



## Appendix A. T-coil Measurement Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-GSM850-190CH****DUT: Y538-A1; 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/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):**

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

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

Output Gain: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 2.04 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: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

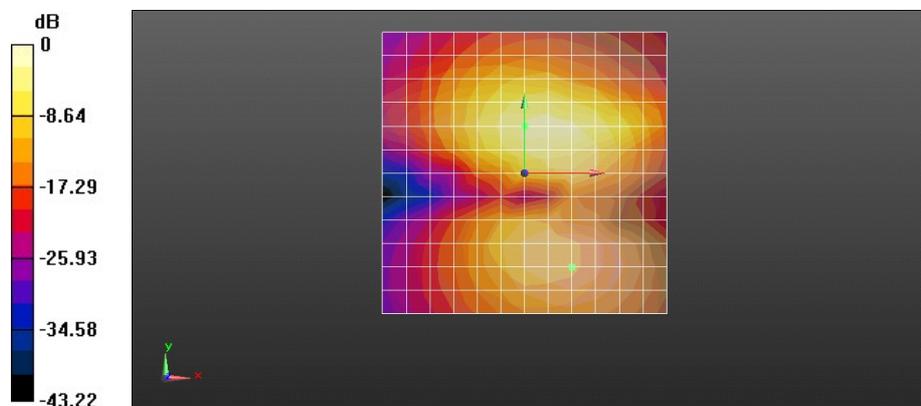
**Cursor:**

ABM1/ABM2 = 38.67 dB

ABM1 comp = -0.25 dBA/m

BWC Factor = 0.14 dB

Location: 0, 8.3, 3.7 mm



0 dB = 1.265 A/m = 2.04 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-GSM850-190CH**

**DUT: Y538-A1; 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(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: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 10.16 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: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

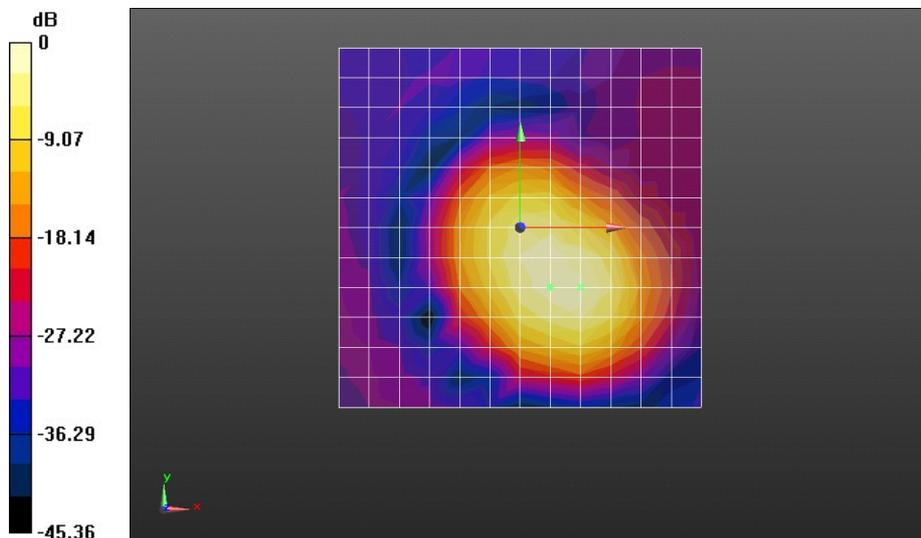
**Cursor:**

ABM1/ABM2 = 28.00 dB

ABM1 comp = 8.94 dBA/m

BWC Factor = 0.14 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 3.222 A/m = 10.16 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-Y538-A1-GSM850-190CH

**DUT: Y538-A1; 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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 6.32 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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 25.09 dB

ABM1 comp = 6.32 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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

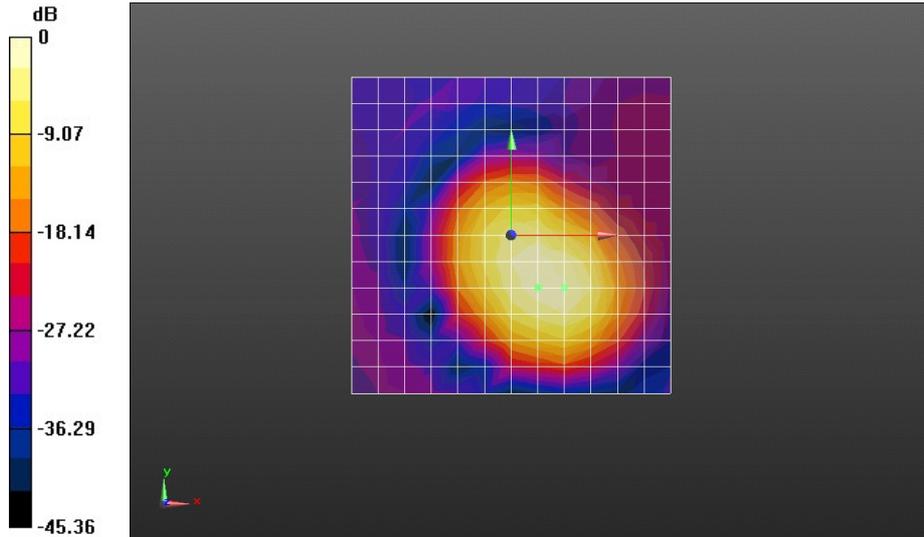
Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

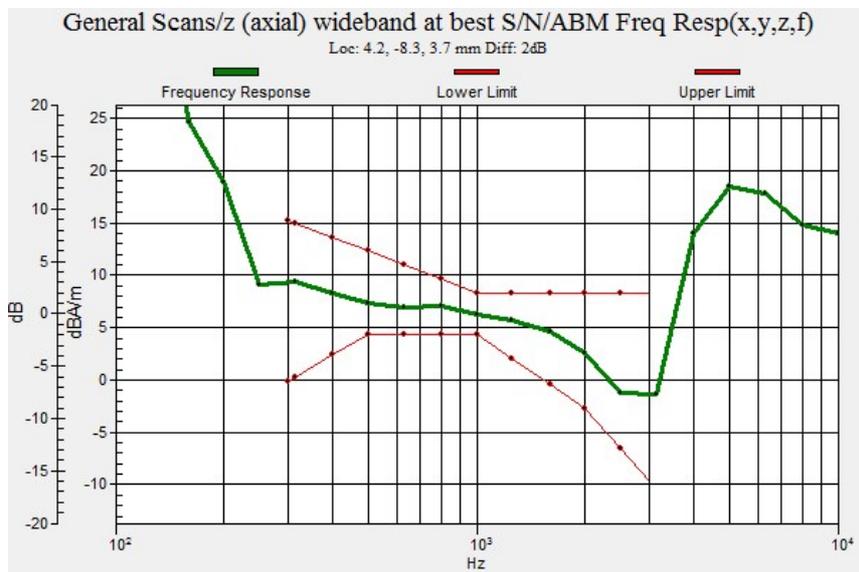
Diff = 2.00 dB

BWC Factor = 10.78 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 3.222 A/m = 10.16 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-GSM1900-661CH****DUT: Y538-A1; 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/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):**

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

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

Output Gain: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 2.08 dBA/m

BWC Factor = 0.14 dB

Location: 8.3, -12.5, 3.7 mm

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

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

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

Output Gain: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

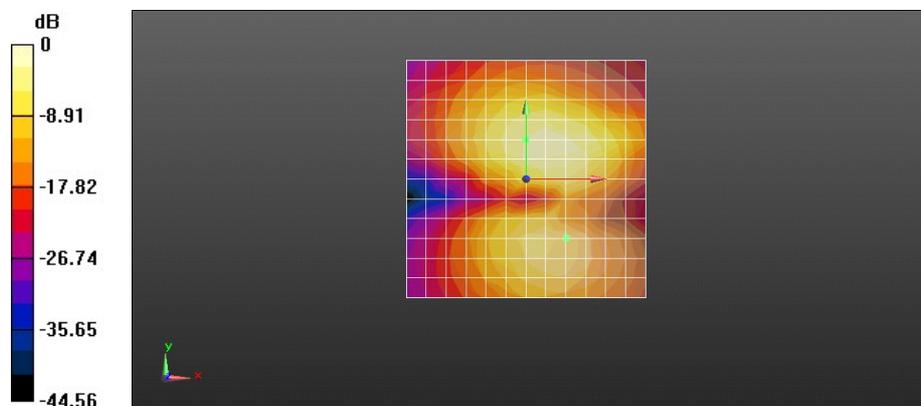
**Cursor:**

ABM1/ABM2 = 38.66 dB

ABM1 comp = -0.38 dBA/m

BWC Factor = 0.14 dB

Location: 0, 8.3, 3.7 mm



0 dB = 1.271 A/m = 2.08 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-GSM1900-661CH****DUT: Y538-A1; 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) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):**

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

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

Output Gain: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 10.33 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: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

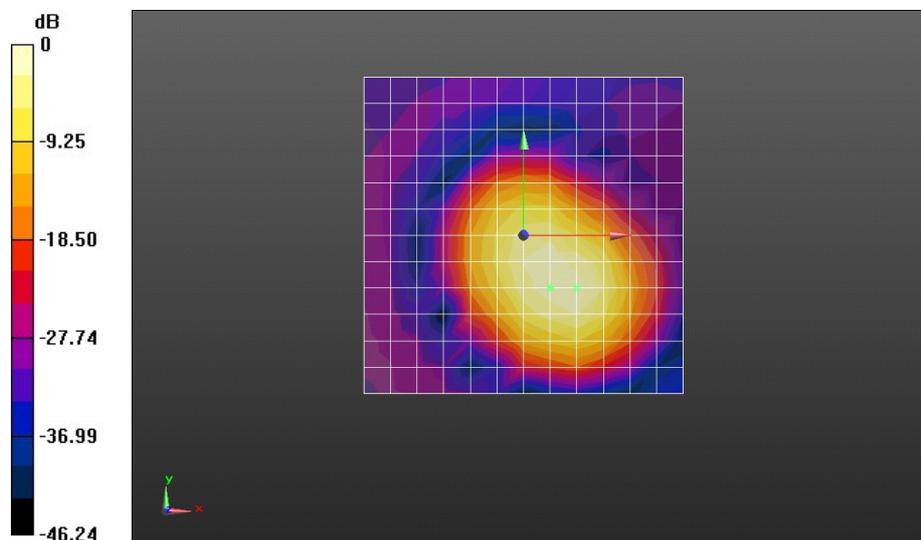
**Cursor:**

ABM1/ABM2 = 32.30 dB

ABM1 comp = 9.07 dBA/m

BWC Factor = 0.14 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 3.285 A/m = 10.33 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-Y538-A1-GSM1900-661CH

**DUT: Y538-A1; 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(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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 6.62 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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 29.46 dB

ABM1 comp = 6.62 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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

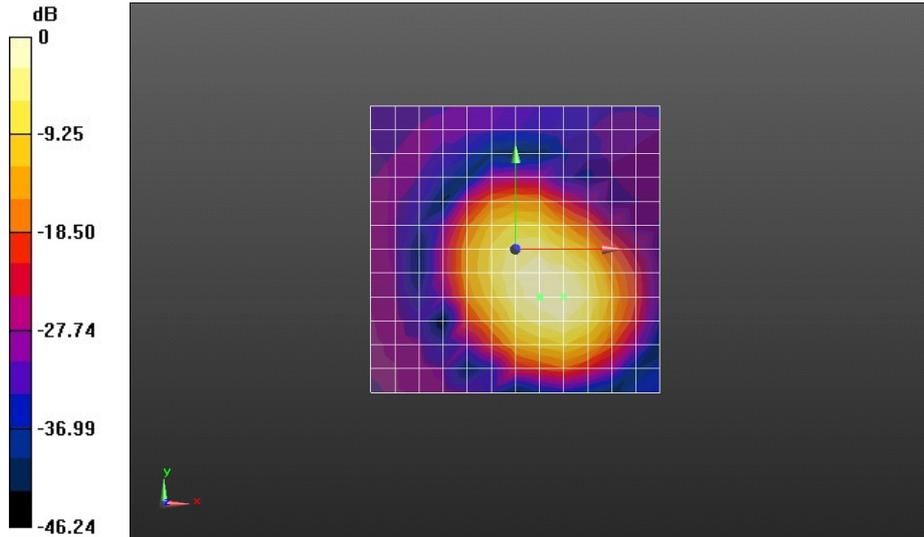
Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

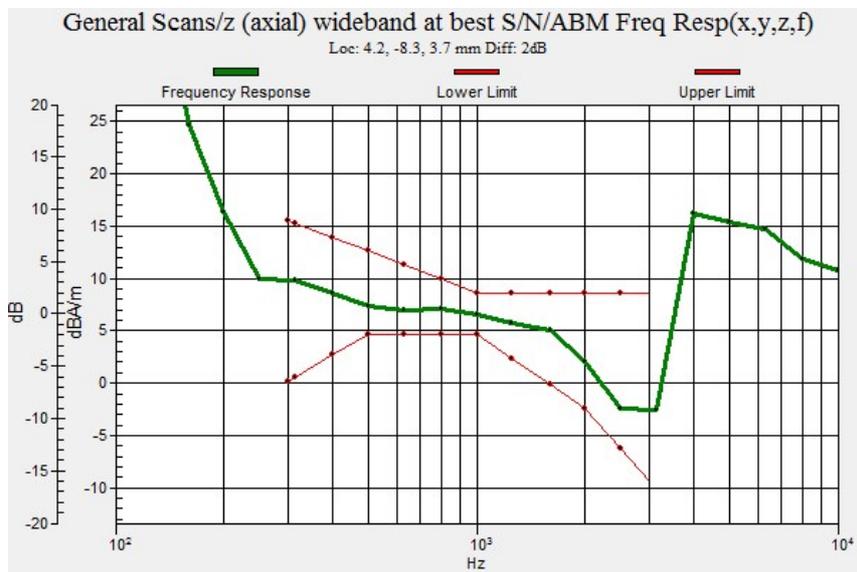
Diff = 2.00 dB

BWC Factor = 10.78 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 3.285 A/m = 10.33 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-UMTS Band II-9400CH****DUT: Y538-A1; 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(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: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 2.25 dBA/m

BWC Factor = 0.14 dB

Location: 4.2, -12.5, 3.7 mm

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

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

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

Output Gain: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

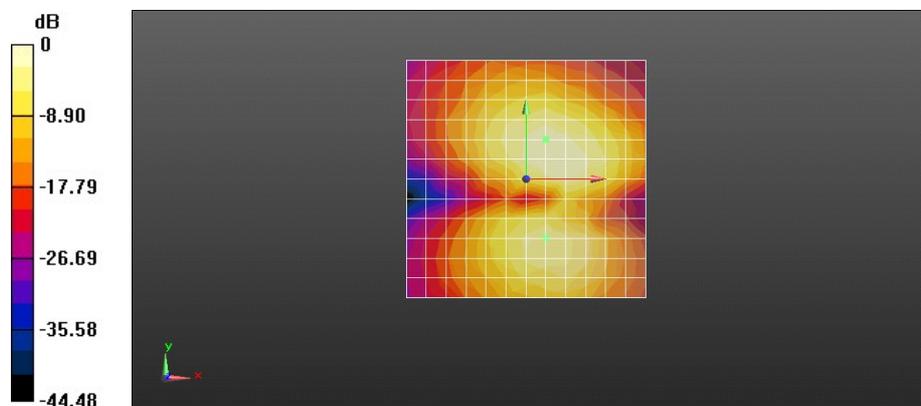
**Cursor:**

ABM1/ABM2 = 40.15 dB

ABM1 comp = 0.90 dBA/m

BWC Factor = 0.14 dB

Location: 4.2, 8.3, 3.7 mm



0 dB = 1.295 A/m = 2.25 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-UMTS Band II-9400CH****DUT: Y538-A1; 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: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 10.60 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: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

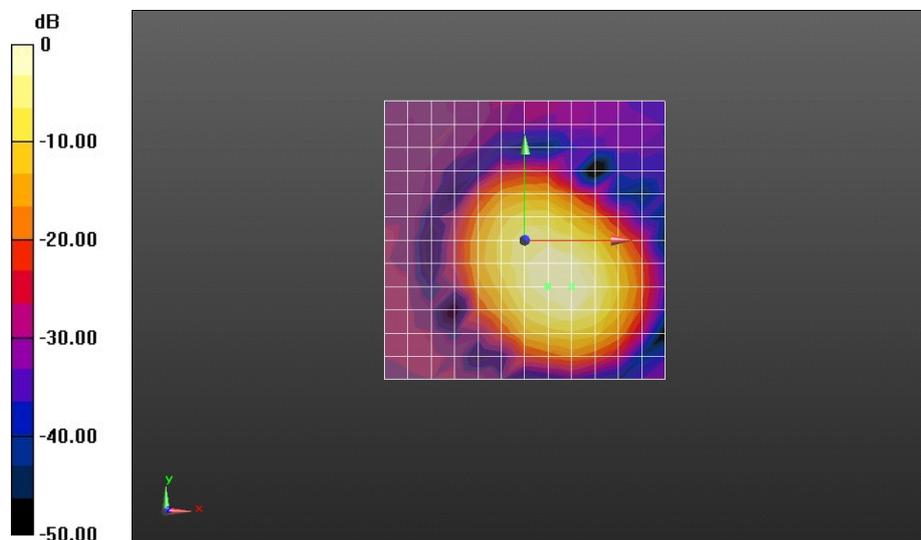
**Cursor:**

ABM1/ABM2 = 38.89 dB

ABM1 comp = 9.50 dBA/m

BWC Factor = 0.14 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 3.389 A/m = 10.60 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-Y538-A1-UMTS Band II-9400CH

**DUT: Y538-A1; 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(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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 5.46 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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 34.50 dB

ABM1 comp = 5.46 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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

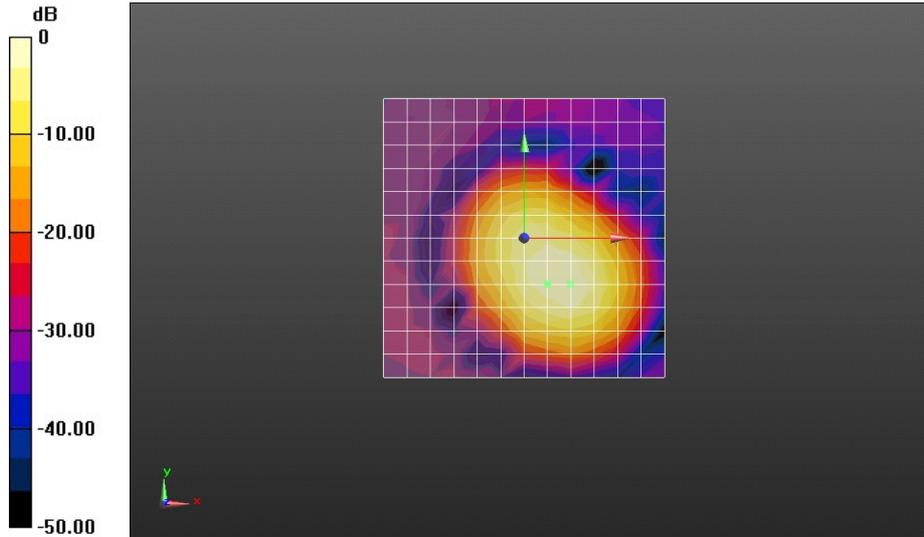
Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

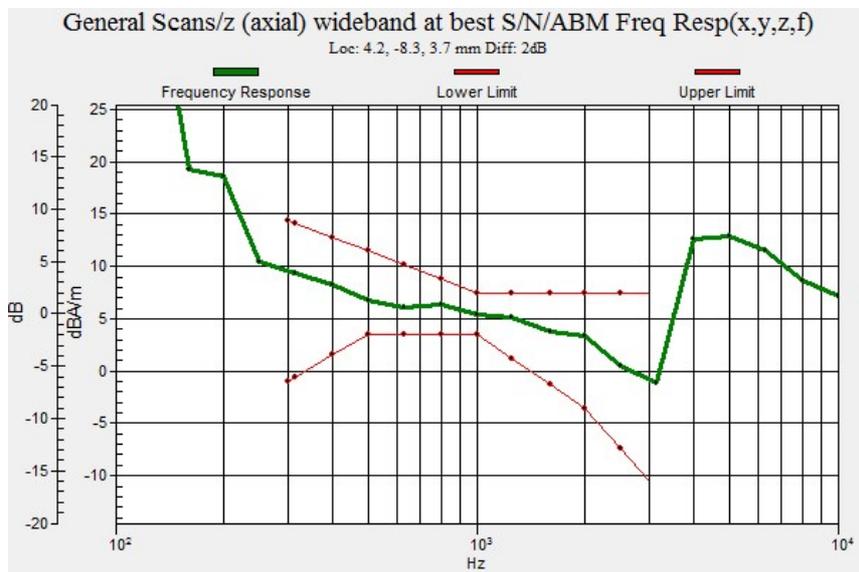
Diff = 2.00 dB

BWC Factor = 10.78 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 3.389 A/m = 10.60 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-UMTS Band V-4182CH****DUT: Y538-A1; 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(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: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 2.53 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: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

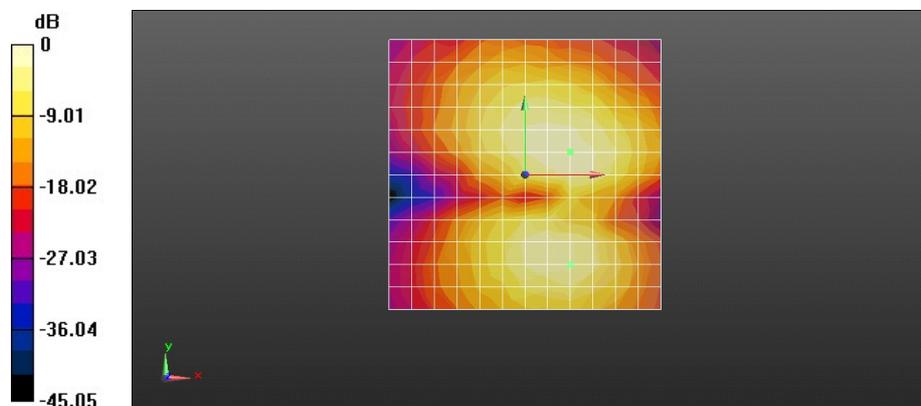
**Cursor:**

ABM1/ABM2 = 40.34 dB

ABM1 comp = 1.13 dBA/m

BWC Factor = 0.14 dB

Location: 8.3, 4.2, 3.7 mm



0 dB = 1.337 A/m = 2.52 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-UMTS Band V-4182CH****DUT: Y538-A1; 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: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 10.47 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: 38.46

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

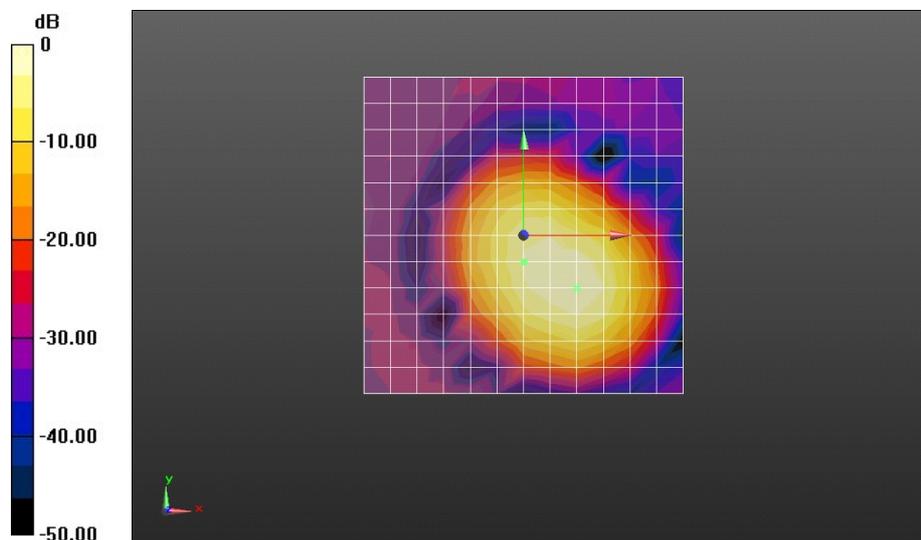
**Cursor:**

ABM1/ABM2 = 39.57 dB

ABM1 comp = 7.66 dBA/m

BWC Factor = 0.14 dB

Location: 0, -4.2, 3.7 mm



0 dB = 3.339 A/m = 10.47 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-Y538-A1-UMTS Band V-4182CH

**DUT: Y538-A1; 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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 3.99 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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 35.49 dB

ABM1 comp = 3.99 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: 75.32

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

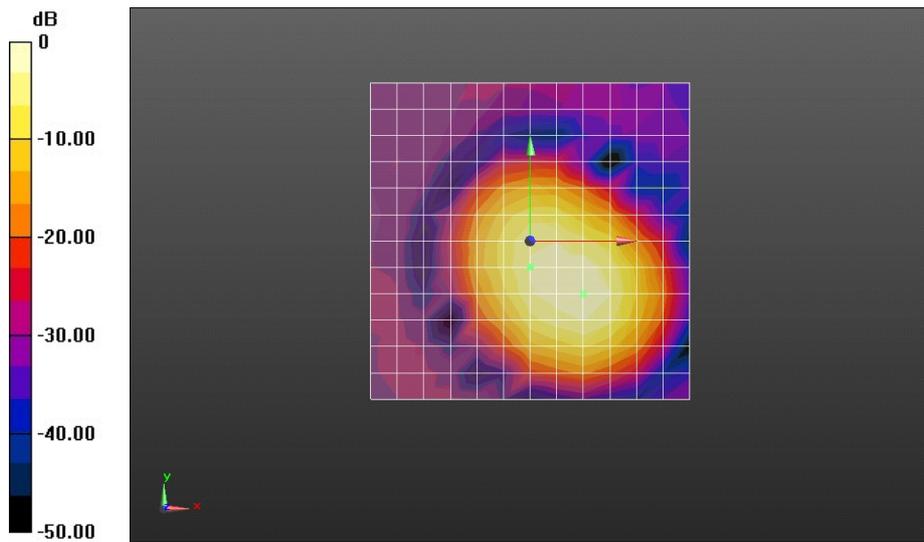
Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

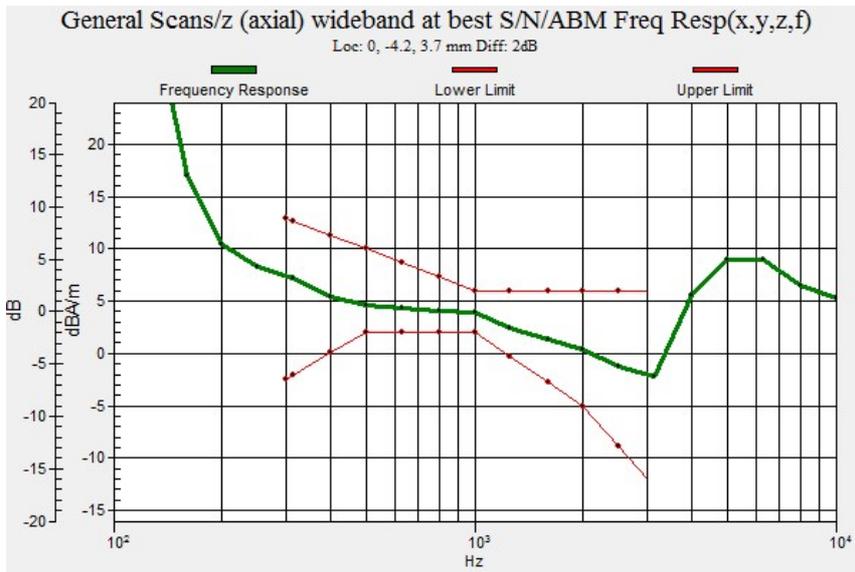
Diff = 2.00 dB

BWC Factor = 10.78 dB

Location: 0, -4.2, 3.7 mm



0 dB = 3.339 A/m = 10.47 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-CDMA BC0-384CH**

**DUT: Y538-A1; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 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(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: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 5.92 dBA/m

BWC Factor = 0.14 dB

Location: 8.3, -12.5, 3.7 mm

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

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

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

Output Gain: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

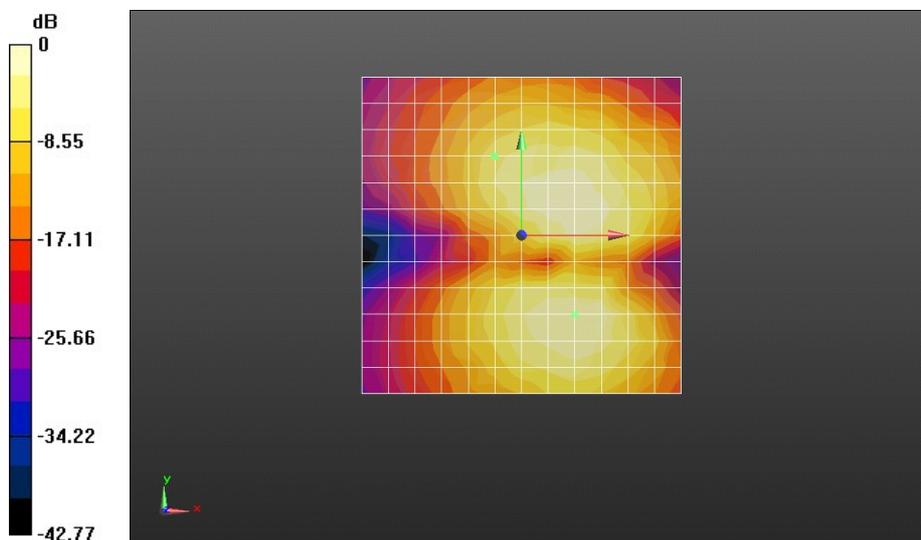
**Cursor:**

ABM1/ABM2 = 38.48 dB

ABM1 comp = -0.36 dBA/m

BWC Factor = 0.14 dB

Location: -4.2, 12.5, 3.7 mm



0 dB = 1.978 A/m = 5.92 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-CDMA BC0-384CH****DUT: Y538-A1; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 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: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 13.83 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: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

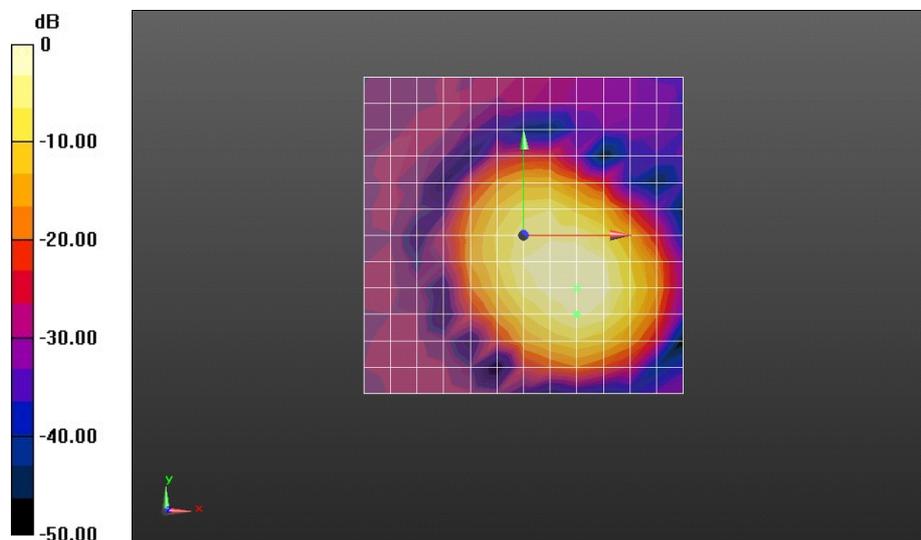
**Cursor:**

ABM1/ABM2 = 37.63 dB

ABM1 comp = 11.56 dBA/m

BWC Factor = 0.14 dB

Location: 8.3, -12.5, 3.7 mm



0 dB = 4.914 A/m = 13.83 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-Y538-A1-CDMA BC0-384CH

**DUT: Y538-A1; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, CDMA2000 (0); Frequency: 836.52 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(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: 59.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 10.24 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, -12.5, 3.7 mm

### T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM SNR(x,y,z) (1x1x1):

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

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

Output Gain: 59.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 35.84 dB

ABM1 comp = 10.24 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, -12.5, 3.7 mm

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

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

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

Output Gain: 59.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

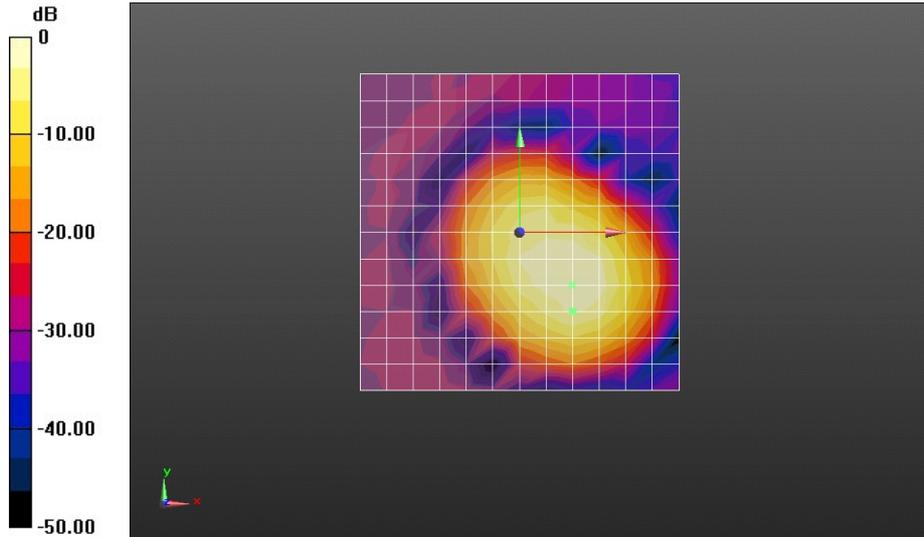
Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

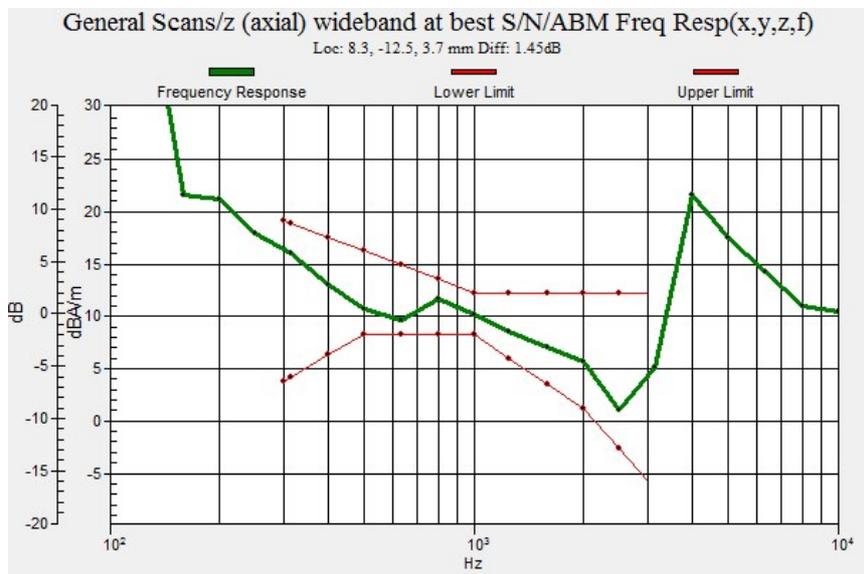
Diff = 1.45 dB

BWC Factor = 10.78 dB

Location: 8.3, -12.5, 3.7 mm



0 dB = 4.914 A/m = 13.83 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-CDMA BC1-600CH****DUT: Y538-A1; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, CDMA2000 (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(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: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 5.51 dBA/m

BWC Factor = 0.15 dB

Location: 8.3, -12.5, 3.7 mm

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

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

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

Output Gain: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

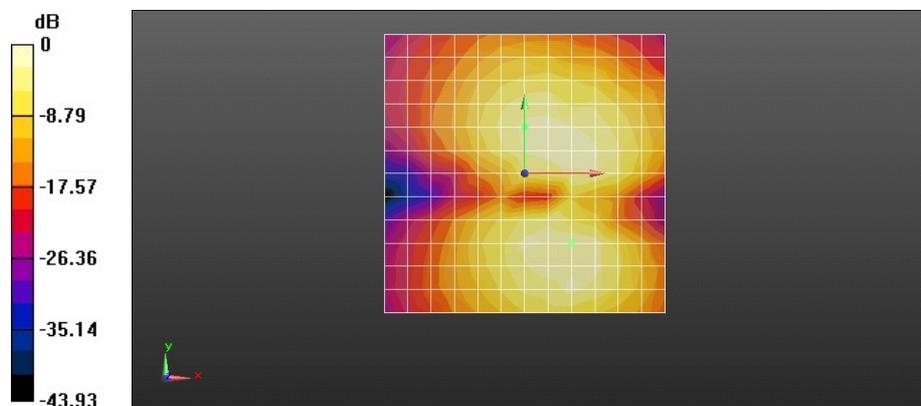
**Cursor:**

ABM1/ABM2 = 38.25 dB

ABM1 comp = 3.64 dBA/m

BWC Factor = 0.15 dB

Location: 0, 8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-CDMA BC1-600CH****DUT: Y538-A1; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, CDMA2000 (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: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 12.83 dBA/m

BWC Factor = 0.15 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: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

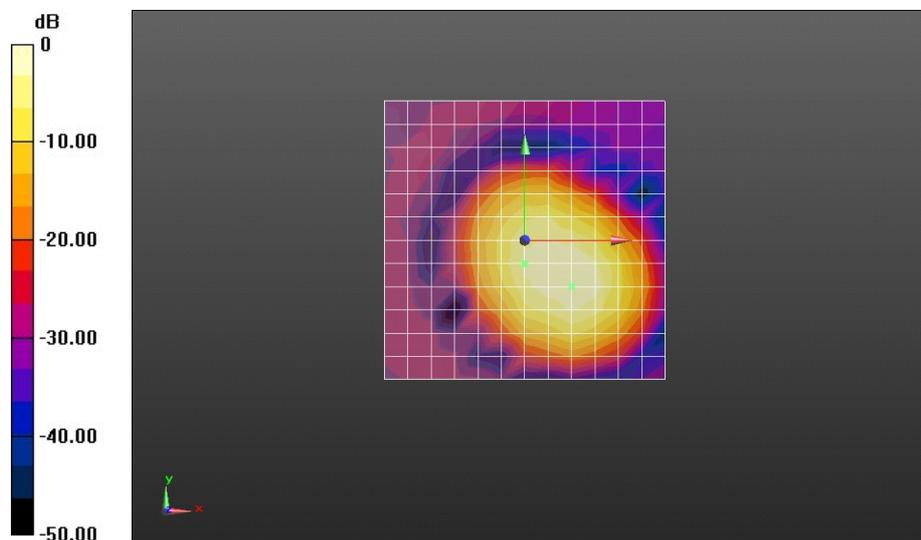
**Cursor:**

ABM1/ABM2 = 37.54 dB

ABM1 comp = 10.84 dBA/m

BWC Factor = 0.15 dB

Location: 0, -4.2, 3.7 mm



0 dB = 4.382 A/m = 12.83 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

## HAC-T-Coil-Y538-A1-CDMA BC1-600CH

**DUT: Y538-A1; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, CDMA2000 (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(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: 59.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1 comp = 8.73 dBA/m

BWC Factor = 10.80 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: 59.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

ABM1/ABM2 = 35.43 dB

ABM1 comp = 8.73 dBA/m

BWC Factor = 10.80 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: 59.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

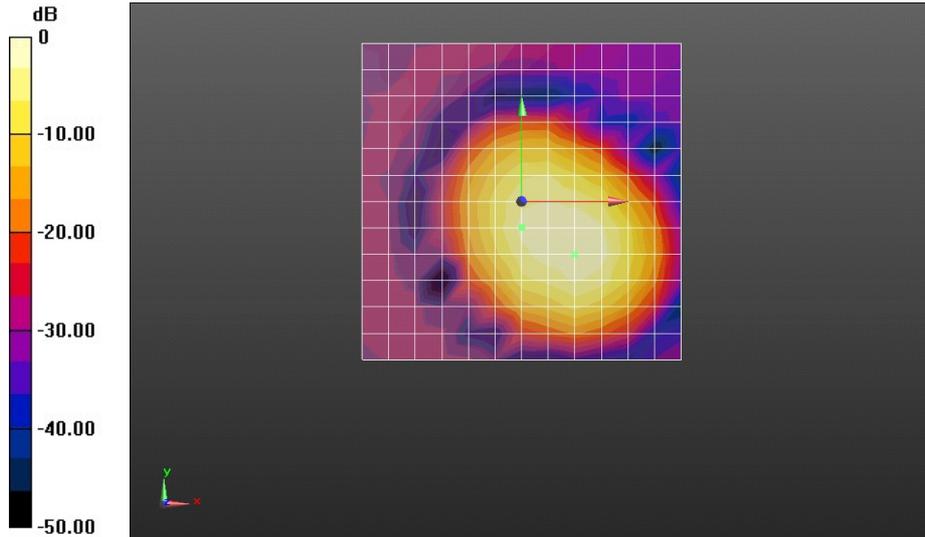
Device Reference Point: 0, 0, -6.3 mm

#### Cursor:

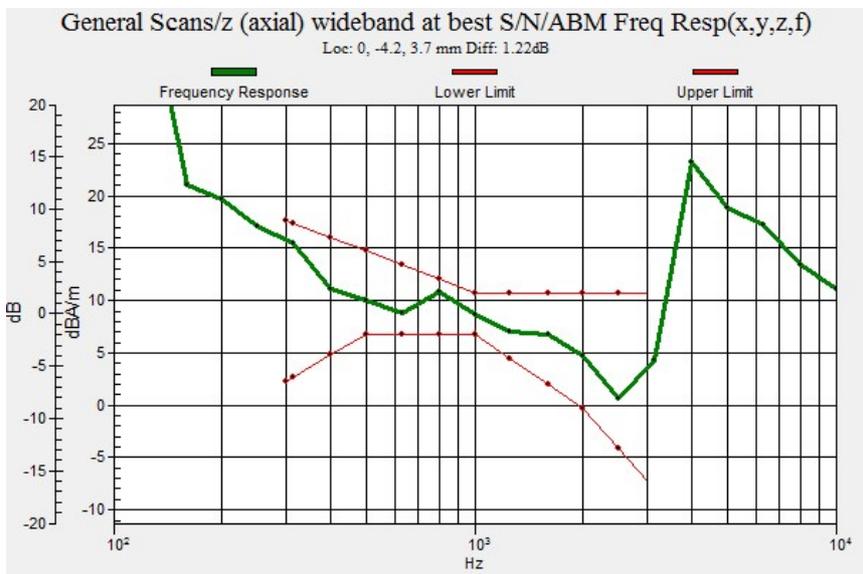
Diff = 1.22 dB

BWC Factor = 10.80 dB

Location: 0, -4.2, 3.7 mm



0 dB = 4.382 A/m = 12.83 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-CDMA BC10-565CH****DUT: Y538-A1; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, CDMA2000 (0); Frequency: 820.125 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(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: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 5.55 dBA/m

BWC Factor = 0.15 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: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

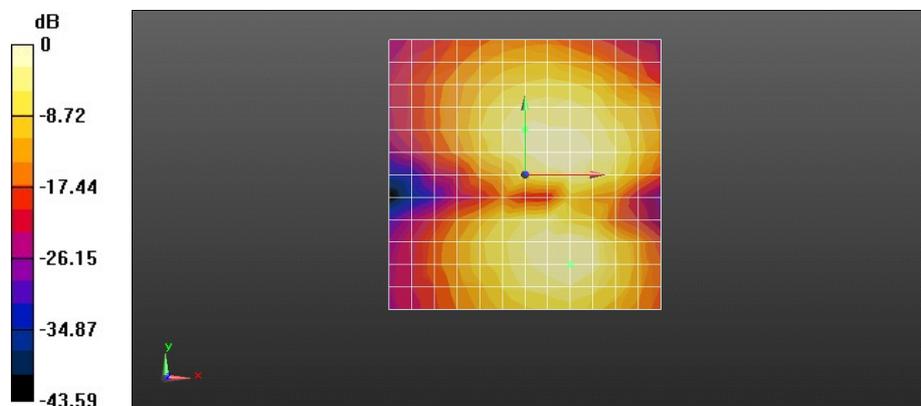
**Cursor:**

ABM1/ABM2 = 38.45 dB

ABM1 comp = 3.64 dBA/m

BWC Factor = 0.15 dB

Location: 0, 8.3, 3.7 mm



0 dB = 1.895 A/m = 5.55 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

**HAC-T-Coil-Y538-A1-CDMA BC10-565CH****DUT: Y538-A1; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, CDMA2000 (0); Frequency: 820.125 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: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

**Cursor:**

ABM1 comp = 12.91 dBA/m

BWC Factor = 0.15 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: 30.55

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

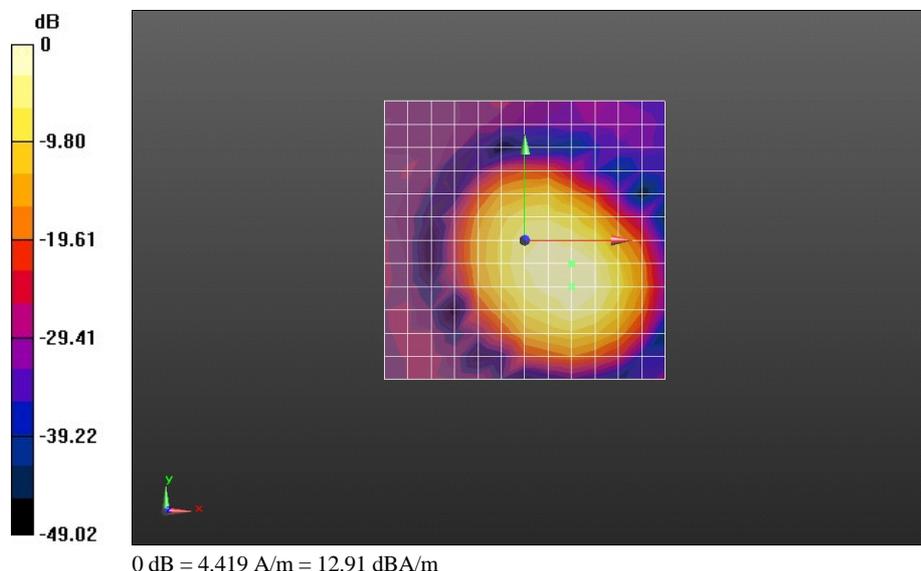
**Cursor:**

ABM1/ABM2 = 36.69 dB

ABM1 comp = 12.51 dBA/m

BWC Factor = 0.15 dB

Location: 8.3, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

## **HAC-T-Coil-Y538-A1-CDMA BC10-565CH**

**DUT: Y538-A1; Type: Smart Phone; Serial: SAR1**

Communication System: UID 0, CDMA2000 (0); Frequency: 820.125 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(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: 59.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1 comp = 11.32 dBA/m

BWC Factor = 10.79 dB

Location: 8.3, -4.2, 3.7 mm

### **T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM SNR(x,y,z) (1x1x1):**

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

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

Output Gain: 59.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

ABM1/ABM2 = 35.54 dB

ABM1 comp = 11.32 dBA/m

BWC Factor = 10.79 dB

Location: 8.3, -4.2, 3.7 mm

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

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

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

Output Gain: 59.83

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

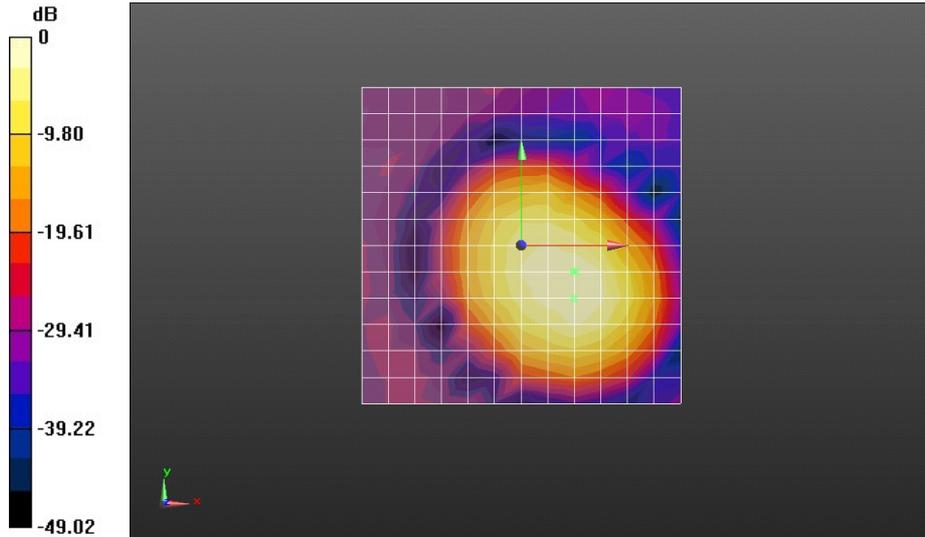
Device Reference Point: 0, 0, -6.3 mm

#### **Cursor:**

Diff = 1.62 dB

BWC Factor = 10.79 dB

Location: 8.3, -4.2, 3.7 mm



0 dB = 4.419 A/m = 12.91 dBA/m

