location: 0.8, -0.4, 3.7 mm

General Scans_1175/z (axial) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 51.5 dB
ABM1 comp = 0.436 dB A/m
BWC Factor = 0.144027 dB
Location: 1.8, -1.8, 3.7 mm



0 dB = 357.4

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_PCS Ch1175 x(longitudinal)

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1

Medium: T-Coil, Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom: HAC Test Arch with AMCC, Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn602, Calibrated: 6/17/2009

Measurement SW: DASY4, V4.7 Build 80

Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8 ± 1 deg C, Liquid T = 22.0 ± 1 deg C

General Scans_1175/x (longitudinal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 38.7 dB

ABM1 comp = -8.11 dB A/m

BWC Factor = 0.144027 dB

Location: -5, -2.9, 3.7 mm

General Scans_1175/x (longitudinal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 28.58

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 0.144027 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

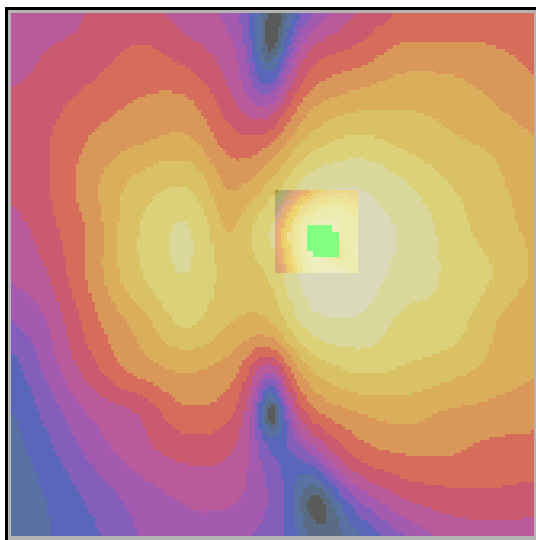
Cursor:

ABM1/ABM2 = 38.3 dB

ABM1 comp = -8.44 dB A/m

BWC Factor = 0.144027 dB

Location: -4.4, -3.6, 3.7 mm



0 dB = 86.4

Date: 6/4/2010

Test Laboratory: Kyocera

TCoil_FCC E3100_PCS Ch1175 y(transversal)

Communication System: CDMA-1900, Frequency: 1908.75 MHz, Duty Cycle: 1:1
Medium: T-Coil,Medium parameters used: $\sigma = 0$ mho/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom: HAC Test Arch with AMCC,Phantom section: TCoil Section

DASY4 Configuration:

Probe: AM1DV2 - 1045, , Calibrated: 9/22/2009
Sensor-Surface: 0mm (Fix Surface),
Electronics: DAE4 Sn602,Calibrated: 6/17/2009
Measurement SW: DASY4, V4.7 Build 80
Postprocessing SW: SEMCAD, V1.8 Build 186

Temperature:

Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

General Scans_1175/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

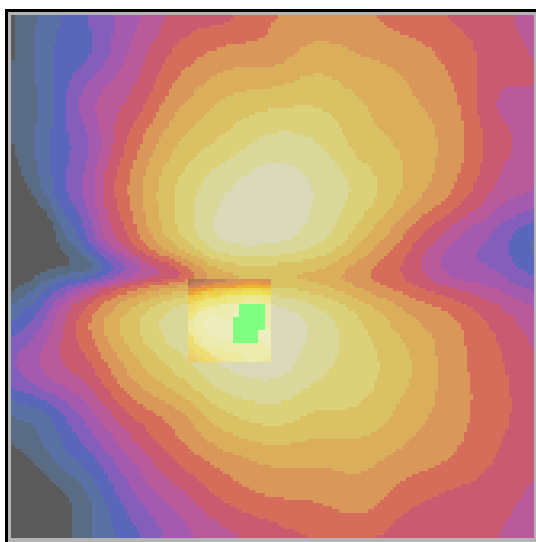
ABM1/ABM2 = 47.7 dB
ABM1 comp = -7.64 dB A/m
BWC Factor = 0.144027 dB
Location: 2.5, 5, 3.7 mm

General Scans_1175/y (transversal) fine 2mm 8 x 8/ABM Interpolated SNR(x,y,z) (41x41x1):

Measurement grid: dx=10mm, dy=10mm
Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav
Output Gain: 28.58
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 0.144027 dB
Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 48.3 dB
ABM1 comp = -8.02 dB A/m
BWC Factor = 0.144027 dB
Location: 2.1, 3.7, 3.7 mm



0 dB = 244.0