



## **Appendix B T-coil Measurement Plots**

| <b>Table of contents</b>                        |
|-------------------------------------------------|
| <b>T-coil Measurement Plots of GSM850</b>       |
| <b>T-coil Measurement Plots of GSM1900</b>      |
| <b>T-coil Measurement Plots of UMTS Band V</b>  |
| <b>T-coil Measurement Plots of UMTS Band IV</b> |
| <b>T-coil Measurement Plots of UMTS Band II</b> |

Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-H891L-GSM850-190CH

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = -0.51 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

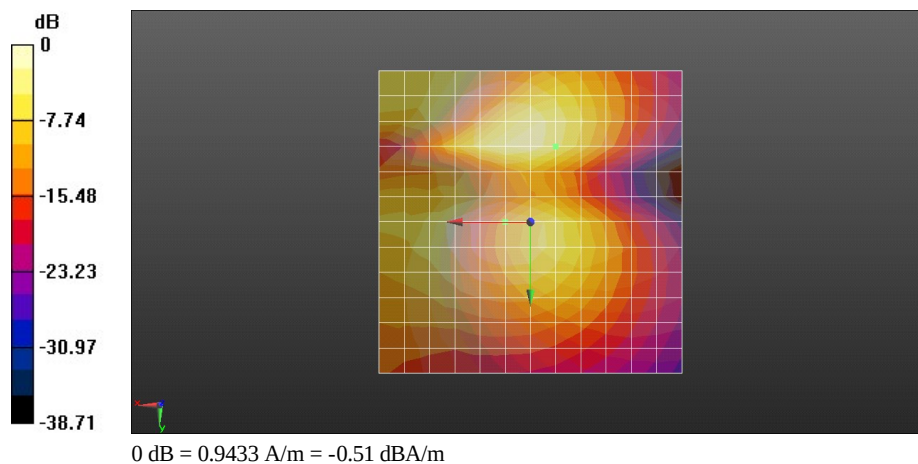
#### Cursor:

ABM1/ABM2 = 24.78 dB

ABM1 comp = -4.69 dBA/m

BWC Factor = 0.14 dB

Location: -4.2, -12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-H891L-GSM850-190CH

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); 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 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 7.33 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

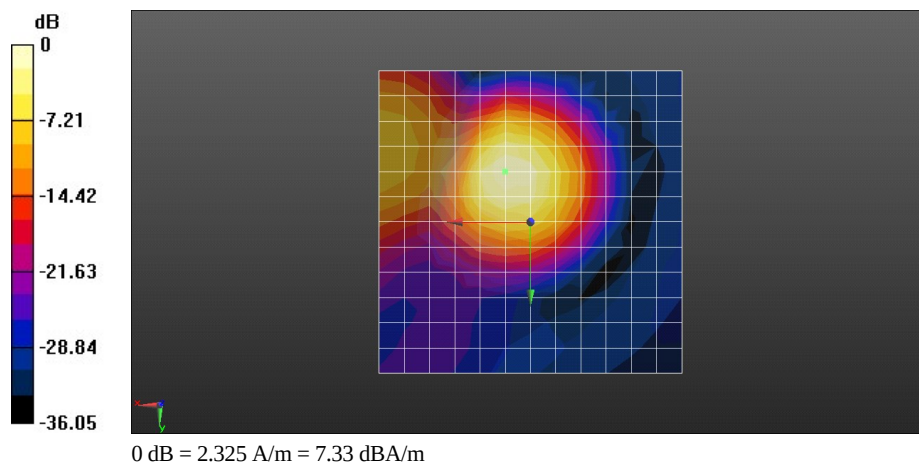
#### Cursor:

ABM1/ABM2 = 23.57 dB

ABM1 comp = 7.33 dBA/m

BWC Factor = 0.14 dB

Location: 4.2, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H891L-GSM850-190CH**

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); 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 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### **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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 7.67 dBA/m

BWC Factor = 10.78 dB

Location: 4.2, -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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1/ABM2 = 23.91 dB

ABM1 comp = 7.67 dBA/m

BWC Factor = 10.78 dB

Location: 4.2, -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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

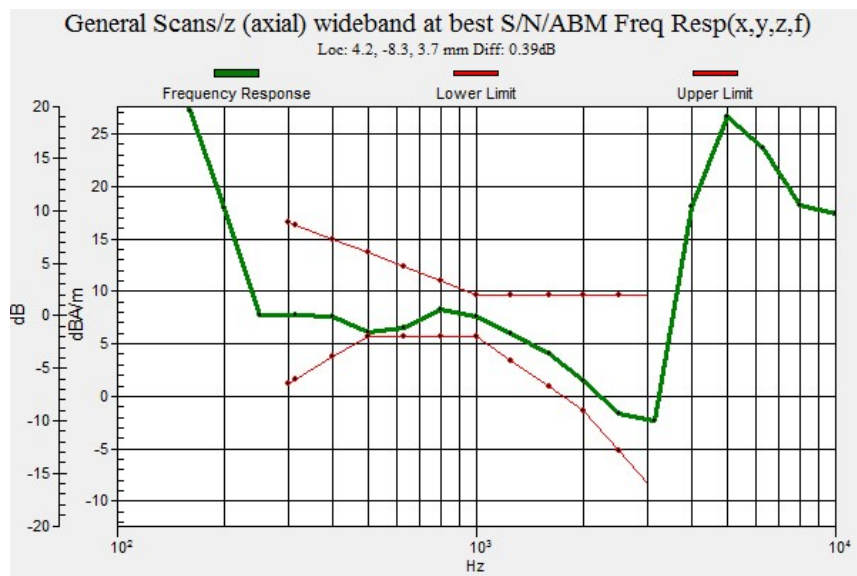
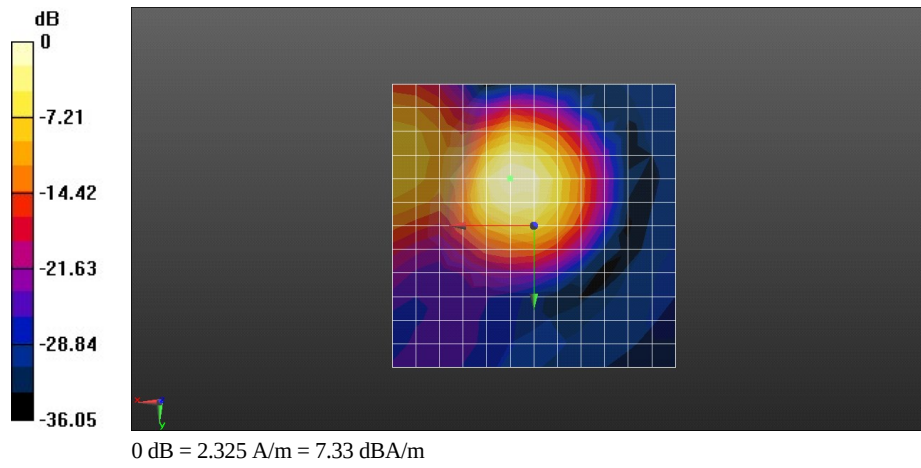
Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

Diff = 0.39 dB

BWC Factor = 10.78 dB

Location: 4.2, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-H891L-GSM1900-661CH

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = -0.31 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

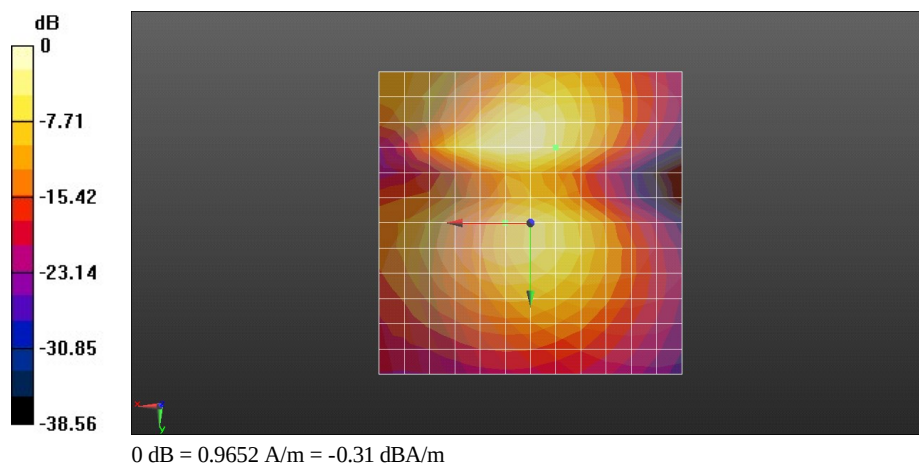
#### Cursor:

ABM1/ABM2 = 31.75 dB

ABM1 comp = -4.35 dBA/m

BWC Factor = 0.14 dB

Location: -4.2, -12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-H891L-GSM1900-661CH

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); Frequency: 1880 MHz;Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 7.35 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

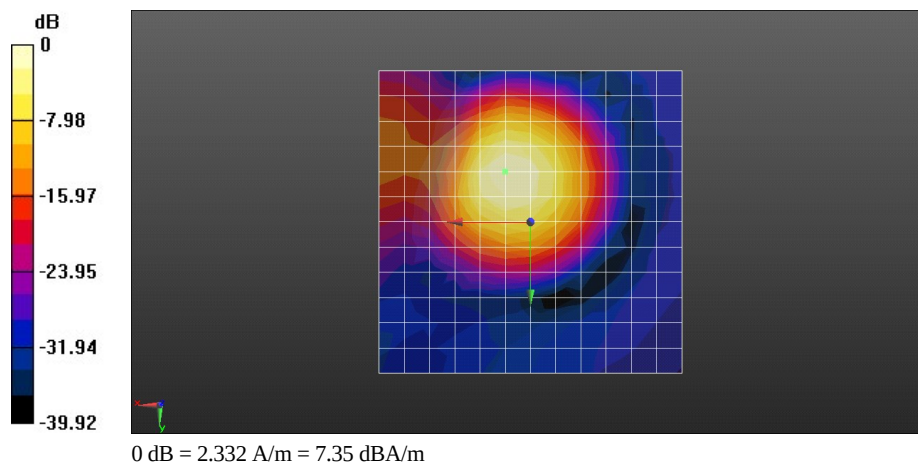
#### Cursor:

ABM1/ABM2 = 30.27 dB

ABM1 comp = 7.35 dBA/m

BWC Factor = 0.14 dB

Location: 4.2, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H891L-GSM1900-661CH**

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-GSM\GPRS\EGPRS-1TS (0); 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 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### **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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 7.68 dBA/m

BWC Factor = 10.78 dB

Location: 4.2, -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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1/ABM2 = 30.75 dB

ABM1 comp = 7.68 dBA/m

BWC Factor = 10.78 dB

Location: 4.2, -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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

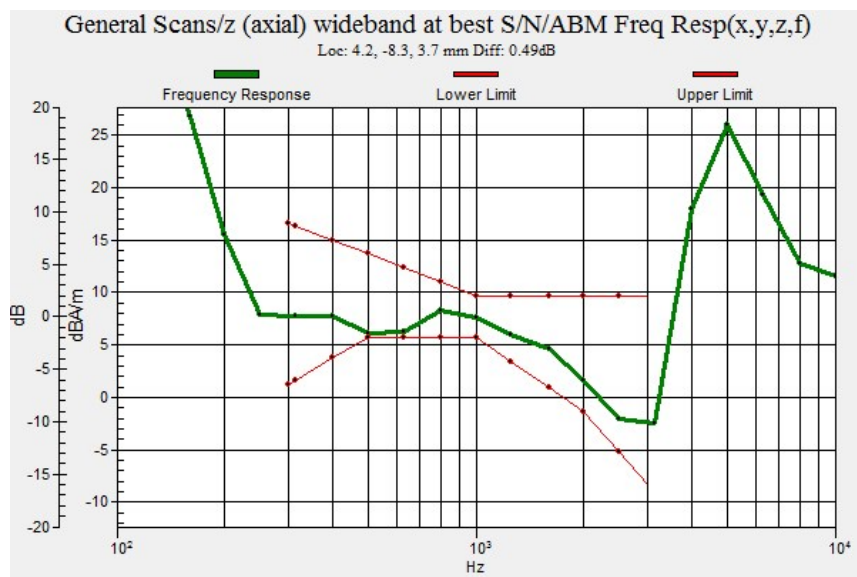
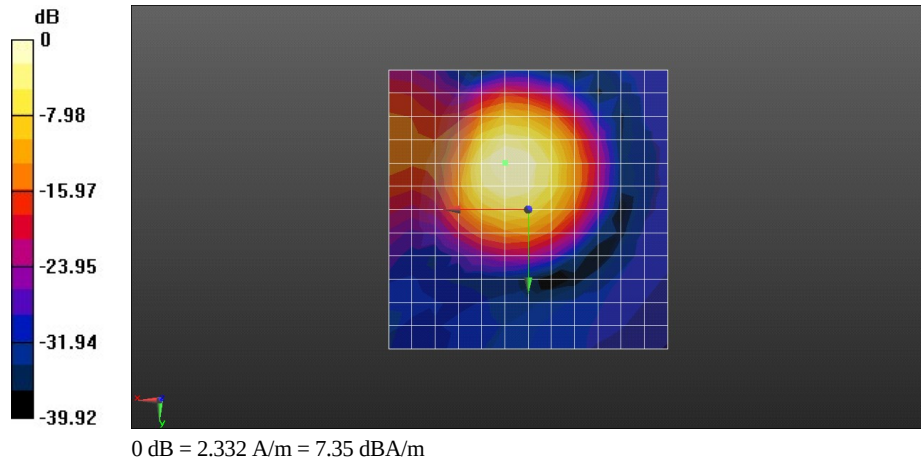
Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

Diff = 0.49 dB

BWC Factor = 10.78 dB

Location: 4.2, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-H891L-UMTS Band V-4182CH

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 0.08 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

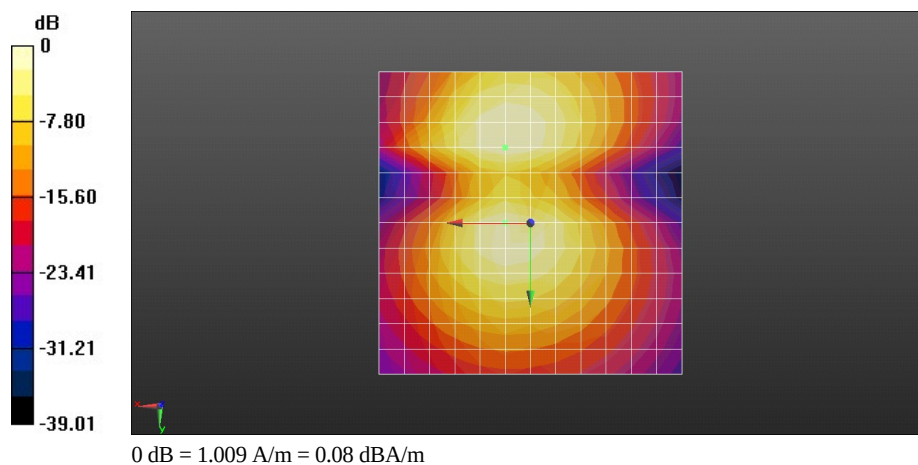
#### Cursor:

ABM1/ABM2 = 44.42 dB

ABM1 comp = -0.35 dBA/m

BWC Factor = 0.14 dB

Location: 4.2, -12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-H891L-UMTS Band V-4182CH

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); 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 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 7.95 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

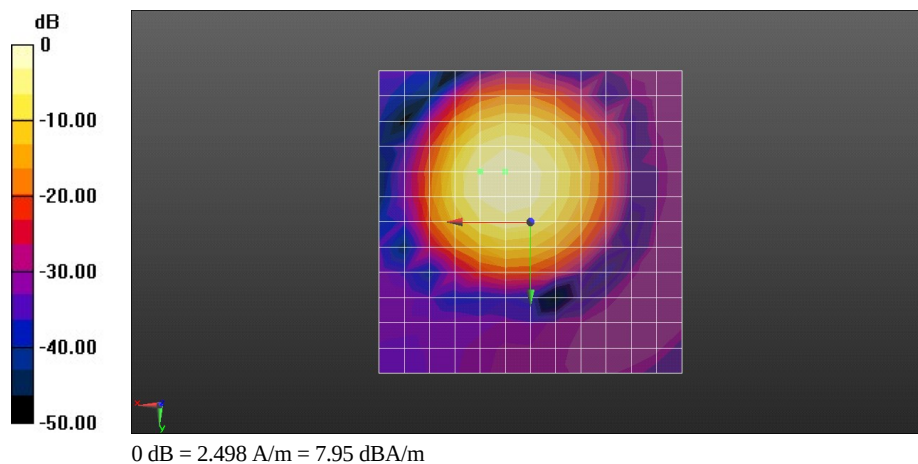
#### Cursor:

ABM1/ABM2 = 44.62 dB

ABM1 comp = 5.29 dBA/m

BWC Factor = 0.14 dB

Location: 8.3, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H891L-UMTS Band V-4182CH**

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); 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 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### **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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 4.54 dBA/m

BWC Factor = 10.78 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1/ABM2 = 44.08 dB

ABM1 comp = 4.54 dBA/m

BWC Factor = 10.78 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

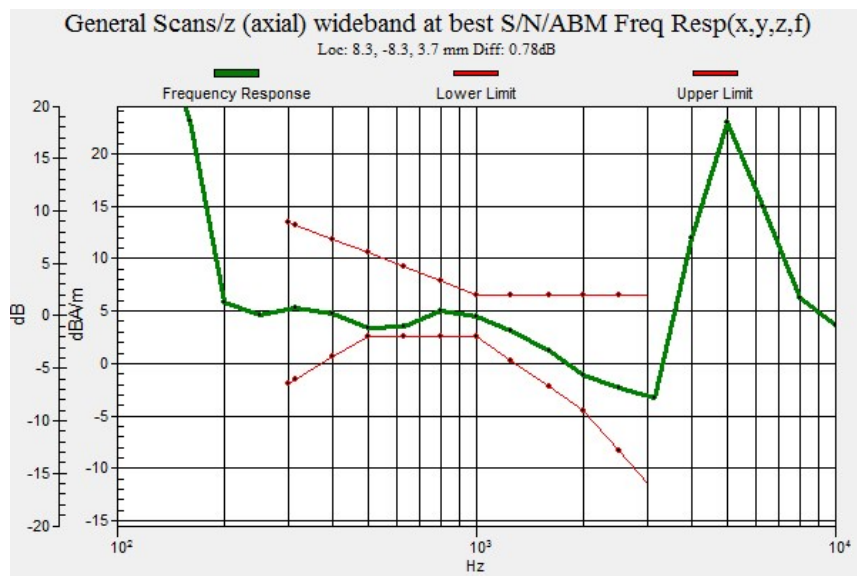
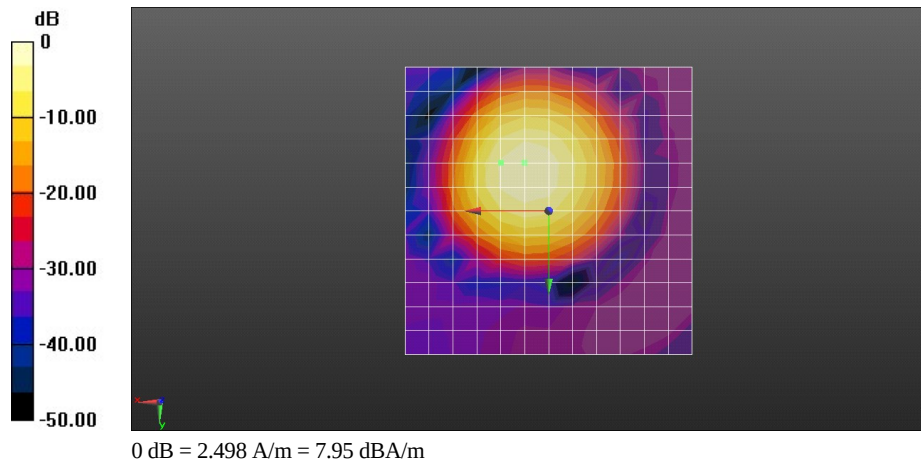
Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

Diff = 0.78 dB

BWC Factor = 10.78 dB

Location: 8.3, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-H891L-UMTS Band IV-1413CH

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1732.6 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 0.06 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

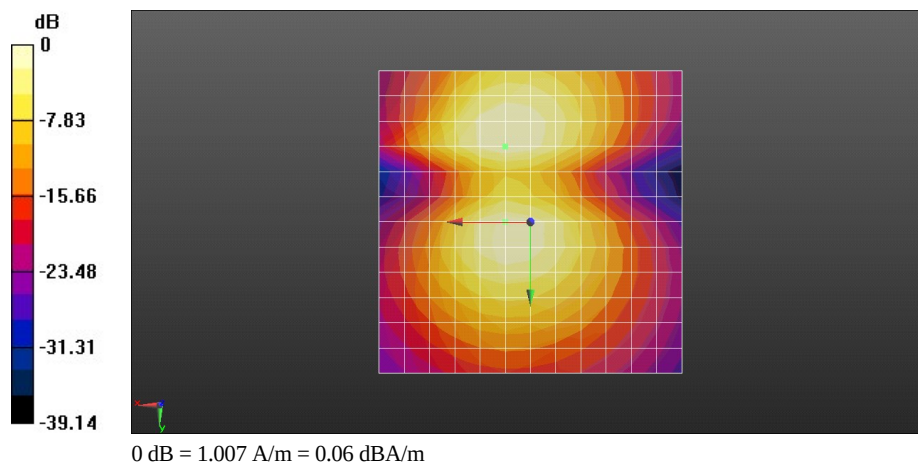
#### Cursor:

ABM1/ABM2 = 44.37 dB

ABM1 comp = -0.40 dBA/m

BWC Factor = 0.14 dB

Location: 4.2, -12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-H891L-UMTS Band IV-1413CH

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1732.6 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 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 7.86 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

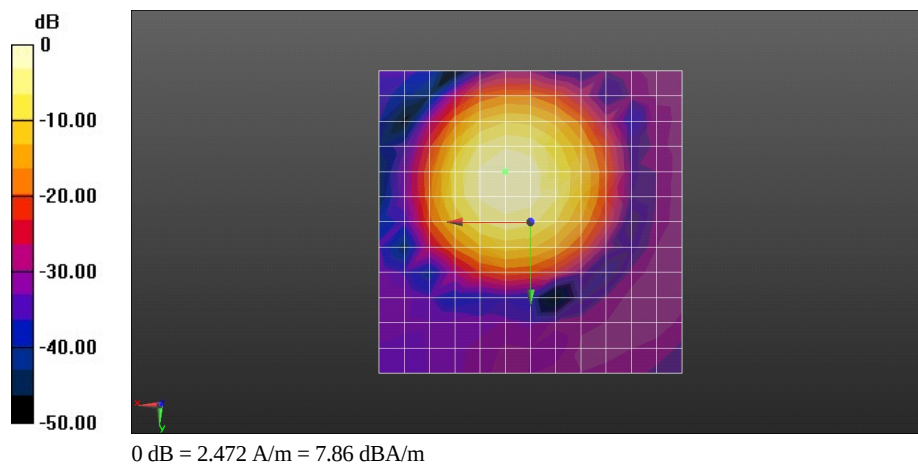
#### Cursor:

ABM1/ABM2 = 44.98 dB

ABM1 comp = 7.86 dBA/m

BWC Factor = 0.14 dB

Location: 4.2, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H891L-UMTS Band IV-1413CH**

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1732.6 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 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### **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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 7.17 dBA/m

BWC Factor = 10.78 dB

Location: 4.2, -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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1/ABM2 = 44.42 dB

ABM1 comp = 7.17 dBA/m

BWC Factor = 10.78 dB

Location: 4.2, -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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

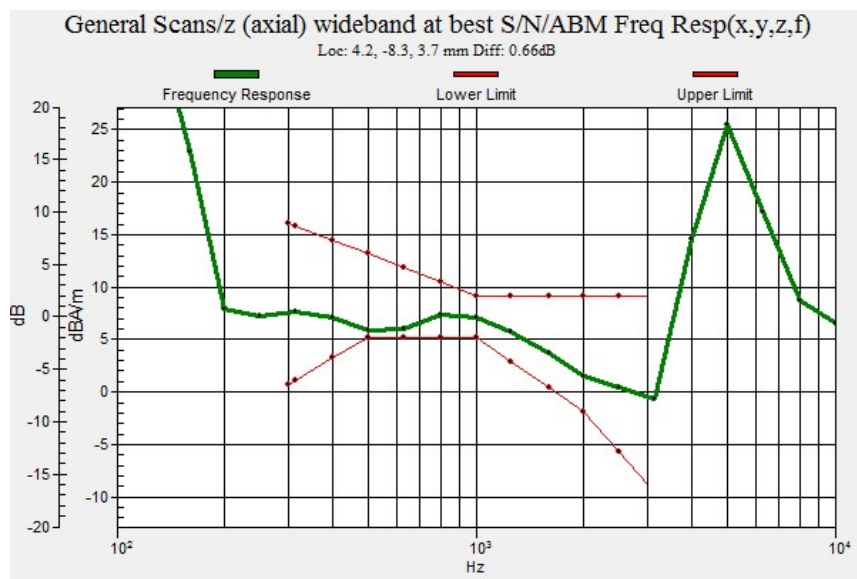
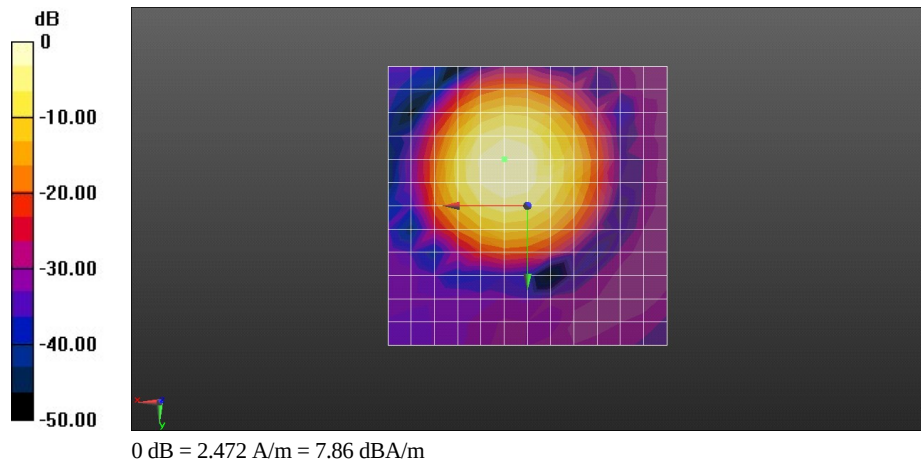
Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

Diff = 0.66 dB

BWC Factor = 10.78 dB

Location: 4.2, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-H891L-UMTS Band II-9400CH

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1880 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = -0.02 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

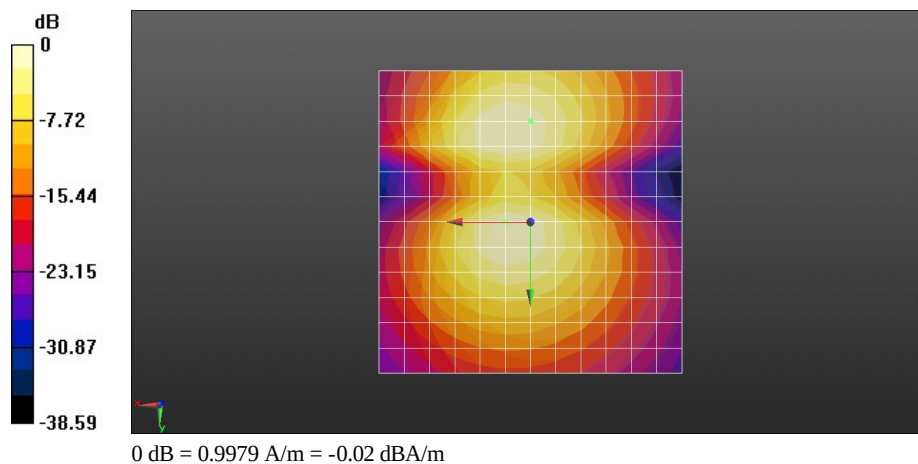
#### Cursor:

ABM1/ABM2 = 44.36 dB

ABM1 comp = -1.08 dBA/m

BWC Factor = 0.14 dB

Location: 0, -16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-H891L-UMTS Band II-9400CH

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); 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 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 7.92 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

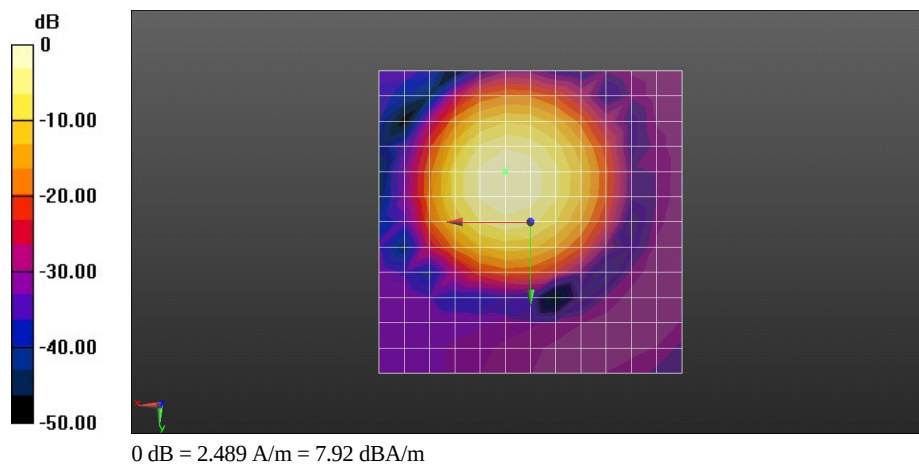
#### Cursor:

ABM1/ABM2 = 45.06 dB

ABM1 comp = 7.92 dBA/m

BWC Factor = 0.14 dB

Location: 4.2, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H891L-UMTS Band II-9400CH**

**DUT: H891L; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, HW-UMTS-FDD(WCDMA) (0); Frequency: 1880 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV3 - 3126; ; Calibrated: 2014-8-8
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn851; Calibrated: 2014-7-24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

### **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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 6.98 dBA/m

BWC Factor = 10.78 dB

Location: 4.2, -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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1/ABM2 = 44.36 dB

ABM1 comp = 6.98 dBA/m

BWC Factor = 10.78 dB

Location: 4.2, -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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

Diff = 0.85 dB

BWC Factor = 10.78 dB

Location: 4.2, -8.3, 3.7 mm

