



Appendix A. T-coil Measurement Plots

Table of contents
T-Coil Measurement plots of CDMA BC0
T-Coil Measurement plots of CDMA BC1

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H710VL-CDMA-BC0-384CH

DUT: H710VL; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: TCoil Section

DASY Configuration:

- ⌘ Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ⌘ Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ⌘ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ⌘ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ⌘ DASY52 52.8.8(1222);

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: 29.17

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -4.80 dBA/m

BWC Factor = 0.15 dB

Location: 0, 8.3, 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: 29.17

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

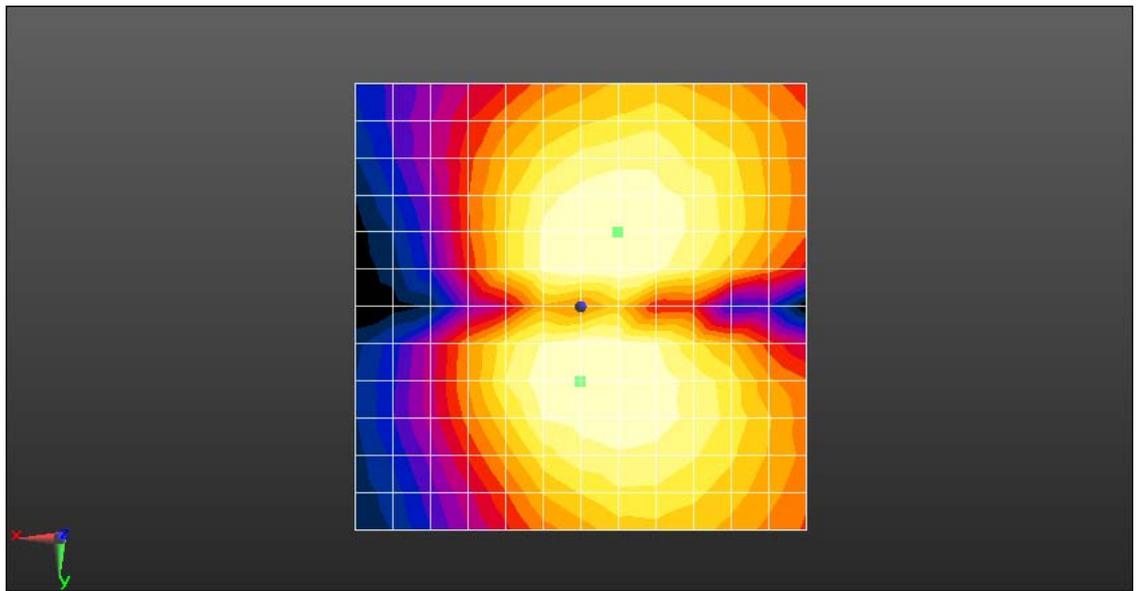
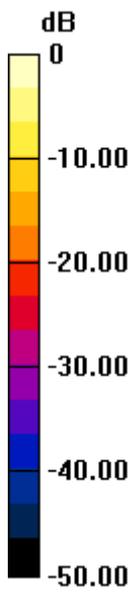
Cursor:

ABM1/ABM2 = 32.75 dB

ABM1 comp = -6.71 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -8.3, 3.7 mm



0 dB = 0.5753 A/m = -4.80 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H710VL-CDMA-BC0-384CH

DUT: H710VL; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: TCoil Section

DASY Configuration:

- ⌘ Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ⌘ Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ⌘ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ⌘ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ⌘ DASY52 52.8.8(1222);

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: 29.17

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.44 dBA/m

BWC Factor = 0.15 dB

Location: 0, 0, 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: 29.17

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

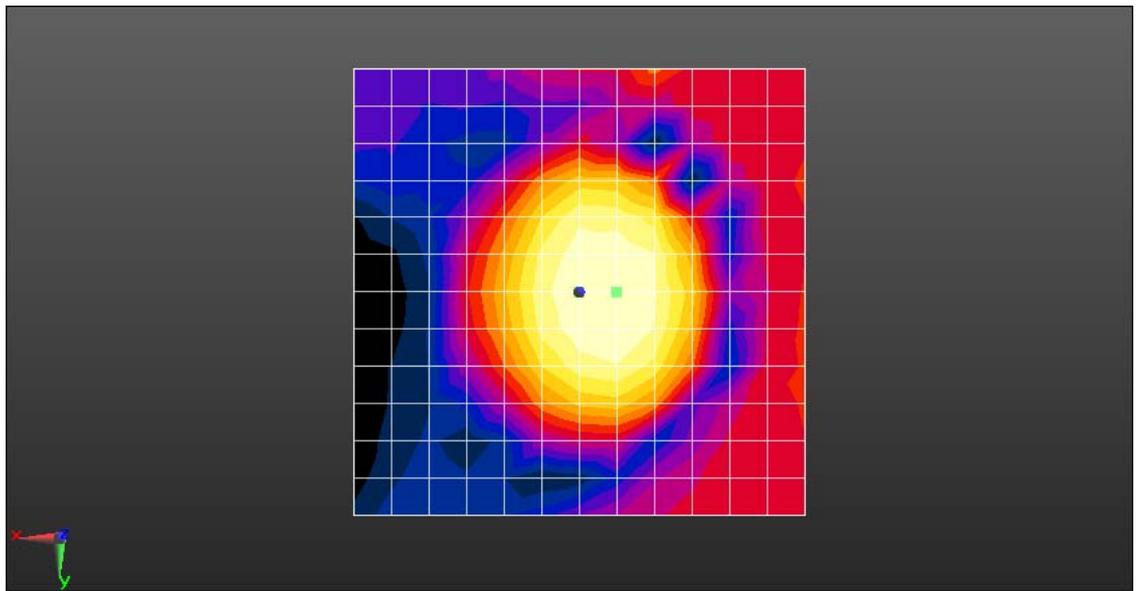
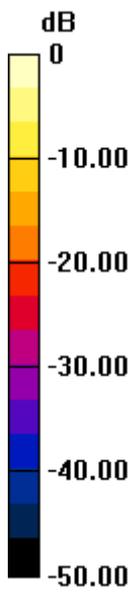
Cursor:

ABM1/ABM2 = 32.53 dB

ABM1 comp = 0.37 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 0, 3.7 mm



0 dB = 1.487 A/m = 3.45 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H710VL-CDMA-BC0-384CH

DUT: H710VL; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-CDMA2000 (0); Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: TCoil Section

DASY Configuration:

- ⌘ Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ⌘ Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ⌘ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ⌘ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ⌘ DASY52 52.8.8(1222);

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: 57.13

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -1.37 dBA/m

BWC Factor = 10.79 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: 57.13

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 30.28 dB

ABM1 comp = -1.37 dBA/m

BWC Factor = 10.79 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: 57.13

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

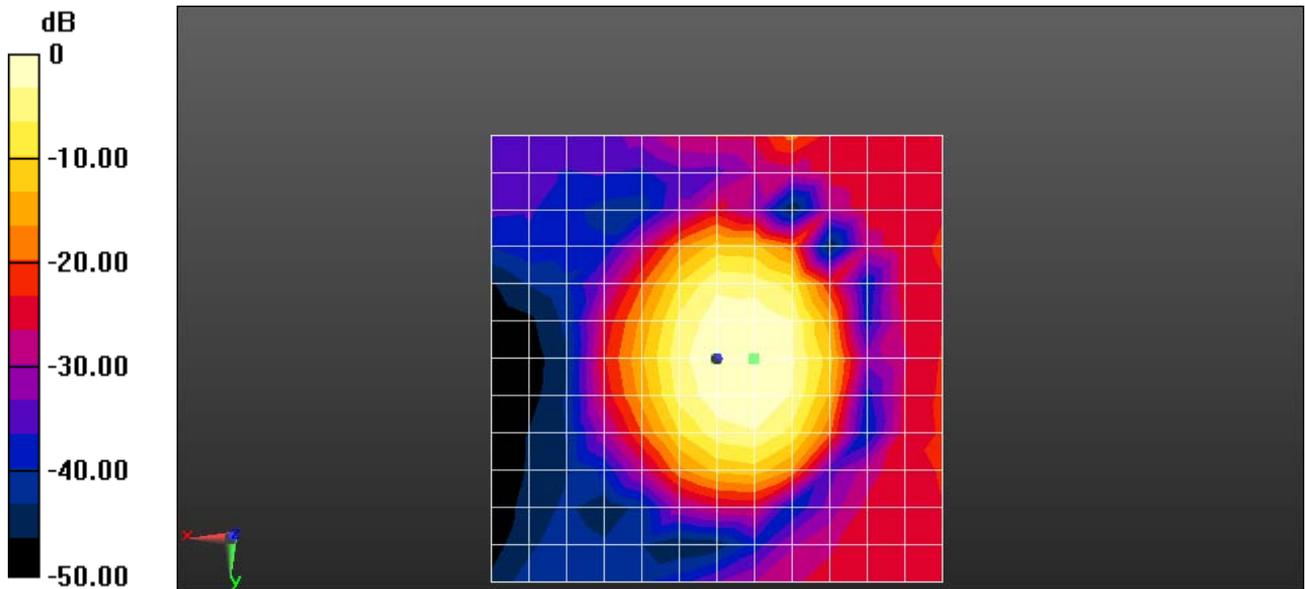
Device Reference Point: 0, 0, -6.3 mm

Cursor:

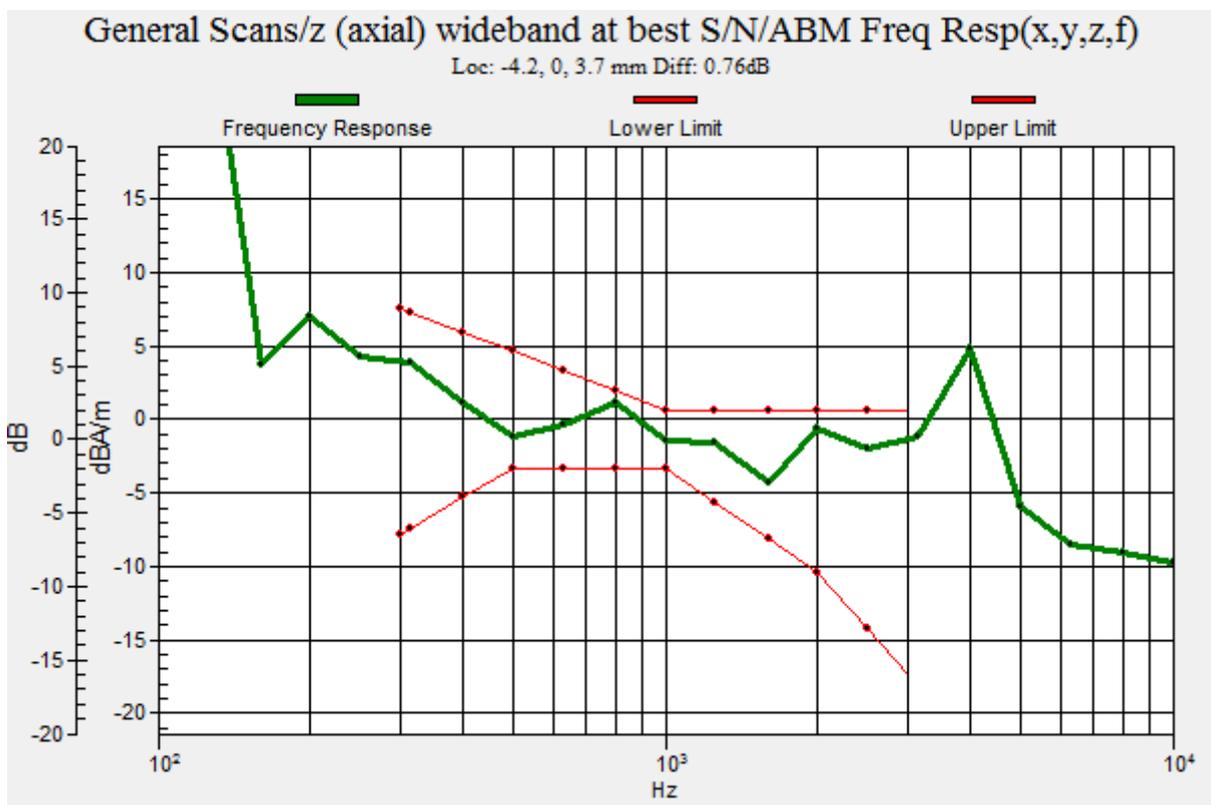
Diff = 0.76 dB

BWC Factor = 10.79 dB

Location: -4.2, 0, 3.7 mm



0 dB = 1.487 A/m = 3.45 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H710VL-CDMA-BC1-600CH

DUT: H710VL; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: TCoil Section

DASY Configuration:

- ⌘ Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ⌘ Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ⌘ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ⌘ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ⌘ DASY52 52.8.8(1222);

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: 29.17

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -4.79 dBA/m

BWC Factor = 0.15 dB

Location: 0, 8.3, 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: 29.17

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

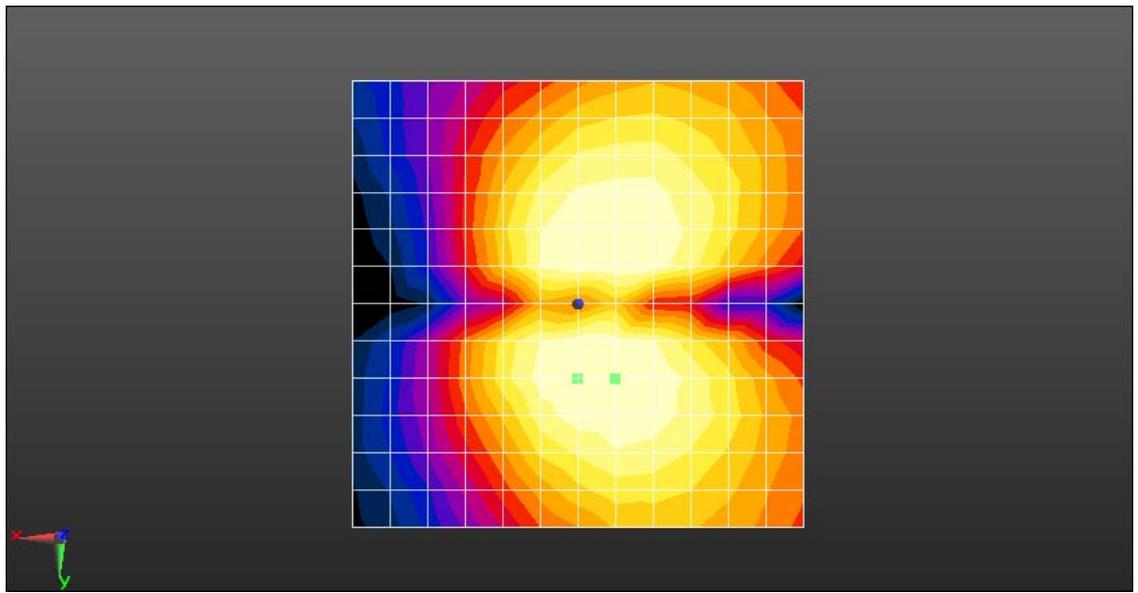
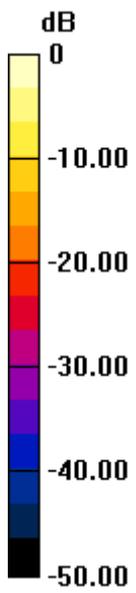
Cursor:

ABM1/ABM2 = 32.51 dB

ABM1 comp = -6.75 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 8.3, 3.7 mm



0 dB = 0.5760 A/m = -4.79 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H710VL-CDMA-BC1-600CH

DUT: H710VL; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: TCoil Section

DASY Configuration:

- z Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- z Sensor-Surface: 0mm (Fix Surface), z = 3.0
- z Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- z Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- z DASY52 52.8.8(1222);

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: 29.17

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.26 dBA/m

BWC Factor = 0.15 dB

Location: 0, 0, 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: 29.17

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

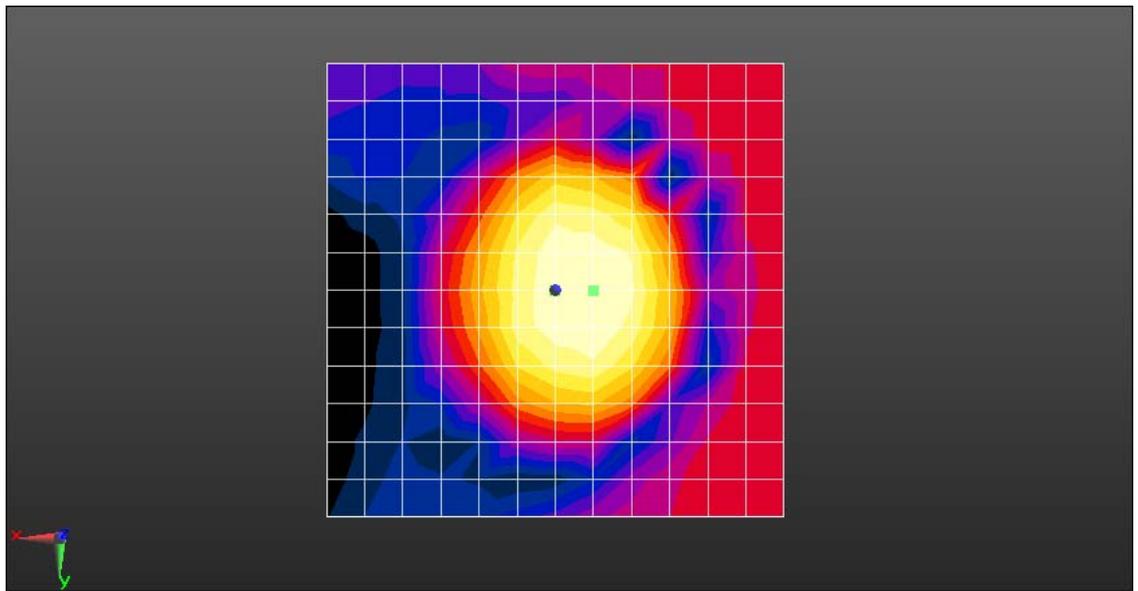
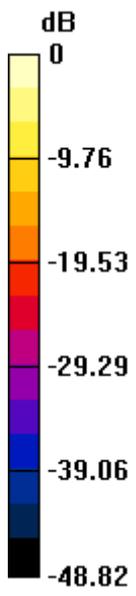
Cursor:

ABM1/ABM2 = 32.21 dB

ABM1 comp = 0.35 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, 0, 3.7 mm



0 dB = 1.455 A/m = 3.26 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H710VL-CDMA-BC1-600CH

DUT: H710VL; Type: Smart Phone; Serial: SAR1

Communication System: UID 0, HW-CDMA2000 (0); Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: TCoil Section

DASY Configuration:

- ⌘ Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ⌘ Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ⌘ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ⌘ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ⌘ DASY52 52.8.8(1222);

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: 57.13

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -1.41 dBA/m

BWC Factor = 10.79 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: 57.13

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 30.20 dB

ABM1 comp = -1.41 dBA/m

BWC Factor = 10.79 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: 57.13

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

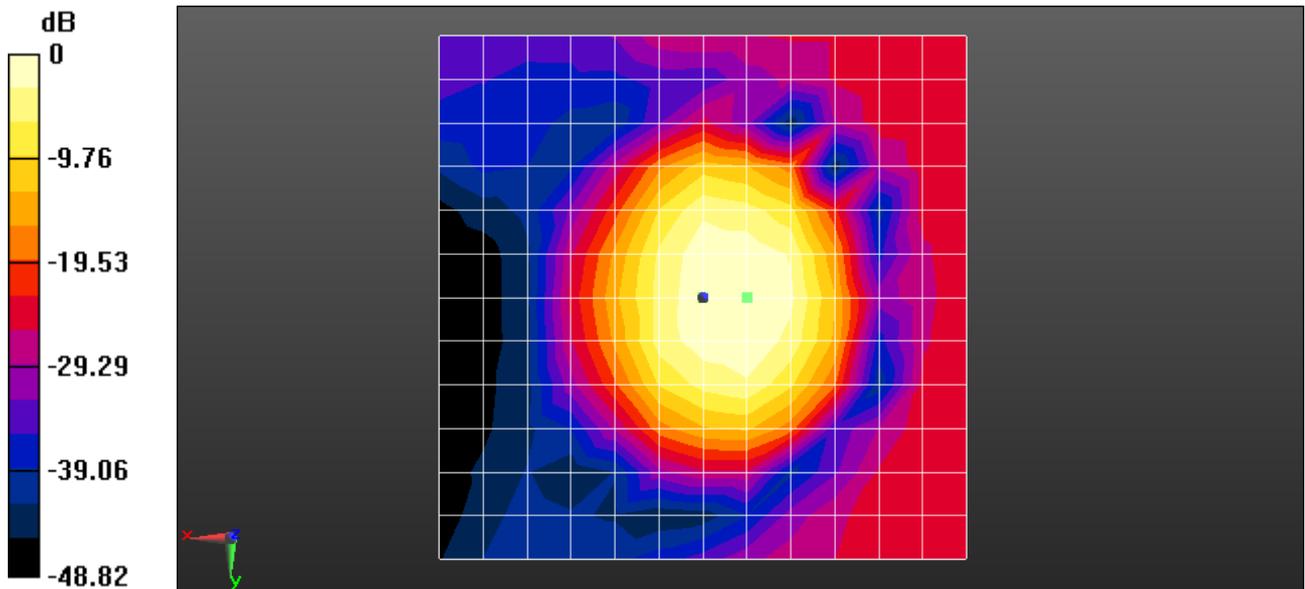
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 1.55 dB

BWC Factor = 10.79 dB

Location: -4.2, 0, 3.7 mm



0 dB = 1.455 A/m = 3.26 dBA/m

