



## Appendix A. T-Coil Measurement Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM850 190CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 5.64 dBA/m

BWC Factor = 0.14 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

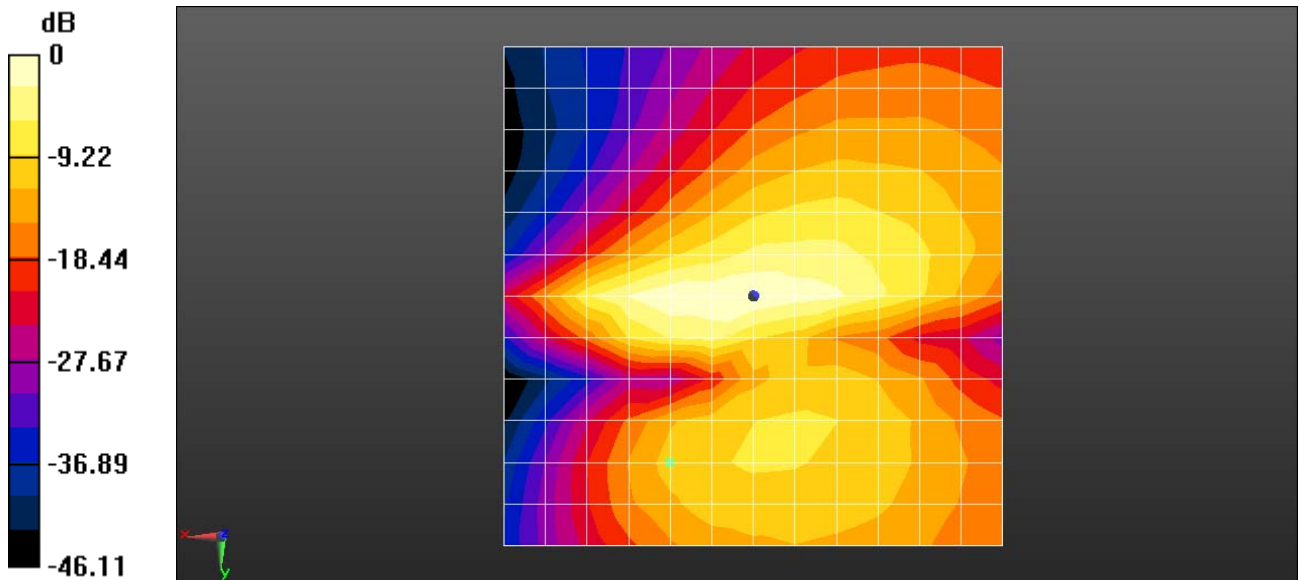
#### **Cursor:**

ABM1/ABM2 = 41.58 dB

ABM1 comp = 1.47 dBA/m

BWC Factor = 0.14 dB

Location: 0, 0, 3.7 mm



0 dB = 1.915 A/m = 5.64 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM850 190CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 13.24 dBA/m

BWC Factor = 0.14 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

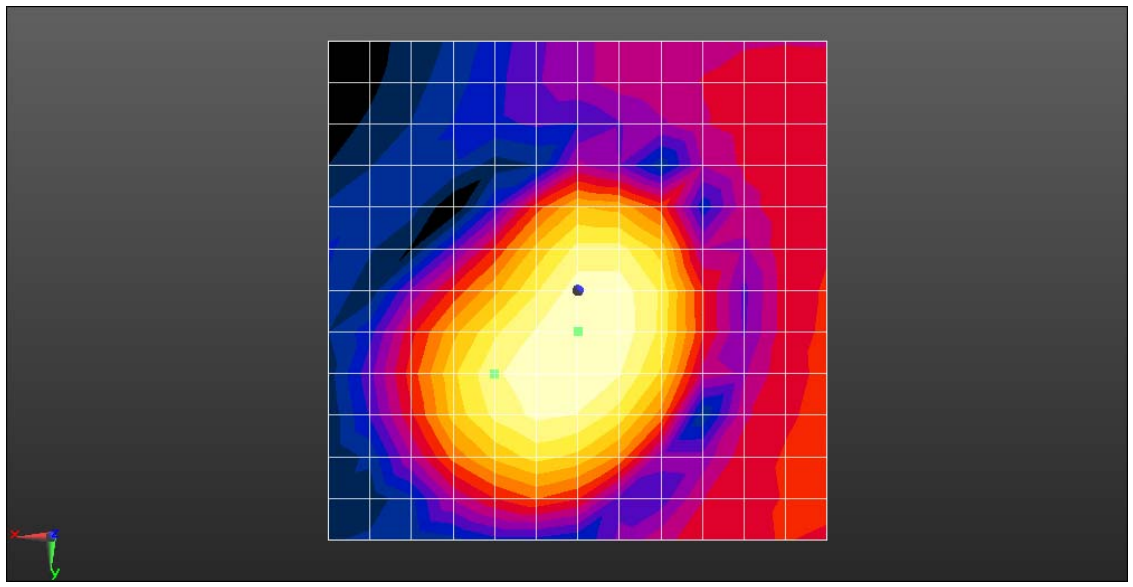
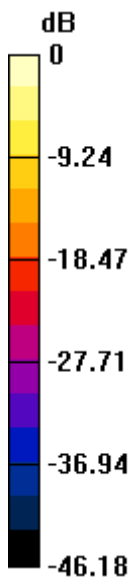
#### **Cursor:**

ABM1/ABM2 = 32.25 dB

ABM1 comp = 9.77 dBA/m

BWC Factor = 0.14 dB

Location: 0, 4.2, 3.7 mm



0 dB = 4.593 A/m = 13.24 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM850 190CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

### **Cursor:**

ABM1 comp = 3.77 dBA/m

BWC Factor = 10.78 dB

Location: 0, 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

### **Cursor:**

ABM1/ABM2 = 26.14 dB

ABM1 comp = 3.77 dBA/m

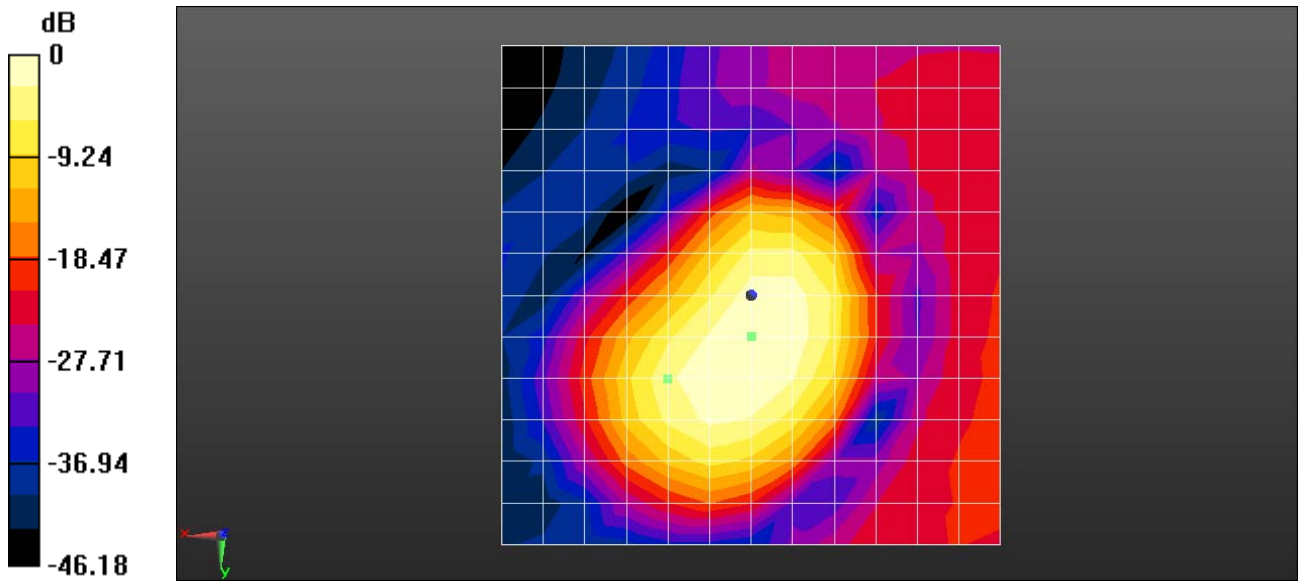
BWC Factor = 10.78 dB

Location: 0, 4.2, 3.7 mm

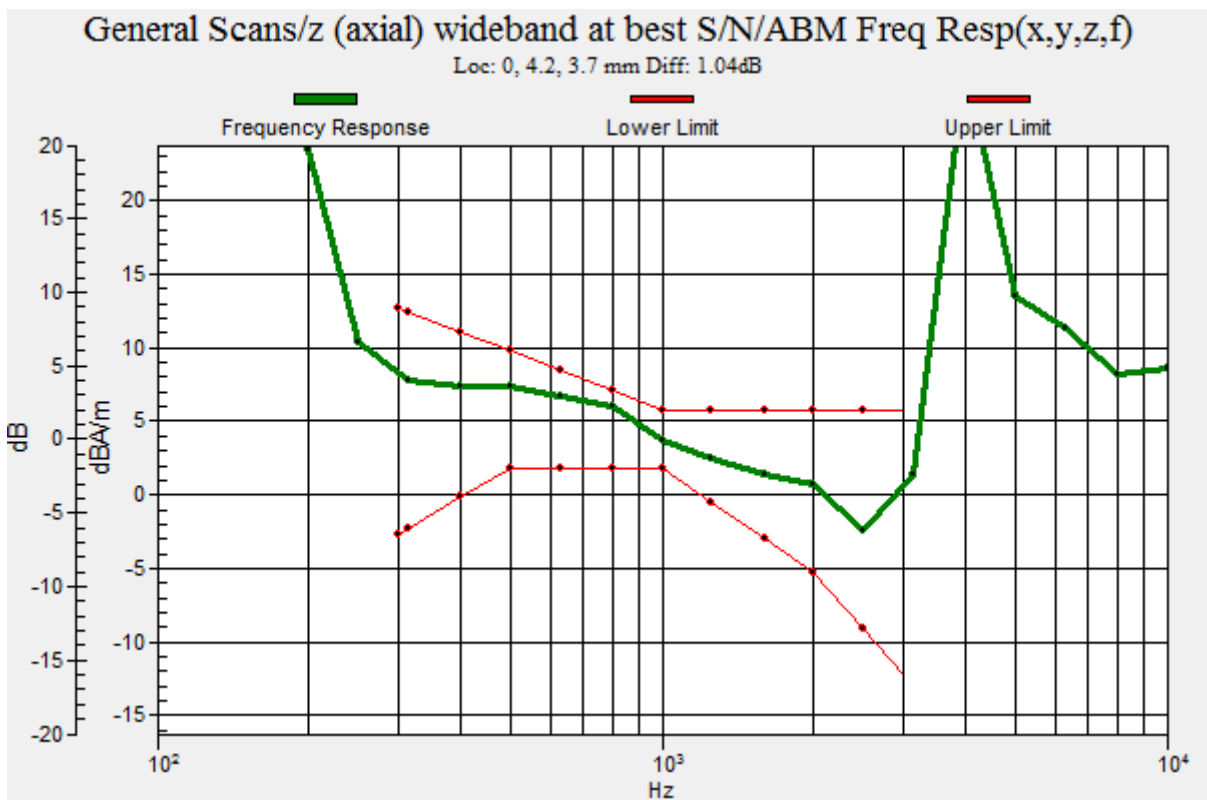
**T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans/z (axial)**

**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: 100  
 Measure Window Start: 300ms  
 Measure Window Length: 2000ms  
 BWC applied: 10.78 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**  
 Diff = 1.04 dB  
 BWC Factor = 10.78 dB  
 Location: 0, 4.2, 3.7 mm



0 dB = 4.593 A/m = 13.24 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM850 190CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = -0.33 dBA/m

BWC Factor = 0.12 dB

Location: 8.3, 4.2, 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

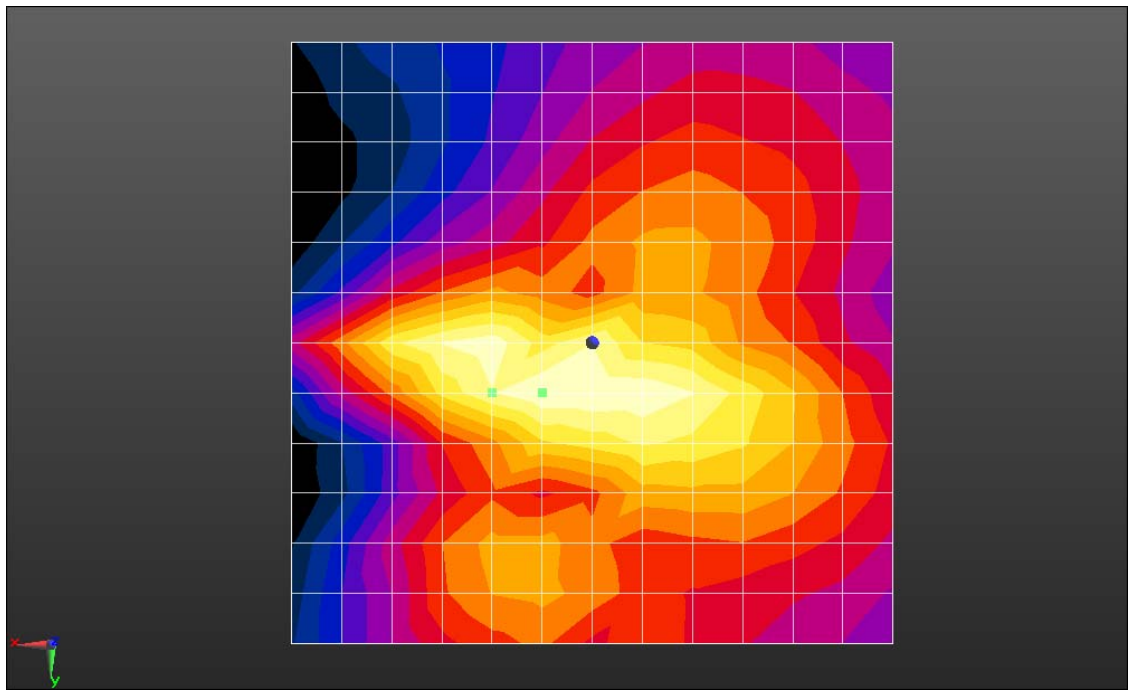
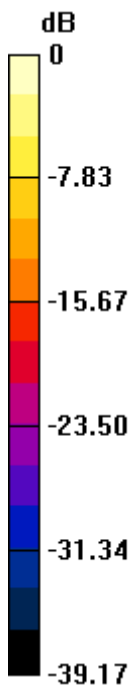
ABM1/ABM2 = 34.26 dB

ABM1 comp = -1.10 dBA/m

BWC Factor = 0.12 dB

Location: 4.2, 4.2, 3.7 mm





0 dB = 0.9624 A/m = -0.33 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM850 190CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 6.88 dBA/m

BWC Factor = 0.12 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

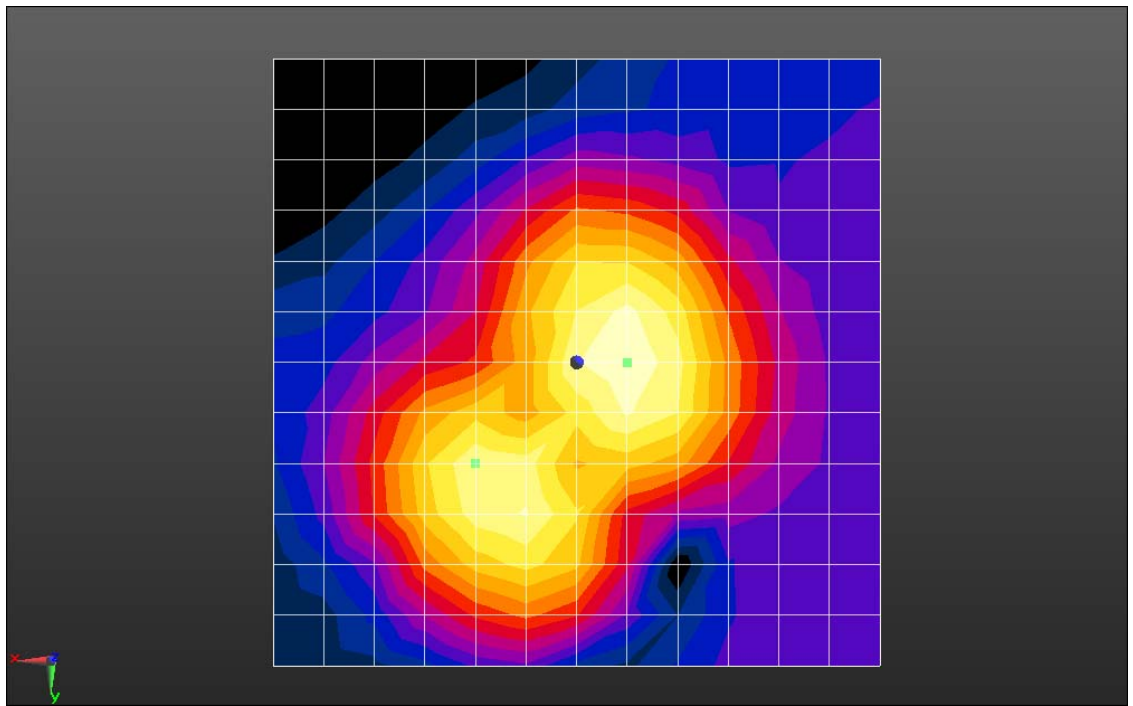
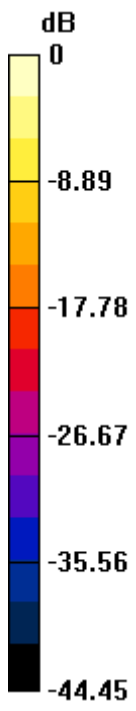
#### **Cursor:**

ABM1/ABM2 = 25.52 dB

ABM1 comp = -1.69 dBA/m

BWC Factor = 0.12 dB

Location: -4.2, 0, 3.7 mm



0 dB = 2.207 A/m = 6.88 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM850 190CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100  
Measure Window Start: 300ms  
Measure Window Length: 2000ms  
BWC applied: 10.76 dB  
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -5.25 dBA/m  
BWC Factor = 10.76 dB  
Location: -4.2, 0, 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: 100  
Measure Window Start: 300ms  
Measure Window Length: 2000ms  
BWC applied: 10.76 dB  
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 21.60 dB  
ABM1 comp = -5.25 dBA/m  
BWC Factor = 10.76 dB  
Location: -4.2, 0, 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.76 dB

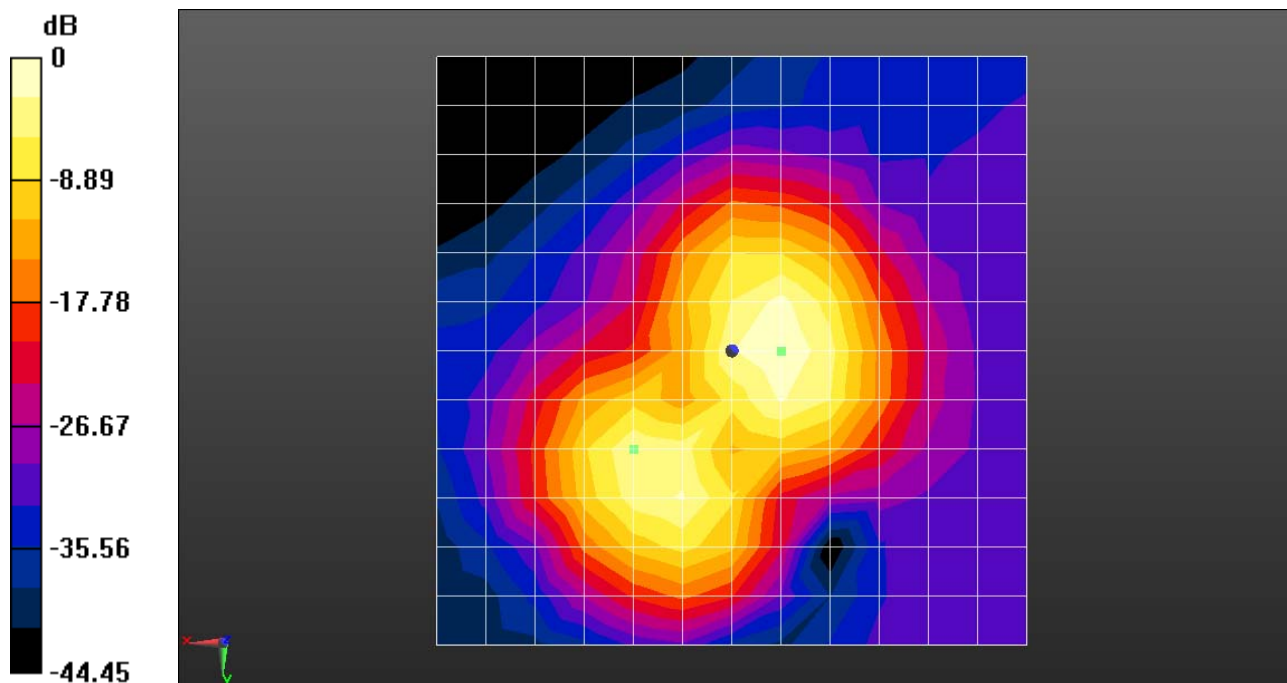
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.76 dB

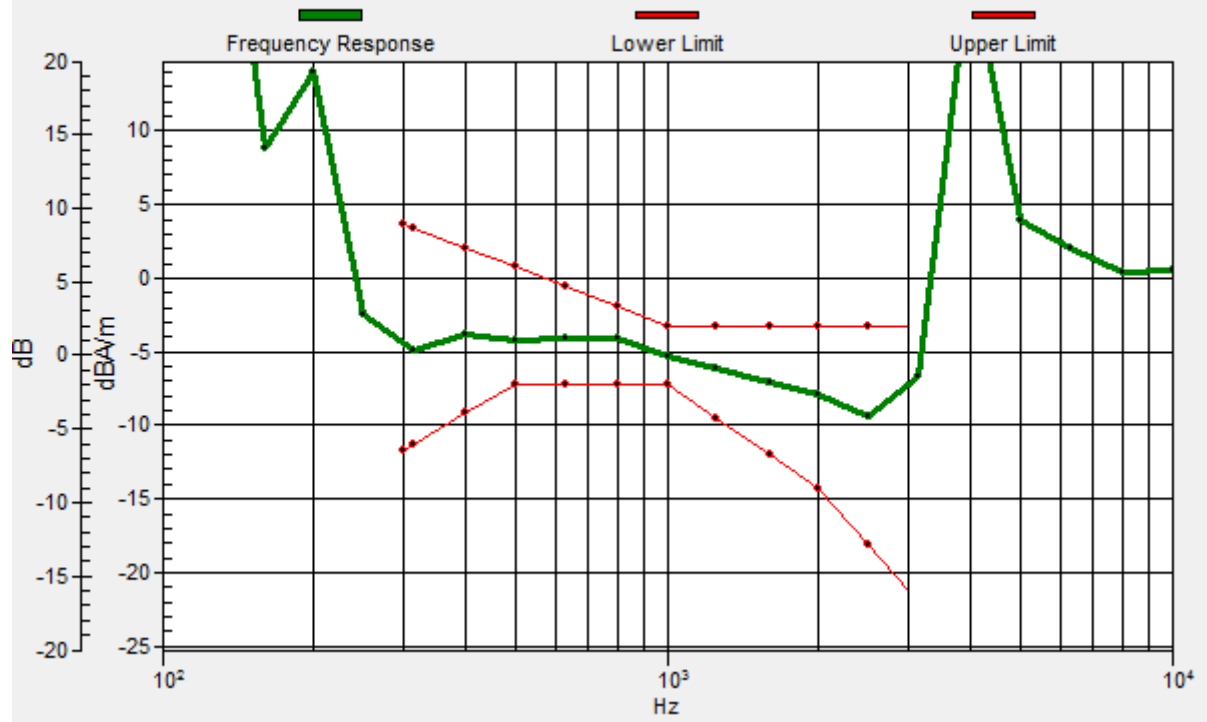
Location: -4.2, 0, 3.7 mm



0 dB = 2.207 A/m = 6.88 dBA/m

# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -4.2, 0, 3.7 mm Diff: 2dB



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM1900 661CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 5.55 dBA/m

BWC Factor = 0.13 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

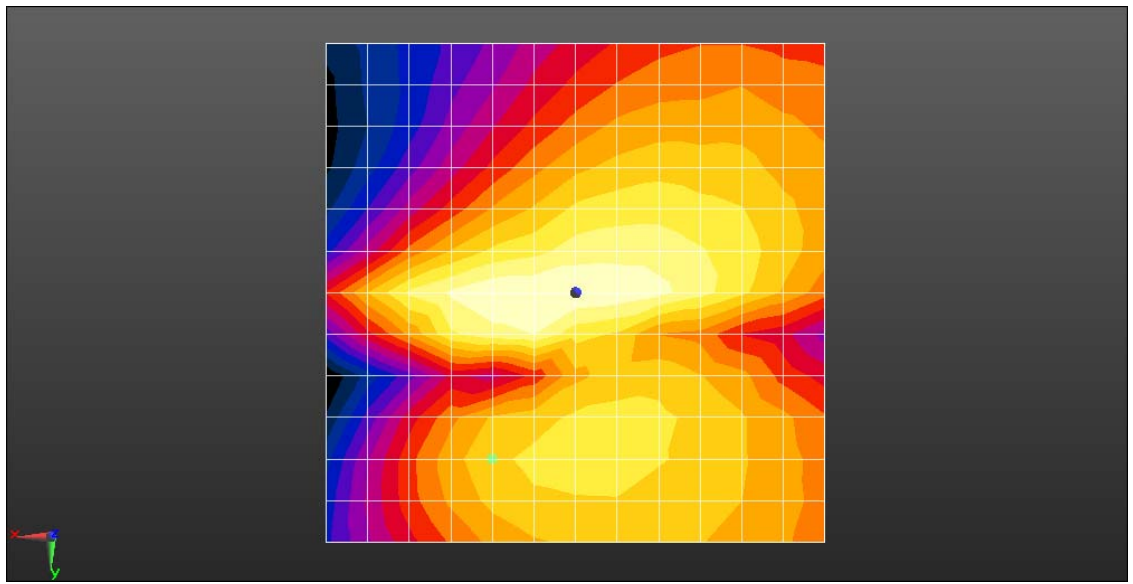
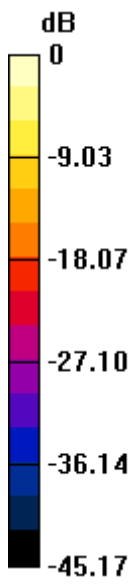
#### **Cursor:**

ABM1/ABM2 = 41.29 dB

ABM1 comp = 1.59 dBA/m

BWC Factor = 0.13 dB

Location: 0, 0, 3.7 mm



0 dB = 1.894 A/m = 5.55 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM1900 661CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 13.16 dBA/m

BWC Factor = 0.13 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

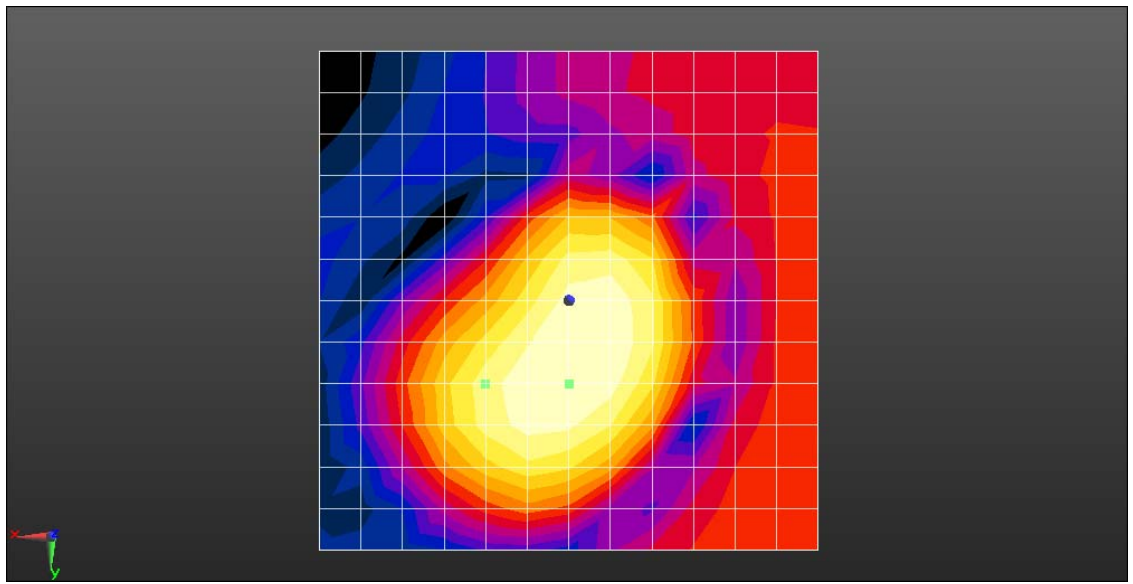
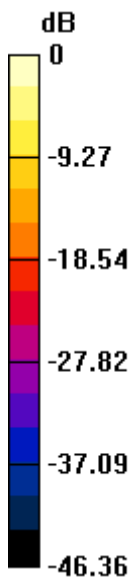
#### **Cursor:**

ABM1/ABM2 = 34.35 dB

ABM1 comp = 9.04 dBA/m

BWC Factor = 0.13 dB

Location: 0, 8.3, 3.7 mm



0 dB = 4.551 A/m = 13.16 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM1900 661CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

### **Cursor:**

ABM1 comp = 2.59 dBA/m

BWC Factor = 10.77 dB

Location: 0, 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

### **Cursor:**

ABM1/ABM2 = 27.85 dB

ABM1 comp = 2.59 dBA/m

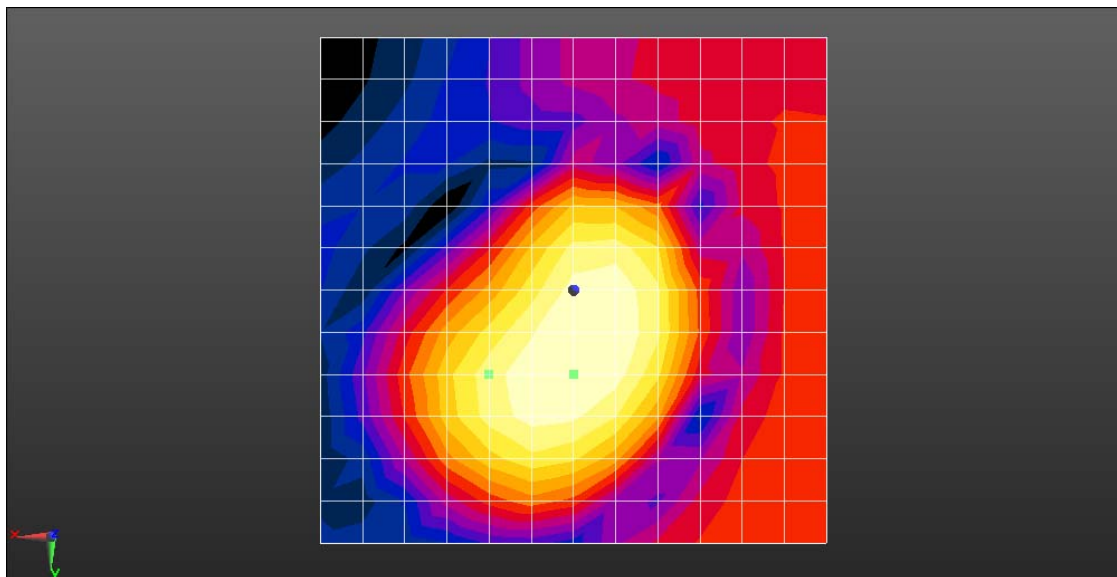
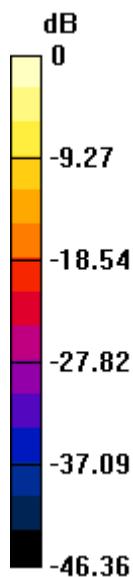
BWC Factor = 10.77 dB

Location: 0, 8.3, 3.7 mm

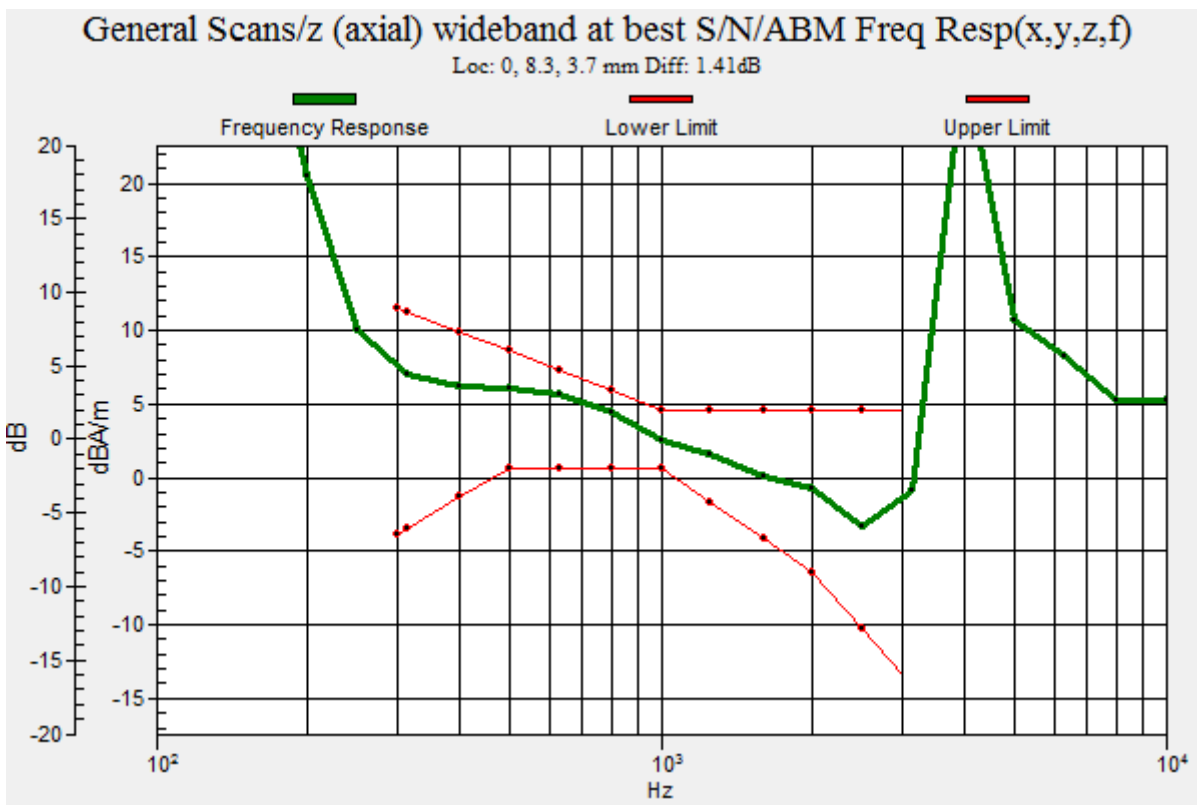
**T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):** Measurement grid: dx=10mm,

dy=10mm  
 Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav  
 Output Gain: 100  
 Measure Window Start: 300ms  
 Measure Window Length: 2000ms  
 BWC applied: 10.77 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**  
 Diff = 1.41 dB  
 BWC Factor = 10.77 dB  
 Location: 0, 8.3, 3.7 mm



0 dB = 4.551 A/m = 13.16 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM1900 661CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = -0.41 dBA/m

BWC Factor = 0.12 dB

Location: 8.3, 4.2, 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

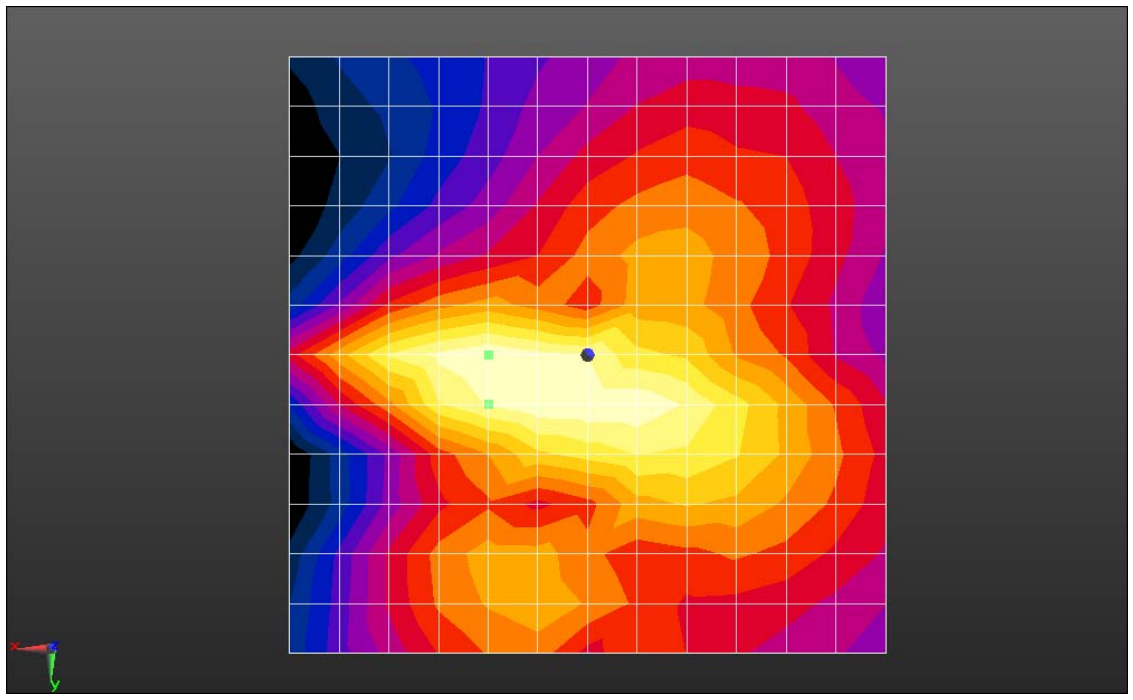
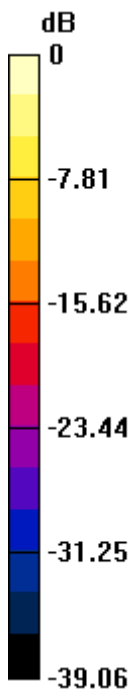
#### **Cursor:**

ABM1/ABM2 = 34.99 dB

ABM1 comp = -2.01 dBA/m

BWC Factor = 0.12 dB

Location: 8.3, 0, 3.7 mm



0 dB = 0.9543 A/m = -0.41 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM1900 661CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 6.60 dBA/m

BWC Factor = 0.12 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

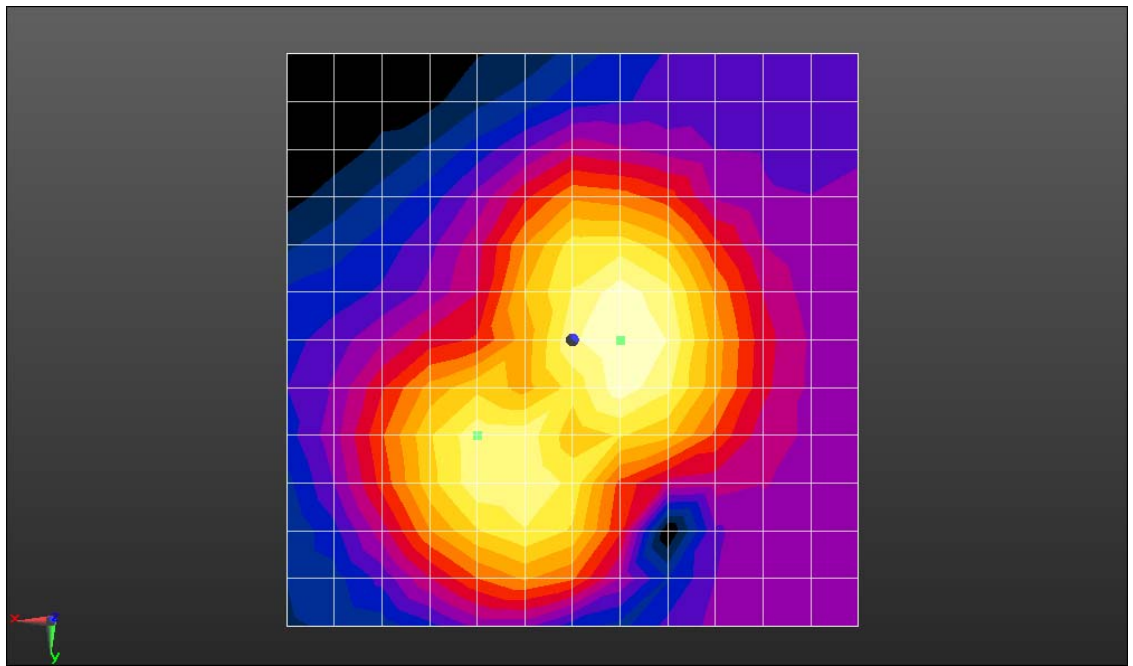
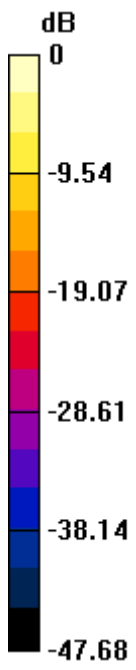
#### **Cursor:**

ABM1/ABM2 = 27.57 dB

ABM1 comp = -2.29 dBA/m

BWC Factor = 0.12 dB

Location: -4.2, 0, 3.7 mm



0 dB = 2.137 A/m = 6.60 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-GSM1900 661CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100  
Measure Window Start: 300ms  
Measure Window Length: 2000ms  
BWC applied: 10.76 dB  
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -6.04 dBA/m  
BWC Factor = 10.76 dB  
Location: -4.2, 0, 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: 100  
Measure Window Start: 300ms  
Measure Window Length: 2000ms  
BWC applied: 10.76 dB  
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 23.44 dB  
ABM1 comp = -6.04 dBA/m  
BWC Factor = 10.76 dB  
Location: -4.2, 0, 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.76 dB

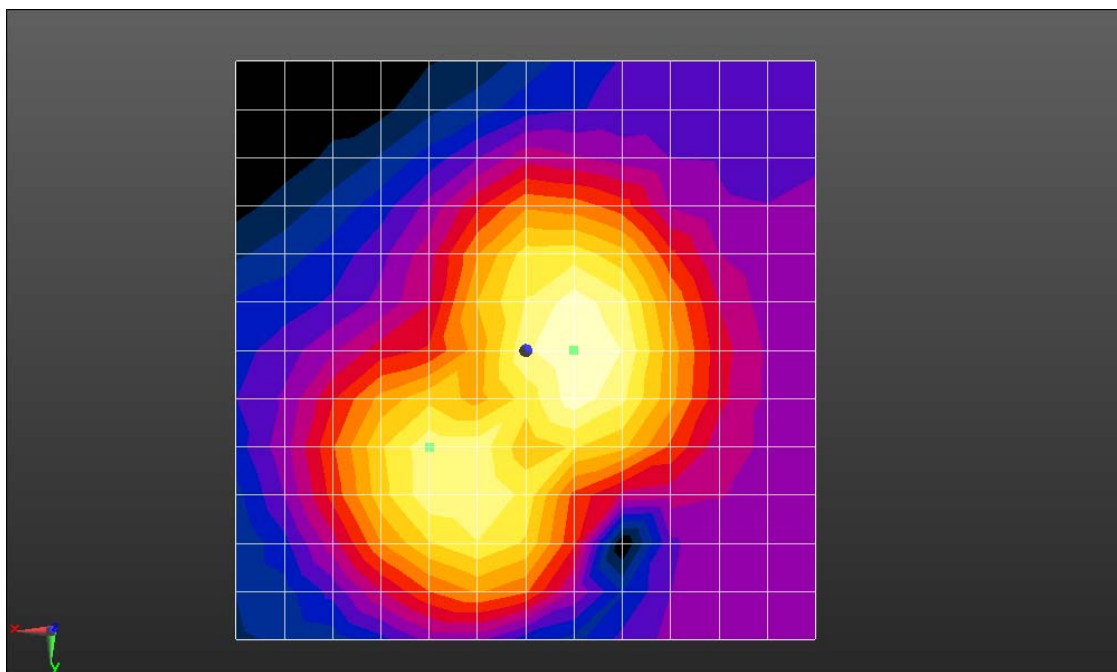
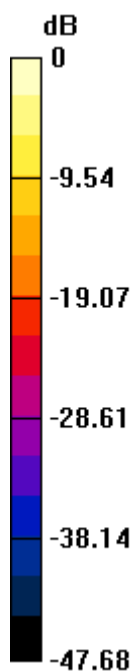
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

Diff = 1.76 dB

BWC Factor = 10.76 dB

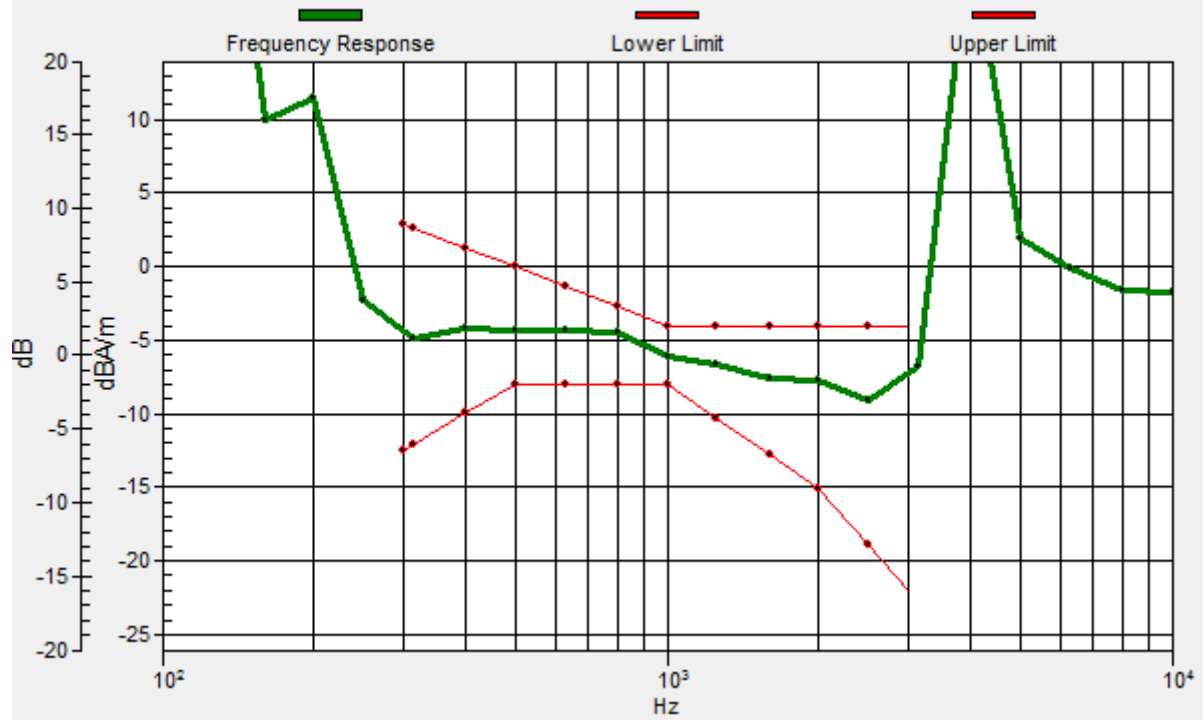
Location: -4.2, 0, 3.7 mm



0 dB = 2.137 A/m = 6.60 dBA/m

# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -4.2, 0, 3.7 mm Diff: 1.76dB



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band II 9400CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 5.94 dBA/m

BWC Factor = 0.13 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

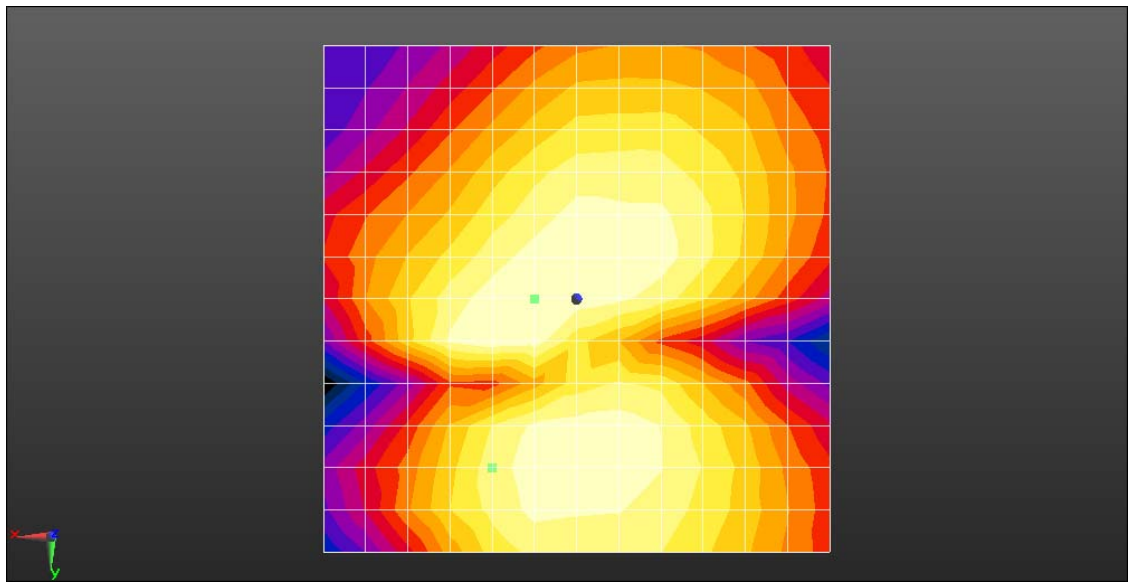
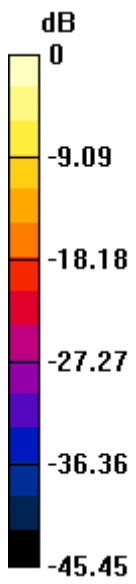
#### **Cursor:**

ABM1/ABM2 = 45.68 dB

ABM1 comp = 3.99 dBA/m

BWC Factor = 0.13 dB

Location: 4.2, 0, 3.7 mm



0 dB = 1.982 A/m = 5.94 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band II 9400CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 13.60 dBA/m

BWC Factor = 0.13 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

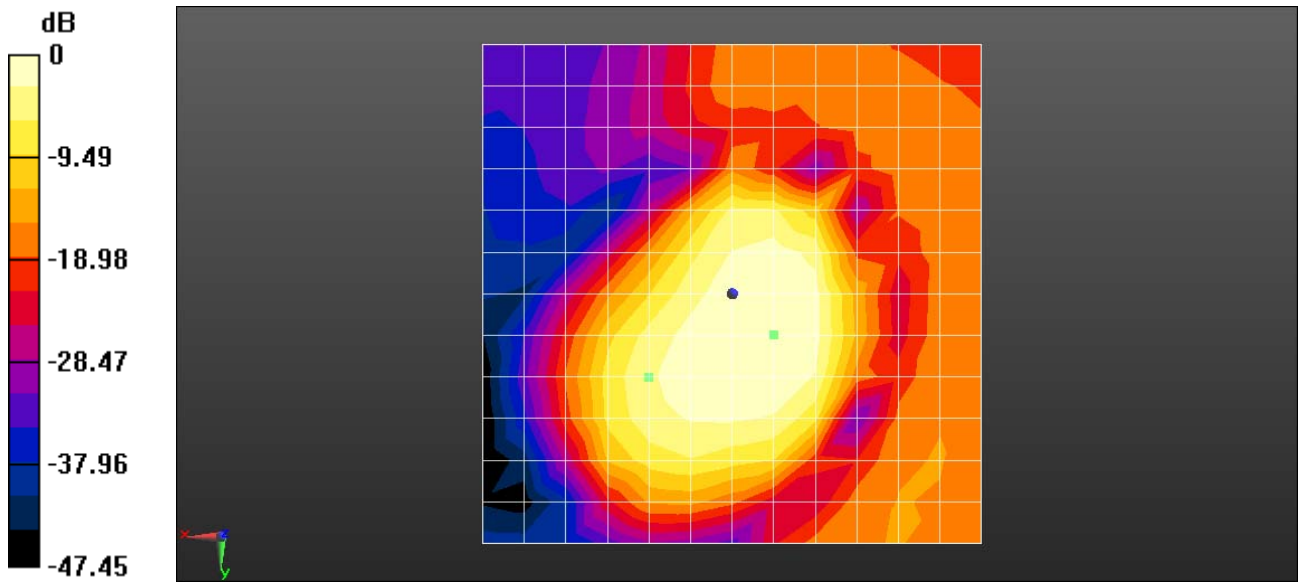
#### **Cursor:**

ABM1/ABM2 = 46.89 dB

ABM1 comp = 5.47 dBA/m

BWC Factor = 0.13 dB

Location: -4.2, 4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band II 9400CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

### **Cursor:**

ABM1 comp = -1.81 dBA/m

BWC Factor = 10.77 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

### **Cursor:**

ABM1/ABM2 = 39.19 dB

ABM1 comp = -1.81 dBA/m

BWC Factor = 10.77 dB

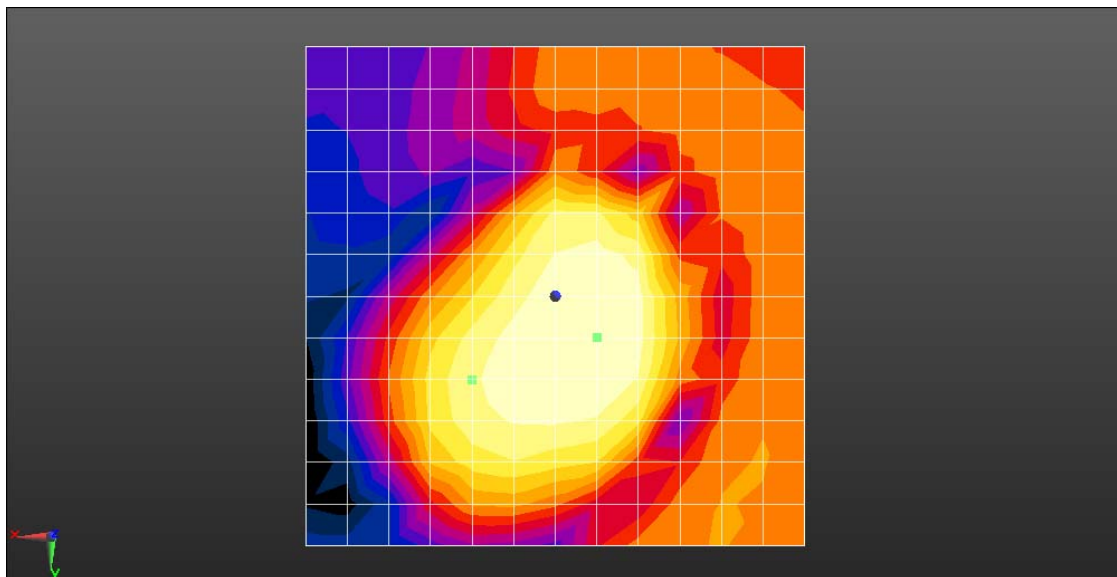
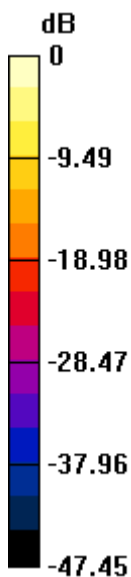
Location: -4.2, 4.2, 3.7 mm

**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,

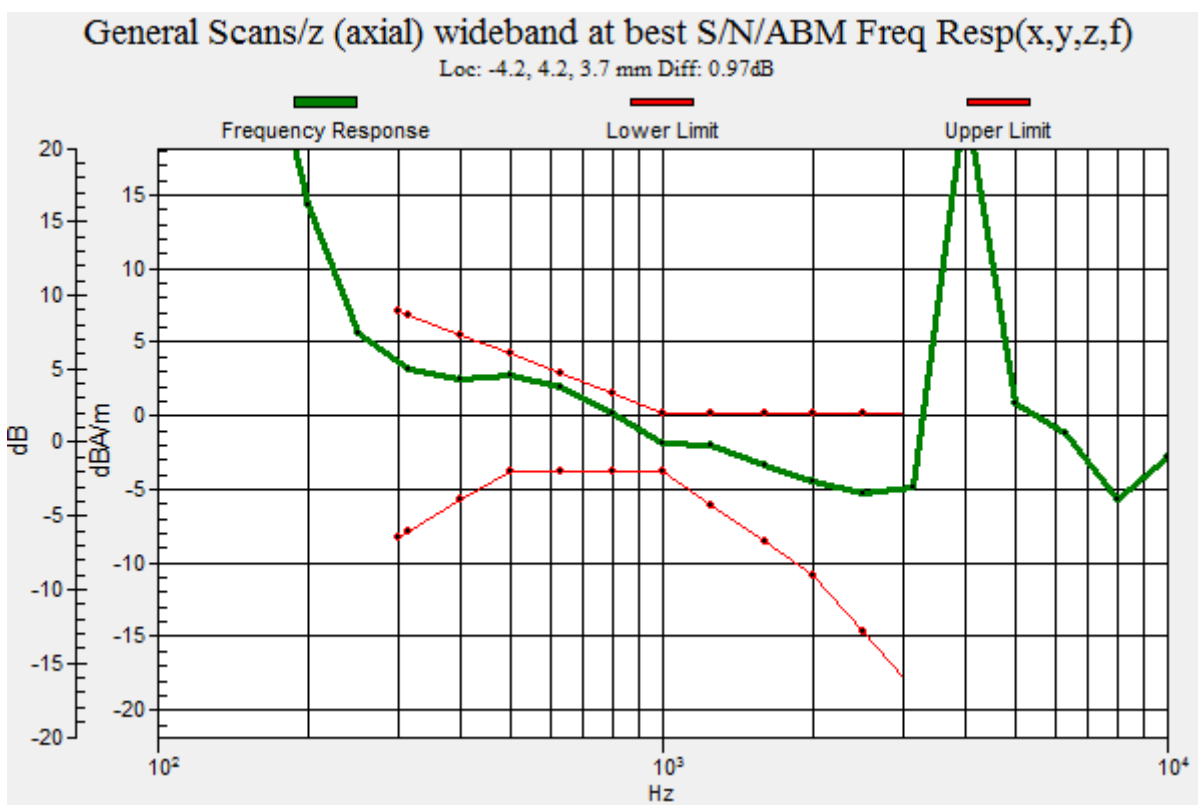


dy=10mm  
 Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav  
 Output Gain: 100  
 Measure Window Start: 300ms  
 Measure Window Length: 2000ms  
 BWC applied: 10.77 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**  
 Diff = 0.97 dB  
 BWC Factor = 10.77 dB  
 Location: -4.2, 4.2, 3.7 mm



0 dB = 4.788 A/m = 13.60 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band II-9400CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 0.26 dBA/m

BWC Factor = 0.13 dB

Location: 8.3, 4.2, 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

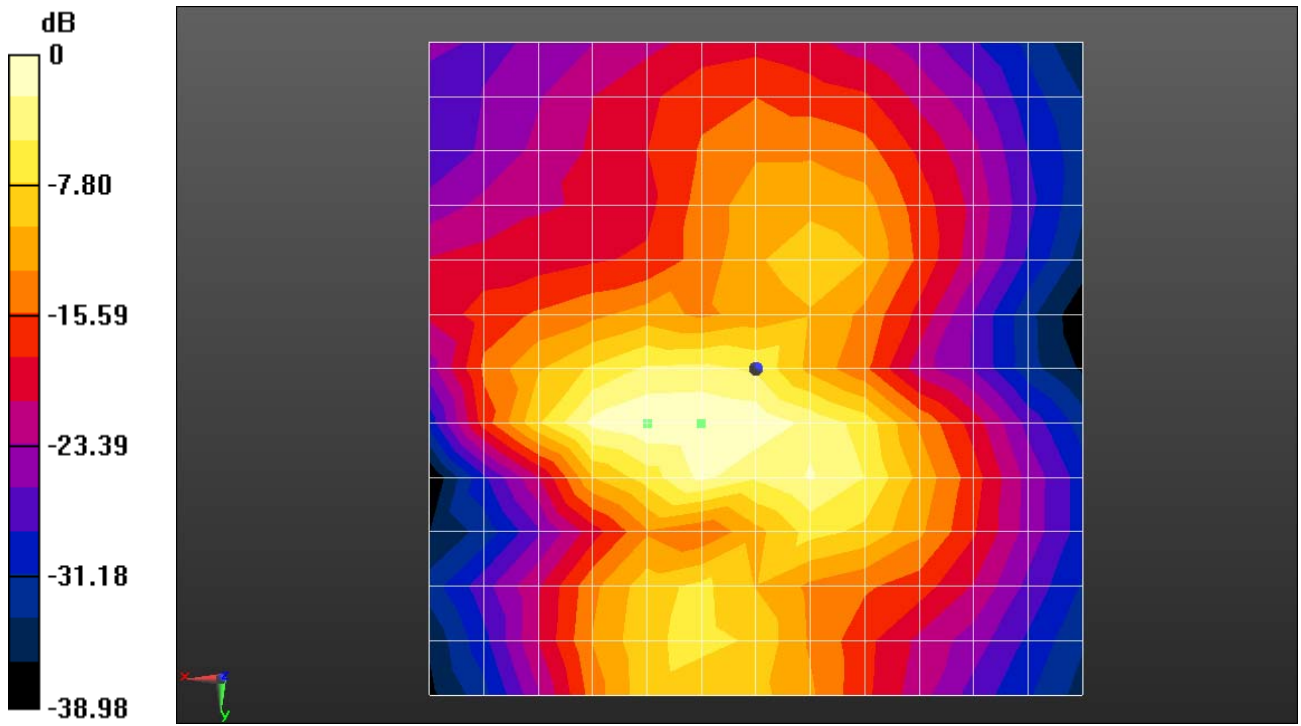
#### **Cursor:**

ABM1/ABM2 = 41.41 dB

ABM1 comp = -0.25 dBA/m

BWC Factor = 0.13 dB

Location: 4.2, 4.2, 3.7 mm



0 dB = 1.031 A/m = 0.27 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band II-9400CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 7.49 dBA/m

BWC Factor = 0.13 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

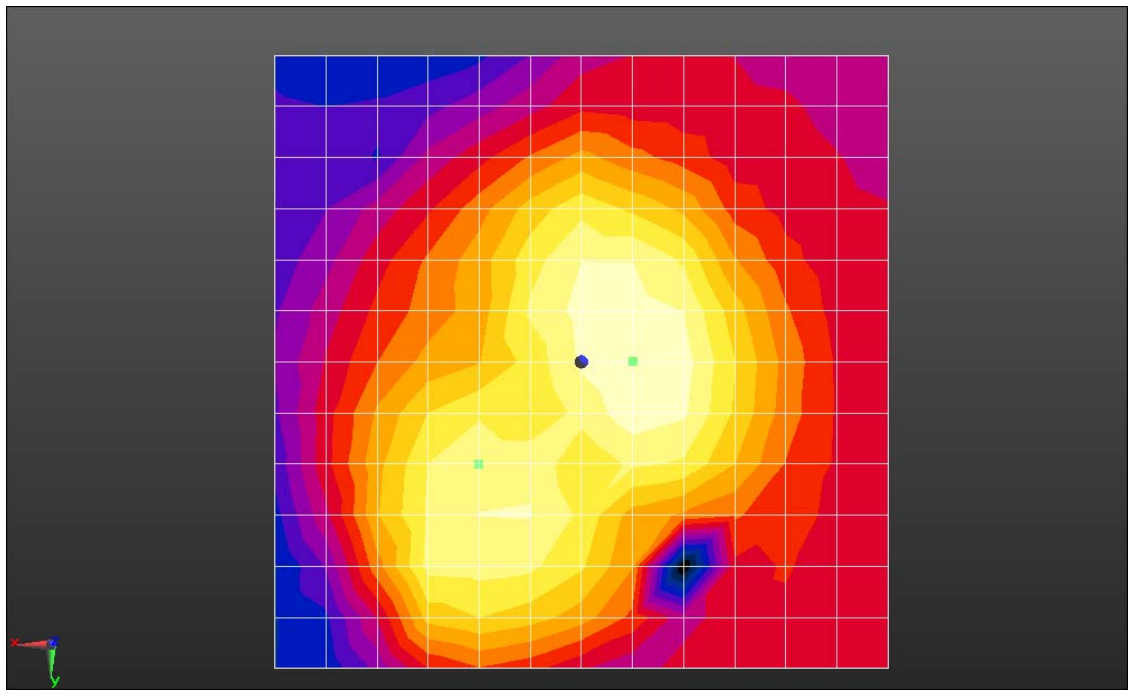
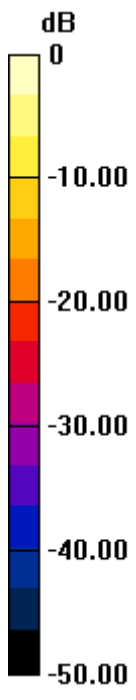
#### **Cursor:**

ABM1/ABM2 = 41.29 dB

ABM1 comp = -0.84 dBA/m

BWC Factor = 0.13 dB

Location: -4.2, 0, 3.7 mm



0 dB = 2.369 A/m = 7.49 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band II-9400CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100  
Measure Window Start: 300ms  
Measure Window Length: 2000ms  
BWC applied: 10.78 dB  
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -5.18 dBA/m  
BWC Factor = 10.78 dB  
Location: -4.2, 0, 3.7 mm

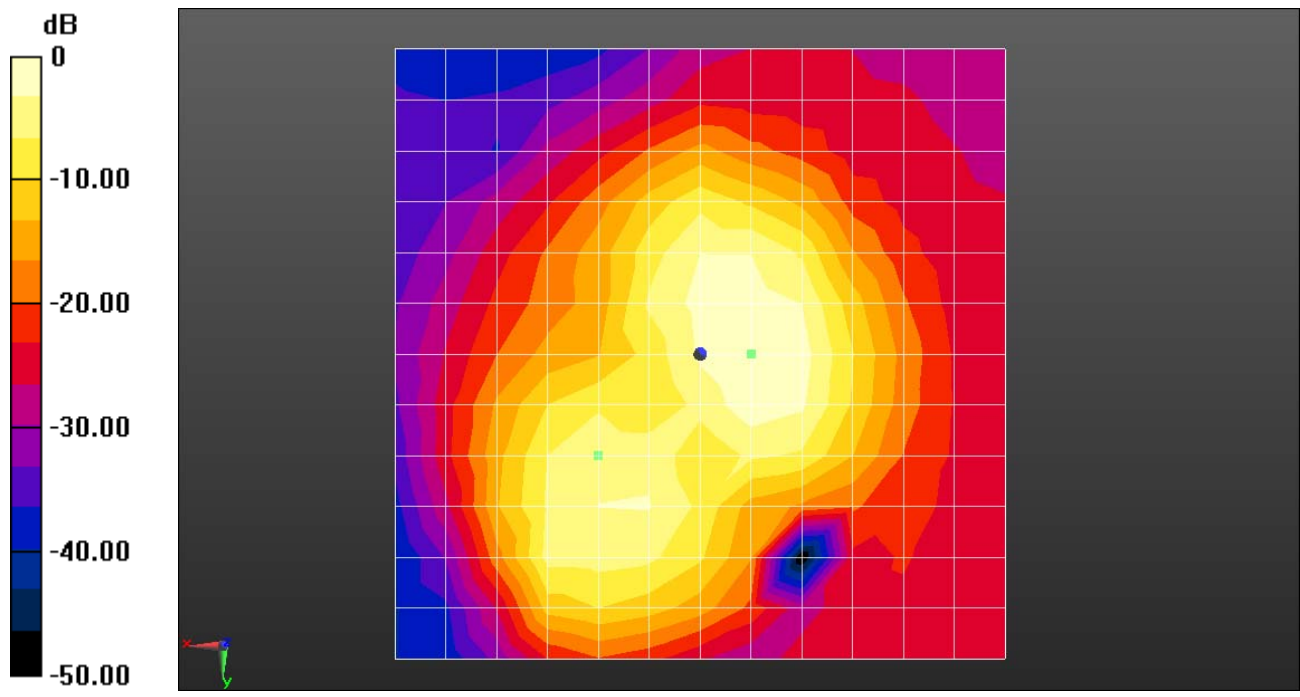
**T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM SNR(x,y,z) (1x1x1):** Measurement grid: dx=10mm, dy=10mm  
Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav  
Output Gain: 100  
Measure Window Start: 300ms  
Measure Window Length: 2000ms  
BWC applied: 10.78 dB  
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 35.90 dB  
ABM1 comp = -5.18 dBA/m  
BWC Factor = 10.78 dB  
Location: -4.2, 0, 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: 100  
Measure Window Start: 300ms  
Measure Window Length: 2000ms  
BWC applied: 10.78 dB  
Device Reference Point: 0, 0, -6.3 mm

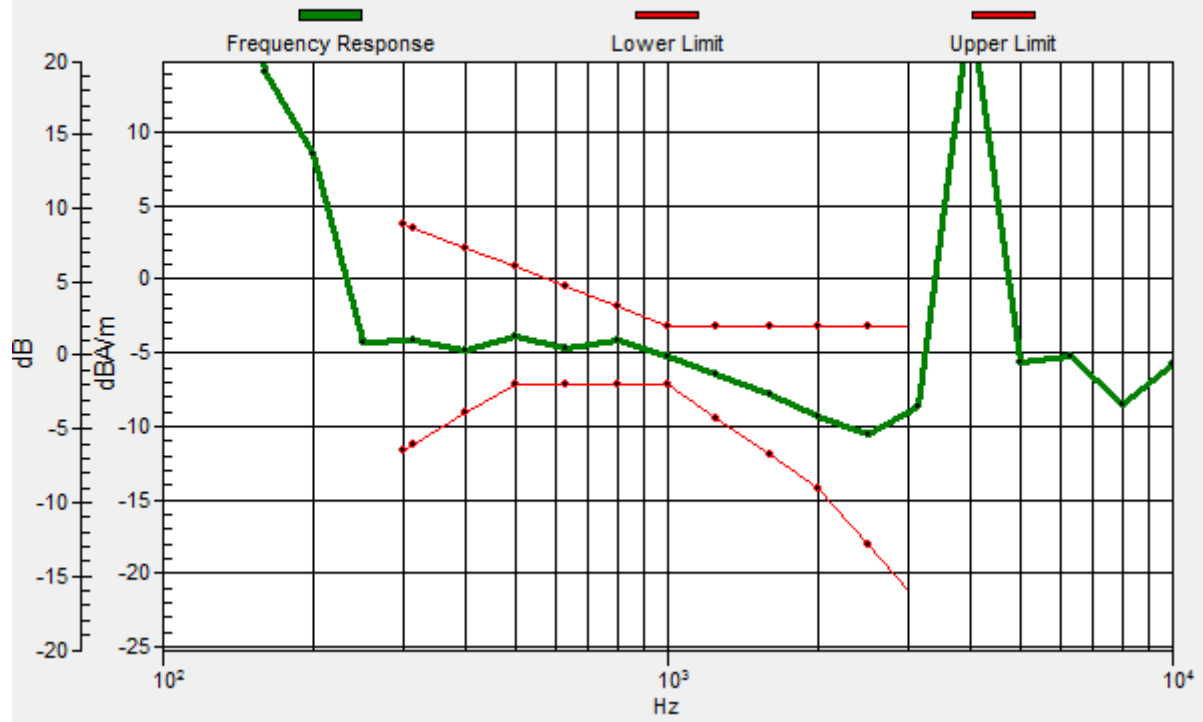
**Cursor:**  
Diff = 2.00 dB  
BWC Factor = 10.78 dB  
Location: -4.2, 0, 3.7 mm



0 dB = 2.369 A/m = 7.49 dBA/m

# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -4.2, 0, 3.7 mm Diff: 2dB





Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band IV 1413CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 5.94 dBA/m

BWC Factor = 0.13 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

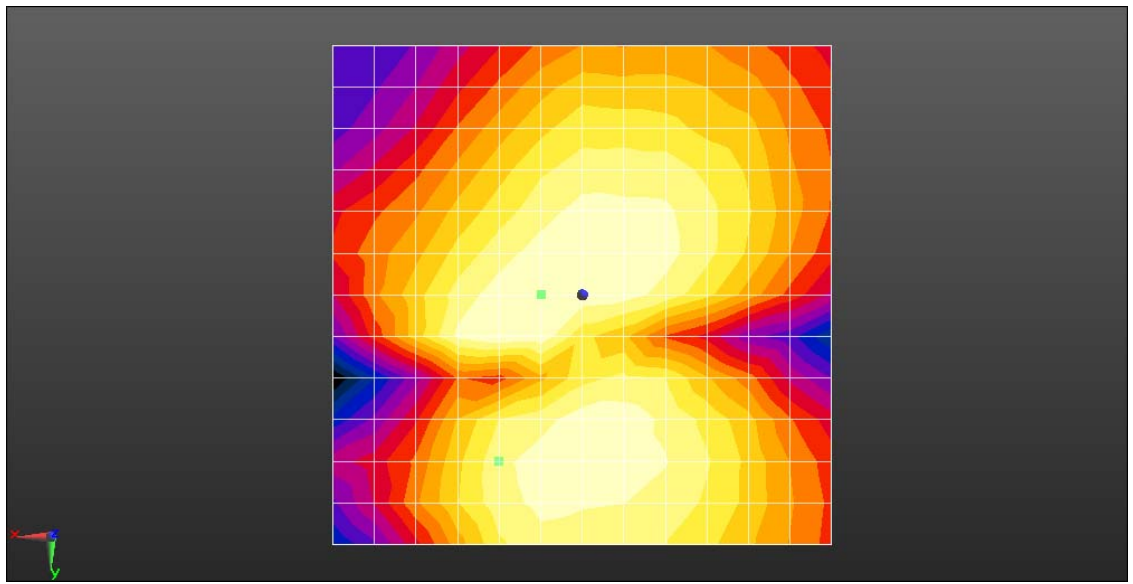
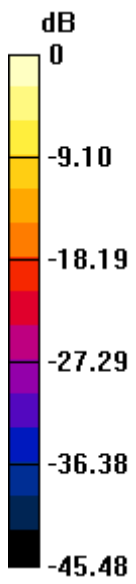
#### **Cursor:**

ABM1/ABM2 = 45.41 dB

ABM1 comp = 4.00 dBA/m

BWC Factor = 0.13 dB

Location: 4.2, 0, 3.7 mm



0 dB = 1.981 A/m = 5.94 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band IV 1413CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 13.35 dBA/m

BWC Factor = 0.13 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

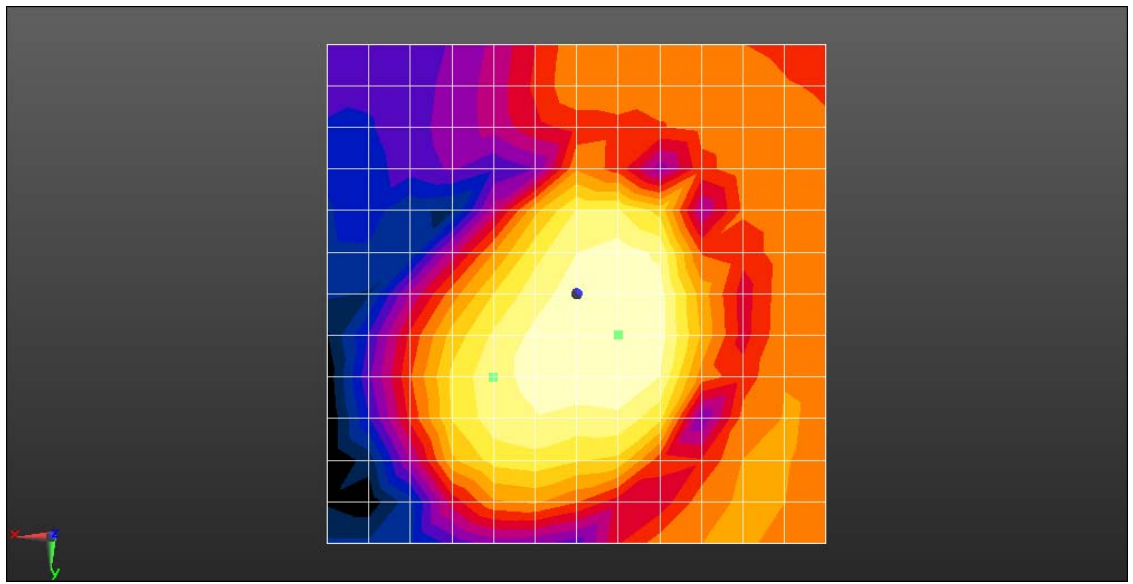
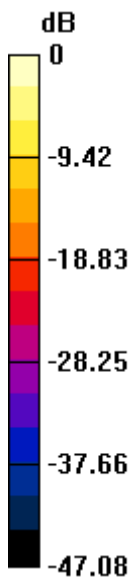
#### **Cursor:**

ABM1/ABM2 = 46.83 dB

ABM1 comp = 5.40 dBA/m

BWC Factor = 0.13 dB

Location: -4.2, 4.2, 3.7 mm



0 dB = 4.650 A/m = 13.35 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band IV 1413CH**

**DUT: H1711; 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: 2016-7-22
- ⊘ Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ⊘ Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ⊘ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ⊘ DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = -1.48 dBA/m

BWC Factor = 10.77 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1/ABM2 = 39.59 dB

ABM1 comp = -1.48 dBA/m

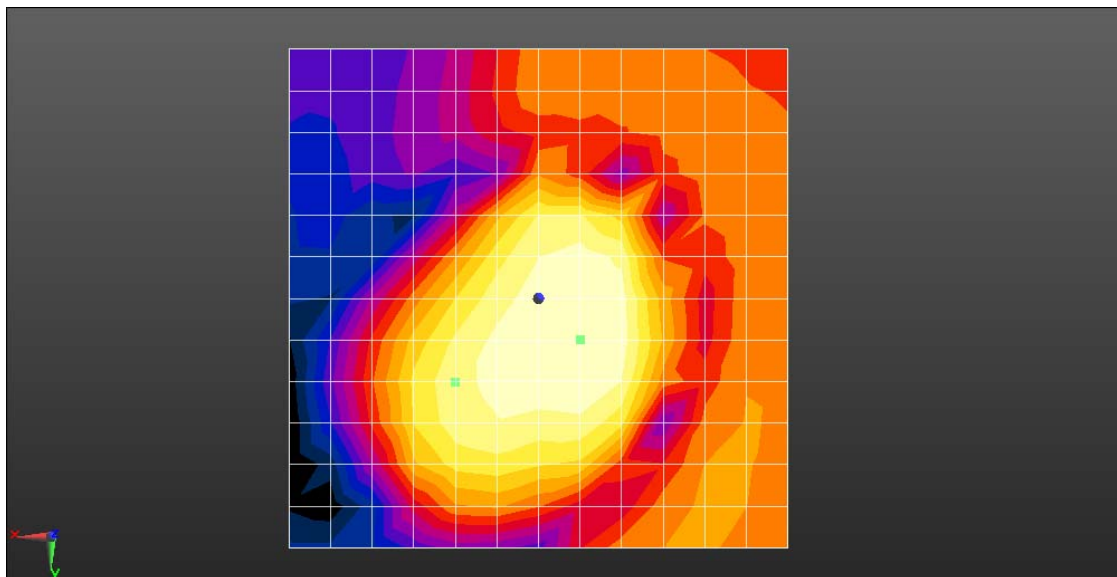
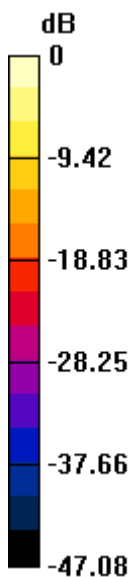
BWC Factor = 10.77 dB

Location: -4.2, 4.2, 3.7 mm

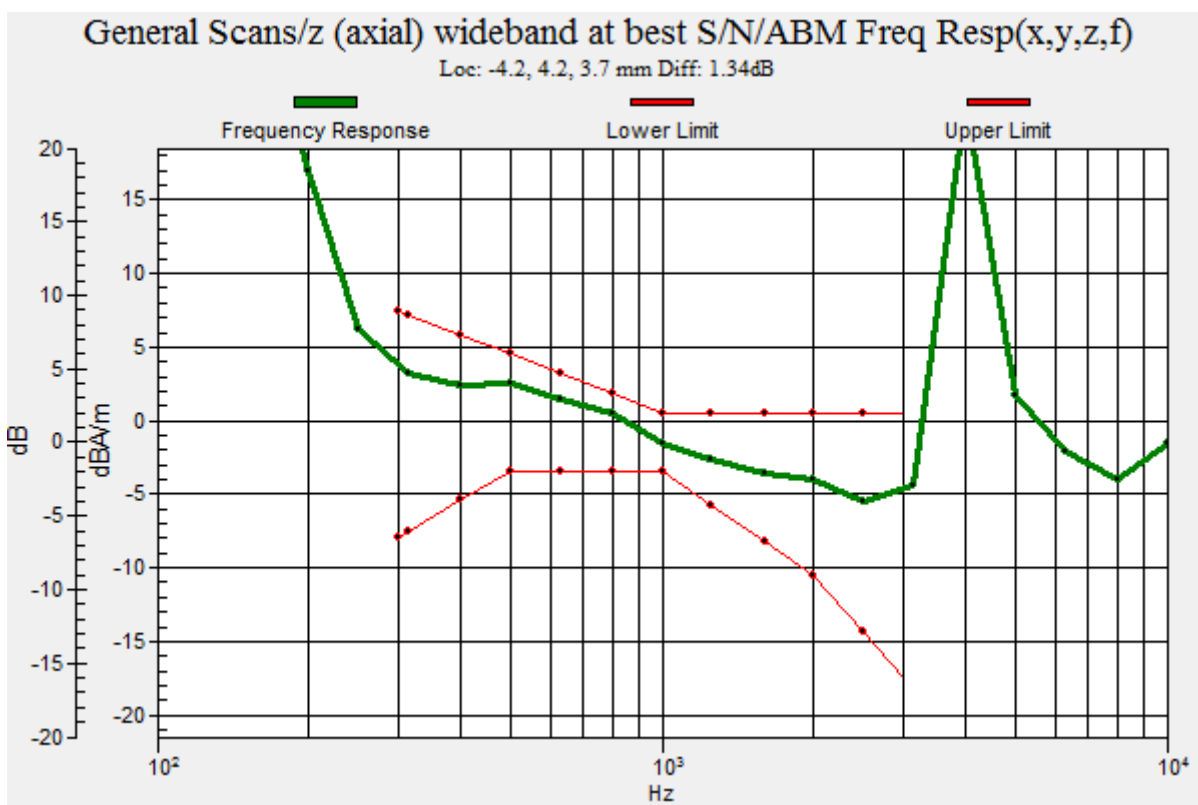
### **T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):** Measurement grid: dx=10mm,

dy=10mm  
 Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav  
 Output Gain: 100  
 Measure Window Start: 300ms  
 Measure Window Length: 2000ms  
 BWC applied: 10.77 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**  
 Diff = 1.34 dB  
 BWC Factor = 10.77 dB  
 Location: -4.2, 4.2, 3.7 mm



0 dB = 4.650 A/m = 13.35 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band IV-1413CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 0.12 dBA/m

BWC Factor = 0.12 dB

Location: 8.3, 4.2, 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

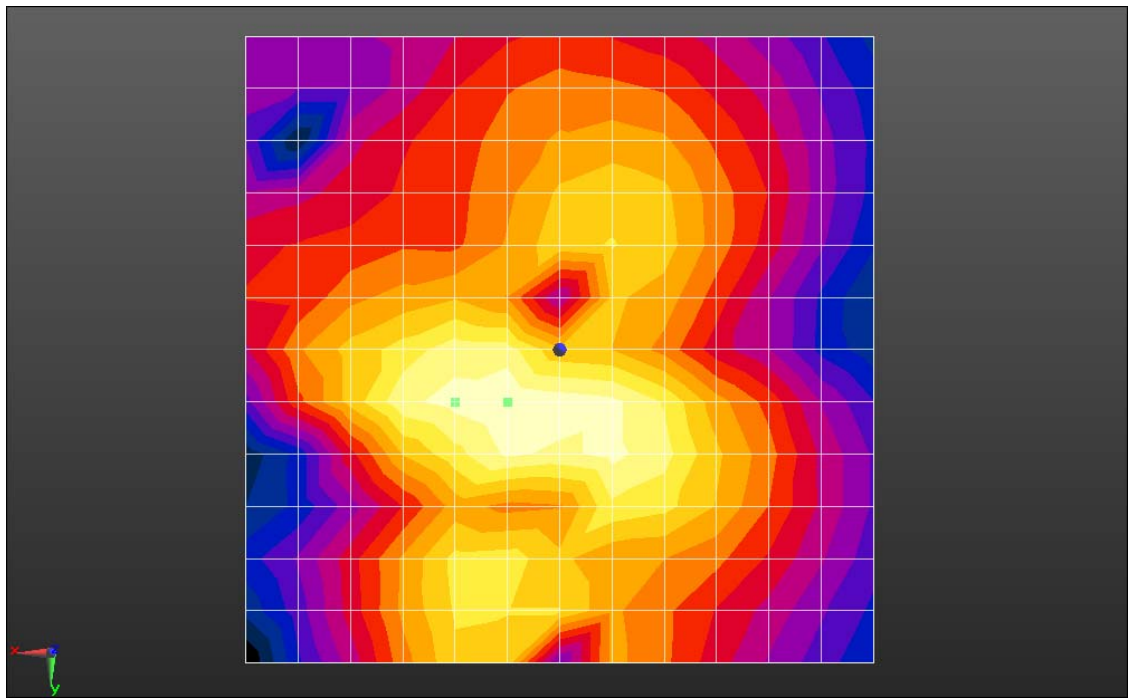
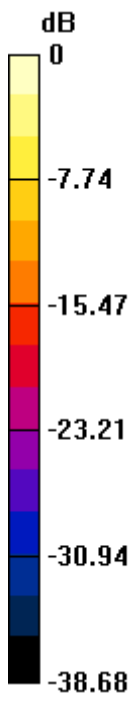
#### **Cursor:**

ABM1/ABM2 = 40.58 dB

ABM1 comp = -0.26 dBA/m

BWC Factor = 0.12 dB

Location: 4.2, 4.2, 3.7 mm



0 dB = 1.014 A/m = 0.12 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band IV-1413CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 7.41 dBA/m

BWC Factor = 0.12 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

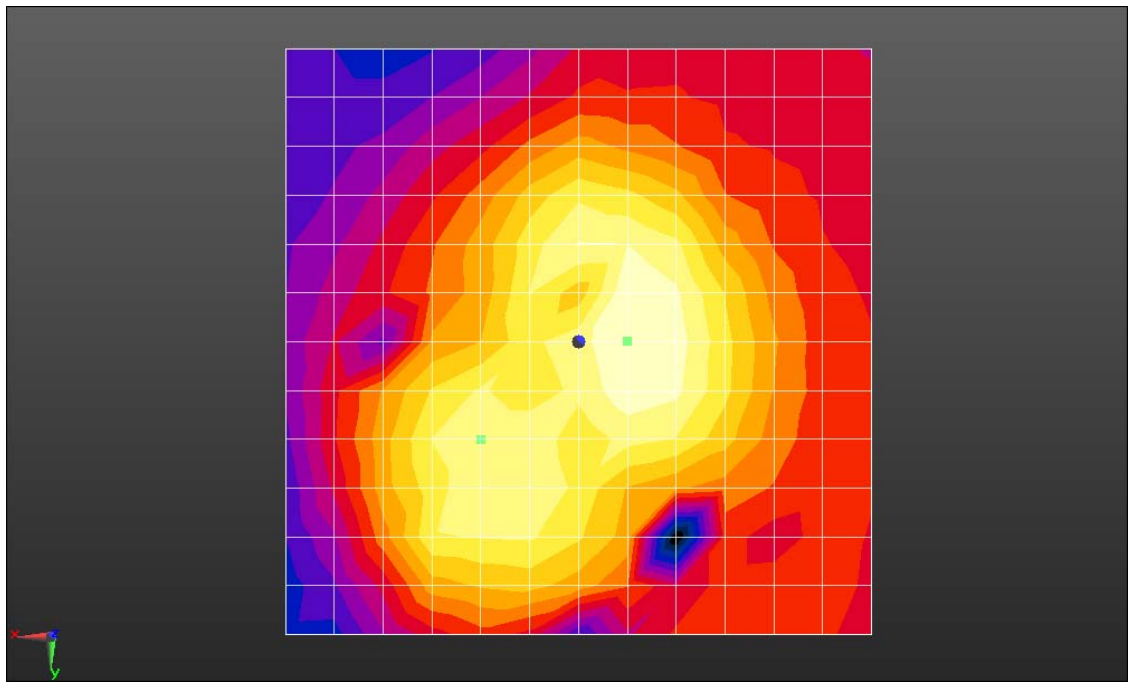
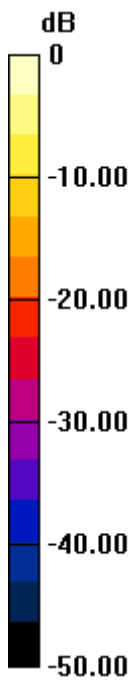
#### **Cursor:**

ABM1/ABM2 = 41.04 dB

ABM1 comp = -0.93 dBA/m

BWC Factor = 0.12 dB

Location: -4.2, 0, 3.7 mm



0 dB = 2.347 A/m = 7.41 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band IV-1413CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100  
Measure Window Start: 300ms  
Measure Window Length: 2000ms  
BWC applied: 10.76 dB  
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = -5.57 dBA/m  
BWC Factor = 10.76 dB  
Location: -4.2, 0, 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: 100  
Measure Window Start: 300ms  
Measure Window Length: 2000ms  
BWC applied: 10.76 dB  
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1/ABM2 = 36.07 dB  
ABM1 comp = -5.57 dBA/m  
BWC Factor = 10.76 dB  
Location: -4.2, 0, 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.76 dB

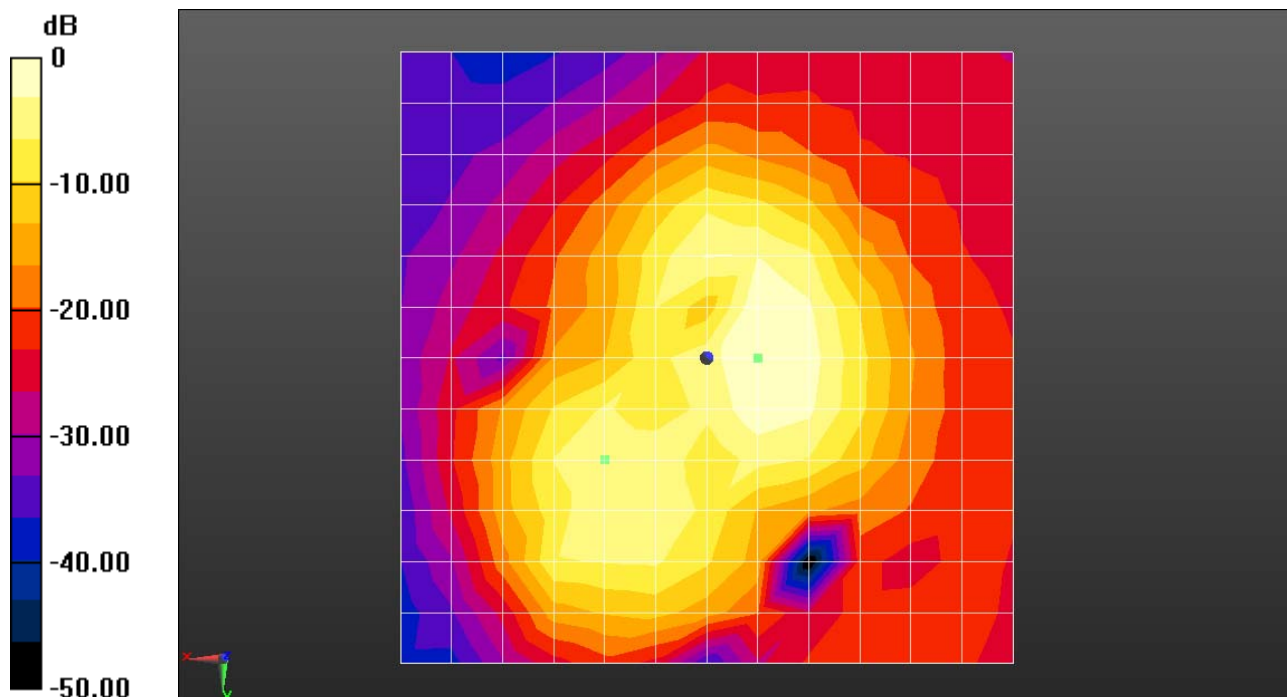
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.76 dB

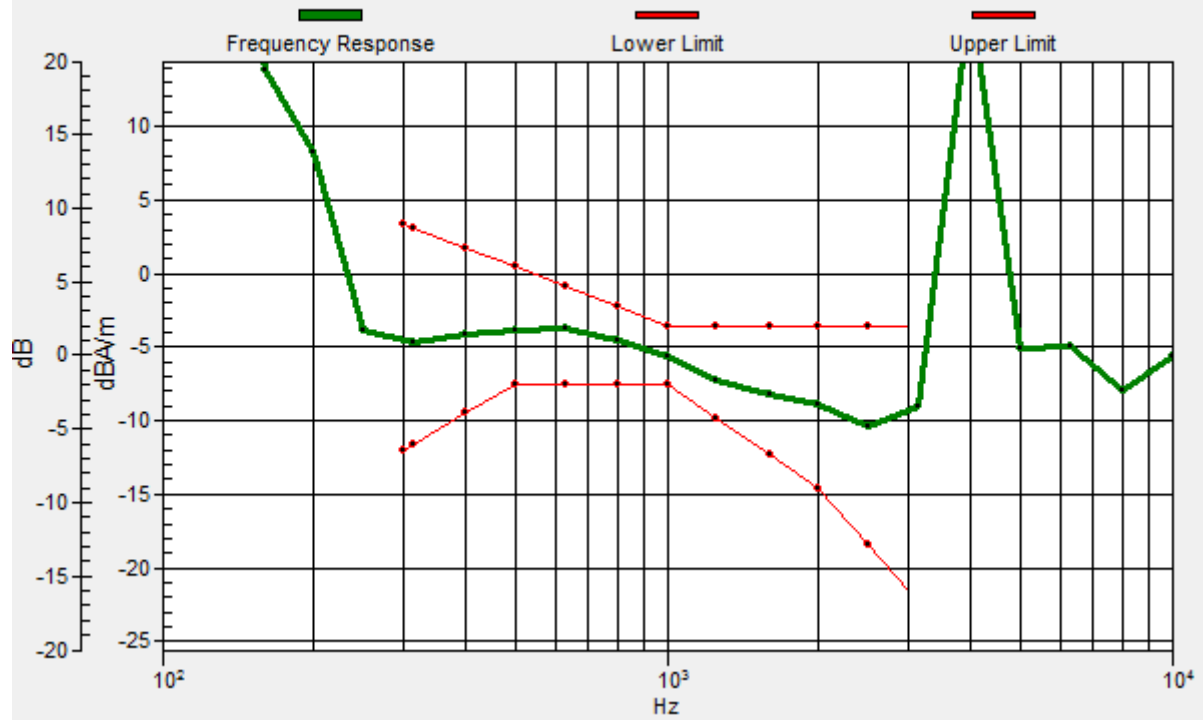
Location: -4.2, 0, 3.7 mm



0 dB = 2.347 A/m = 7.41 dBA/m

# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -4.2, 0, 3.7 mm Diff: 2dB



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band V 4182CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 5.85 dBA/m

BWC Factor = 0.13 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

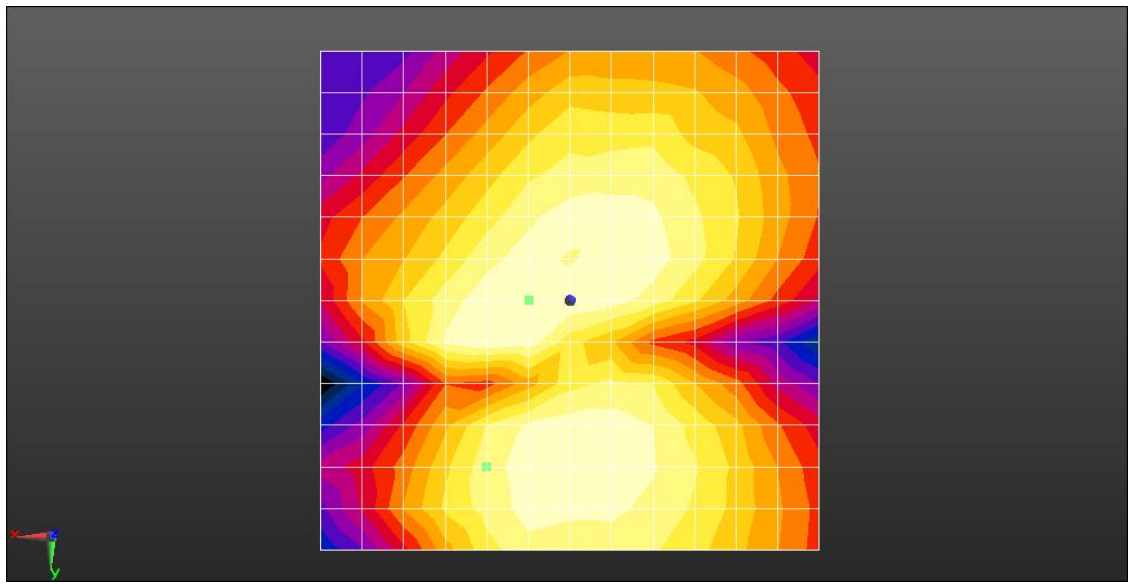
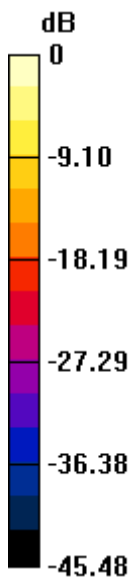
#### **Cursor:**

ABM1/ABM2 = 45.40 dB

ABM1 comp = 3.90 dBA/m

BWC Factor = 0.13 dB

Location: 4.2, 0, 3.7 mm



0 dB = 1.962 A/m = 5.85 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band V 4182CH**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 13.46 dBA/m

BWC Factor = 0.13 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

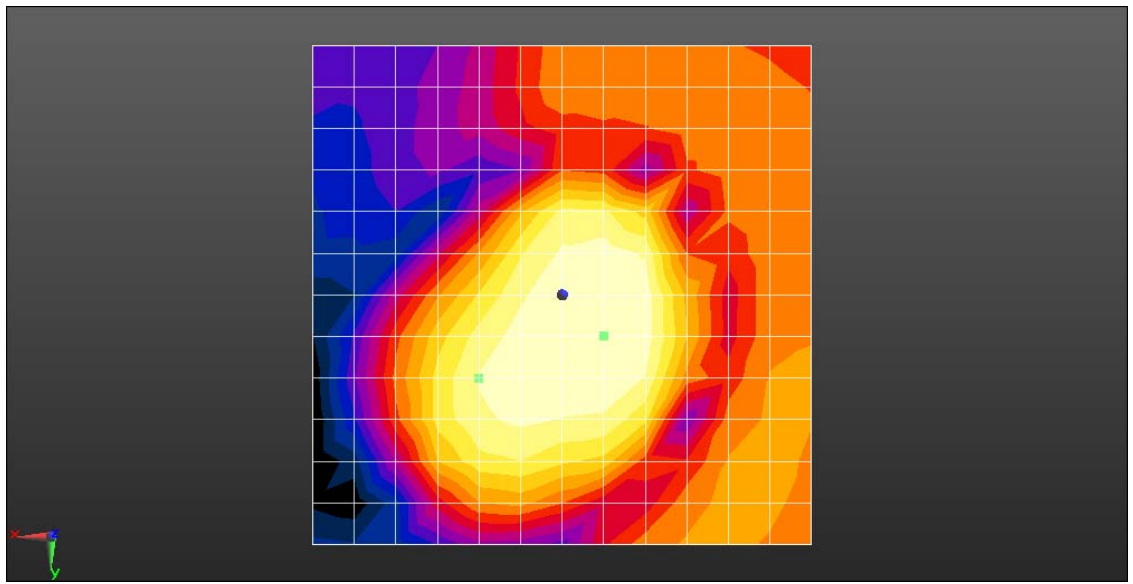
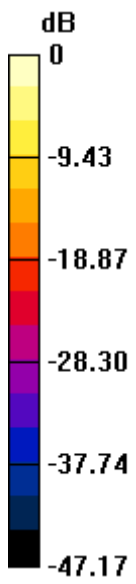
ABM1/ABM2 = 46.53 dB

ABM1 comp = 5.38 dBA/m

BWC Factor = 0.13 dB

Location: -4.2, 4.2, 3.7 mm





0 dB = 4.711 A/m = 13.46 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band V 4182CH**

**DUT: H1711; 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: 2016-7-22
- ⊃ Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ⊃ Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ⊃ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ⊃ DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

### **Cursor:**

ABM1 comp = -0.69 dBA/m

BWC Factor = 10.77 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

### **Cursor:**

ABM1/ABM2 = 40.46 dB

ABM1 comp = -0.69 dBA/m

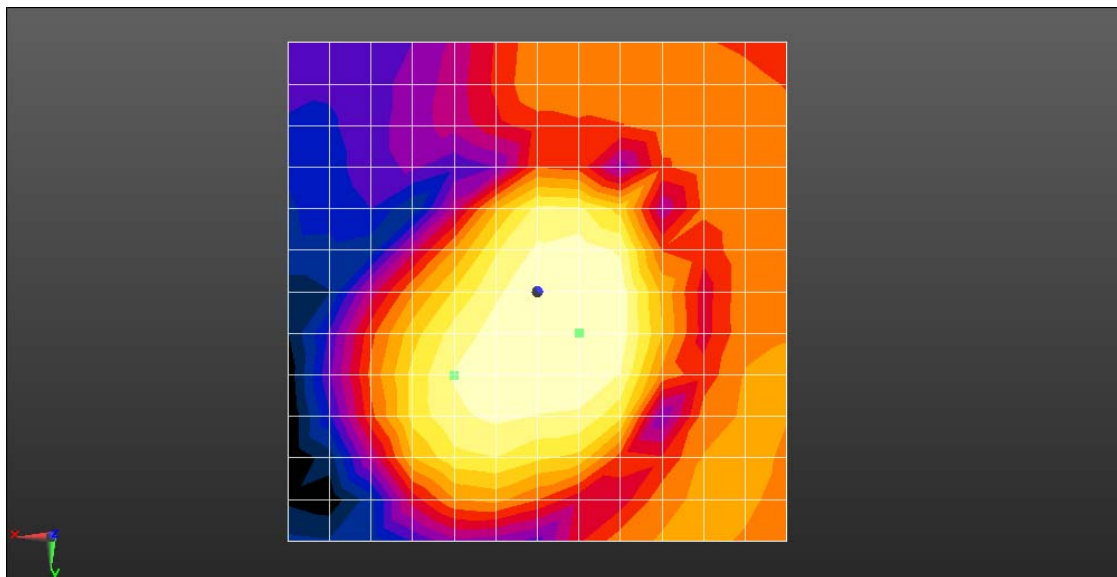
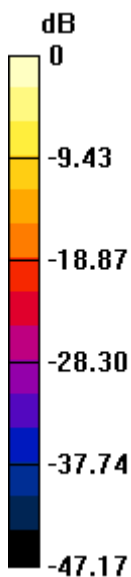
BWC Factor = 10.77 dB

Location: -4.2, 4.2, 3.7 mm

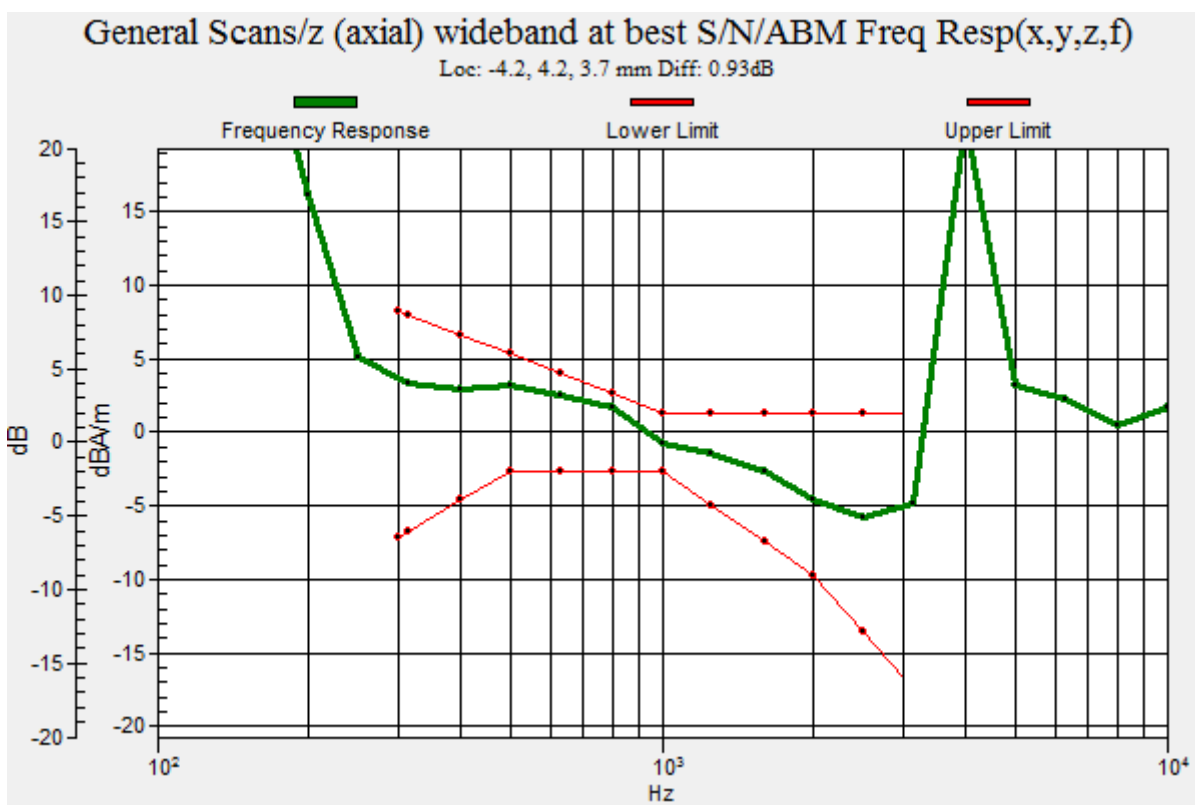
**T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):** Measurement grid: dx=10mm,

dy=10mm  
 Signal Type: Audio File (.wav) 48k\_voice\_300-3000\_2s.wav  
 Output Gain: 100  
 Measure Window Start: 300ms  
 Measure Window Length: 2000ms  
 BWC applied: 10.77 dB  
 Device Reference Point: 0, 0, -6.3 mm

**Cursor:**  
 Diff = 0.93 dB  
 BWC Factor = 10.77 dB  
 Location: -4.2, 4.2, 3.7 mm



0 dB = 4.711 A/m = 13.46 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band V-4182CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 0.22 dBA/m

BWC Factor = 0.12 dB

Location: 8.3, 4.2, 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

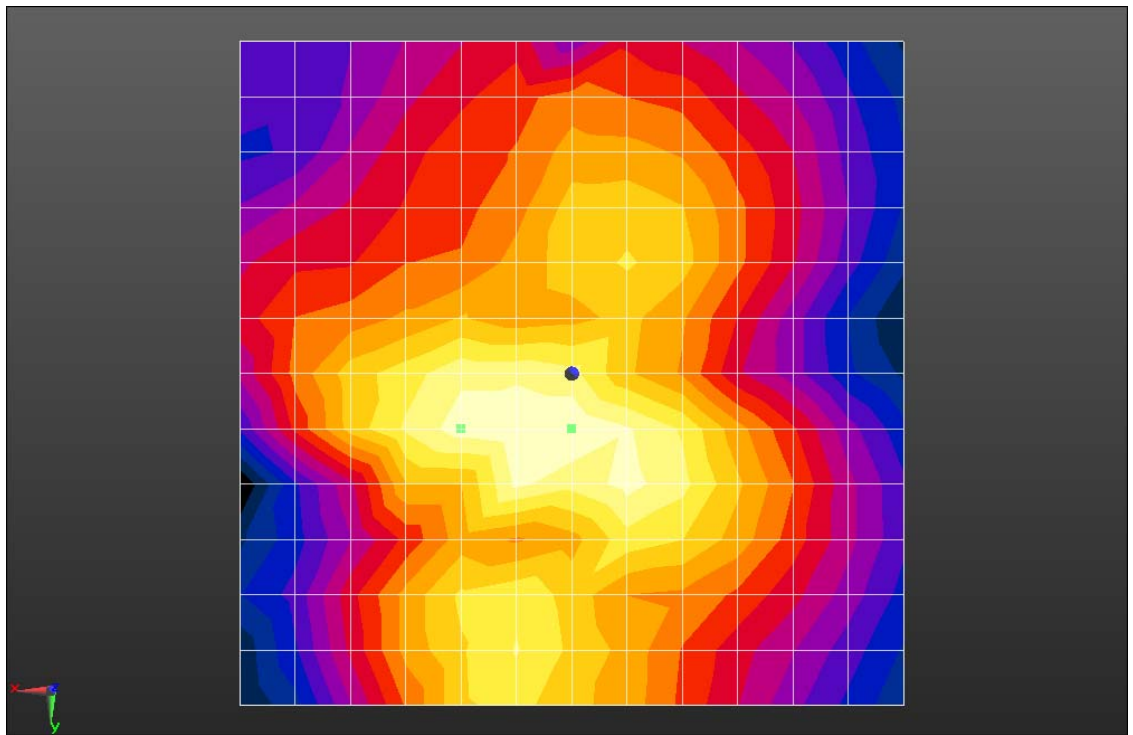
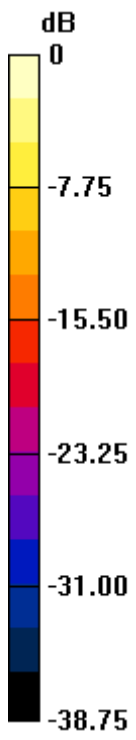
#### **Cursor:**

ABM1/ABM2 = 39.78 dB

ABM1 comp = -2.12 dBA/m

BWC Factor = 0.12 dB

Location: 0, 4.2, 3.7 mm



0 dB = 1.025 A/m = 0.21 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band V-4182CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 7.48 dBA/m

BWC Factor = 0.12 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: 100

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.12 dB

Device Reference Point: 0, 0, -6.3 mm

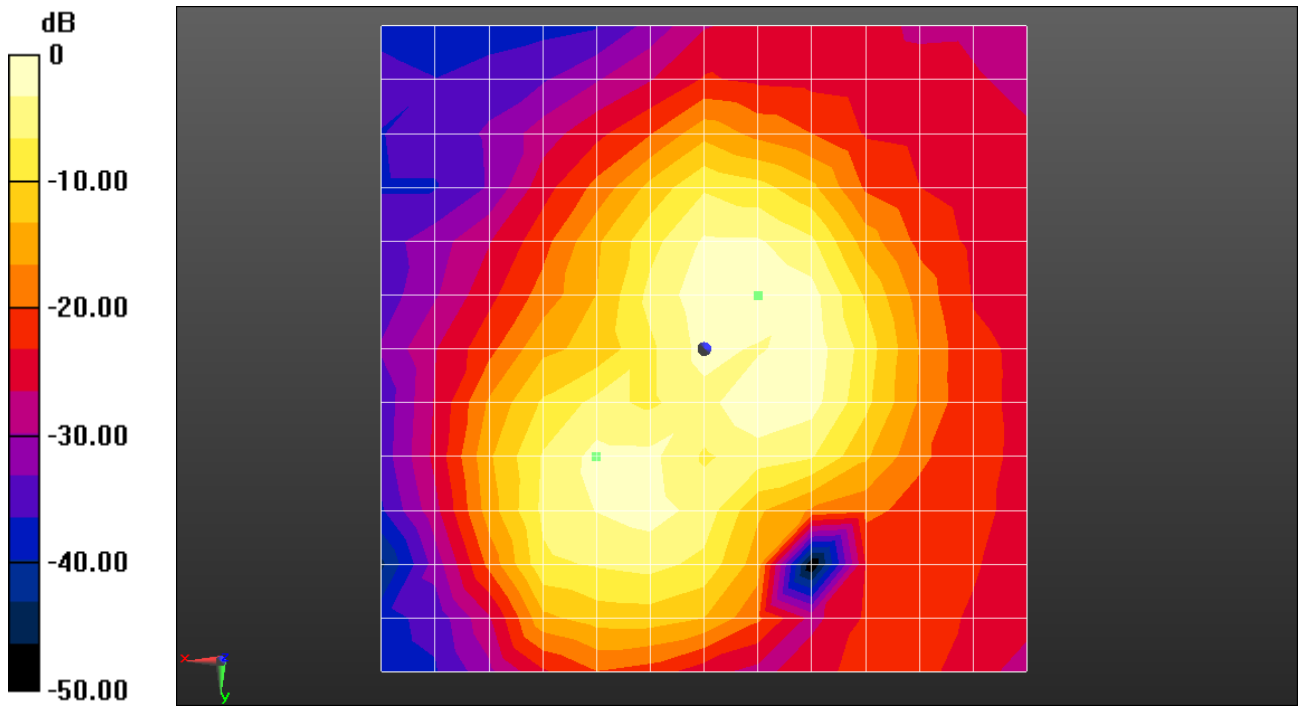
#### **Cursor:**

ABM1/ABM2 = 39.65 dB

ABM1 comp = -3.07 dBA/m

BWC Factor = 0.12 dB

Location: -4.2, -4.2, 3.7 mm



0 dB = 2.365 A/m = 7.48 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-H1711-UMTS Band V-4182CH-with Battery 2**

**DUT: H1711; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn851; Calibrated: 2016-7-22
- ε Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ε DASY52 52.8.8(1258); 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.76 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = -7.55 dBA/m

BWC Factor = 10.76 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.76 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1/ABM2 = 34.66 dB

ABM1 comp = -7.55 dBA/m

BWC Factor = 10.76 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: 100

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.76 dB

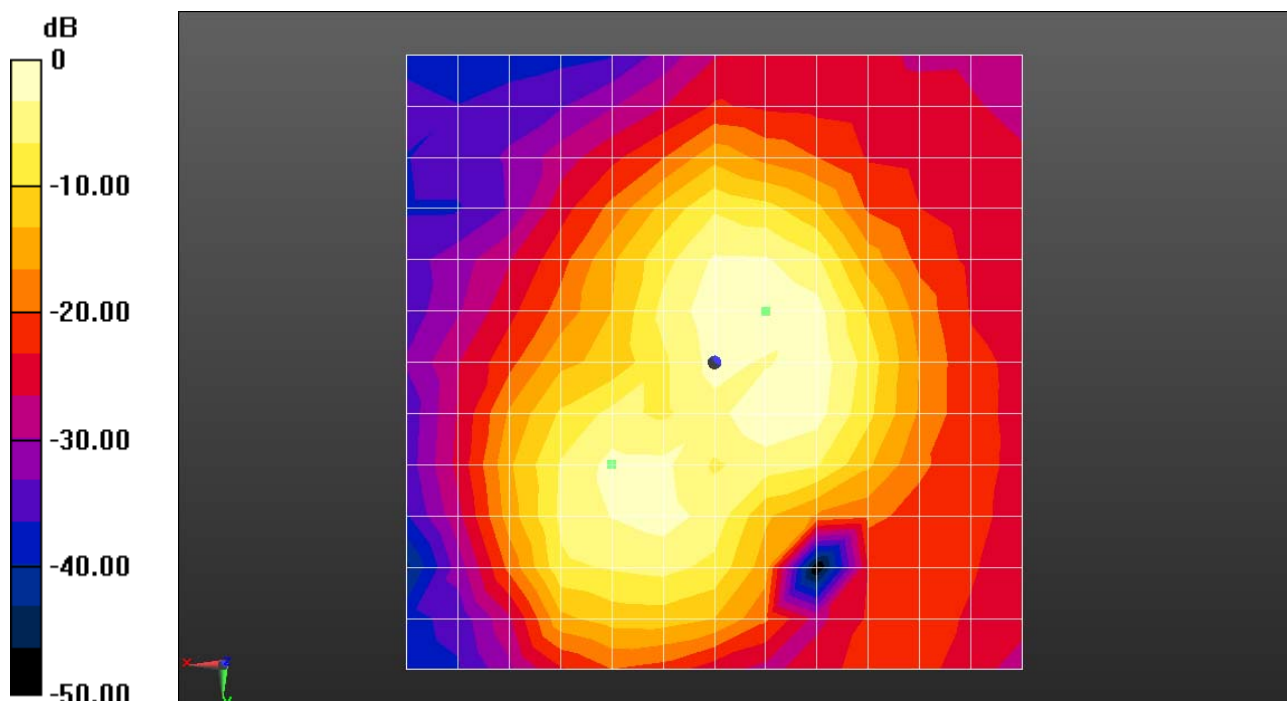
Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

Diff = 2.00 dB

BWC Factor = 10.76 dB

Location: -4.2, -4.2, 3.7 mm



0 dB = 2.365 A/m = 7.48 dBA/m

# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -4.2, -4.2, 3.7 mm Diff: 2dB

