

Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-GSM850-190CH with battery 1#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -2.70 dBA/m

BWC Factor = 0.17 dB

Location: -8.3, -16.7, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

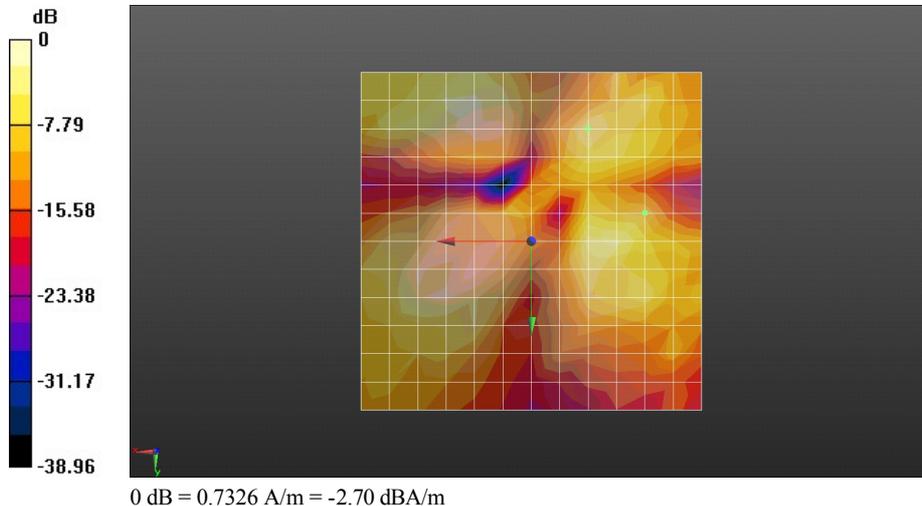
**Cursor:**

ABM1/ABM2 = 28.70 dB

ABM1 comp = -13.77 dBA/m

BWC Factor = 0.17 dB

Location: -16.7, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-GSM850-190CH with battery 1#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 7.29 dBA/m

BWC Factor = 0.17 dB

Location: -8.3, -4.2, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

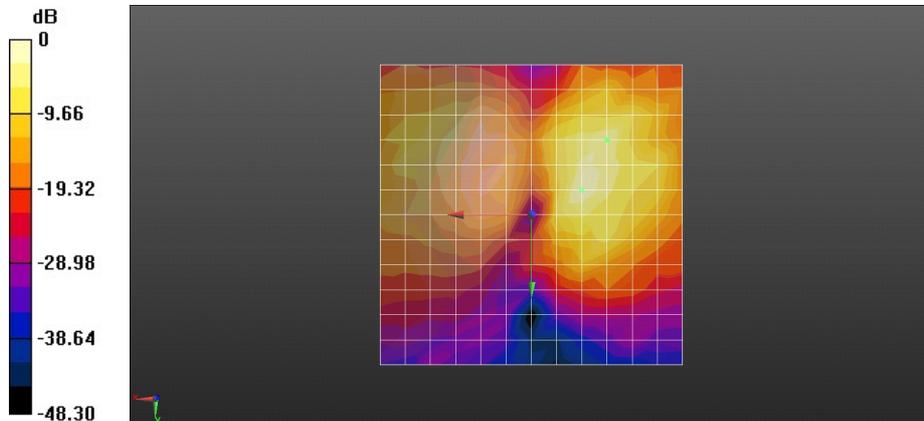
**Cursor:**

ABM1/ABM2 = 34.01 dB

ABM1 comp = 3.45 dBA/m

BWC Factor = 0.17 dB

Location: -12.5, -12.5, 3.7 mm



0 dB = 2.314 A/m = 7.29 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-GSM850-190CH with battery 1#**

**DUT: H215G; 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:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 4.49 dBA/m

BWC Factor = 10.80 dB

Location: -12.5, -12.5, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 35.04 dB

ABM1 comp = 4.49 dBA/m

BWC Factor = 10.80 dB

Location: -12.5, -12.5, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

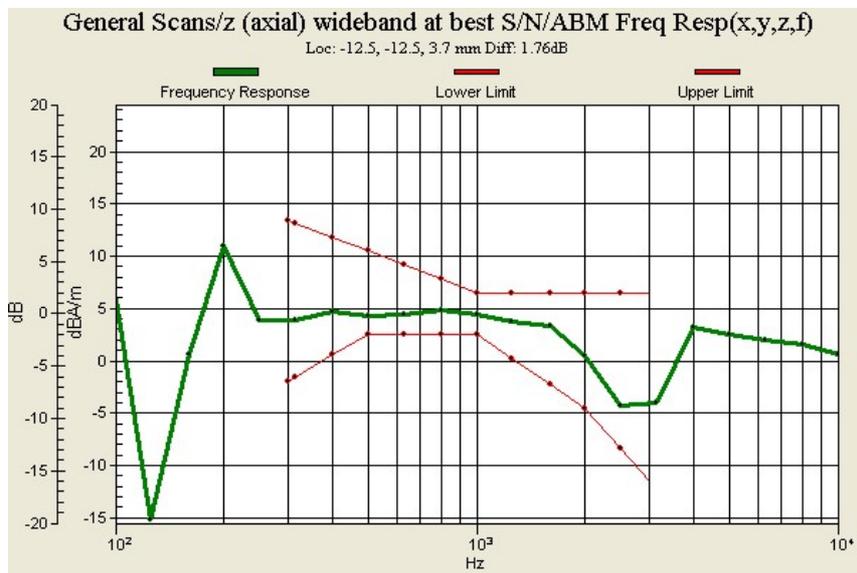
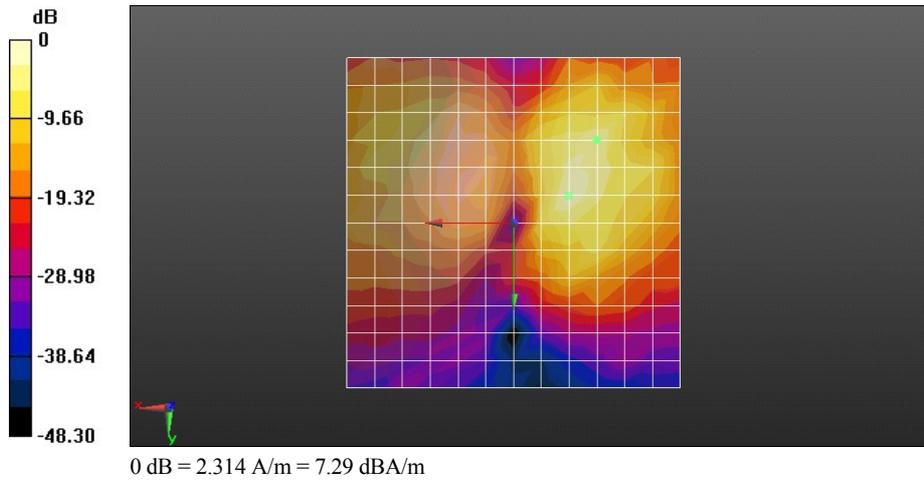
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

Diff = 1.76 dB

BWC Factor = 10.80 dB

Location: -12.5, -12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-GSM850-190CH with battery 2#**

**DUT: H215G; 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:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -2.36 dBA/m

BWC Factor = 0.17 dB

Location: 25, -20.8, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

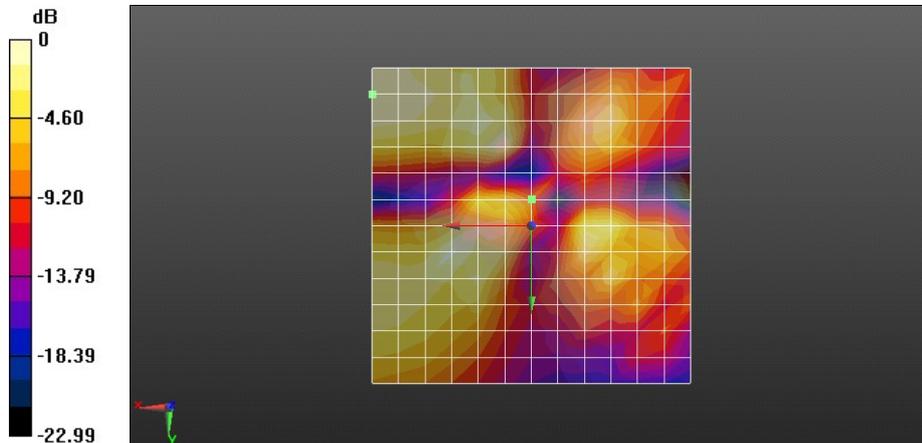
**Cursor:**

ABM1/ABM2 = 26.49 dB

ABM1 comp = -11.88 dBA/m

BWC Factor = 0.17 dB

Location: 0, -4.2, 3.7 mm



0 dB = 0.7623 A/m = -2.36 dBA/m

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**HAC-T-Coil-H215G-GSM850-190CH with battery 2#**

**DUT: H215G; 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:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.3(988); SEMCAD X 14.6.8(7028)

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 7.65 dBA/m

BWC Factor = 0.17 dB

Location: 4.2, -4.2, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

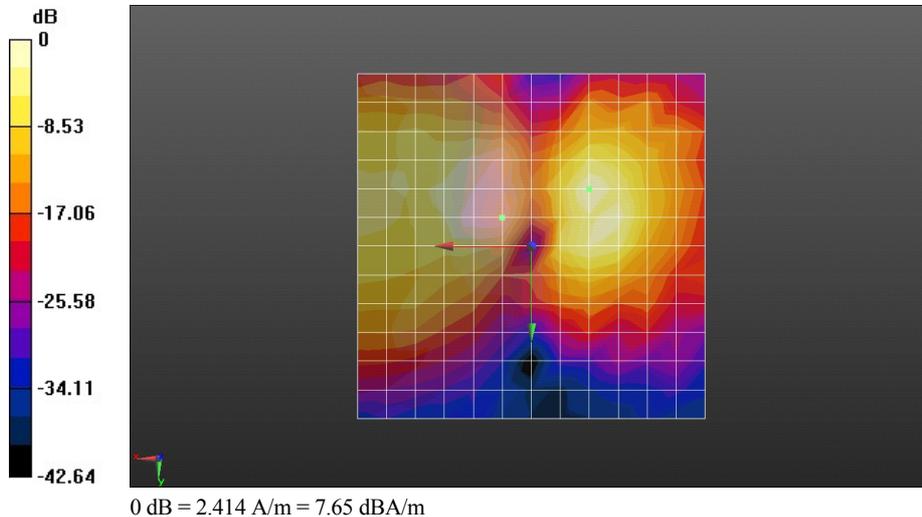
**Cursor:**

ABM1/ABM2 = 33.00 dB

ABM1 comp = 7.65 dBA/m

BWC Factor = 0.17 dB

Location: -8.3, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

### HAC-T-Coil-H215G-GSM850-190CH with battery 2#

**DUT: H215G; 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:  $\sigma = 0$  mho/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 6.86 dBA/m

BWC Factor = 10.81 dB

Location: -8.3, -8.3, 3.7 mm

### T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 32.01 dB

ABM1 comp = 6.86 dBA/m

BWC Factor = 10.81 dB

Location: -8.3, -8.3, 3.7 mm

### T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

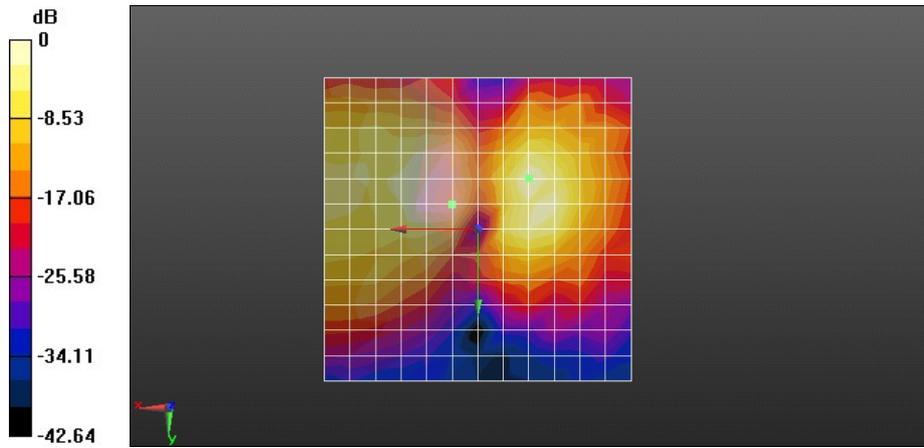
Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

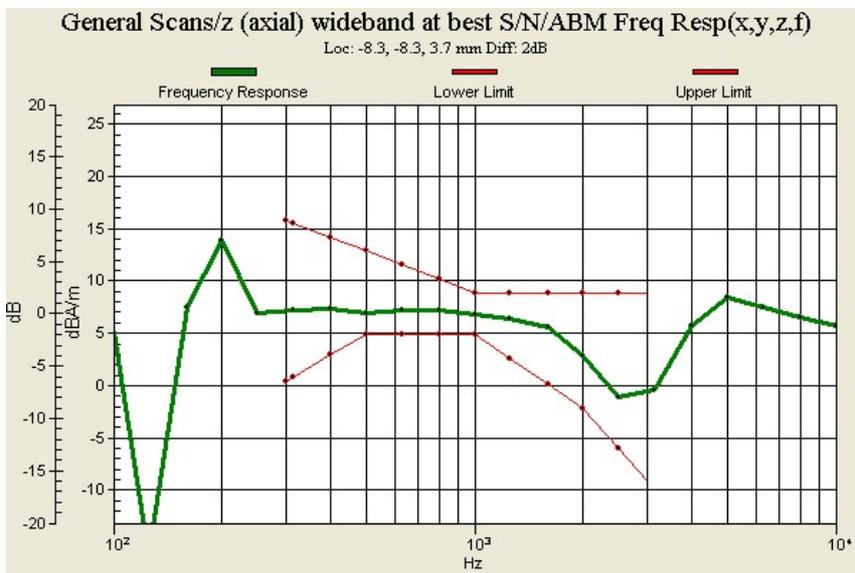
Diff = 2.00 dB

BWC Factor = 10.81 dB

Location: -8.3, -8.3, 3.7 mm



0 dB = 2.414 A/m = 7.65 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-GSM1900-661CH with battery 1#**

**DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SARI**

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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -2.61 dBA/m

BWC Factor = 0.17 dB

Location: -8.3, -12.5, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

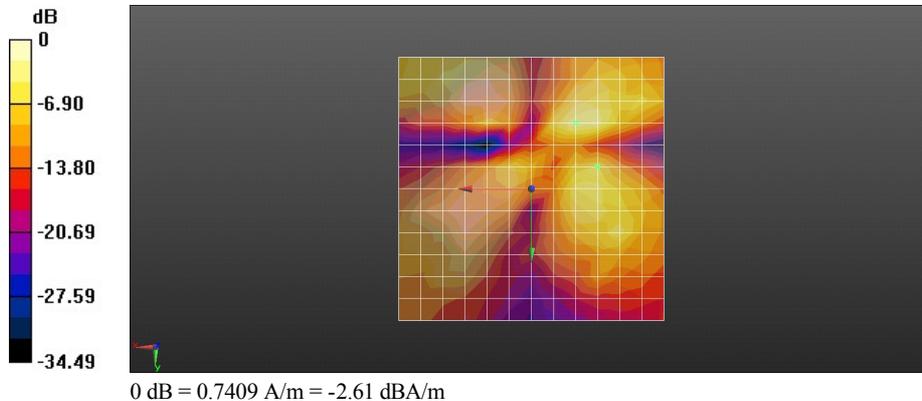
**Cursor:**

ABM1/ABM2 = 31.53 dB

ABM1 comp = -9.25 dBA/m

BWC Factor = 0.17 dB

Location: -12.5, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-GSM1900-661CH with battery 1#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 7.65 dBA/m

BWC Factor = 0.17 dB

Location: -8.3, -8.3, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

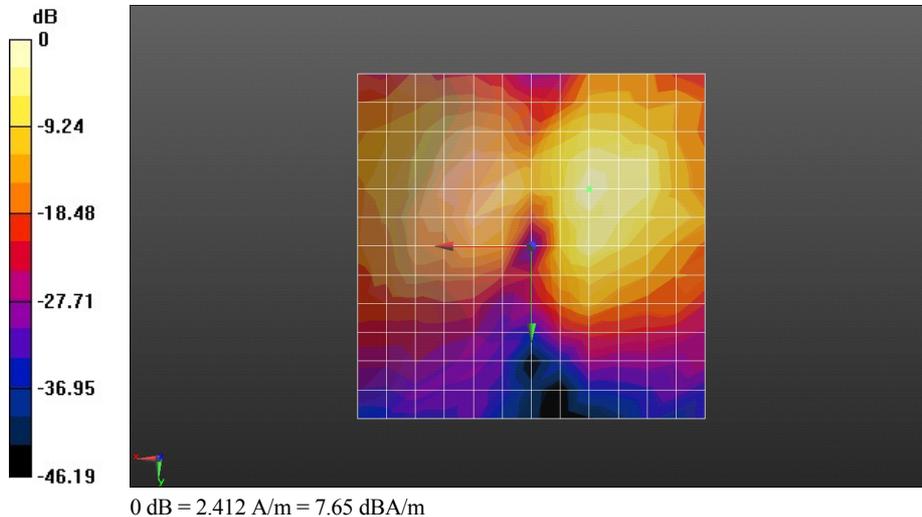
**Cursor:**

ABM1/ABM2 = 34.38 dB

ABM1 comp = 7.65 dBA/m

BWC Factor = 0.17 dB

Location: -8.3, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-GSM1900-661CH with battery 1#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface),  $z = 3.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 9.10 dBA/m

BWC Factor = 10.81 dB

Location: -8.3, -8.3, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 35.78 dB

ABM1 comp = 9.10 dBA/m

BWC Factor = 10.81 dB

Location: -8.3, -8.3, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

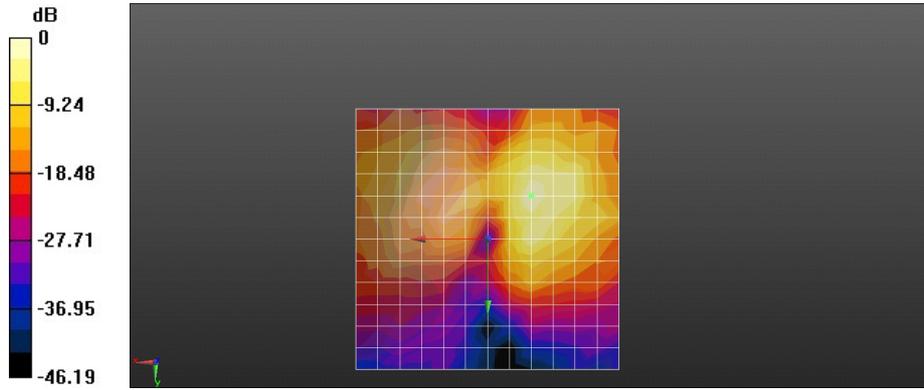
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

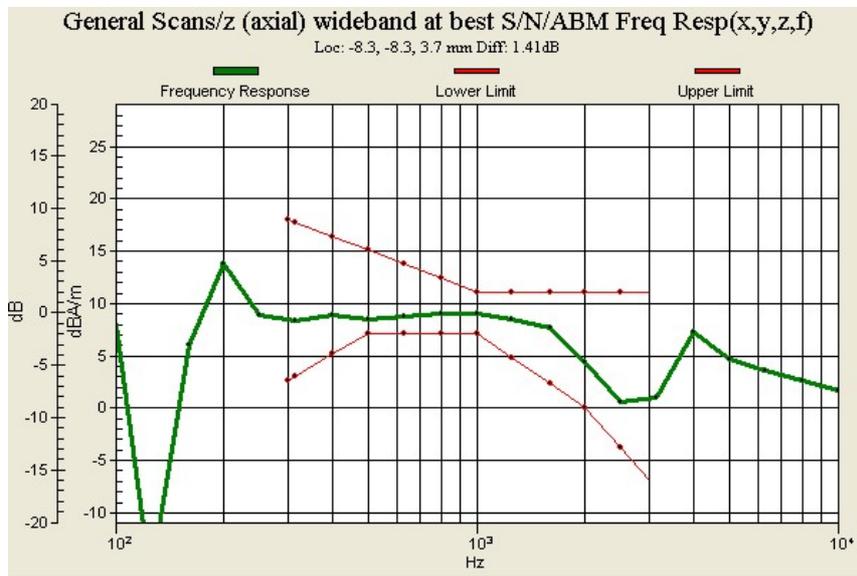
Diff = 1.41 dB

BWC Factor = 10.81 dB

Location: -8.3, -8.3, 3.7 mm



0 dB = 2.412 A/m = 7.65 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-GSM1900-661CH with battery 2#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -2.15 dBA/m

BWC Factor = 0.17 dB

Location: -8.3, -16.7, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

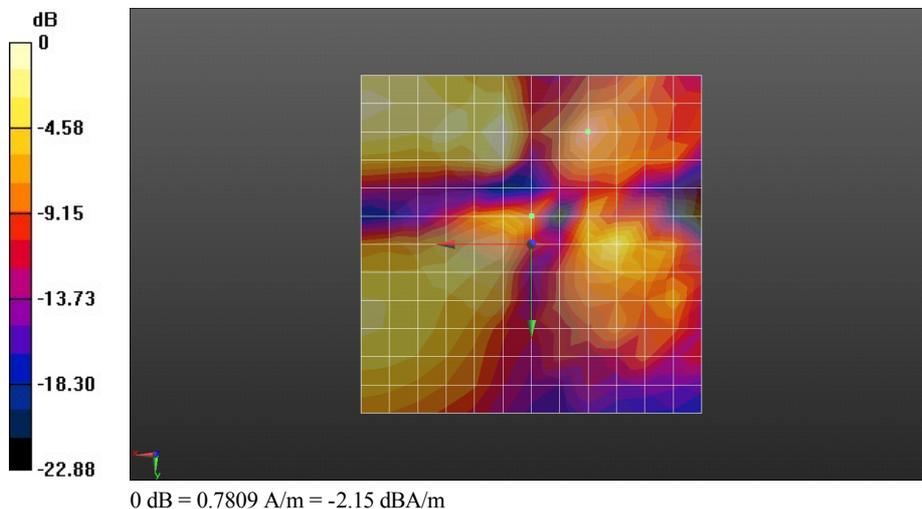
**Cursor:**

ABM1/ABM2 = 30.95 dB

ABM1 comp = -11.26 dBA/m

BWC Factor = 0.17 dB

Location: 0, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-GSM1900-661CH with battery 2#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 6.43 dBA/m

BWC Factor = 0.17 dB

Location: 4.2, -4.2, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

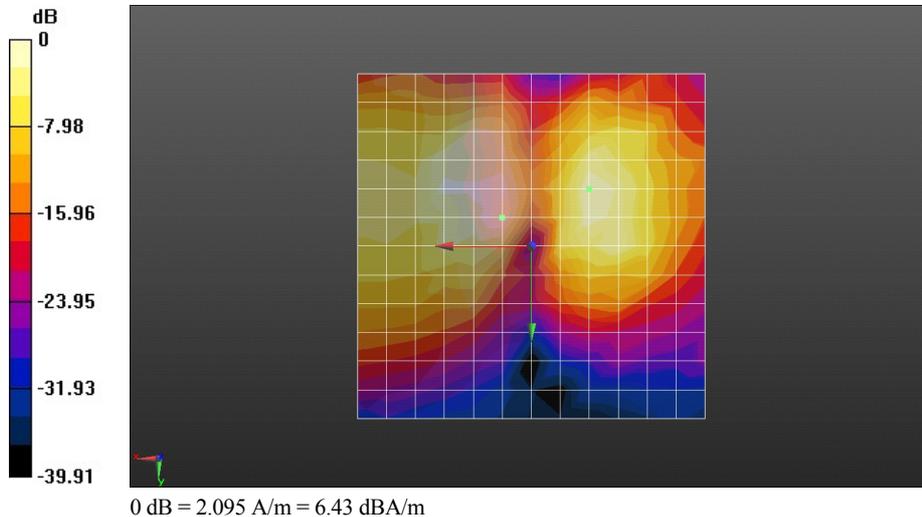
**Cursor:**

ABM1/ABM2 = 30.16 dB

ABM1 comp = 5.41 dBA/m

BWC Factor = 0.17 dB

Location: -8.3, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-GSM1900-661CH with battery 2#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 8.23 dBA/m

BWC Factor = 10.81 dB

Location: -8.3, -8.3, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 33.05 dB

ABM1 comp = 8.23 dBA/m

BWC Factor = 10.81 dB

Location: -8.3, -8.3, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

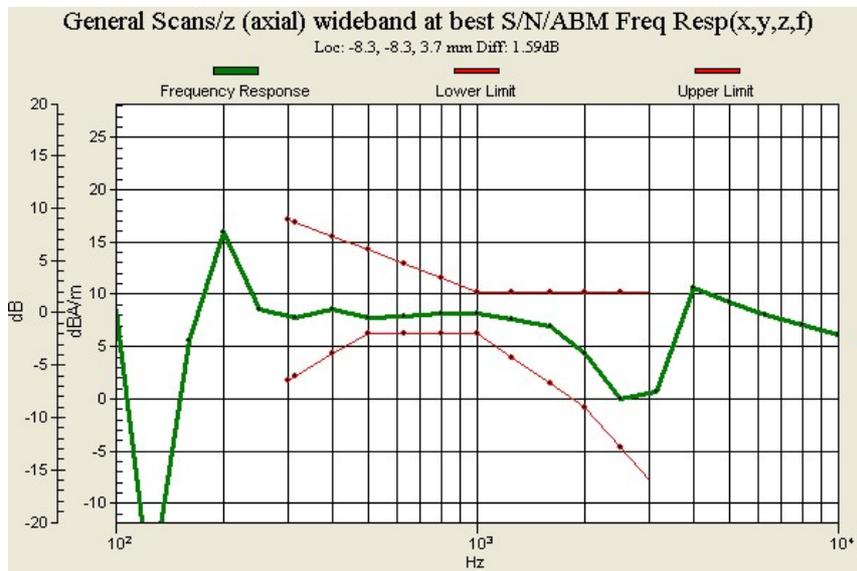
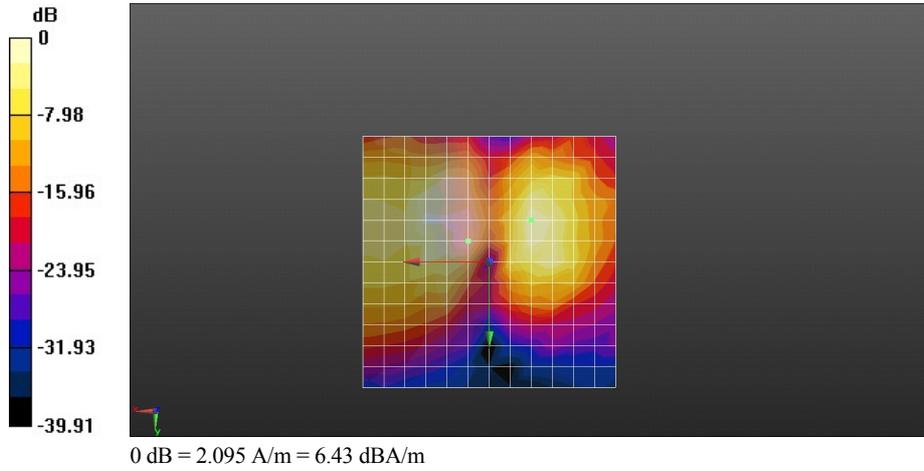
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

Diff = 1.59 dB

BWC Factor = 10.81 dB

Location: -8.3, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-UMTS Band II-9400CH with battery 1#****DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -5.95 dBA/m

BWC Factor = 0.11 dB

Location: -8.3, -16.7, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

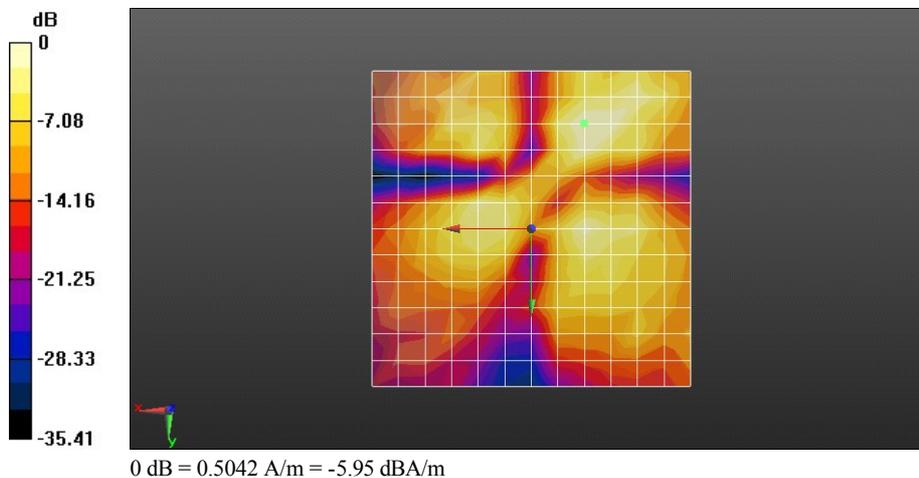
**Cursor:**

ABM1/ABM2 = 40.24 dB

ABM1 comp = -5.95 dBA/m

BWC Factor = 0.11 dB

Location: -8.3, -16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-UMTS Band II-9400CH with battery 1#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 4.95 dBA/m

BWC Factor = 0.11 dB

Location: 4.2, -8.3, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

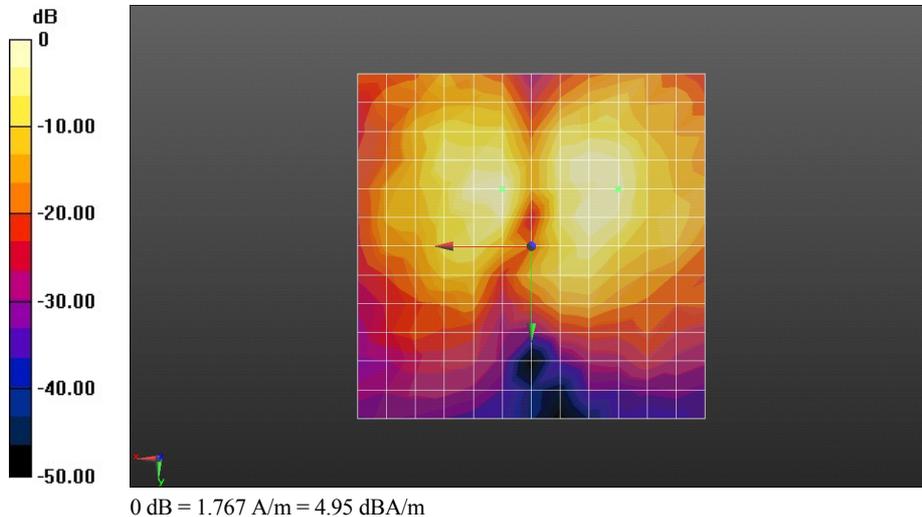
**Cursor:**

ABM1/ABM2 = 41.51 dB

ABM1 comp = 3.15 dBA/m

BWC Factor = 0.11 dB

Location: -12.5, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

### **HAC-T-Coil-H215G-UMTS Band II-9400CH with battery 1#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface),  $z = 3.0$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.76 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 0.66 dBA/m

BWC Factor = 10.76 dB

Location: -12.5, -8.3, 3.7 mm

### **T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.76 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1/ABM2 = 38.81 dB

ABM1 comp = 0.66 dBA/m

BWC Factor = 10.76 dB

Location: -12.5, -8.3, 3.7 mm

### **T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.76 dB

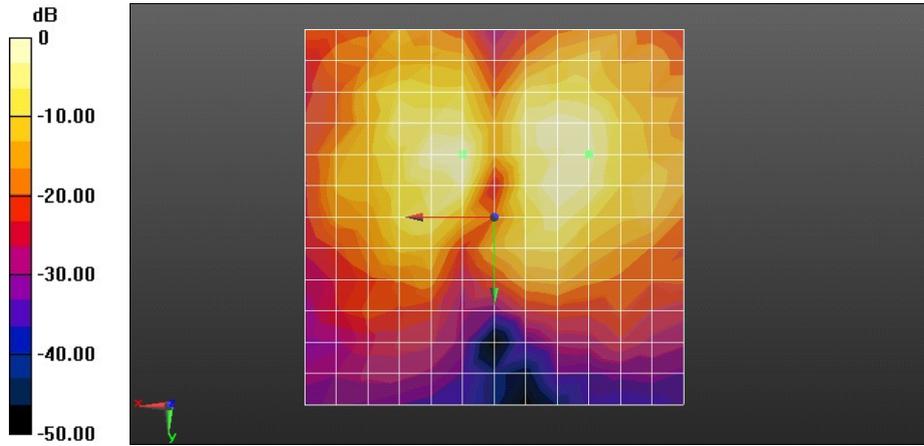
Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

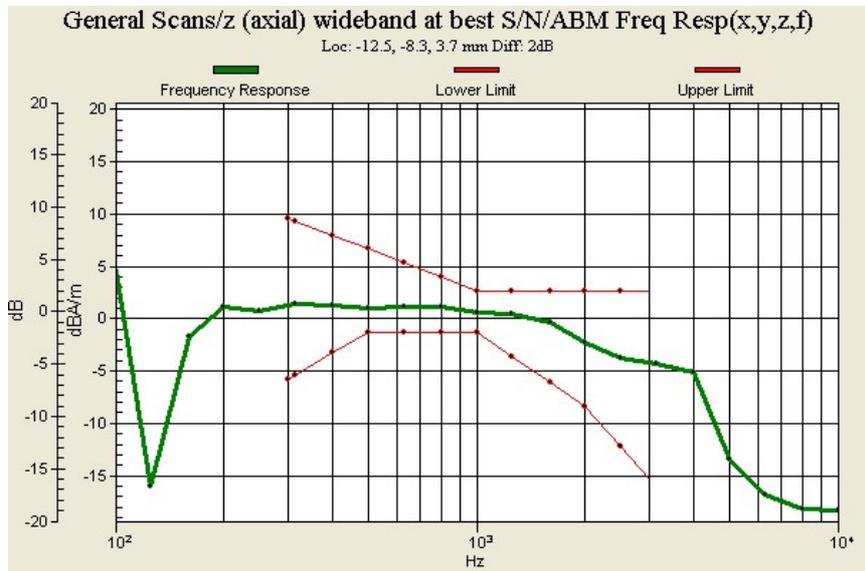
Diff = 2.00 dB

BWC Factor = 10.76 dB

Location: -12.5, -8.3, 3.7 mm



0 dB = 1.767 A/m = 4.95 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-UMTS Band II-9400CH with battery 2#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -6.16 dBA/m

BWC Factor = 0.11 dB

Location: -8.3, -16.7, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

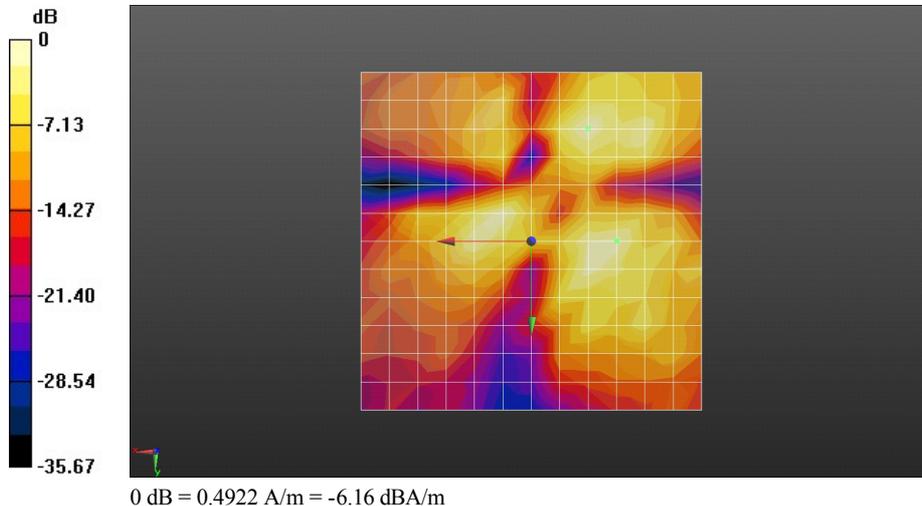
**Cursor:**

ABM1/ABM2 = 40.07 dB

ABM1 comp = -7.41 dBA/m

BWC Factor = 0.11 dB

Location: -12.5, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-UMTS Band II-9400CH with battery 2#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 4.63 dBA/m

BWC Factor = 0.11 dB

Location: 8.3, -8.3, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

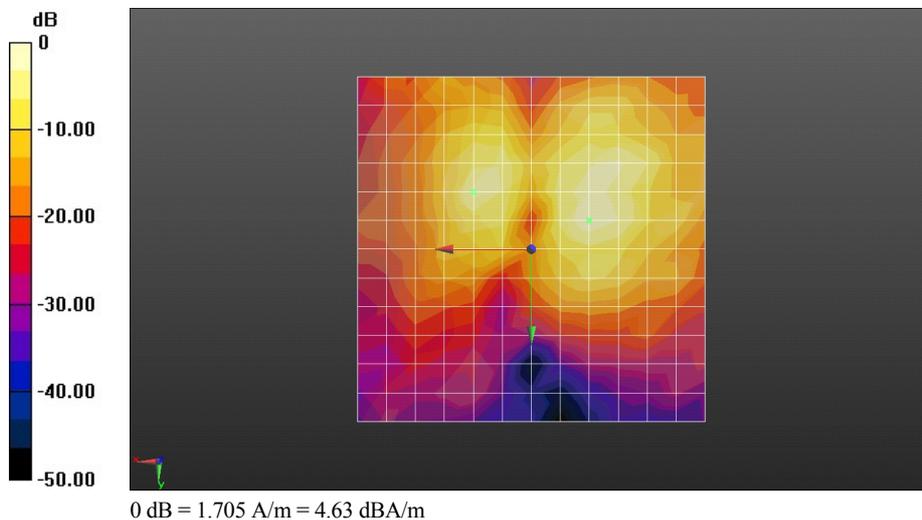
**Cursor:**

ABM1/ABM2 = 41.70 dB

ABM1 comp = 4.02 dBA/m

BWC Factor = 0.11 dB

Location: -8.3, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-H215G-UMTS Band II-9400CH with battery 2#

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.75 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 3.58 dBA/m

BWC Factor = 10.75 dB

Location: -8.3, -4.2, 3.7 mm

### T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.75 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 41.02 dB

ABM1 comp = 3.58 dBA/m

BWC Factor = 10.75 dB

Location: -8.3, -4.2, 3.7 mm

### T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.75 dB

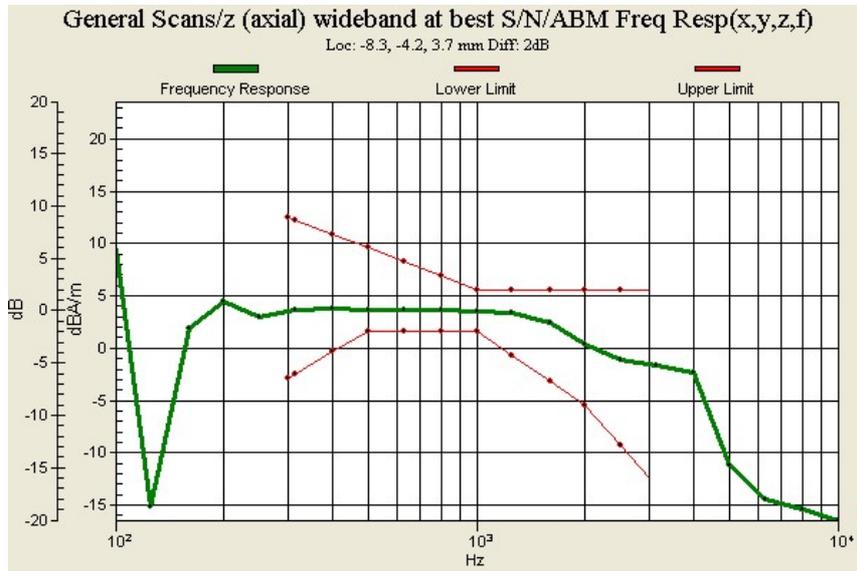
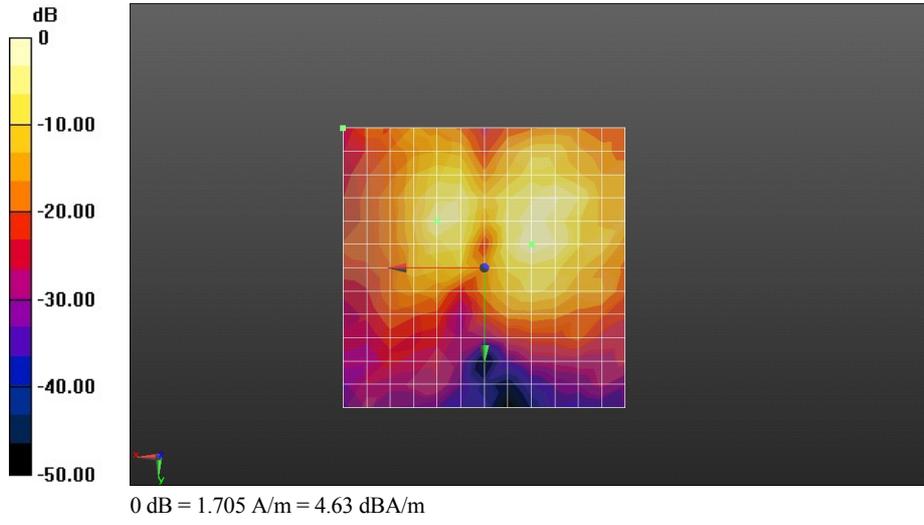
Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

Diff = 2.00 dB

BWC Factor = 10.75 dB

Location: -8.3, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-UMTS Band V-4182CH with battery 1#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -6.66 dBA/m

BWC Factor = 0.11 dB

Location: 4.2, 0, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

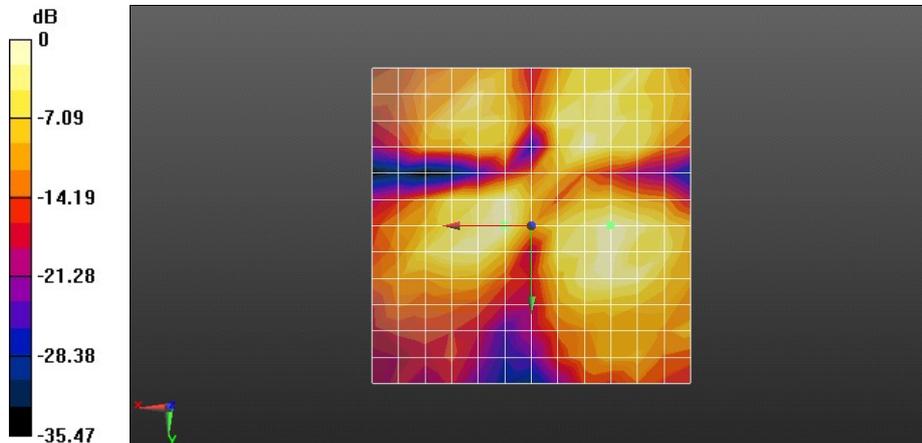
**Cursor:**

ABM1/ABM2 = 40.04 dB

ABM1 comp = -7.51 dBA/m

BWC Factor = 0.11 dB

Location: -12.5, 0, 3.7 mm



0 dB = 0.4645 A/m = -6.66 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-UMTS Band V-4182CH with battery 1#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 3.48 dBA/m

BWC Factor = 0.11 dB

Location: 8.3, -12.5, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

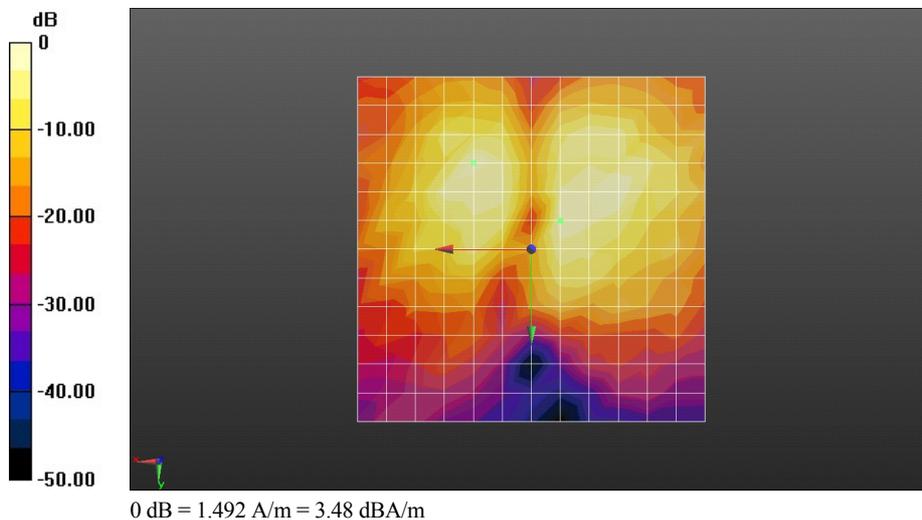
**Cursor:**

ABM1/ABM2 = 41.36 dB

ABM1 comp = 2.15 dBA/m

BWC Factor = 0.11 dB

Location: -4.2, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

### **HAC-T-Coil-H215G-UMTS Band V-4182CH with battery 1#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.75 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 0.11 dBA/m

BWC Factor = 10.75 dB

Location: -4.2, -4.2, 3.7 mm

### **T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.75 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1/ABM2 = 39.15 dB

ABM1 comp = 0.11 dBA/m

BWC Factor = 10.75 dB

Location: -4.2, -4.2, 3.7 mm

### **T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.75 dB

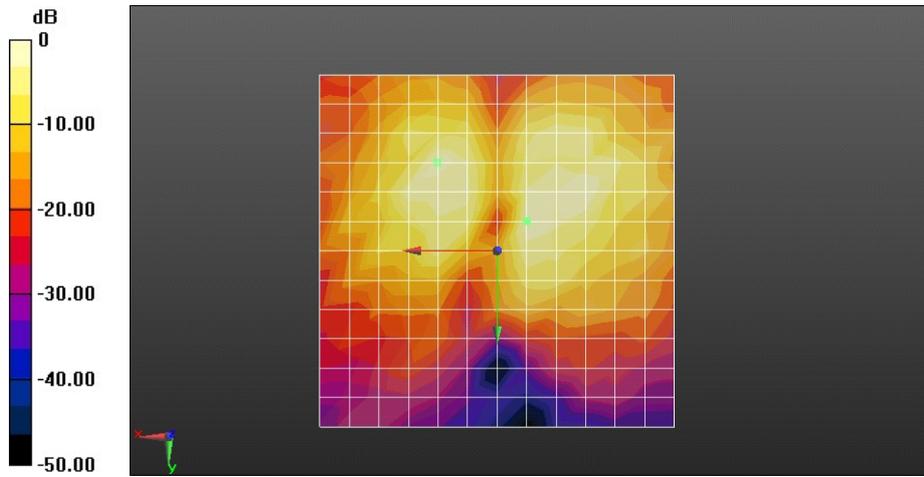
Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

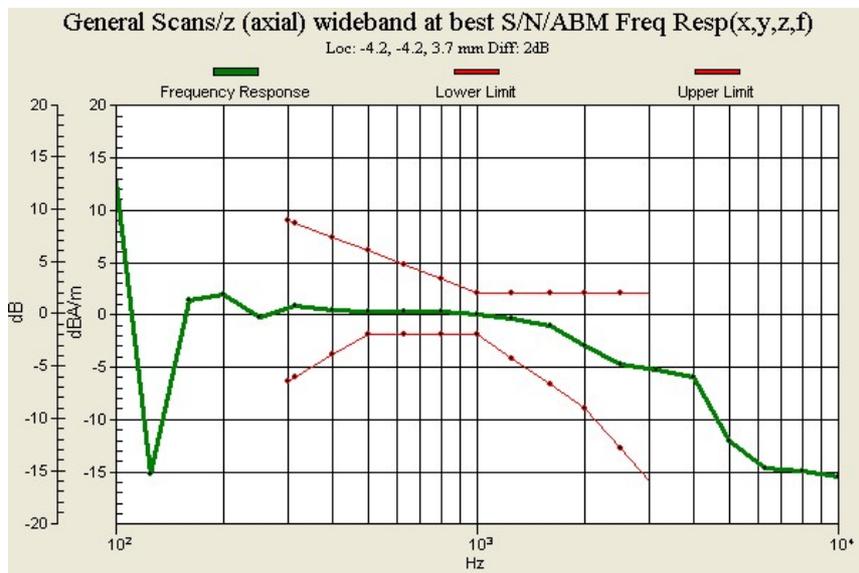
Diff = 2.00 dB

BWC Factor = 10.75 dB

Location: -4.2, -4.2, 3.7 mm



0 dB = 1.492 A/m = 3.48 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-UMTS Band V-4182CH with battery 2#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -6.26 dBA/m

BWC Factor = 0.11 dB

Location: -8.3, -16.7, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

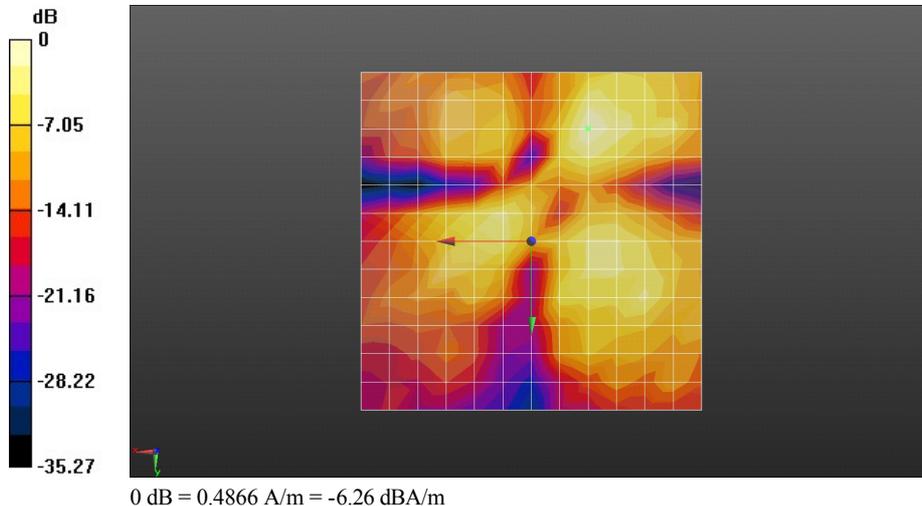
**Cursor:**

ABM1/ABM2 = 38.38 dB

ABM1 comp = -6.26 dBA/m

BWC Factor = 0.11 dB

Location: -8.3, -16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-H215G-UMTS Band V-4182CH with battery 2#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 4.69 dBA/m

BWC Factor = 0.11 dB

Location: 4.2, -8.3, 3.7 mm

**T-Coil scan (scan for ANSI C63.19-2011 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: 38.41

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.11 dB

Device Reference Point: 0, 0, -6.3 mm

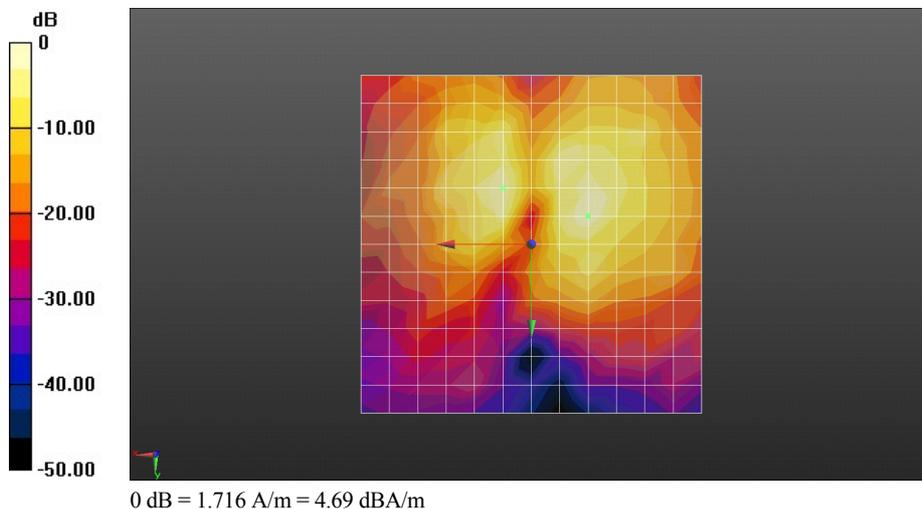
**Cursor:**

ABM1/ABM2 = 41.59 dB

ABM1 comp = 4.09 dBA/m

BWC Factor = 0.11 dB

Location: -8.3, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

### **HAC-T-Coil-H215G-UMTS Band V-4182CH with battery 2#**

**DUT: H215G; 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: AM1DV3 - 3067; ; Calibrated: 2013-1-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- 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 C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.75 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 1.85 dBA/m

BWC Factor = 10.75 dB

Location: -8.3, -4.2, 3.7 mm

### **T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.75 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1/ABM2 = 39.27 dB

ABM1 comp = 1.85 dBA/m

BWC Factor = 10.75 dB

Location: -8.3, -4.2, 3.7 mm

### **T-Coil scan (scan for ANSI C63.19-2011 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: 75.23

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.75 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

Diff = 2.00 dB

BWC Factor = 10.75 dB

Location: -8.3, -4.2, 3.7 mm

