Appendix B T-coil Measurement Plots

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T-coil Measurement Plots of CDMA BC0
T-coil Measurement Plots of CDMA BC1

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H892L-CDMA BC0-384CH

DUT: H892L; 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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
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: 29.38
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1 comp = -7.59 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, -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: 29.38
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
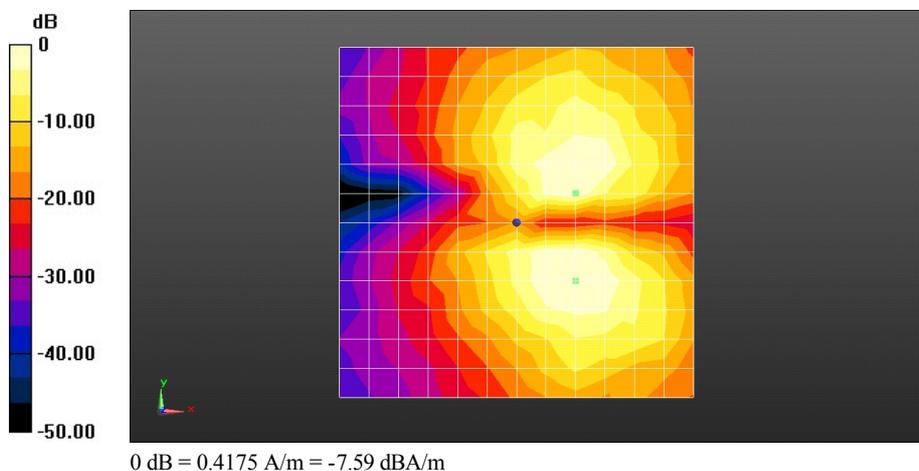Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 40.14 dB
ABM1 comp = -8.07 dBA/m
BWC Factor = 0.16 dB
Location: 8.3, 4.2, 3.7 mm

0 dB = 0.4175 A/m = -7.59 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H892L-CDMA BC0-384CH

DUT: H892L; 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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
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: 29.38
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1 comp = 3.77 dBA/m
BWC Factor = 0.16 dB
Location: 4.2, 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: 29.38
Measure Window Start: 300ms
Measure Window Length: 1000ms
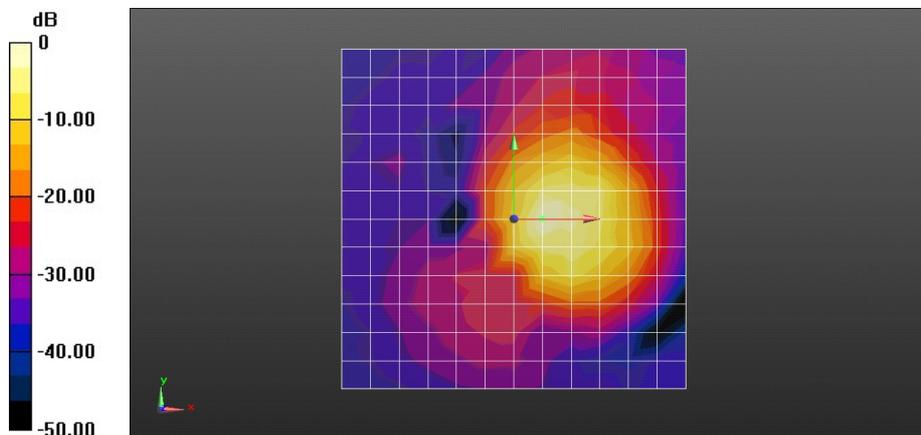BWC applied: 0.16 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 45.98 dB
ABM1 comp = 3.77 dBA/m
BWC Factor = 0.16 dB
Location: 4.2, 0, 3.7 mm

0 dB = 1.543 A/m = 3.77 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H892L-CDMA BC0-384CH

DUT: H892L; 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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
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: 57.53
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1 comp = -2.05 dBA/m
BWC Factor = 10.80 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: 57.53
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 38.45 dB
ABM1 comp = -2.05 dBA/m
BWC Factor = 10.80 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: 57.53
Measure Window Start: 300ms
Measure Window Length: 2000ms
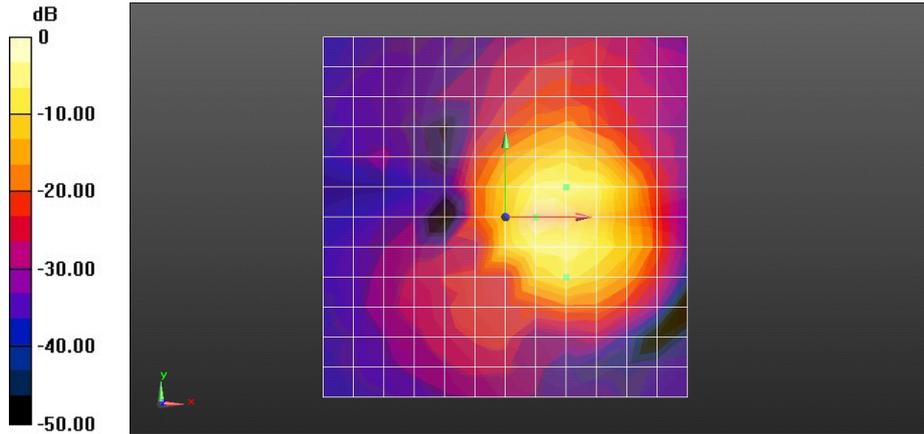BWC applied: 10.80 dB
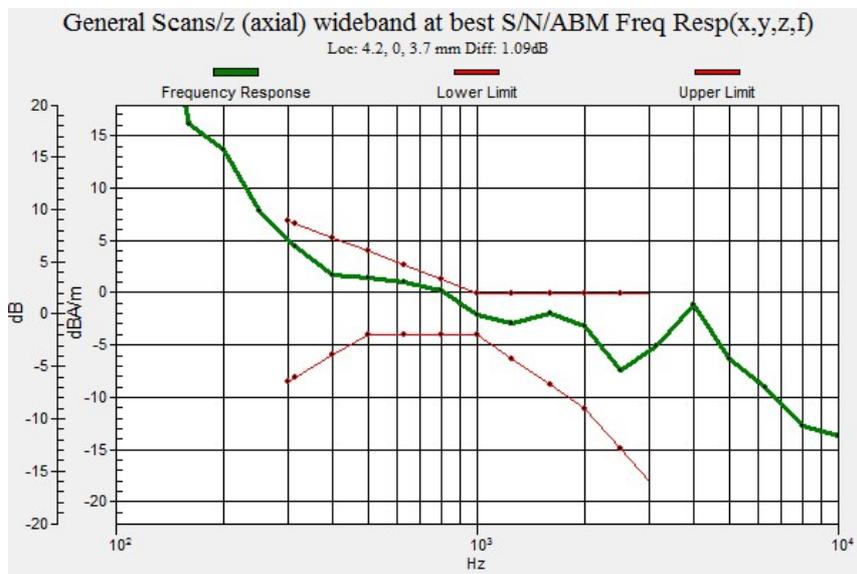Device Reference Point: 0, 0, -6.3 mm

Cursor:
Diff = 1.09 dB
BWC Factor = 10.80 dB
Location: 4.2, 0, 3.7 mm

0 dB = 1.543 A/m = 3.77 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: 1.09dB

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H892L-CDMA BC1-600CH

DUT: H892L; 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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
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: 29.38
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.15 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1 comp = -4.59 dBA/m
BWC Factor = 0.15 dB
Location: 12.5, -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: 29.38
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.15 dB
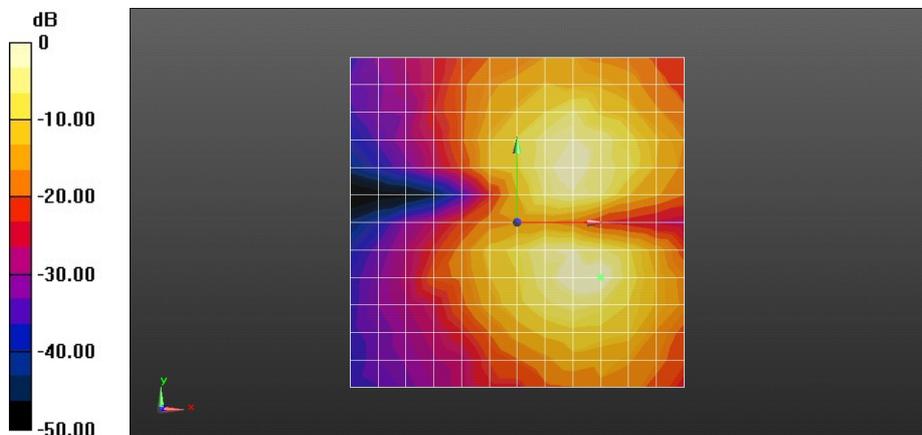Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 42.82 dB
ABM1 comp = -4.59 dBA/m
BWC Factor = 0.15 dB
Location: 12.5, -8.3, 3.7 mm

0 dB = 0.5893 A/m = -4.59 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H892L-CDMA BC1-600CH

DUT: H892L; 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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
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: 29.38
Measure Window Start: 300ms
Measure Window Length: 1000ms
BWC applied: 0.15 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1 comp = 1.00 dBA/m
BWC Factor = 0.15 dB
Location: 8.3, 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: 29.38
Measure Window Start: 300ms
Measure Window Length: 1000ms
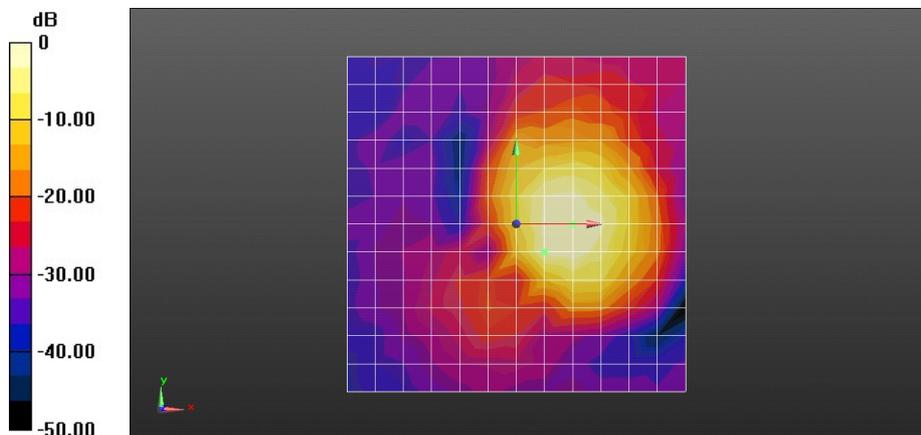BWC applied: 0.15 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 42.84 dB
ABM1 comp = -1.26 dBA/m
BWC Factor = 0.15 dB
Location: 4.2, -4.2, 3.7 mm

0 dB = 1.122 A/m = 1.00 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-H892L-CDMA BC1-600CH

DUT: H892L; 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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
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: 57.53
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1 comp = -4.53 dBA/m
BWC Factor = 10.80 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: 57.53
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
ABM1/ABM2 = 38.35 dB
ABM1 comp = -4.53 dBA/m
BWC Factor = 10.80 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: 57.53
Measure Window Start: 300ms
Measure Window Length: 2000ms
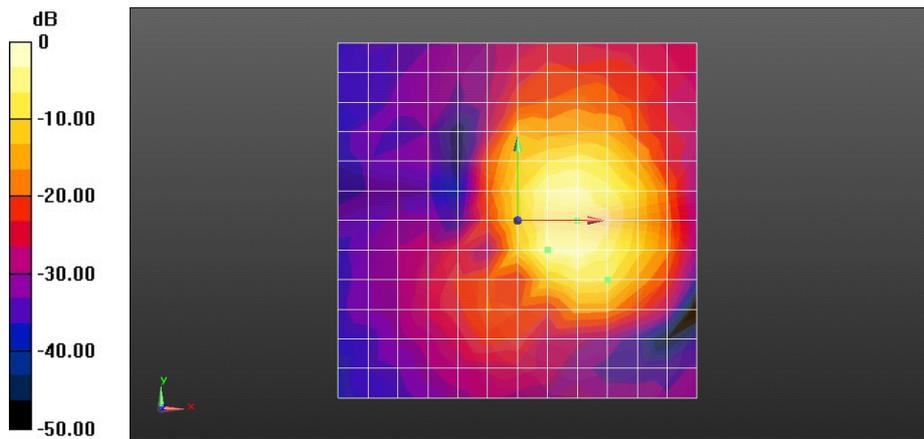BWC applied: 10.80 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:
Diff = 0.87 dB
BWC Factor = 10.80 dB
Location: 4.2, -4.2, 3.7 mm

0 dB = 1.122 A/m = 1.00 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: 0.87dB