

Test Laboratory: KWC

Date: 11/13/2009

TCoil_2007_FCC K33BIC-04 PCS only_111309

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 Sn530, Calibrated: 3/12/2009
 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
 BWC applied: 0.155979 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

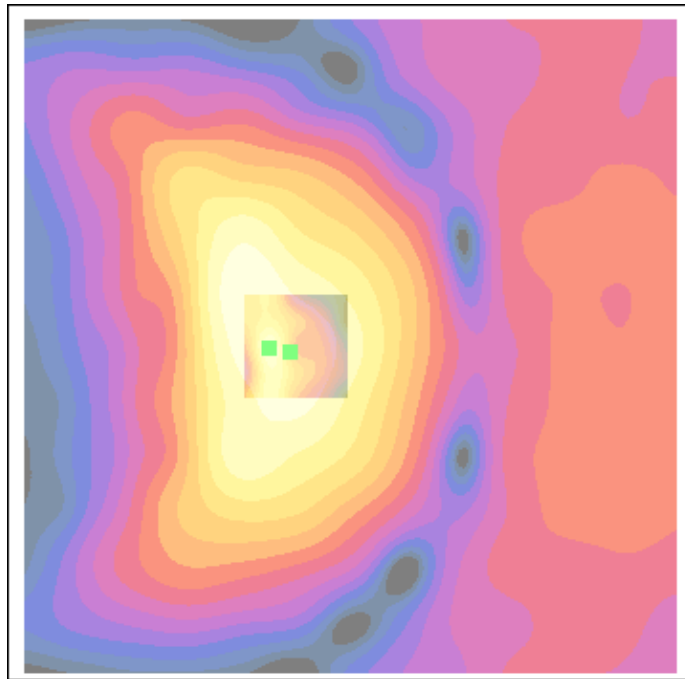
ABM1/ABM2 = 49.3 dB
 ABM1 comp = -1.81 dB A/m
 BWC Factor = 0.155979 dB
 Location: 4.6, 0.4, 3.7 mm

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
 BWC applied: 0.155979 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 50.8 dB
 ABM1 comp = -2.64 dB A/m
 BWC Factor = 0.155979 dB
 Location: 6.2, 0.2, 3.7 mm



0 dB = 292.2

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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 Sn530, Calibrated: 3/12/2009

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

BWC applied: 0.155979 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 37.2 dB

ABM1 comp = -8.73 dB A/m

BWC Factor = 0.155979 dB

Location: -8.3, -0.4, 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

BWC applied: 0.155979 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

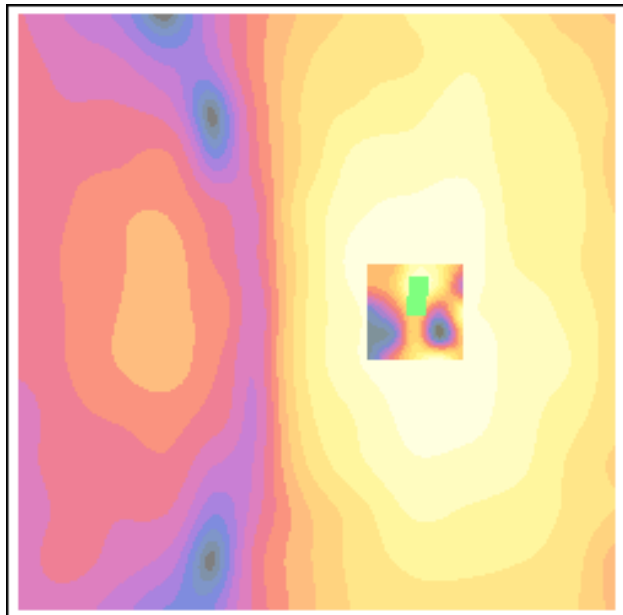
Cursor:

ABM1/ABM2 = 37.0 dB

ABM1 comp = -9.22 dB A/m

BWC Factor = 0.155979 dB

Location: -8.5, -2.2, 3.7 mm



0 dB = 72.8

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TCoil_2007_FCC K33BIC-04 PCS only_111309

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 Sn530, Calibrated: 3/12/2009
 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
 BWC applied: 0.155979 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

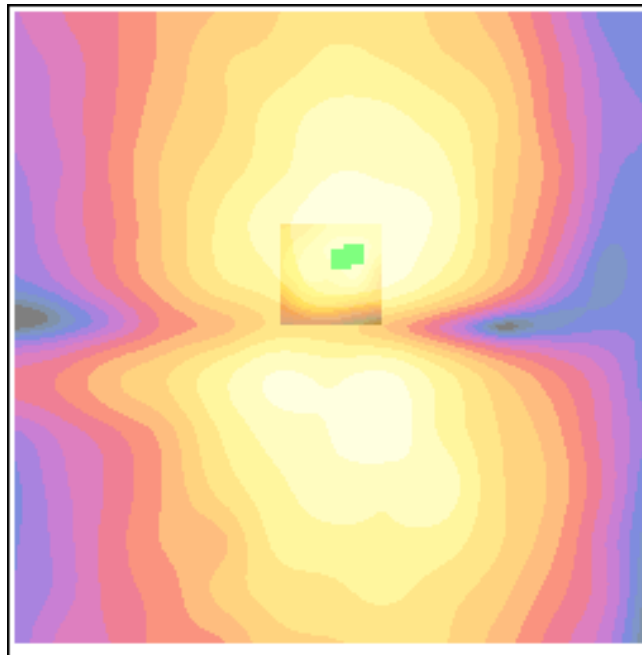
ABM1/ABM2 = 41.7 dB
 ABM1 comp = -12.0 dB A/m
 BWC Factor = 0.155979 dB
 Location: -0.8, -5.4, 3.7 mm

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
 BWC applied: 0.155979 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 41.5 dB
 ABM1 comp = -12.6 dB A/m
 BWC Factor = 0.155979 dB
 Location: -1.8, -5.8, 3.7 mm



0 dB = 121.7

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TCoil_2007_FCC K33BIC-04 PCS only_111309

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 Sn530, Calibrated: 3/12/2009
 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
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

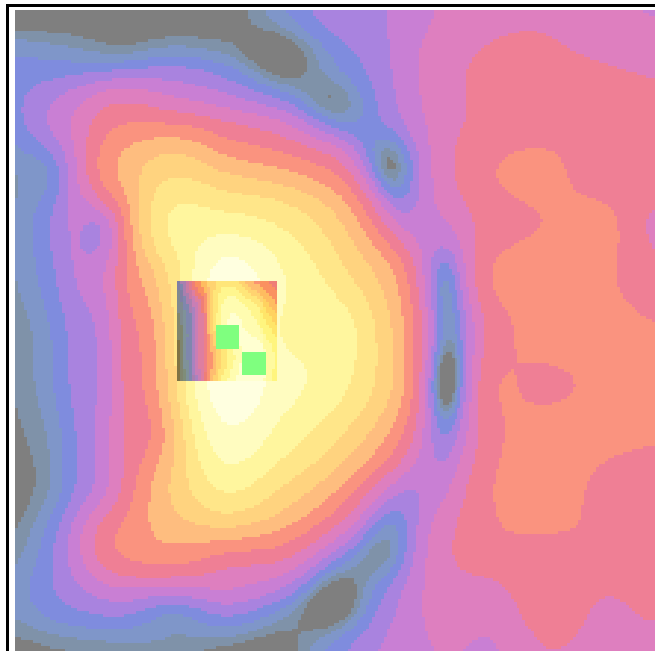
ABM1/ABM2 = 50.7 dB
 ABM1 comp = -2.10 dB A/m
 BWC Factor = 0.155041 dB
 Location: 8.3, 0.4, 3.7 mm

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
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 51.9 dB
 ABM1 comp = -0.948 dB A/m
 BWC Factor = 0.155041 dB
 Location: 6.3, 2.6, 3.7 mm



0 dB = 342.6

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TCoil_2007_FCC K33BIC-04 PCS only_111309

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 Sn530, Calibrated: 3/12/2009

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

BWC applied: 0.155041 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 38.3 dB

ABM1 comp = -8.77 dB A/m

BWC Factor = 0.155041 dB

Location: -8.7, 0, 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

BWC applied: 0.155041 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

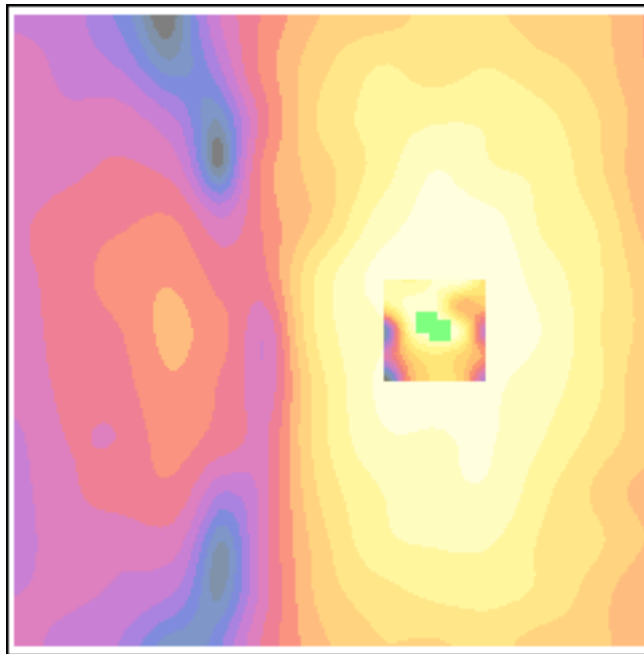
Cursor:

ABM1/ABM2 = 38.6 dB

ABM1 comp = -7.73 dB A/m

BWC Factor = 0.155041 dB

Location: -7.7, -0.6, 3.7 mm



0 dB = 82.5

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TCoil_2007_FCC K33BIC-04 PCS only_111309

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 Sn530, Calibrated: 3/12/2009
 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
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

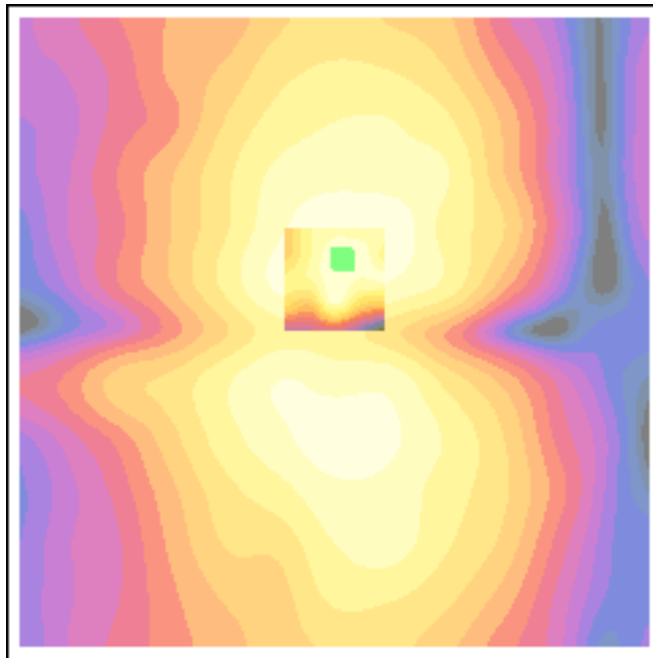
ABM1/ABM2 = 42.9 dB
 ABM1 comp = -10.5 dB A/m
 BWC Factor = 0.155041 dB
 Location: -0.4, -5.8, 3.7 mm

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
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 42.7 dB
 ABM1 comp = -11.0 dB A/m
 BWC Factor = 0.155041 dB
 Location: -0.8, -5.8, 3.7 mm



0 dB = 140.3

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TCoil_2007_FCC K33BIC-04 PCS only_111309

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 Sn530, Calibrated: 3/12/2009
 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
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

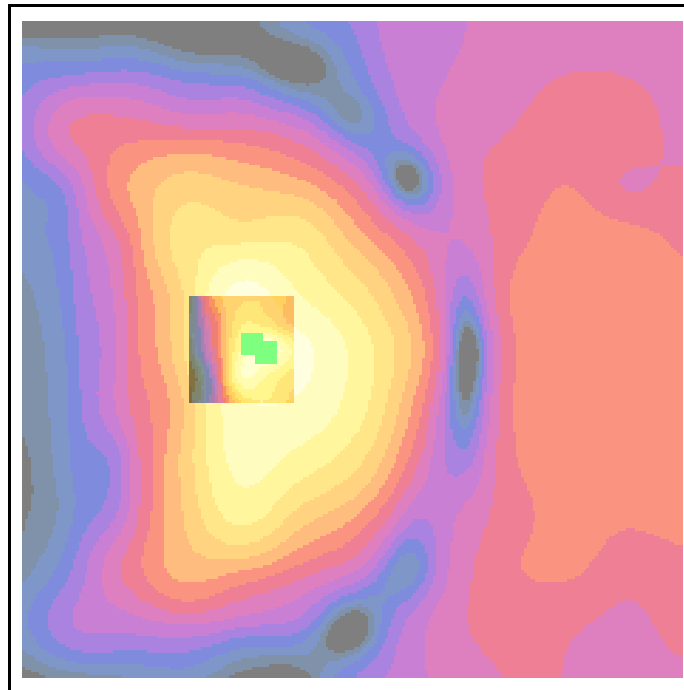
ABM1/ABM2 = 50.6 dB
 ABM1 comp = -1.94 dB A/m
 BWC Factor = 0.155041 dB
 Location: 7.5, -0.4, 3.7 mm

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
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 51.9 dB
 ABM1 comp = -0.775 dB A/m
 BWC Factor = 0.155041 dB
 Location: 6.5, 0.2, 3.7 mm



0 dB = 339.1

Test Laboratory: KWC

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TCoil_2007_FCC K33BIC-04 PCS only_111309

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 Sn530, Calibrated: 3/12/2009
 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
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

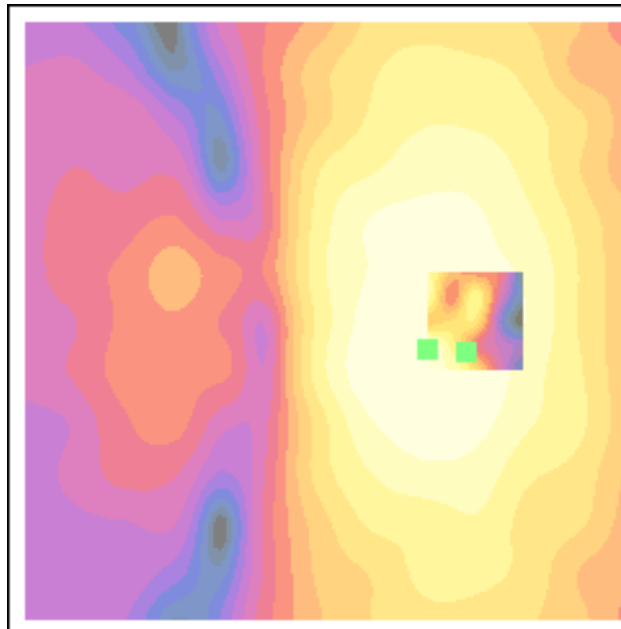
ABM1/ABM2 = 37.9 dB
 ABM1 comp = -11.4 dB A/m
 BWC Factor = 0.155041 dB
 Location: -11.7, 2.5, 3.7 mm

**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
 BWC applied: 0.155041 dB
 Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 38.4 dB
 ABM1 comp = -8.31 dB A/m
 BWC Factor = 0.155041 dB
 Location: -8.5, 2.4, 3.7 mm



0 dB = 79.0

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TCoil_2007_FCC K33BIC-04 PCS only_111309

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 Sn530, Calibrated: 3/12/2009

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/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

BWC applied: 0.155041 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

Cursor:

ABM1/ABM2 = 43.3 dB

ABM1 comp = -11.2 dB A/m

BWC Factor = 0.155041 dB

Location: -1.2, -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

BWC applied: 0.155041 dB

Device Reference Point: 0.000, 0.000, -6.30 mm

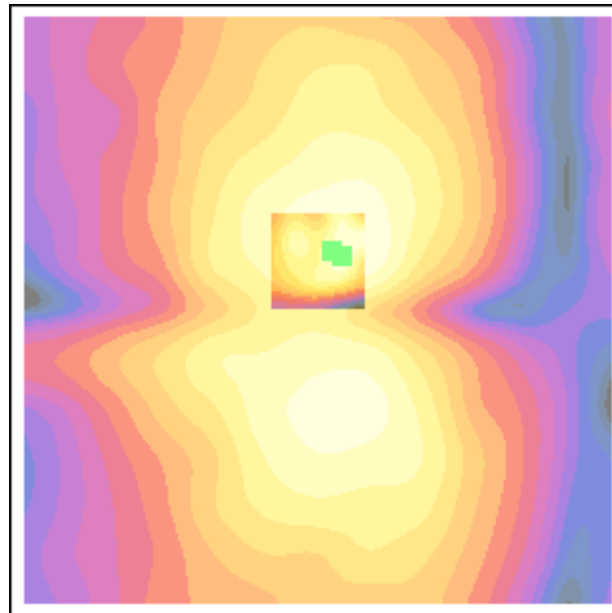
Cursor:

ABM1/ABM2 = 42.5 dB

ABM1 comp = -12.7 dB A/m

BWC Factor = 0.155041 dB

Location: -2, -4.6, 3.7 mm



0 dB = 145.8