

Date: 9/14/2009

**Test Laboratory: Kyocera Wireless Corporation**

**K33BIC-06 #1610 Tcoil\_ST2007\_CDMA800**

Communication System: CDMA, Frequency: 836.49 MHz, Duty Cycle: 1:1  
Medium: T-Coil, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom: HAC Test Arch with Coil, Phantom section: AMB with Coil Section

**DASY4 Configuration:**

Probe: AM1DV2 - 1045, , Calibrated: 9/18/2008

Sensor-Surface: 0mm (Fix Surface),

Electronics: DAE4 Sn530, Calibrated: 3/12/2009

Measurement SW: DASY4, V4.7 Build 71

Postprocessing SW: SEMCAD, V1.8 Build 184

**Temperature:** Room T = 21.8̄ 1 deg C, Liquid T = 22.0̄ 1 deg C

**Scans CH383/z (axial) rough 50 x 50/ABM SNR(x,y,z) (6x6x1):**

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

Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 49.8 dB

ABM1 comp = -4.07 dB A/m

BWC Factor = 0.0148402 dB

Location: 5, -5, 363.7 mm

**Scans CH383/z (axial) 16 x 16/ABM SNR(x,y,z) (5x5x1):**

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

Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 50.7 dB

ABM1 comp = -2.93 dB A/m

BWC Factor = 0.0148402 dB

Location: 5, 3, 363.7 mm

**Scans CH383/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):**

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

Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

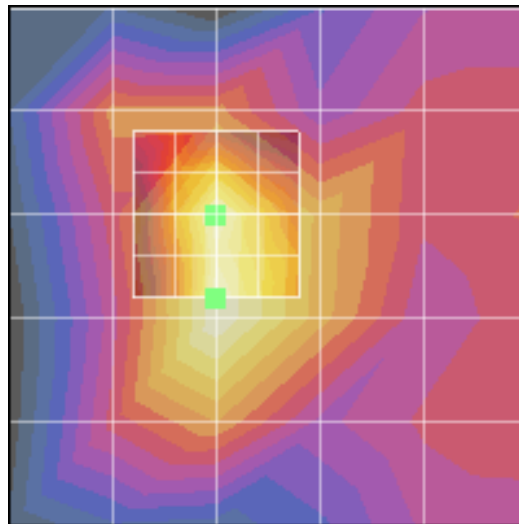
**Cursor:**

ABM1/ABM2 = 50.5 dB

ABM1 comp = -3.50 dB A/m

BWC Factor = 0.0148402 dB

Location: 5, 3, 363.7 mm



0 dB = 307.6

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**K33BIC-06 #1610 Tcoil\_ST2007\_CDMA800**

Communication System: CDMA, Frequency: 836.49 MHz, Duty Cycle: 1:1  
Medium: T-Coil, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom: HAC Test Arch with Coil, Phantom section: AMB with Coil Section

**DASY4 Configuration:**

Probe: AM1DV2 - 1045, , Calibrated: 9/18/2008  
Sensor-Surface: 0mm (Fix Surface),  
Electronics: DAE4 Sn530, Calibrated: 3/12/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184  
**Temperature:** Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

**Scans CH383/x (longitudinal) rough 50 x 50/ABM SNR(x,y,z) (6x6x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 36.0 dB  
ABM1 comp = -12.9 dB A/m  
BWC Factor = 0.0148402 dB  
Location: -15, 5, 363.7 mm

**Scans CH383/x (longitudinal) 24 x 16/ABM SNR(x,y,z) (7x5x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

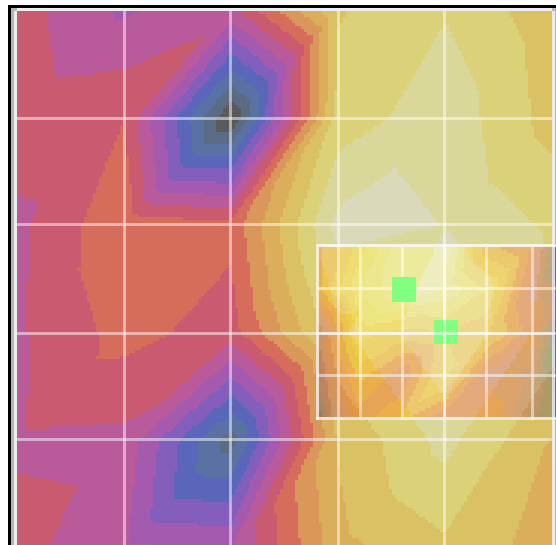
ABM1/ABM2 = 38.0 dB  
ABM1 comp = -8.00 dB A/m  
BWC Factor = 0.0148402 dB  
Location: -11, 1, 363.7 mm

**Scans CH383/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 35.8 dB  
ABM1 comp = -10.2 dB A/m  
BWC Factor = 0.0148402 dB  
Location: -11, 1, 363.7 mm



0 dB = 62.8

Date: 9/14/2009

**Test Laboratory: Kyocera Wireless Corporation**

**K33BIC-06 #1610 Tcoil\_ST2007\_CDMA800**

Communication System: CDMA, Frequency: 836.49 MHz, Duty Cycle: 1:1  
Medium: T-Coil, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom: HAC Test Arch with Coil, Phantom section: AMB with Coil Section

**DASY4 Configuration:**

Probe: AM1DV2 - 1045, , Calibrated: 9/18/2008  
Sensor-Surface: 0mm (Fix Surface),  
Electronics: DAE4 Sn530, Calibrated: 3/12/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184  
**Temperature:** Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

**Scans CH383/y (transversal) rough 50 x 50/ABM SNR(x,y,z) (6x6x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 39.3 dB  
ABM1 comp = -16.7 dB A/m  
BWC Factor = 0.0148402 dB  
Location: -5, -5, 363.7 mm

**Scans CH383/y (transversal) 16 x 24/ABM SNR(x,y,z) (5x7x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

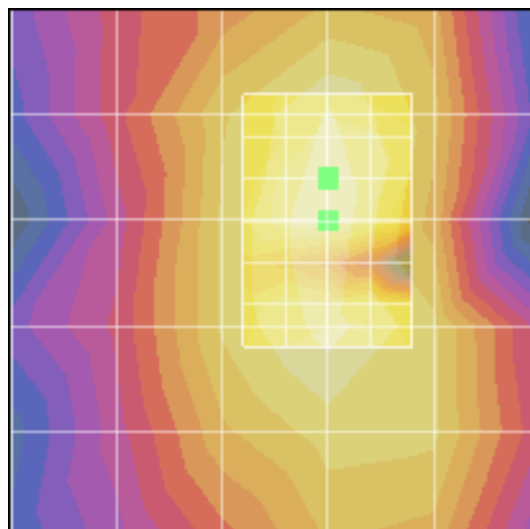
ABM1/ABM2 = 39.7 dB  
ABM1 comp = -13.8 dB A/m  
BWC Factor = 0.0148402 dB  
Location: -5, -9, 363.7 mm

**Scans CH383/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 37.2 dB  
ABM1 comp = -16.2 dB A/m  
BWC Factor = 0.0148402 dB  
Location: -5, -9, 363.7 mm



0 dB = 92.8

Date: 9/14/2009

**Test Laboratory: Kyocera Wireless Corporation**

**K33BIC-06 #1610 Tcoil\_ST2007\_CDMA1700**

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/m<sup>3</sup>  
Phantom: HAC Test Arch with Coil, Phantom section: AMB with Coil Section

**DASY4 Configuration:**

Probe: AM1DV2 - 1045, , Calibrated: 9/18/2008  
Sensor-Surface: 0mm (Fix Surface),  
Electronics: DAE4 Sn530, Calibrated: 3/12/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184  
**Temperature:** Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

**Scans CH25/z (axial) rough 50 x 50/ABM SNR(x,y,z) (6x6x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 51.3 dB  
ABM1 comp = -3.11 dB A/m  
BWC Factor = 0.0146668 dB  
Location: 5, 5, 363.7 mm

**Scans CH25/z (axial) 16 x 16/ABM SNR(x,y,z) (5x5x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

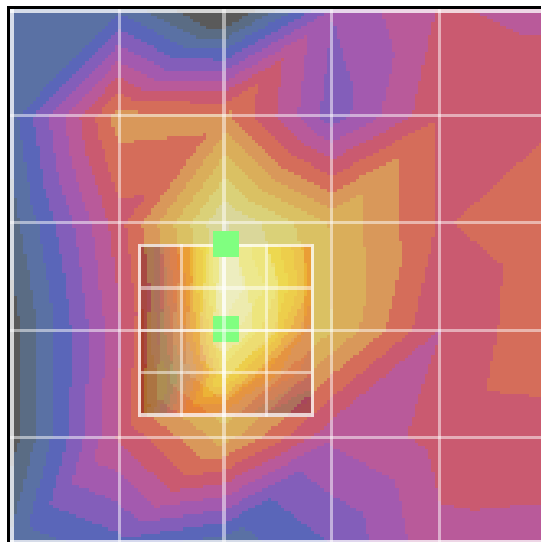
ABM1/ABM2 = 52.7 dB  
ABM1 comp = -2.39 dB A/m  
BWC Factor = 0.0146668 dB  
Location: 5, -3, 363.7 mm

**Scans CH25/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 51.7 dB  
ABM1 comp = -3.10 dB A/m  
BWC Factor = 0.0146668 dB  
Location: 5, -3, 363.7 mm



0 dB = 366.3

Date: 9/14/2009

**Test Laboratory: Kyocera Wireless Corporation**

**K33BIC-06 #1610 Tcoil\_ST2007\_CDMA1700**

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/m<sup>3</sup>  
Phantom: HAC Test Arch with Coil, Phantom section: AMB with Coil Section

**DASY4 Configuration:**

Probe: AM1DV2 - 1045, , Calibrated: 9/18/2008  
Sensor-Surface: 0mm (Fix Surface),  
Electronics: DAE4 Sn530, Calibrated: 3/12/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184  
**Temperature:** Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

**Scans CH25/x (longitudinal) rough 50 x 50/ABM SNR(x,y,z) (6x6x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 36.4 dB  
ABM1 comp = -13.2 dB A/m  
BWC Factor = 0.0146668 dB  
Location: -15, 5, 363.7 mm

**Scans CH25/x (longitudinal) 24 x 16/ABM SNR(x,y,z) (7x5x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

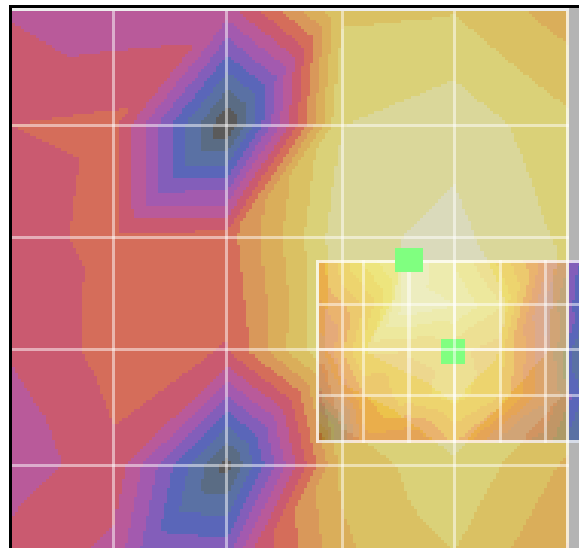
ABM1/ABM2 = 38.7 dB  
ABM1 comp = -7.51 dB A/m  
BWC Factor = 0.0146668 dB  
Location: -11, -3, 363.7 mm

**Scans CH25/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 38.5 dB  
ABM1 comp = -7.50 dB A/m  
BWC Factor = 0.0146668 dB  
Location: -11, -3, 363.7 mm



0 dB = 66.3

Date: 9/15/2009

**Test Laboratory: Kyocera Wireless Corporation**

**K33BIC-06 #1610 Tcoil\_ST2007\_CDMA1700**

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/m<sup>3</sup>  
Phantom: HAC Test Arch with Coil, Phantom section: AMB with Coil Section

**DASY4 Configuration:**

Probe: AM1DV2 - 1045, , Calibrated: 9/18/2008  
Sensor-Surface: 0mm (Fix Surface),  
Electronics: DAE4 Sn530, Calibrated: 3/12/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184  
**Temperature:** Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

**Scans CH25/y (transversal) rough 50 x 50/ABM SNR(x,y,z) (6x6x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 40.4 dB  
ABM1 comp = -15.4 dB A/m  
BWC Factor = 0.0146668 dB  
Location: -5, -5, 363.7 mm

**Scans CH25/y (transversal) 16 x 24/ABM SNR(x,y,z) (5x7x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

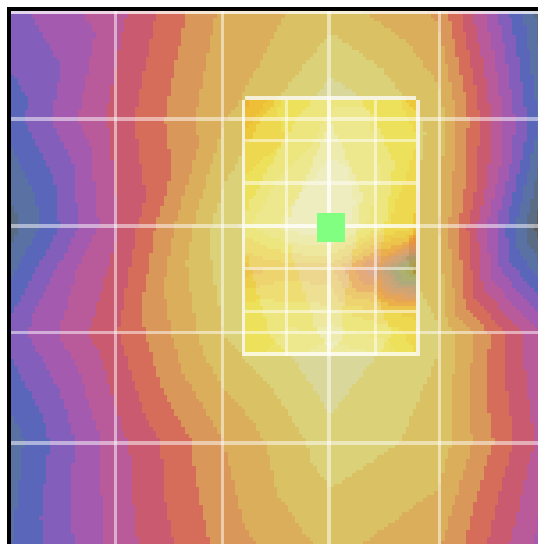
ABM1/ABM2 = 40.3 dB  
ABM1 comp = -15.5 dB A/m  
BWC Factor = 0.0146668 dB  
Location: -5, -5, 363.7 mm

**Scans CH25/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 38.3 dB  
ABM1 comp = -17.6 dB A/m  
BWC Factor = 0.0146668 dB  
Location: -5, -5, 363.7 mm



0 dB = 104.3

Date: 9/14/2009

**Test Laboratory: Kyocera Wireless Corporation**

**K33BIC-06 #1610 Tcoil\_ST2007\_CDMA1900**

Communication System: CDMA, Frequency: 1850 MHz, Duty Cycle: 1:1  
Medium: T-Coil, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom: HAC Test Arch with Coil, Phantom section: AMB with Coil Section

**DASY4 Configuration:**

Probe: AM1DV2 - 1045, , Calibrated: 9/18/2008  
Sensor-Surface: 0mm (Fix Surface),  
Electronics: DAE4 Sn530, Calibrated: 3/12/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184  
**Temperature:** Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

**Scans CH25/z (axial) rough 50 x 50/ABM SNR(x,y,z) (6x6x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 52.3 dB  
ABM1 comp = -3.56 dB A/m  
BWC Factor = 0.0149269 dB  
Location: 5, -5, 363.7 mm

**Scans CH25/z (axial) 16 x 16/ABM SNR(x,y,z) (5x5x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

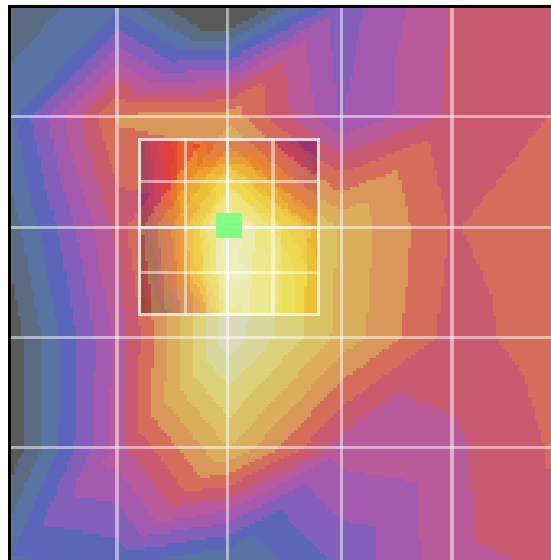
ABM1/ABM2 = 52.0 dB  
ABM1 comp = -3.86 dB A/m  
BWC Factor = 0.0149269 dB  
Location: 5, -5, 363.7 mm

**Scans CH25/z (axial) at max z/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 50.3 dB  
ABM1 comp = -5.68 dB A/m  
BWC Factor = 0.0149269 dB  
Location: 5, -5, 363.7 mm



0 dB = 411.4

Date: 9/14/2009

**Test Laboratory: Kyocera Wireless Corporation**

**K33BIC-06 #1610 Tcoil\_ST2007\_CDMA1900**

Communication System: CDMA, Frequency: 1850 MHz, Duty Cycle: 1:1  
Medium: T-Coil, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom: HAC Test Arch with Coil, Phantom section: AMB with Coil Section

**DASY4 Configuration:**

Probe: AM1DV2 - 1045, , Calibrated: 9/18/2008  
Sensor-Surface: 0mm (Fix Surface),  
Electronics: DAE4 Sn530, Calibrated: 3/12/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184  
**Temperature:** Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

**Scans CH25/x (longitudinal) rough 50 x 50/ABM SNR(x,y,z) (6x6x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 38.0 dB  
ABM1 comp = -11.6 dB A/m  
BWC Factor = 0.0149269 dB  
Location: -15, -5, 363.7 mm

**Scans CH25/x (longitudinal) 24 x 16/ABM SNR(x,y,z) (7x5x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

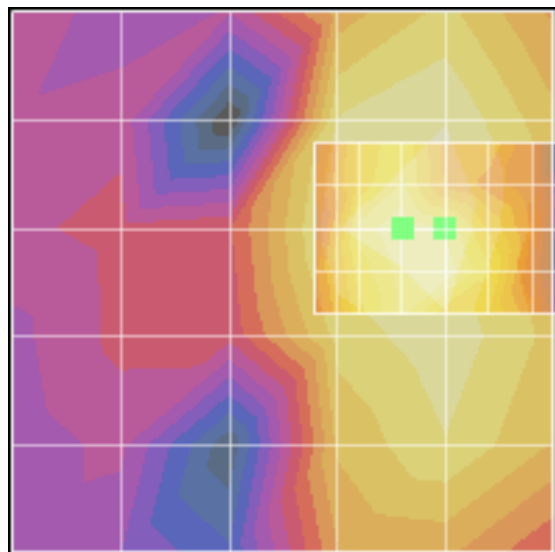
ABM1/ABM2 = 39.3 dB  
ABM1 comp = -7.24 dB A/m  
BWC Factor = 0.0149269 dB  
Location: -11, -5, 363.7 mm

**Scans CH25/x (longitudinal) at max x/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 39.0 dB  
ABM1 comp = -7.45 dB A/m  
BWC Factor = 0.0149269 dB  
Location: -11, -5, 363.7 mm



0 dB = 79.2



Date: 9/14/2009

**Test Laboratory: Kyocera Wireless Corporation**

**K33BIC-06 #1610 Tcoil\_ST2007\_CDMA1900**

Communication System: CDMA, Frequency: 1850 MHz, Duty Cycle: 1:1  
Medium: T-Coil, Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom: HAC Test Arch with Coil, Phantom section: AMB with Coil Section

**DASY4 Configuration:**

Probe: AM1DV2 - 1045, , Calibrated: 9/18/2008  
Sensor-Surface: 0mm (Fix Surface),  
Electronics: DAE4 Sn530, Calibrated: 3/12/2009  
Measurement SW: DASY4, V4.7 Build 71  
Postprocessing SW: SEMCAD, V1.8 Build 184  
**Temperature:** Room T = 21.8 +/- 1 deg C, Liquid T = 22.0 +/- 1 deg C

**Scans CH25/y (transversal) rough 50 x 50/ABM SNR(x,y,z) (6x6x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 40.2 dB  
ABM1 comp = -15.2 dB A/m  
BWC Factor = 0.0149269 dB  
Location: -5, 5, 363.7 mm

**Scans CH25/y (transversal) 16 x 24/ABM SNR(x,y,z) (5x7x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

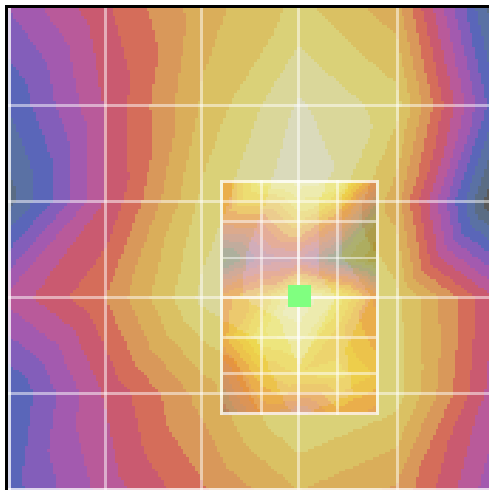
ABM1/ABM2 = 41.0 dB  
ABM1 comp = -14.7 dB A/m  
BWC Factor = 0.0149269 dB  
Location: -5, 5, 363.7 mm

**Scans CH25/y (transversal) at max y/ABM SNR(x,y,z) (1x1x1):**

Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_1.025kHz\_10s.wav

**Cursor:**

ABM1/ABM2 = 40.4 dB  
ABM1 comp = -14.9 dB A/m  
BWC Factor = 0.0149269 dB  
Location: -5, 5, 363.7 mm



0 dB = 102.6