

Test Laboratory: HUAWEI SAR/HAC Lab

**H881C-HAC(T-Coil)\_CDMA BC0-RC1 SO3-384CH****DUT: H881C; Type: CDMA 2000 Digital Mobile Phone Horizon; Serial: SAR1**

Communication System: HW-CDMA 2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3067; ; Calibrated: 2011-12-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General 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: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 2.99 dBA/m

BWC Factor = 0.13 dB

Location: 0, 0, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

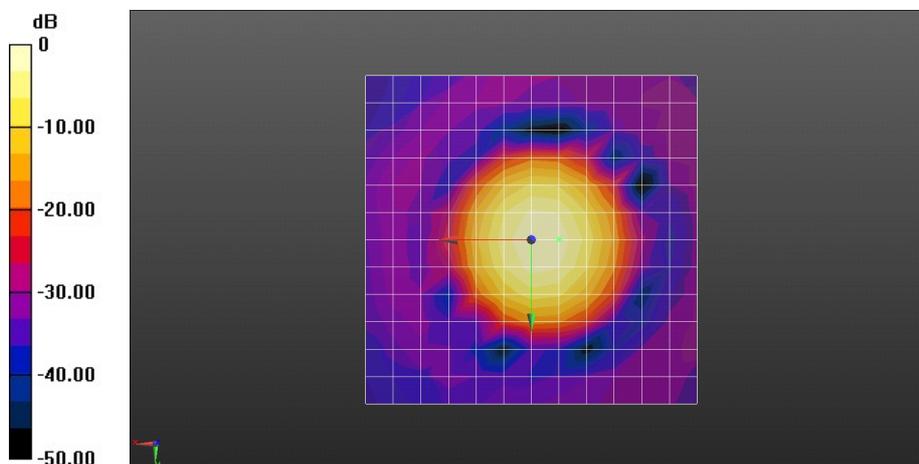
**Cursor:**

ABM1/ABM2 = 29.53 dB

ABM1 comp = 2.01 dBA/m

BWC Factor = 0.13 dB

Location: -4.2, 0, 3.7 mm



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- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General 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: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -5.53 dBA/m

BWC Factor = 0.13 dB

Location: 0, 8.3, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z)****(13x13x1):** Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

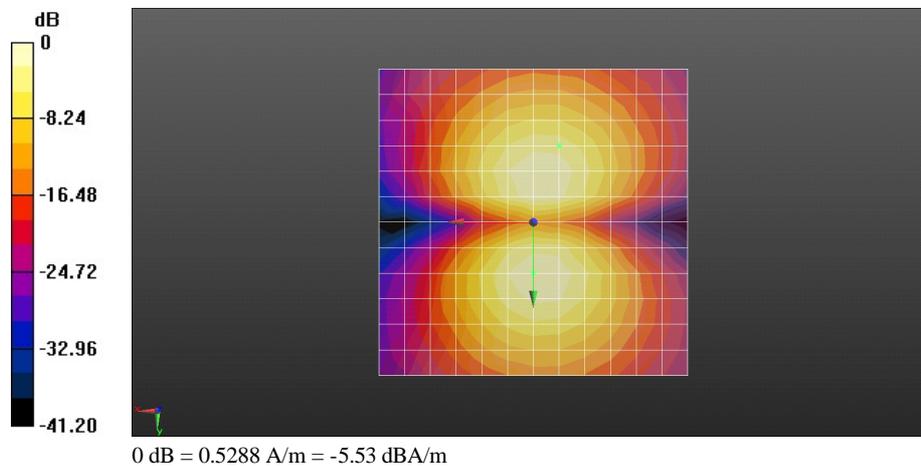
**Cursor:**

ABM1/ABM2 = 29.56 dB

ABM1 comp = -9.30 dBA/m

BWC Factor = 0.13 dB

Location: -4.2, -12.5, 3.7 mm



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**H881C-HAC(T-Coil)\_CDMA BC0-RC1 SO3-384CH****DUT: H881C; Type: CDMA 2000 Digital Mobile Phone Horizon; Serial: SAR1**

Communication System: HW-CDMA 2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3067; ; Calibrated: 2011-12-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -5.63 dBA/m

BWC Factor = 0.13 dB

Location: -8.3, 0, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR****(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

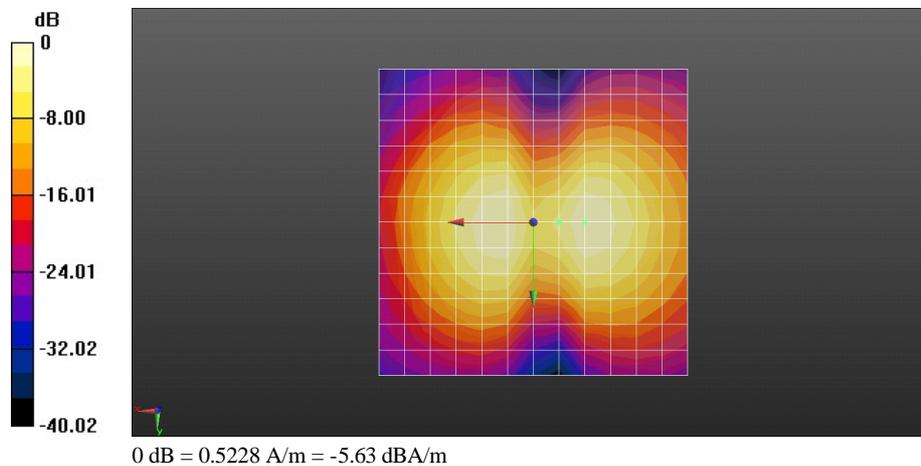
**Cursor:**

ABM1/ABM2 = 29.93 dB

ABM1 comp = -10.20 dBA/m

BWC Factor = 0.13 dB

Location: -4.2, 0, 3.7 mm



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### H881C-HAC(T-Coil)\_CDMA BC0-RC1 SO3-384CH

**DUT: H881C; Type: CDMA 2000 Digital Mobile Phone Horizon; Serial: SAR1**

Communication System: HW-CDMA 2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3067; ; Calibrated: 2011-12-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

#### T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM Signal(x,y,z)

**(1x1x1):** Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 59.41

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = -0.81 dBA/m

BWC Factor = 10.77 dB

Location: -4.2, 0, 3.7 mm

#### T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM SNR(x,y,z)

**(1x1x1):** Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 59.41

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 27.04 dB

ABM1 comp = -0.81 dBA/m

BWC Factor = 10.77 dB

Location: -4.2, 0, 3.7 mm

#### T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General 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: 59.41

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

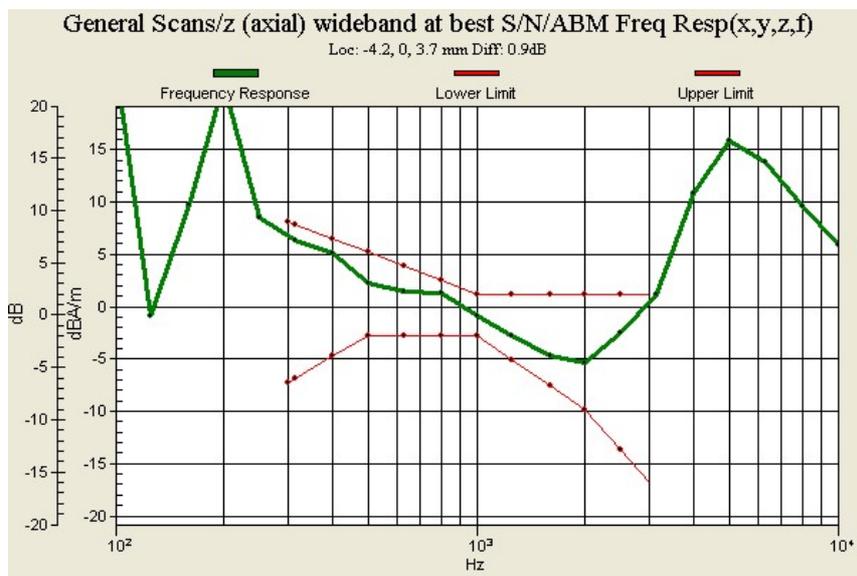
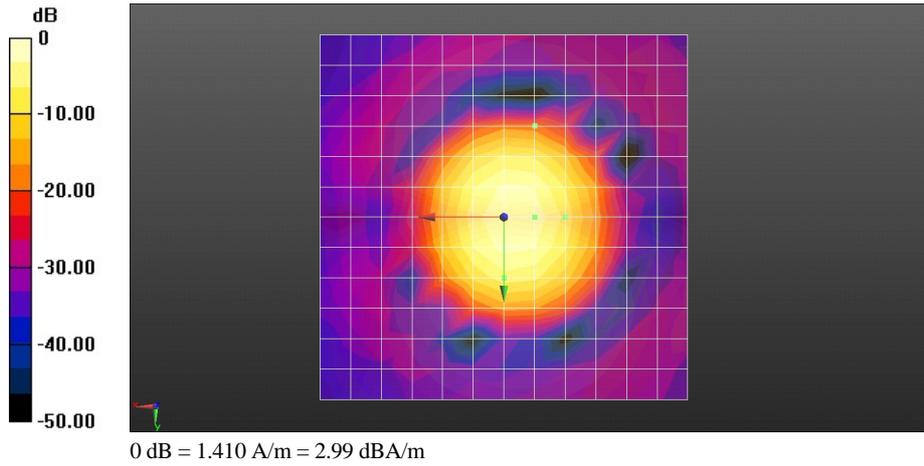
Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

Diff = 0.90 dB

BWC Factor = 10.77 dB

Location: -4.2, 0, 3.7 mm



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**H881C-HAC(T-Coil)\_CDMA BC1-RC1 SO3-600CH****DUT: H881C; Type: CDMA 2000 Digital Mobile Phone Horizon; Serial: SAR1**

Communication System: HW-CDMA 2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3067; ; Calibrated: 2011-12-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General 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: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.18 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 2.96 dBA/m

BWC Factor = 0.18 dB

Location: 0, 0, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):**

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

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.18 dB

Device Reference Point: 0, 0, -6.3 mm

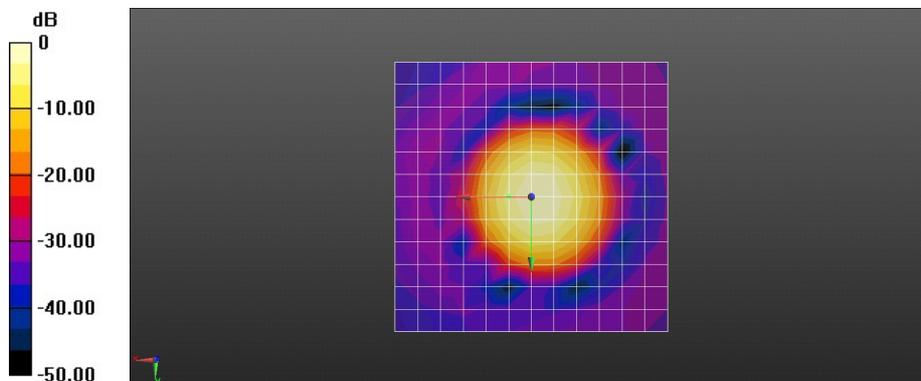
**Cursor:**

ABM1/ABM2 = 29.58 dB

ABM1 comp = -1.53 dBA/m

BWC Factor = 0.18 dB

Location: 4.2, 0, 3.7 mm



0 dB = 1.406 A/m = 2.96 dBA/m

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**H881C-HAC(T-Coil)\_CDMA BC1-RC1 SO3-600CH****DUT: H881C; Type: CDMA 2000 Digital Mobile Phone Horizon; Serial: SAR1**

Communication System: HW-CDMA 2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3067; ; Calibrated: 2011-12-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
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**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General 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: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.18 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -5.50 dBA/m

BWC Factor = 0.18 dB

Location: 0, 8.3, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z)****(13x13x1):** Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.18 dB

Device Reference Point: 0, 0, -6.3 mm

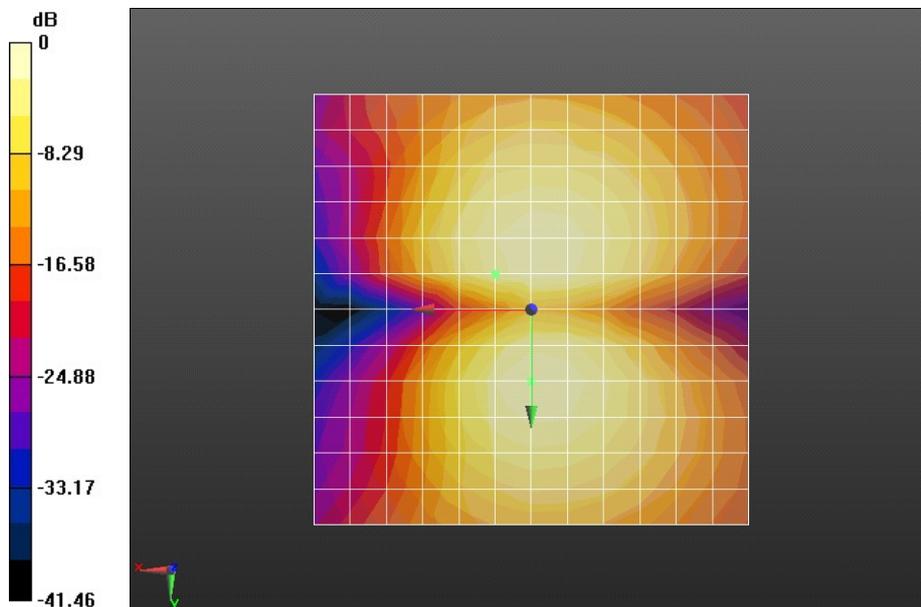
**Cursor:**

ABM1/ABM2 = 29.92 dB

ABM1 comp = -9.35 dBA/m

BWC Factor = 0.18 dB

Location: 4.2, -4.2, 3.7 mm



0 dB = 0.5308 A/m = -5.50 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**H881C-HAC(T-Coil)\_CDMA BC1-RC1 SO3-600CH**

**DUT: H881C; Type: CDMA 2000 Digital Mobile Phone Horizon; Serial: SAR1**

Communication System: HW-CDMA 2000; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3067; ; Calibrated: 2011-12-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn913; Calibrated: 2011-12-23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.3(988); SEMCAD X 14.6.7(6848)

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.18 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -5.34 dBA/m

BWC Factor = 0.18 dB

Location: 4.2, 0, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR**

**(x,y,z) (13x13x1):** Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_1kHz\_1s.wav

Output Gain: 30.34

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.18 dB

Device Reference Point: 0, 0, -6.3 mm

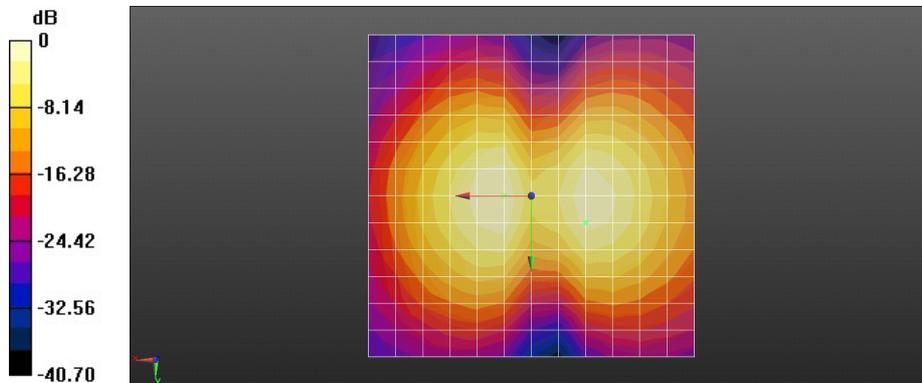
**Cursor:**

ABM1/ABM2 = 29.76 dB

ABM1 comp = -6.83 dBA/m

BWC Factor = 0.18 dB

Location: -8.3, 4.2, 3.7 mm



0 dB = 0.5405 A/m = -5.34 dBA/m

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**H881C-HAC(T-Coil)\_CDMA BC1-RC1 SO3-600CH**

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Communication System: HW-CDMA 2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

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**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM Signal(x,y,z)**

**(1x1x1):** Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 59.41

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -4.13 dBA/m

BWC Factor = 10.81 dB

Location: 4.2, 0, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM SNR(x,y,z)**

**(1x1x1):** Measurement grid: dx=10mm, dy=10mm

Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav

Output Gain: 59.41

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 27.07 dB

ABM1 comp = -4.13 dBA/m

BWC Factor = 10.81 dB

Location: 4.2, 0, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General 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: 59.41

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

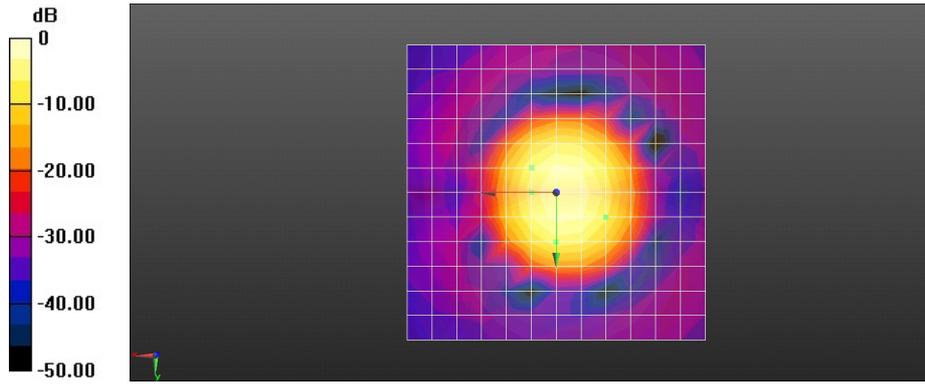
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

Diff = 0.61 dB

BWC Factor = 10.81 dB

Location: 4.2, 0, 3.7 mm



0 dB = 1.406 A/m = 2.96 dBA/m

