

Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_GSM850 190CH**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 1.94 dBA/m

BWC Factor = 0.16 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

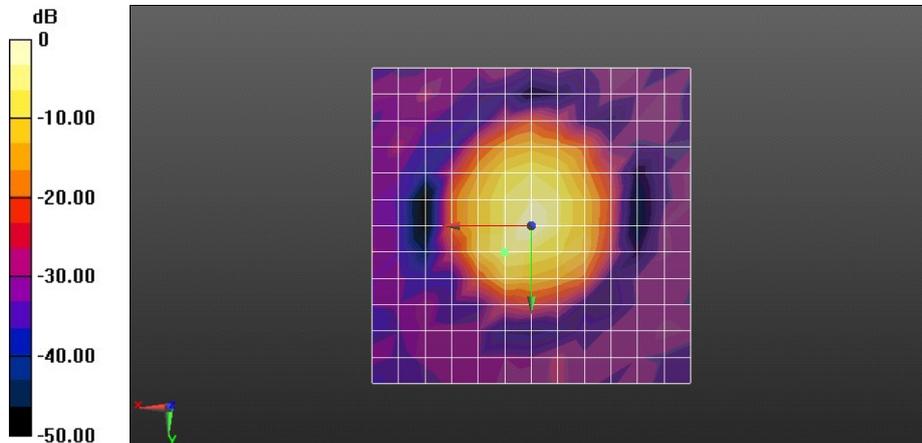
**Cursor:**

ABM1/ABM2 = 36.95 dB

ABM1 comp = -3.85 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, 4.2, 3.7 mm



0 dB = 1.250 A/m = 1.94 dBA/m

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**U3900-HAC(T-Coil)\_GSM850 190CH**

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- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72  
 Measure Window Start: 300ms  
 Measure Window Length: 1000ms  
 BWC applied: 0.16 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

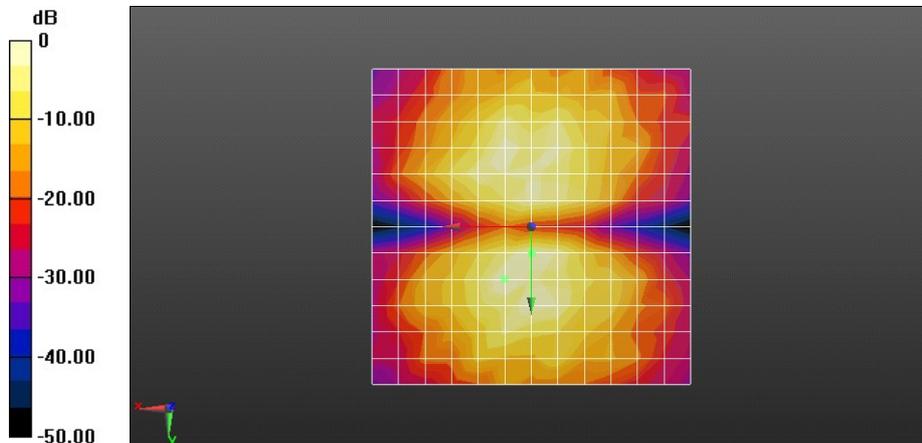
ABM1 comp = -7.03 dBA/m  
 BWC Factor = 0.16 dB  
 Location: 4.2, 8.3, 3.7 mm

**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: 38.72  
 Measure Window Start: 300ms  
 Measure Window Length: 1000ms  
 BWC applied: 0.16 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 36.97 dB  
 ABM1 comp = -7.99 dBA/m  
 BWC Factor = 0.16 dB  
 Location: 0, 4.2, 3.7 mm



0 dB = 0.4450 A/m = -7.03 dBA/m

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Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -8.03 dBA/m

BWC Factor = 0.16 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

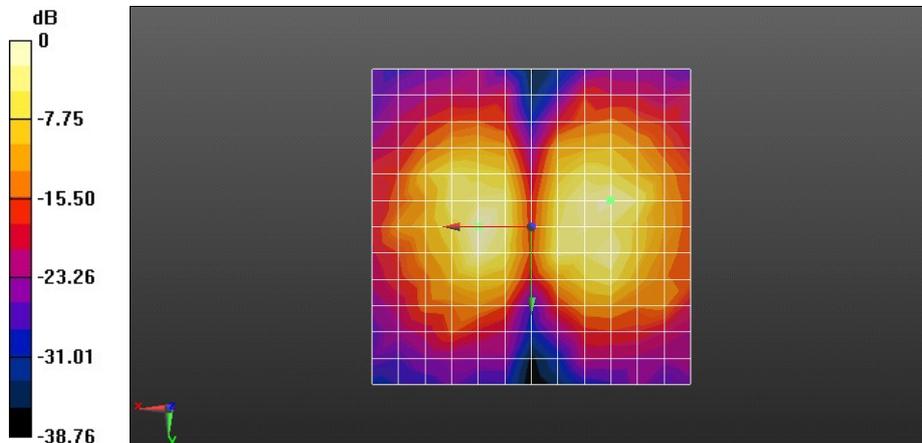
**Cursor:**

ABM1/ABM2 = 30.25 dB

ABM1 comp = -10.10 dBA/m

BWC Factor = 0.16 dB

Location: -12.5, -4.2, 3.7 mm



0 dB = 0.3969 A/m = -8.03 dBA/m

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Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface),  $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -5.30 dBA/m

BWC Factor = 10.79 dB

Location: 4.2, 4.2, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 35.19 dB

ABM1 comp = -5.30 dBA/m

BWC Factor = 10.79 dB

Location: 4.2, 4.2, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

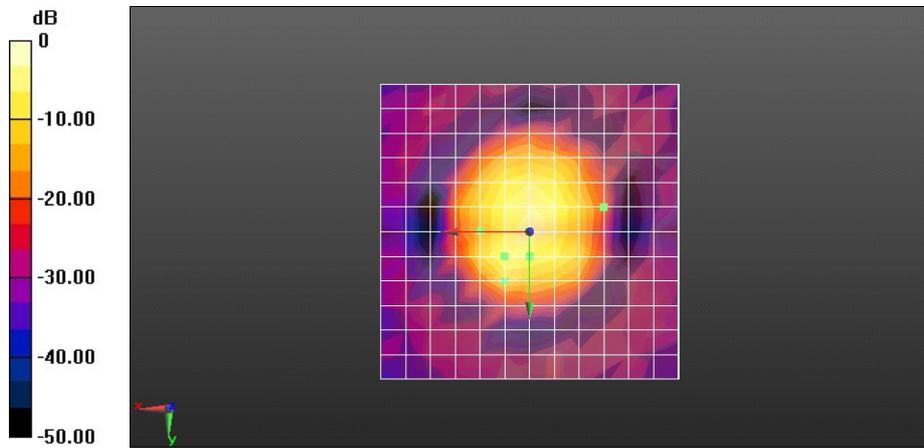
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

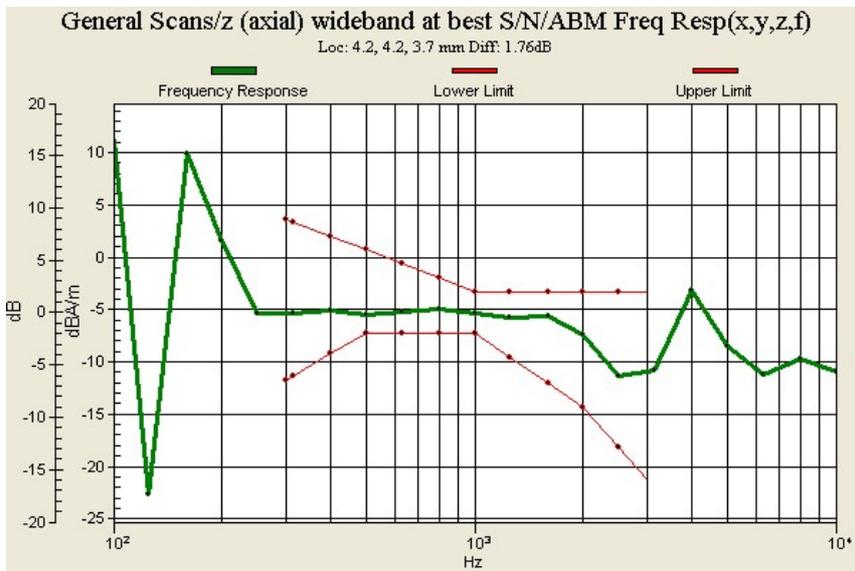
Diff = 1.76 dB

BWC Factor = 10.79 dB

Location: 4.2, 4.2, 3.7 mm



0 dB = 1.250 A/m = 1.94 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_GSM850 190CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 2.05 dBA/m

BWC Factor = 0.16 dB

Location: 0, -4.2, 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

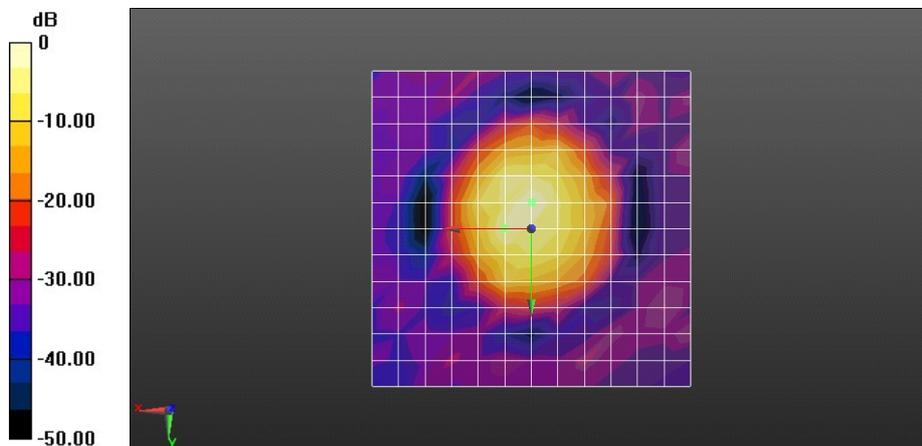
**Cursor:**

ABM1/ABM2 = 36.99 dB

ABM1 comp = -0.32 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, 0, 3.7 mm



0 dB = 1.266 A/m = 2.05 dBA/m

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**U3900-HAC(T-Coil)\_GSM850 190CH with battery 2#**

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Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
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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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -7.30 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

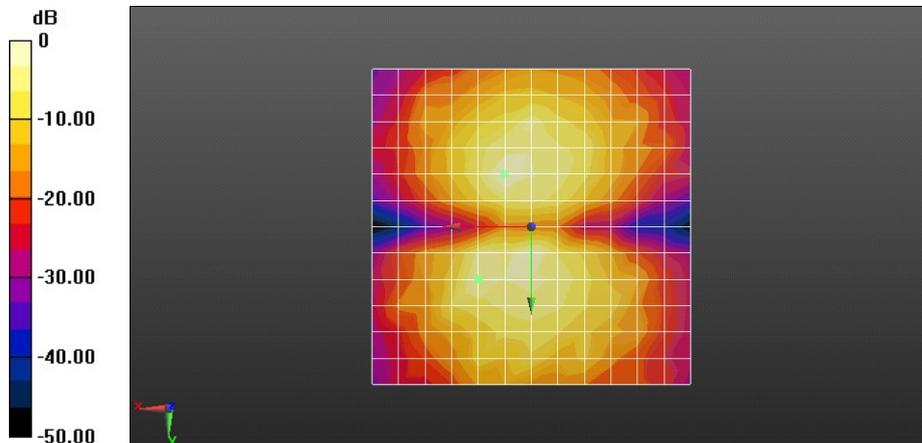
**Cursor:**

ABM1/ABM2 = 36.64 dB

ABM1 comp = -10.64 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 8.3, 3.7 mm



0 dB = 0.4316 A/m = -7.30 dBA/m

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**U3900-HAC(T-Coil)\_GSM850 190CH with battery 2#**

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Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

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DASY Configuration:

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- 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/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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -7.32 dBA/m

BWC Factor = 0.16 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

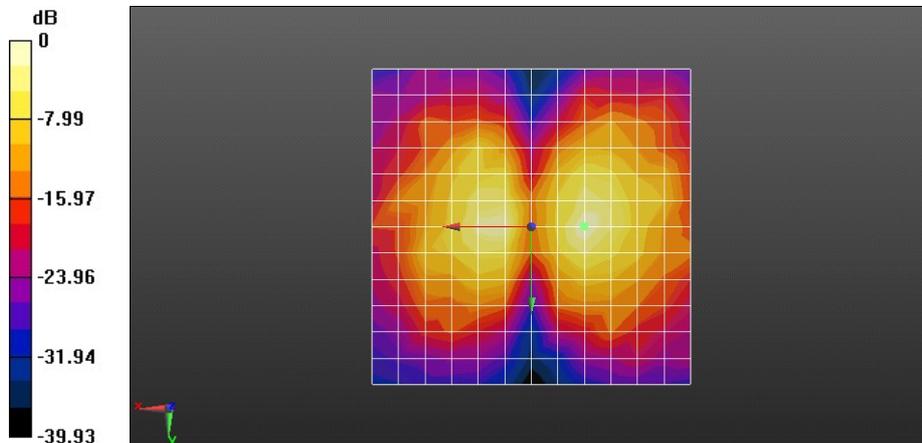
**Cursor:**

ABM1/ABM2 = 32.48 dB

ABM1 comp = -7.32 dBA/m

BWC Factor = 0.16 dB

Location: -8.3, 0, 3.7 mm



0 dB = 0.4304 A/m = -7.32 dBA/m

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- 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/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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -2.22 dBA/m

BWC Factor = 10.80 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 34.72 dB

ABM1 comp = -2.22 dBA/m

BWC Factor = 10.80 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

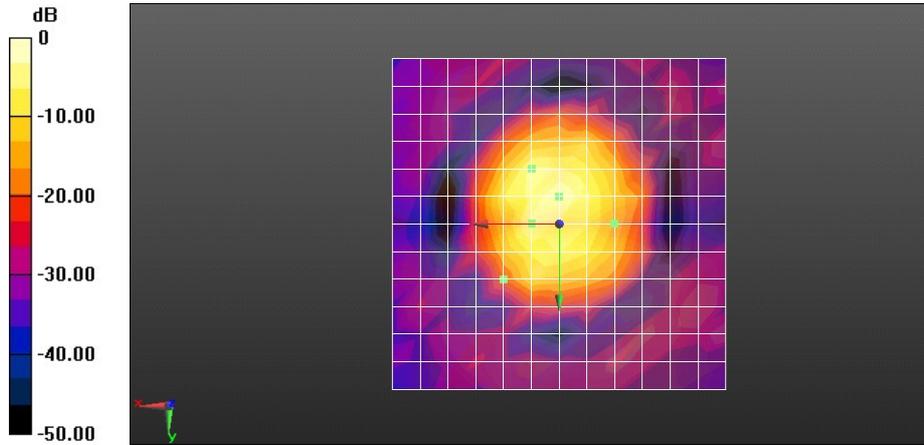
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

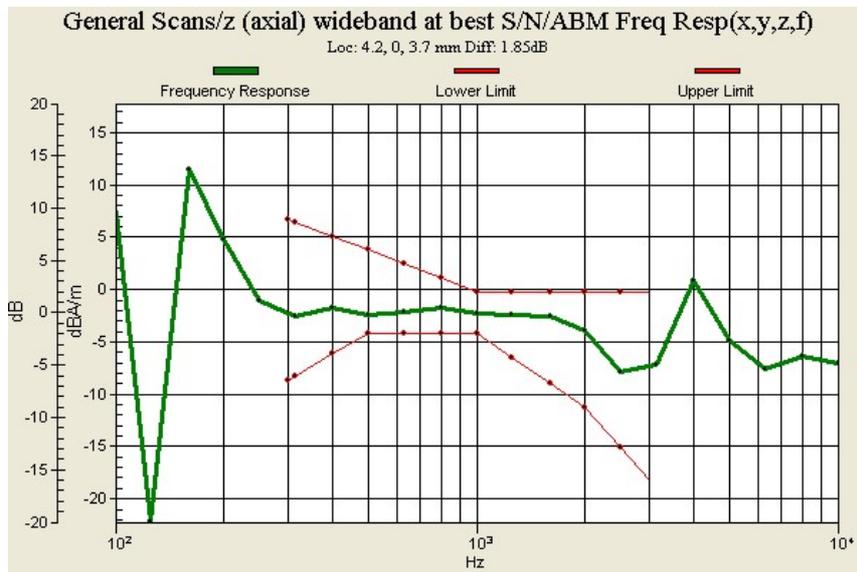
Diff = 1.85 dB

BWC Factor = 10.80 dB

Location: 4.2, 0, 3.7 mm



0 dB = 1.266 A/m = 2.05 dBA/m



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**U3900-HAC(T-Coil)\_GSM1900 661CH**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- 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/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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -0.34 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

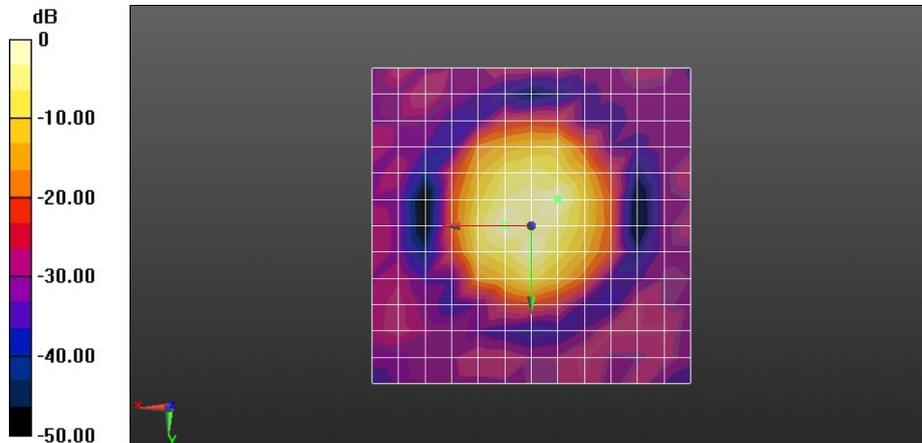
**Cursor:**

ABM1/ABM2 = 37.56 dB

ABM1 comp = -0.47 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -4.2, 3.7 mm



0 dB = 0.9620 A/m = -0.34 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_GSM1900 661CH**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
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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: 38.72  
 Measure Window Start: 300ms  
 Measure Window Length: 1000ms  
 BWC applied: 0.16 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

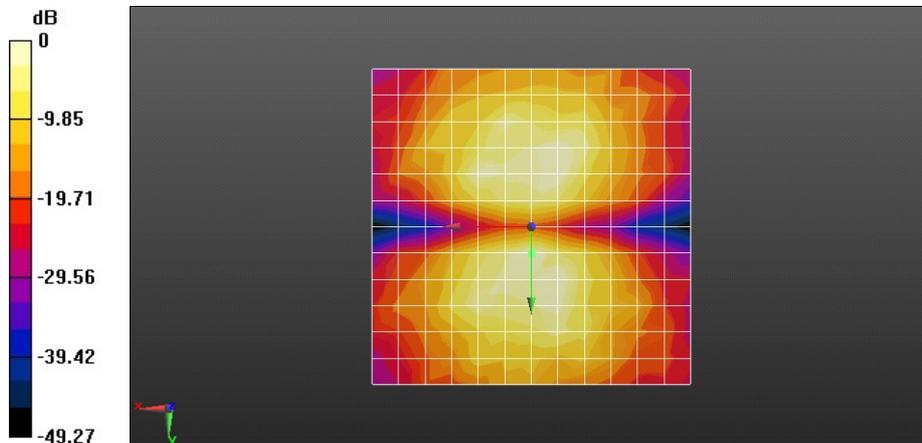
ABM1 comp = -8.20 dBA/m  
 BWC Factor = 0.16 dB  
 Location: 0, 4.2, 3.7 mm

**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: 38.72  
 Measure Window Start: 300ms  
 Measure Window Length: 1000ms  
 BWC applied: 0.16 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 36.50 dB  
 ABM1 comp = -8.20 dBA/m  
 BWC Factor = 0.16 dB  
 Location: 0, 4.2, 3.7 mm



0 dB = 0.3892 A/m = -8.20 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_GSM1900 661CH**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -9.45 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -4.2, 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

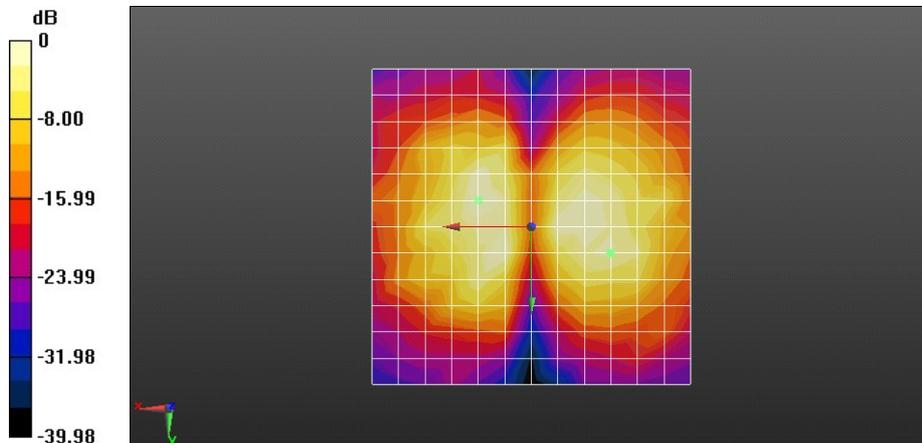
**Cursor:**

ABM1/ABM2 = 31.92 dB

ABM1 comp = -11.48 dBA/m

BWC Factor = 0.16 dB

Location: -12.5, 4.2, 3.7 mm



0 dB = 0.3369 A/m = -9.45 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

### U3900-HAC(T-Coil)\_GSM1900 661CH

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -1.56 dBA/m

BWC Factor = 10.80 dB

Location: -4.2, -4.2, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 36.32 dB

ABM1 comp = -1.56 dBA/m

BWC Factor = 10.80 dB

Location: -4.2, -4.2, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

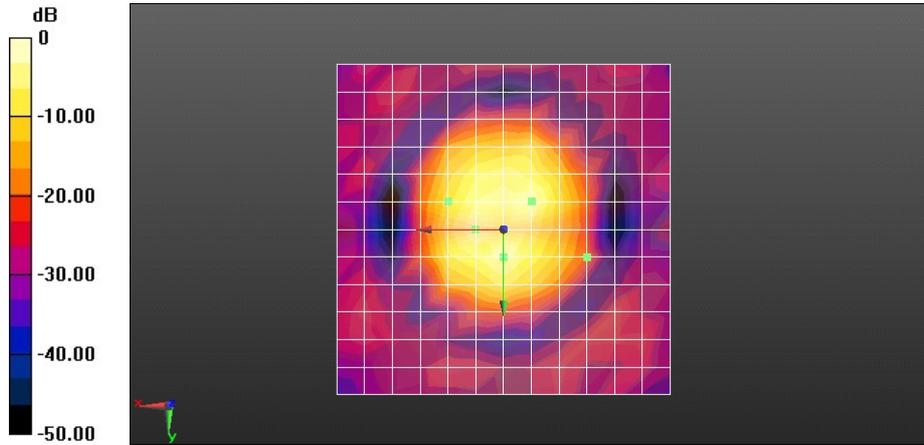
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

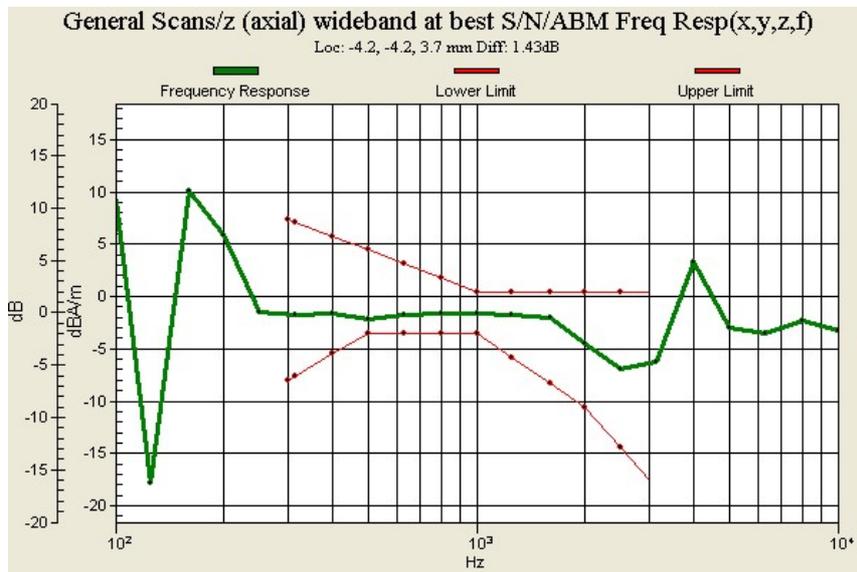
Diff = 1.43 dB

BWC Factor = 10.80 dB

Location: -4.2, -4.2, 3.7 mm



0 dB = 0.9620 A/m = -0.34 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_GSM1900 661CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -9.86 dBA/m

BWC Factor = 0.16 dB

Location: 0, -4.2, 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

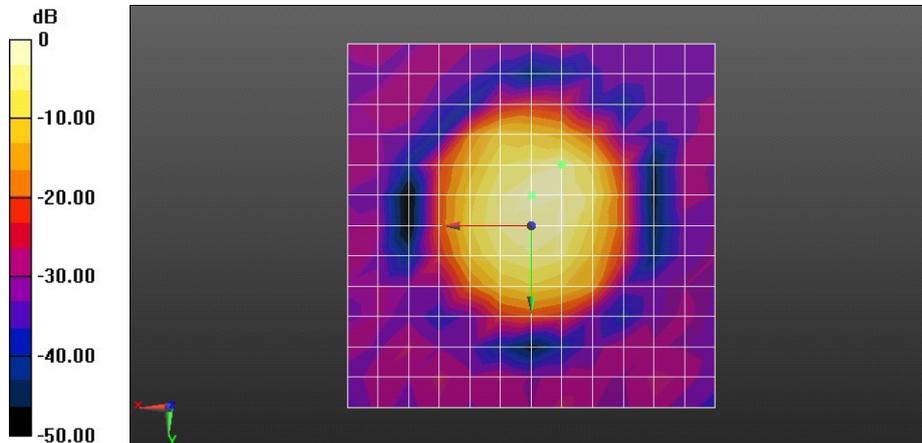
**Cursor:**

ABM1/ABM2 = 36.37 dB

ABM1 comp = -13.41 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -8.3, 3.7 mm



0 dB = 0.3214 A/m = -9.86 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_GSM1900 661CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72  
 Measure Window Start: 300ms  
 Measure Window Length: 1000ms  
 BWC applied: 0.16 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

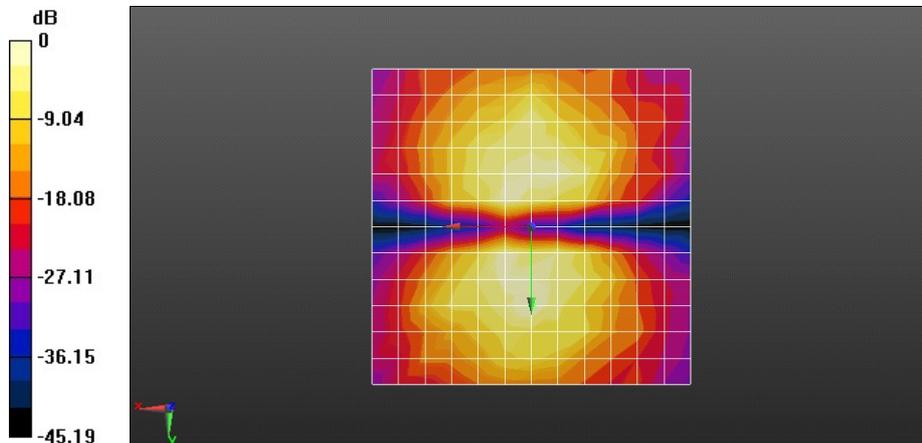
ABM1 comp = -17.17 dBA/m  
 BWC Factor = 0.16 dB  
 Location: 0, 12.5, 3.7 mm

**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: 38.72  
 Measure Window Start: 300ms  
 Measure Window Length: 1000ms  
 BWC applied: 0.16 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 34.26 dB  
 ABM1 comp = -17.17 dBA/m  
 BWC Factor = 0.16 dB  
 Location: 0, 12.5, 3.7 mm



0 dB = 0.1385 A/m = -17.17 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_GSM1900 661CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz;Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -16.60 dBA/m

BWC Factor = 0.16 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

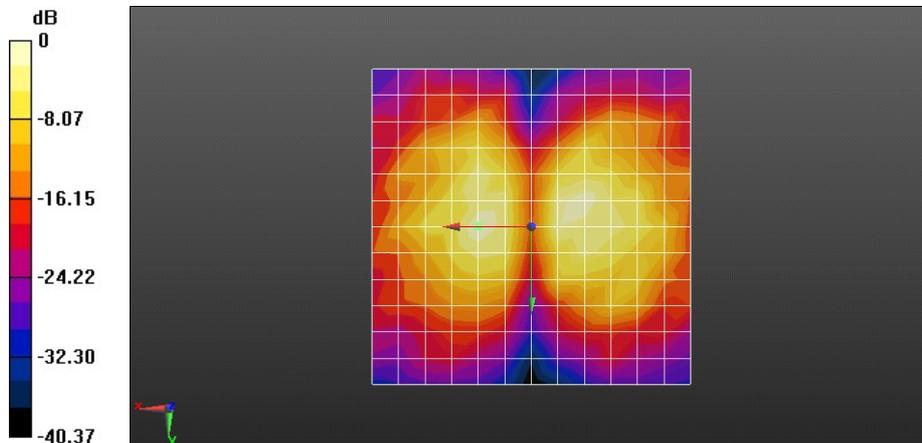
**Cursor:**

ABM1/ABM2 = 32.97 dB

ABM1 comp = -16.60 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 0, 3.7 mm



0 dB = 0.1479 A/m = -16.60 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_GSM1900 661CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface),  $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -13.39 dBA/m

BWC Factor = 10.79 dB

Location: -4.2, -8.3, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 36.30 dB

ABM1 comp = -13.39 dBA/m

BWC Factor = 10.79 dB

Location: -4.2, -8.3, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

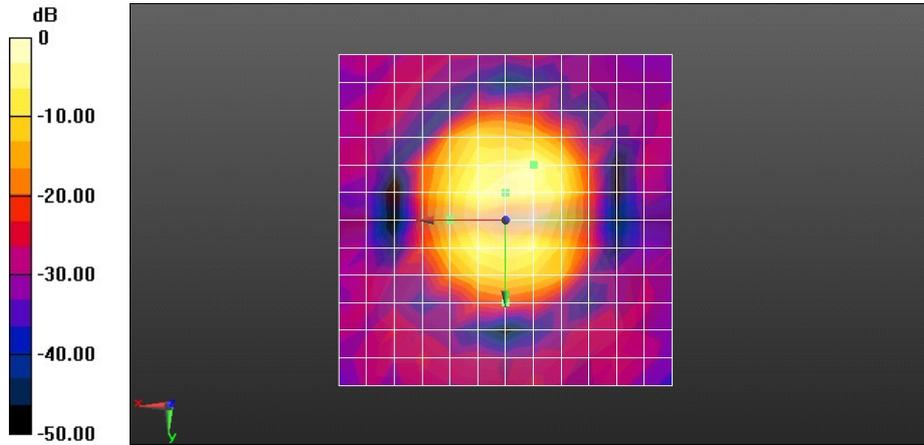
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

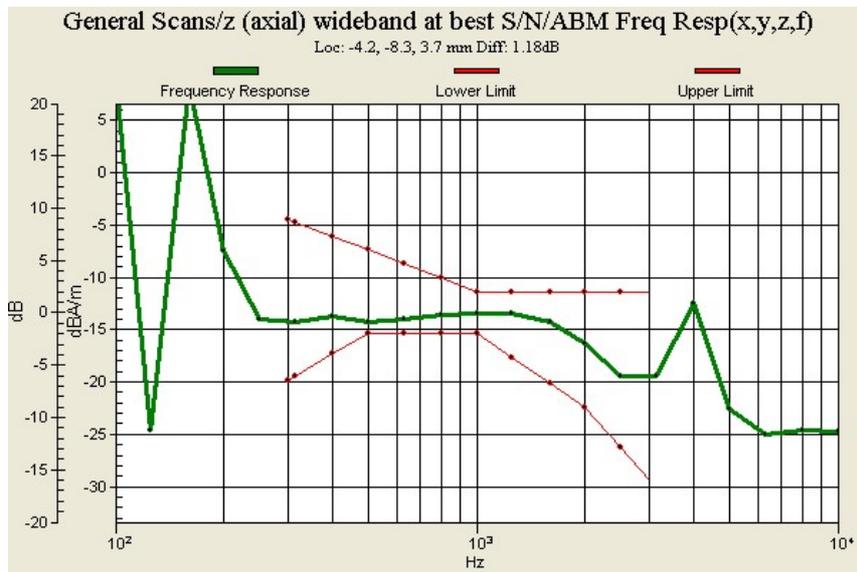
Diff = 1.18 dB

BWC Factor = 10.79 dB

Location: -4.2, -8.3, 3.7 mm



0 dB = 0.3214 A/m = -9.86 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band V 4182CH**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 0.94 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -4.2, 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

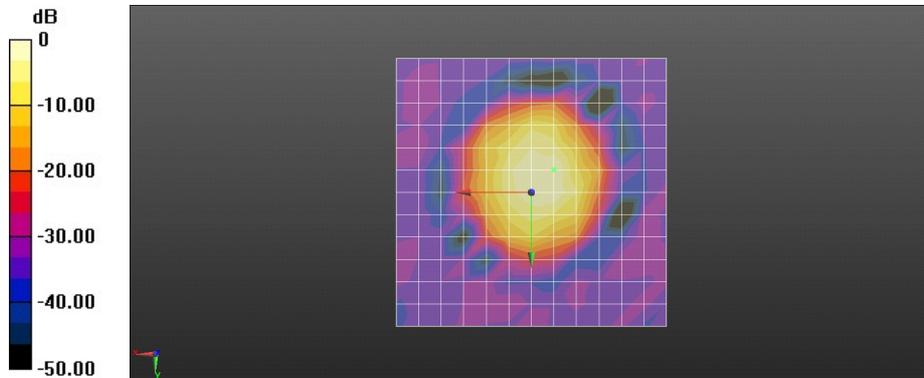
**Cursor:**

ABM1/ABM2 = 38.43 dB

ABM1 comp = 0.94 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, -4.2, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band V 4182CH**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72  
 Measure Window Start: 300ms  
 Measure Window Length: 1000ms  
 BWC applied: 0.16 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

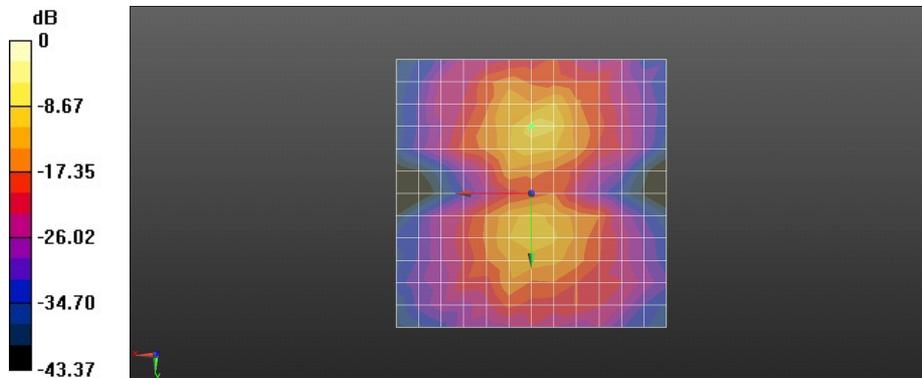
ABM1 comp = -7.16 dBA/m  
 BWC Factor = 0.16 dB  
 Location: 0, -12.5, 3.7 mm

**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: 38.72  
 Measure Window Start: 300ms  
 Measure Window Length: 1000ms  
 BWC applied: 0.16 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 38.16 dB  
 ABM1 comp = -7.16 dBA/m  
 BWC Factor = 0.16 dB  
 Location: 0, -12.5, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band V 4182CH**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -6.36 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -4.2, 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

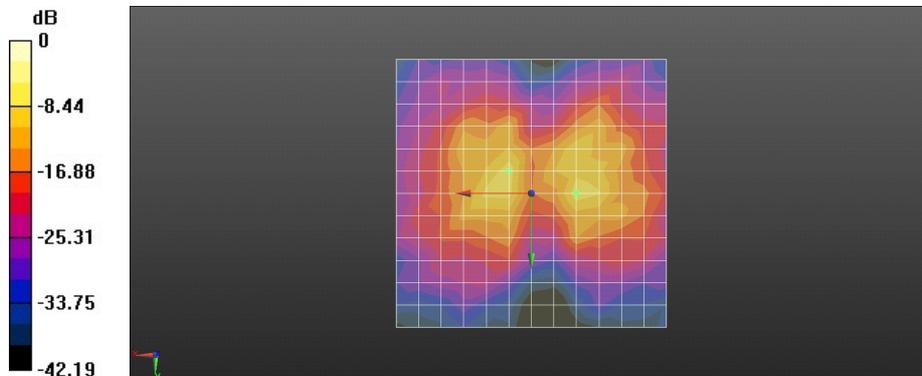
**Cursor:**

ABM1/ABM2 = 38.31 dB

ABM1 comp = -6.39 dBA/m

BWC Factor = 0.16 dB

Location: -8.3, 0, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

### U3900-HAC(T-Coil)\_UMTS Band V 4182CH

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface),  $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

Output Gain: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -0.77 dBA/m

BWC Factor = 10.80 dB

Location: -4.2, -4.2, 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:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

Output Gain: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 36.74 dB

ABM1 comp = -0.77 dBA/m

BWC Factor = 10.80 dB

Location: -4.2, -4.2, 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:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

Output Gain: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

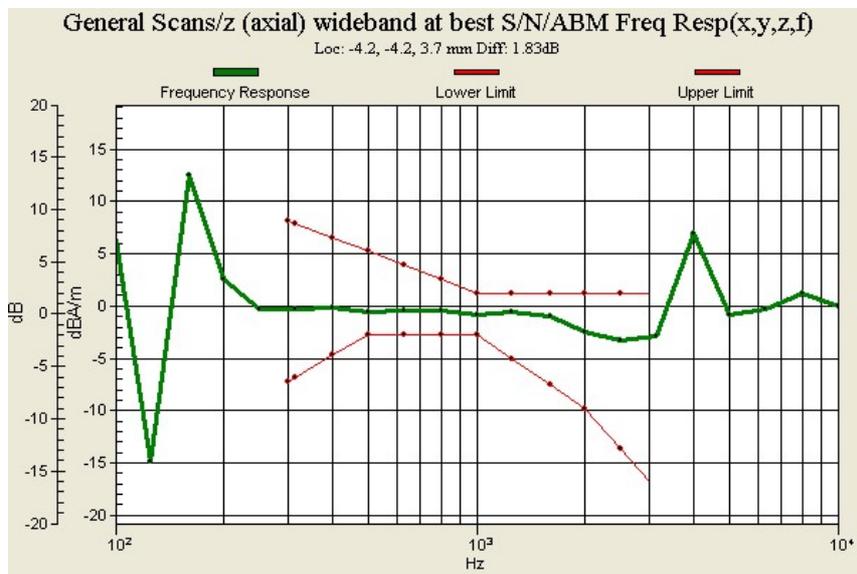
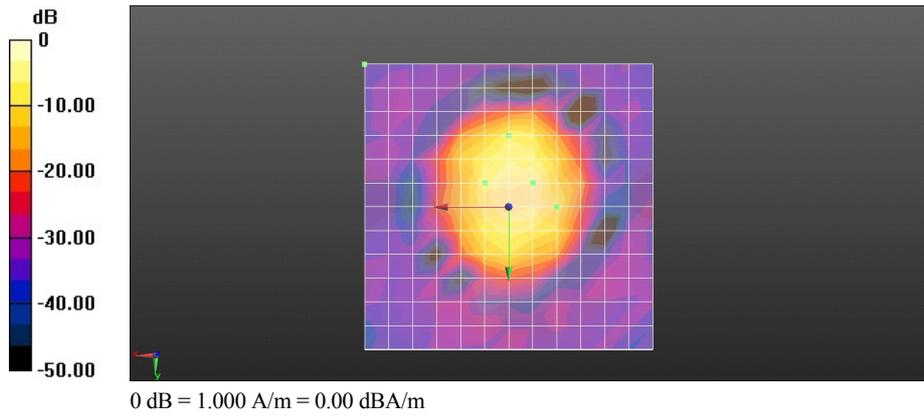
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

Diff = 1.83 dB

BWC Factor = 10.80 dB

Location: -4.2, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band V 4182CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 3.01 dBA/m

BWC Factor = 0.16 dB

Location: 0, -4.2, 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

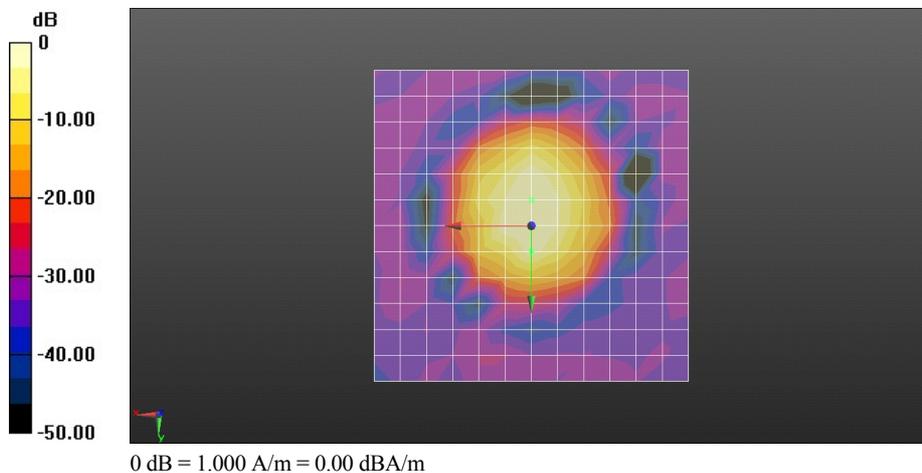
**Cursor:**

ABM1/ABM2 = 38.35 dB

ABM1 comp = -1.34 dBA/m

BWC Factor = 0.16 dB

Location: 0, 4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band V 4182CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -6.60 dBA/m

BWC Factor = 0.16 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

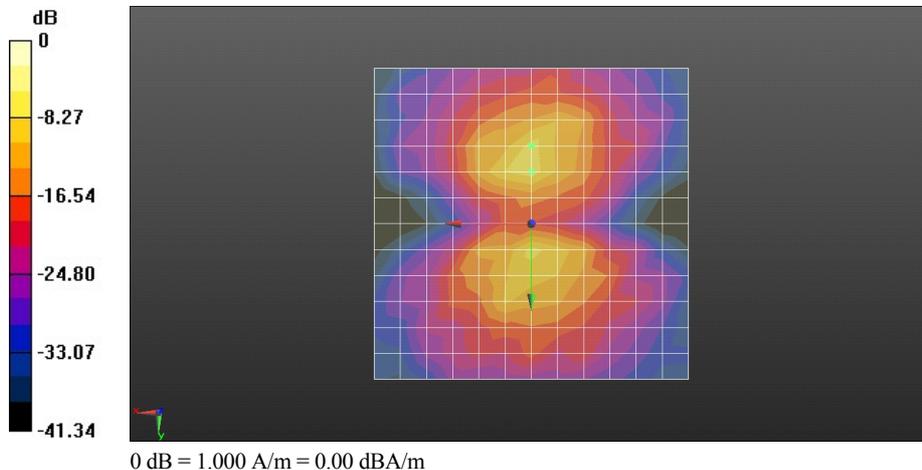
**Cursor:**

ABM1/ABM2 = 38.30 dB

ABM1 comp = -6.97 dBA/m

BWC Factor = 0.16 dB

Location: 0, -12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band V 4182CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -6.21 dBA/m

BWC Factor = 0.16 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

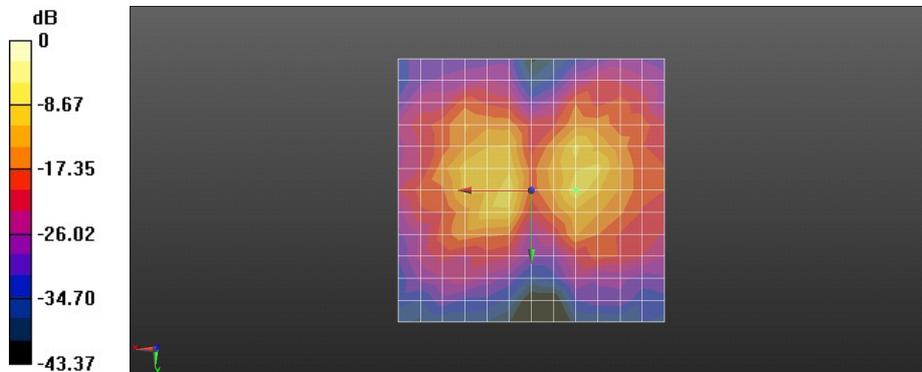
**Cursor:**

ABM1/ABM2 = 38.14 dB

ABM1 comp = -6.21 dBA/m

BWC Factor = 0.16 dB

Location: -8.3, 0, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band V 4182CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -2.68 dBA/m

BWC Factor = 10.79 dB

Location: 0, 4.2, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 36.76 dB

ABM1 comp = -2.68 dBA/m

BWC Factor = 10.79 dB

Location: 0, 4.2, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

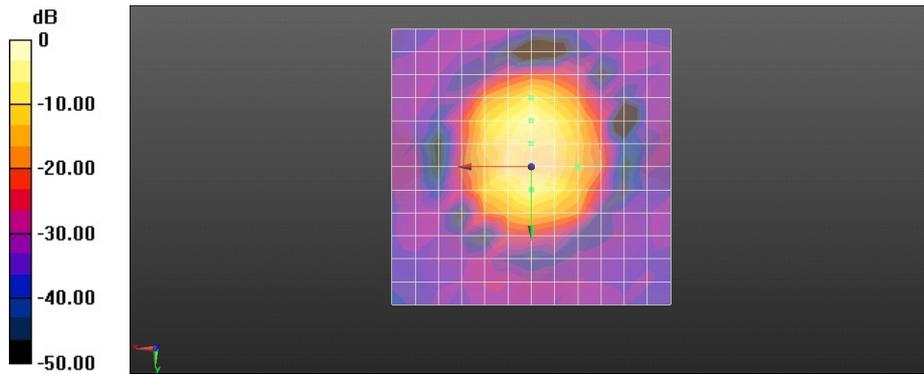
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

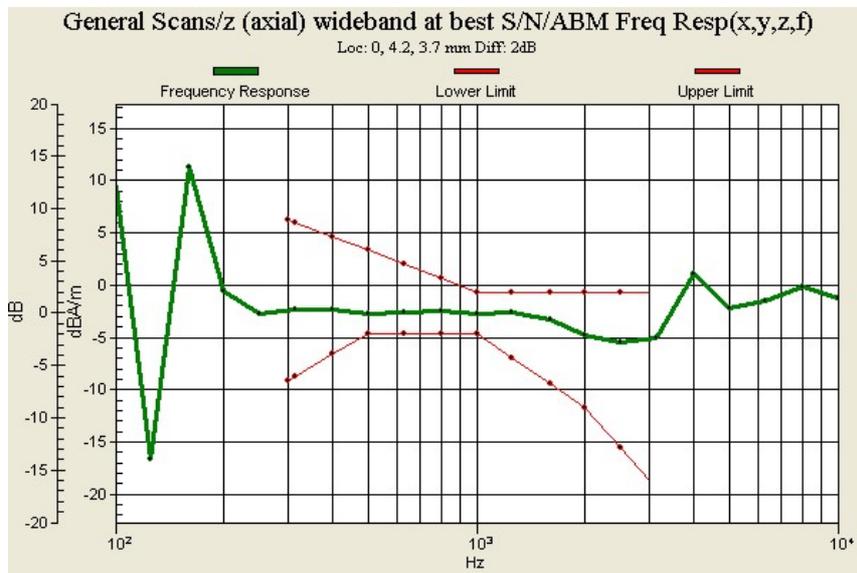
Diff = 2.00 dB

BWC Factor = 10.79 dB

Location: 0, 4.2, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band II 9400CH**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -0.66 dBA/m

BWC Factor = 0.16 dB

Location: 0, -4.2, 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

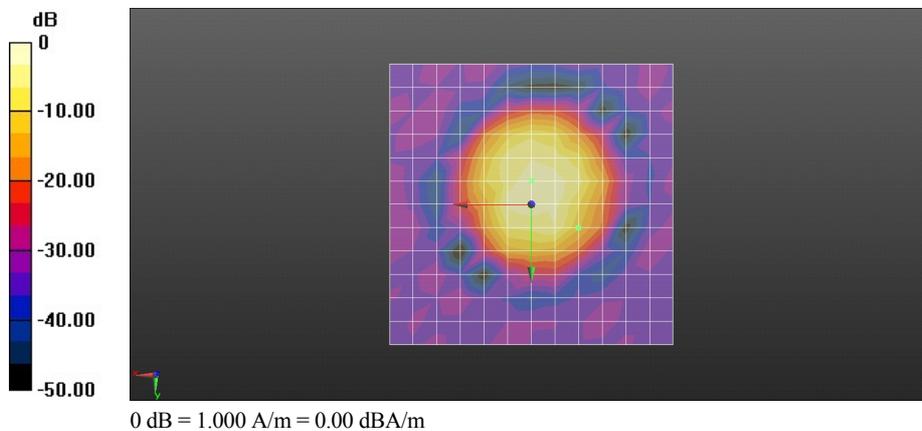
**Cursor:**

ABM1/ABM2 = 45.05 dB

ABM1 comp = -12.56 dBA/m

BWC Factor = 0.16 dB

Location: -8.3, 4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band II 9400CH**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72  
Measure Window Start: 300ms  
Measure Window Length: 1000ms  
BWC applied: 0.16 dB  
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

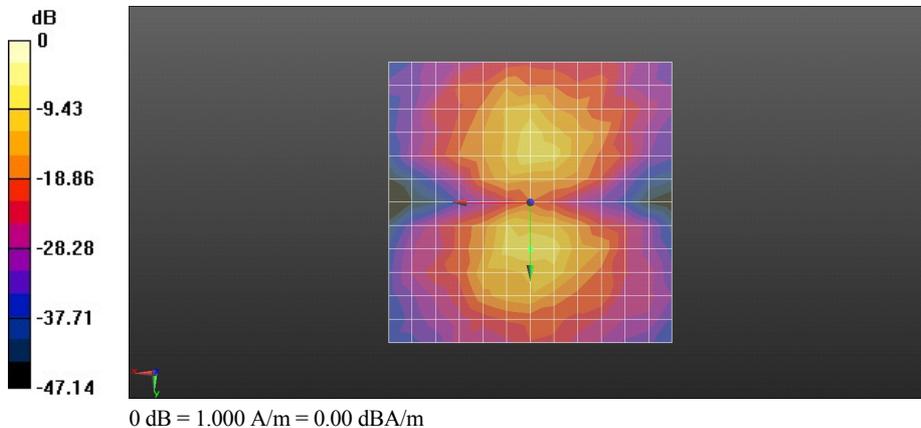
ABM1 comp = -6.29 dBA/m  
BWC Factor = 0.16 dB  
Location: 0, 8.3, 3.7 mm

**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: 38.72  
Measure Window Start: 300ms  
Measure Window Length: 1000ms  
BWC applied: 0.16 dB  
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 38.26 dB  
ABM1 comp = -6.29 dBA/m  
BWC Factor = 0.16 dB  
Location: 0, 8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band II 9400CH**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -7.61 dBA/m

BWC Factor = 0.16 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

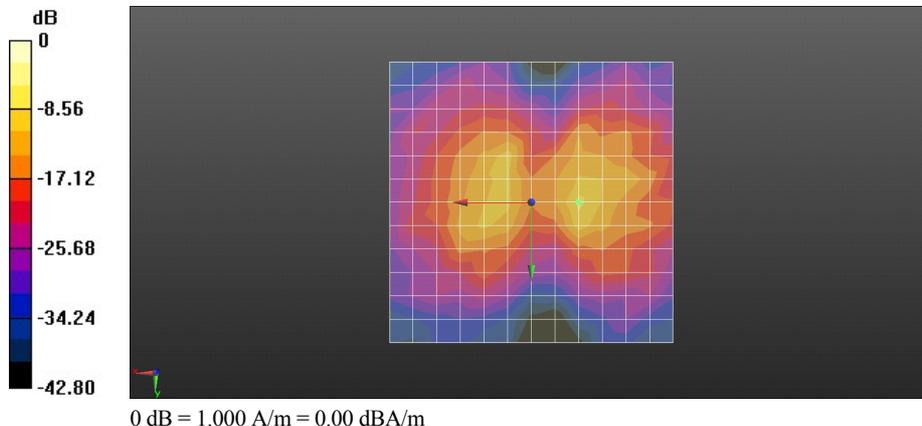
**Cursor:**

ABM1/ABM2 = 38.26 dB

ABM1 comp = -7.61 dBA/m

BWC Factor = 0.16 dB

Location: -8.3, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

### U3900-HAC(T-Coil)\_UMTS Band II 9400CH

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

#### 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = -10.39 dBA/m

BWC Factor = 10.80 dB

Location: -8.3, 4.2, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 36.83 dB

ABM1 comp = -10.39 dBA/m

BWC Factor = 10.80 dB

Location: -8.3, 4.2, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

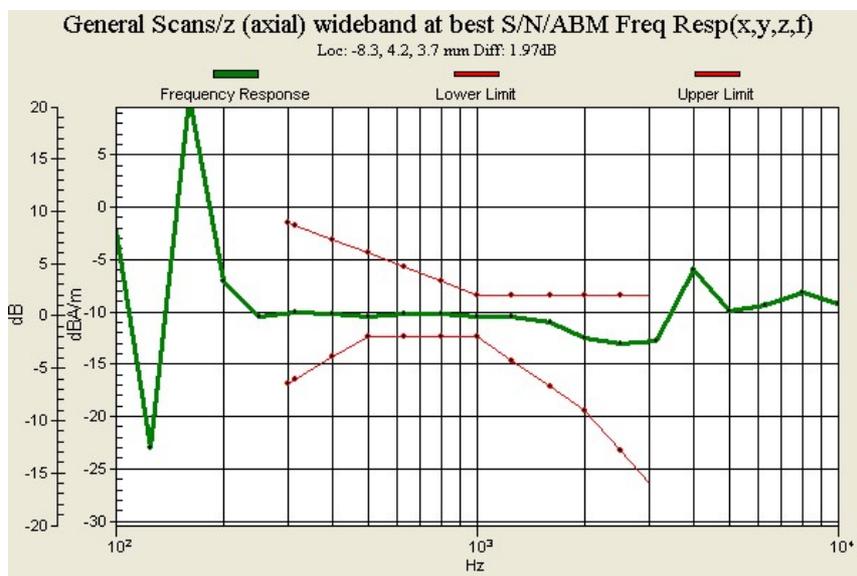
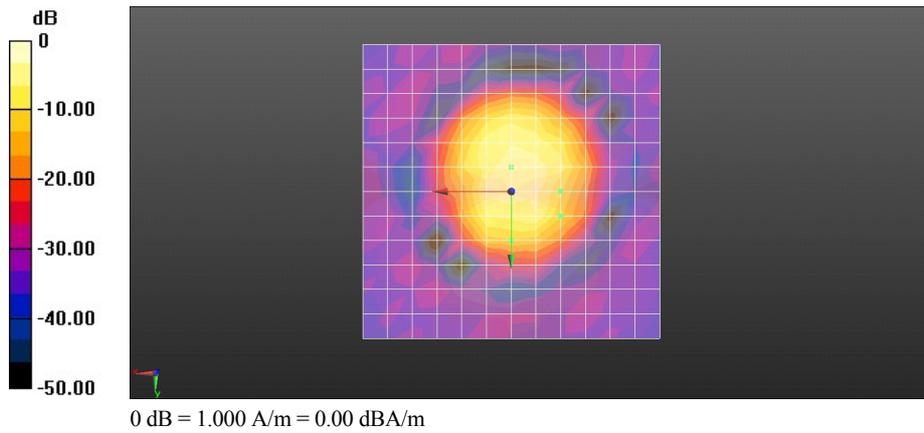
Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

Diff = 1.97 dB

BWC Factor = 10.80 dB

Location: -8.3, 4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band II 9400CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 0.01 dBA/m

BWC Factor = 0.16 dB

Location: 0, -4.2, 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

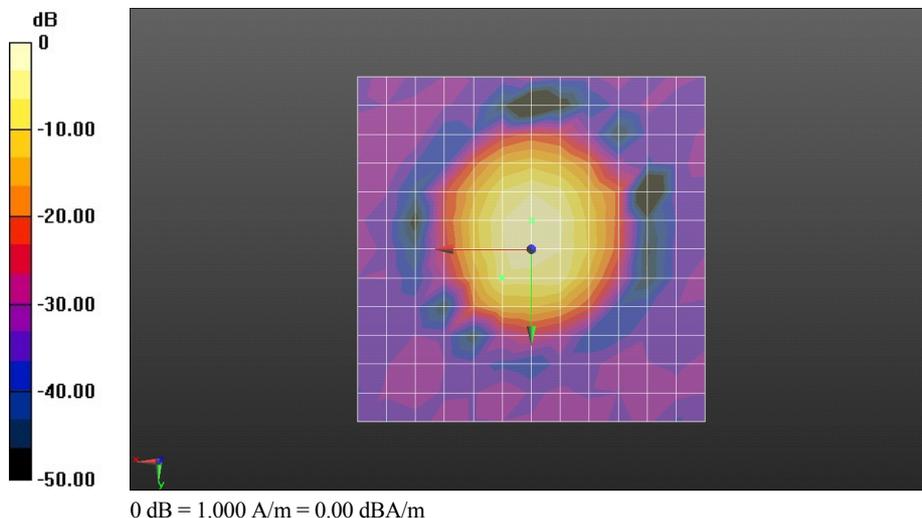
**Cursor:**

ABM1/ABM2 = 38.28 dB

ABM1 comp = -4.58 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, 4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band II 9400CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72  
 Measure Window Start: 300ms  
 Measure Window Length: 1000ms  
 BWC applied: 0.16 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

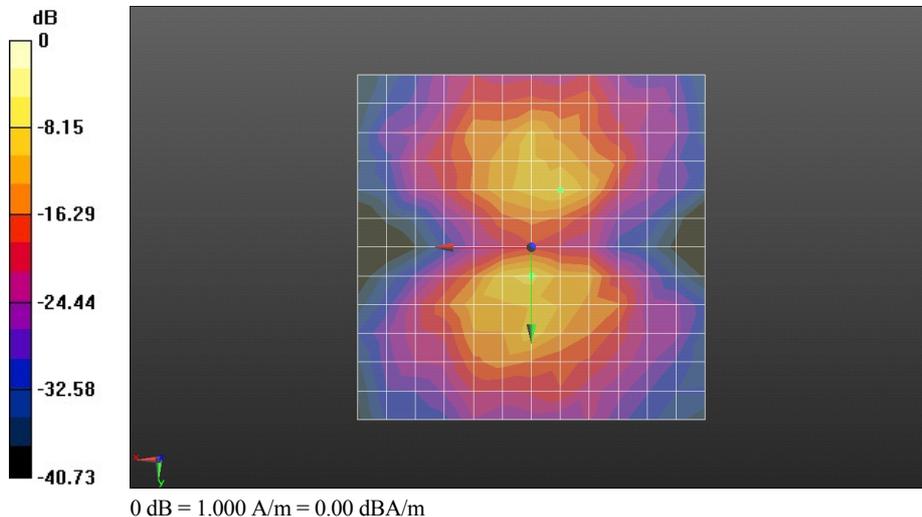
ABM1 comp = -7.00 dBA/m  
 BWC Factor = 0.16 dB  
 Location: 0, 4.2, 3.7 mm

**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: 38.72  
 Measure Window Start: 300ms  
 Measure Window Length: 1000ms  
 BWC applied: 0.16 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 38.01 dB  
 ABM1 comp = -7.86 dBA/m  
 BWC Factor = 0.16 dB  
 Location: -4.2, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band II 9400CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -7.90 dBA/m

BWC Factor = 0.16 dB

Location: -12.5, 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

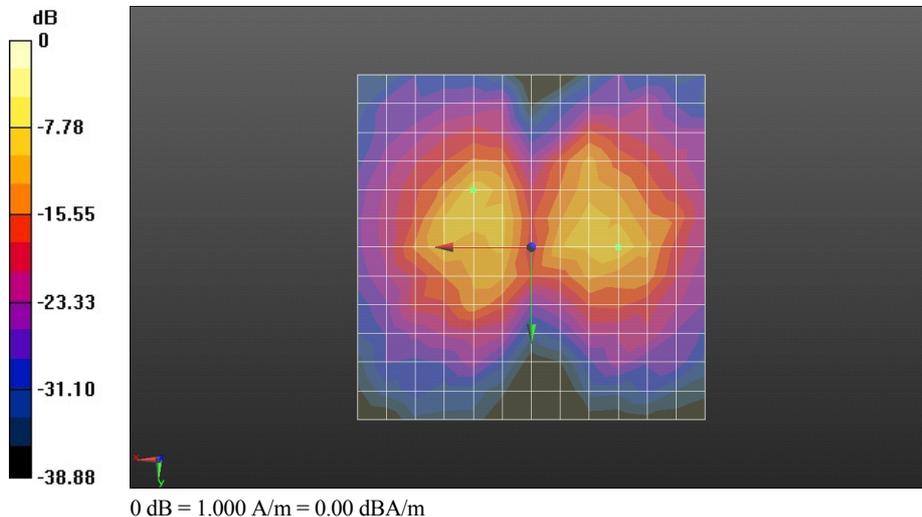
**Cursor:**

ABM1/ABM2 = 38.09 dB

ABM1 comp = -8.41 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**U3900-HAC(T-Coil)\_UMTS Band II 9400CH with battery 2#**

**DUT: U3900; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1**

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

**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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -7.49 dBA/m

BWC Factor = 10.80 dB

Location: 4.2, 4.2, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 34.72 dB

ABM1 comp = -7.49 dBA/m

BWC Factor = 10.80 dB

Location: 4.2, 4.2, 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

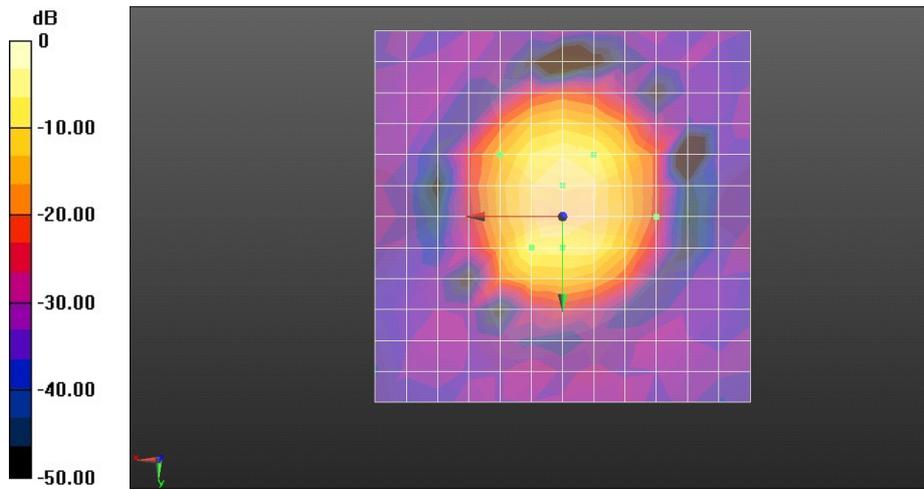
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

Diff = 1.97 dB

BWC Factor = 10.80 dB

Location: 4.2, 4.2, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

