



Appendix A. T-coil Measurement Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-GSM850-190CH

DUT: Y536A1; Type: Smart Phone; Serial: SAR1

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

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -1.57 dBA/m

BWC Factor = 0.17 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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

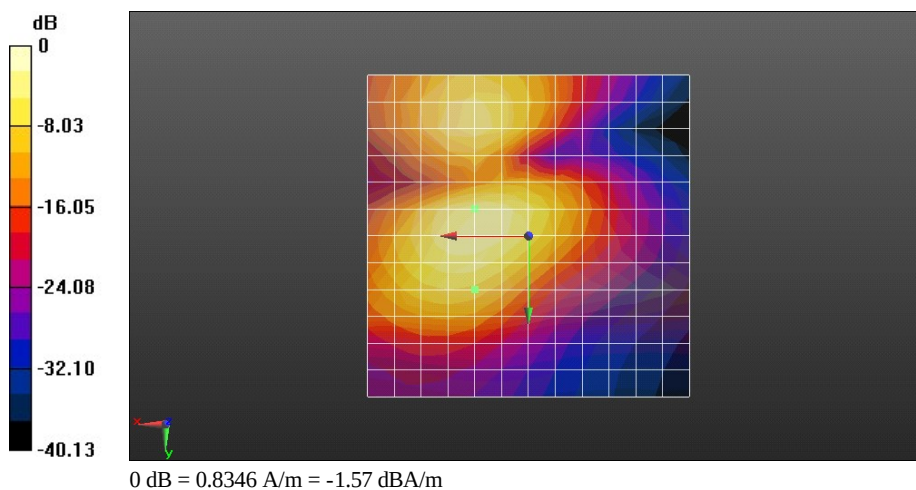
Cursor:

ABM1/ABM2 = 26.71 dB

ABM1 comp = -10.32 dBA/m

BWC Factor = 0.17 dB

Location: 8.3, 8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-GSM850-190CH

DUT: Y536A1; Type: Smart Phone; Serial: SAR1

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

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.79 dBA/m

BWC Factor = 0.17 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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

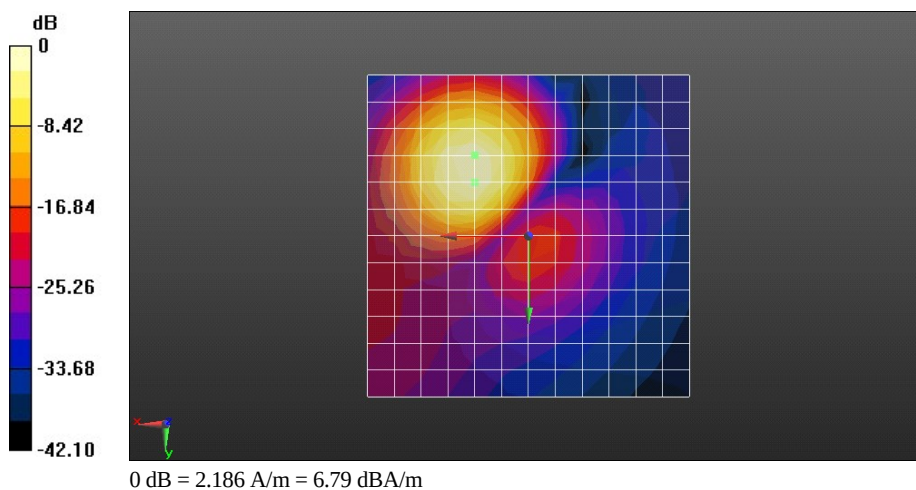
Cursor:

ABM1/ABM2 = 24.56 dB

ABM1 comp = 6.25 dBA/m

BWC Factor = 0.17 dB

Location: 8.3, -12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-GSM850-190CH

DUT: Y536A1; 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/m³

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.82 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.07 dBA/m

BWC Factor = 10.82 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: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.82 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 24.41 dB

ABM1 comp = 6.07 dBA/m

BWC Factor = 10.82 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: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.82 dB

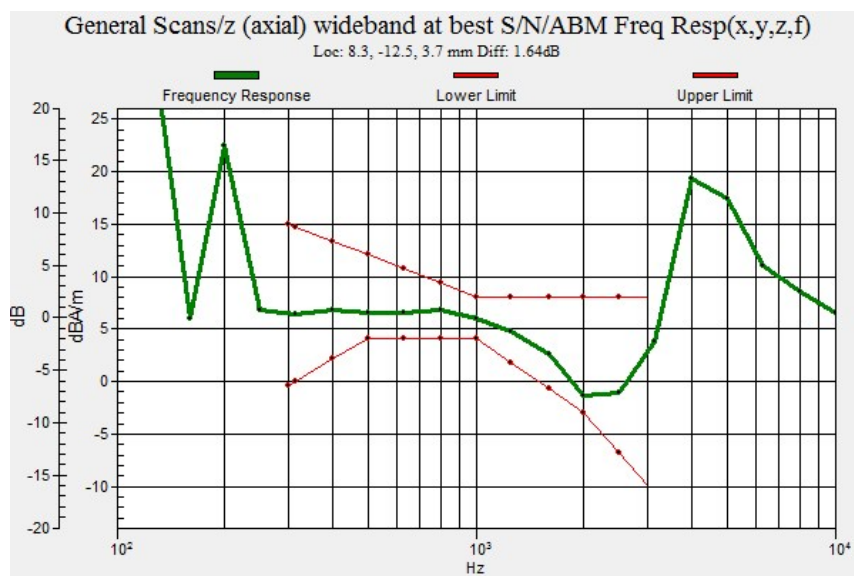
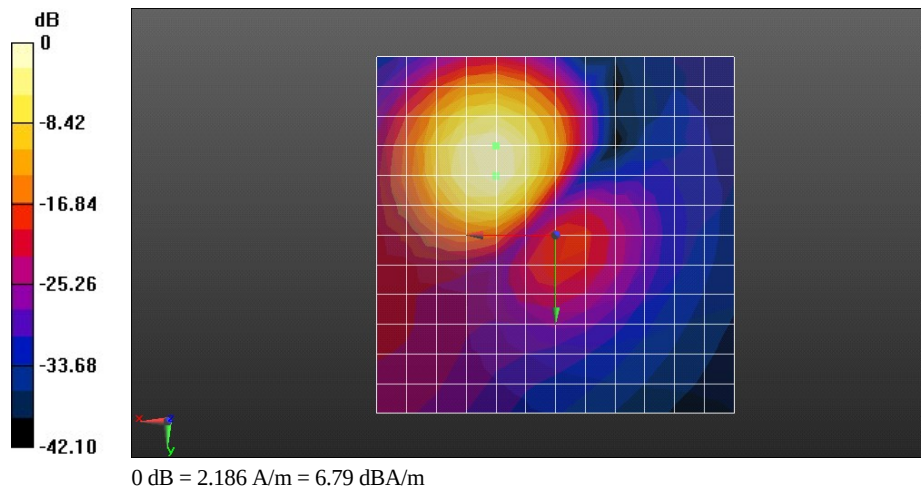
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 1.64 dB

BWC Factor = 10.82 dB

Location: 8.3, -12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-GSM1900-661CH

DUT: Y536A1; 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/m³

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.24 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -1.65 dBA/m

BWC Factor = 0.24 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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.24 dB

Device Reference Point: 0, 0, -6.3 mm

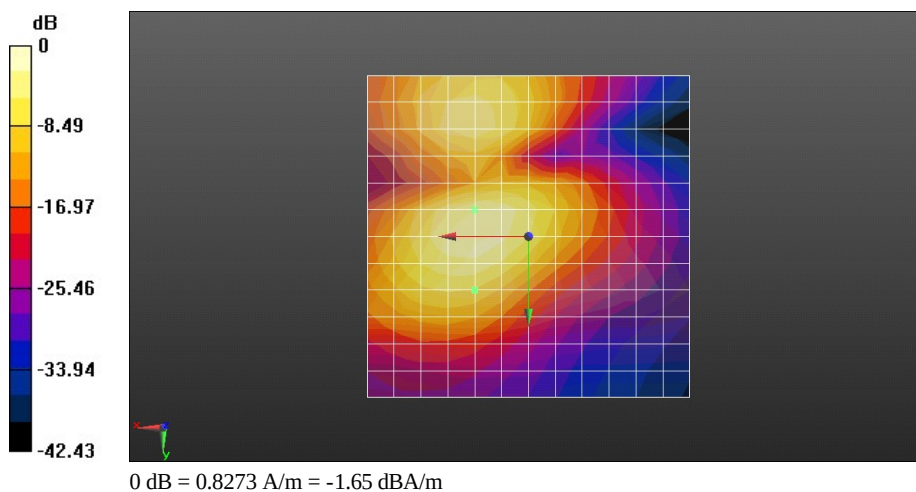
Cursor:

ABM1/ABM2 = 29.35 dB

ABM1 comp = -10.34 dBA/m

BWC Factor = 0.24 dB

Location: 8.3, 8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-GSM1900-661CH

DUT: Y536A1; 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/m³

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.24 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.93 dBA/m

BWC Factor = 0.24 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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.24 dB

Device Reference Point: 0, 0, -6.3 mm

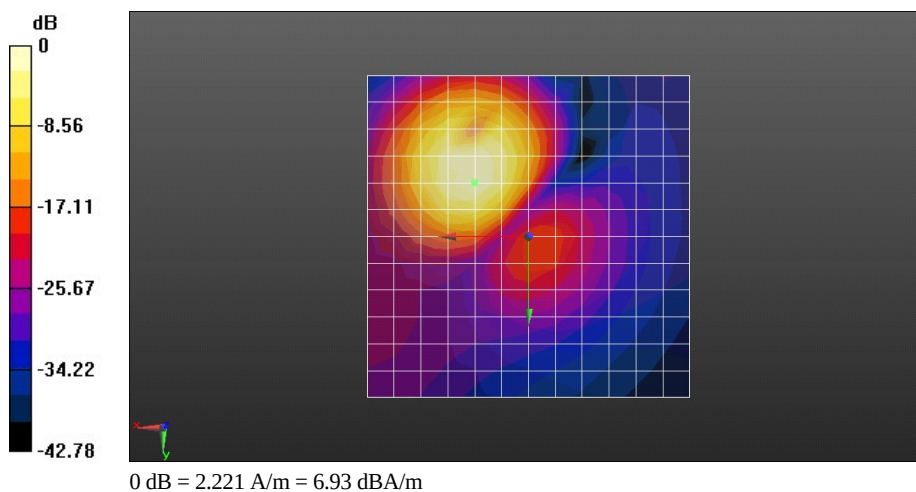
Cursor:

ABM1/ABM2 = 26.66 dB

ABM1 comp = 6.93 dBA/m

BWC Factor = 0.24 dB

Location: 8.3, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-GSM1900-661CH

DUT: Y536A1; Type: Smart Phone; Serial: SAR1

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

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.91 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.38 dBA/m

BWC Factor = 10.91 dB

Location: 8.3, -8.3, 3.7 mm

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

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.91 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 26.37 dB

ABM1 comp = 6.38 dBA/m

BWC Factor = 10.91 dB

Location: 8.3, -8.3, 3.7 mm

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

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.91 dB

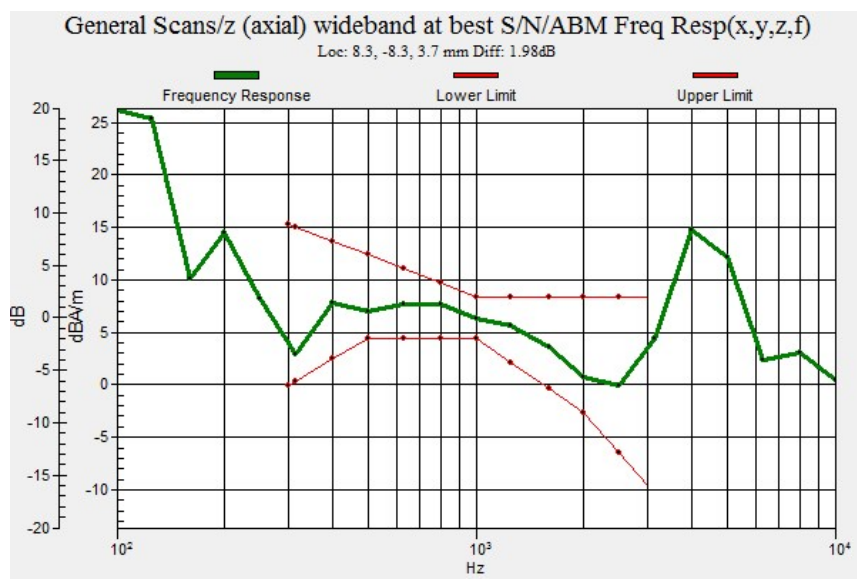
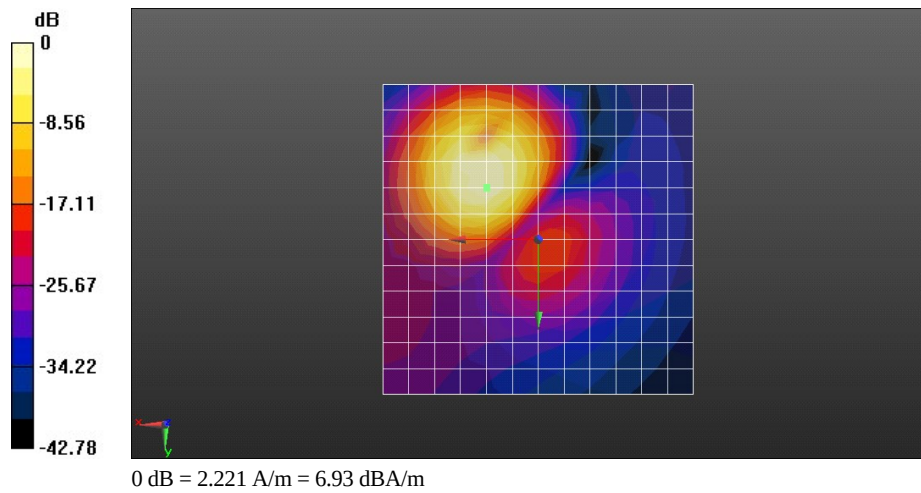
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 1.98 dB

BWC Factor = 10.91 dB

Location: 8.3, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-UMTS Band V-4182CH

DUT: Y536A1; 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/m³

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.82 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -2.25 dBA/m

BWC Factor = 0.82 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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.82 dB

Device Reference Point: 0, 0, -6.3 mm

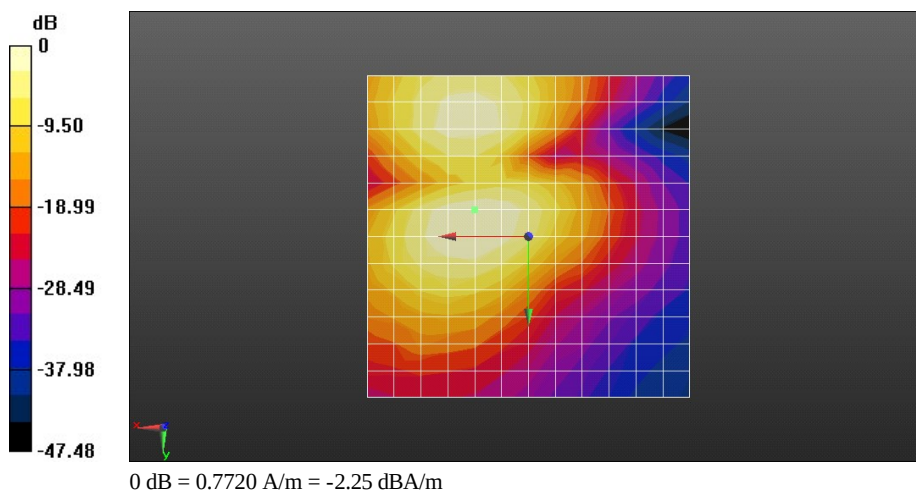
Cursor:

ABM1/ABM2 = 35.92 dB

ABM1 comp = -2.25 dBA/m

BWC Factor = 0.82 dB

Location: 8.3, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-UMTS Band V-4182CH

DUT: Y536A1; 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/m³

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.82 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.99 dBA/m

BWC Factor = 0.82 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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.82 dB

Device Reference Point: 0, 0, -6.3 mm

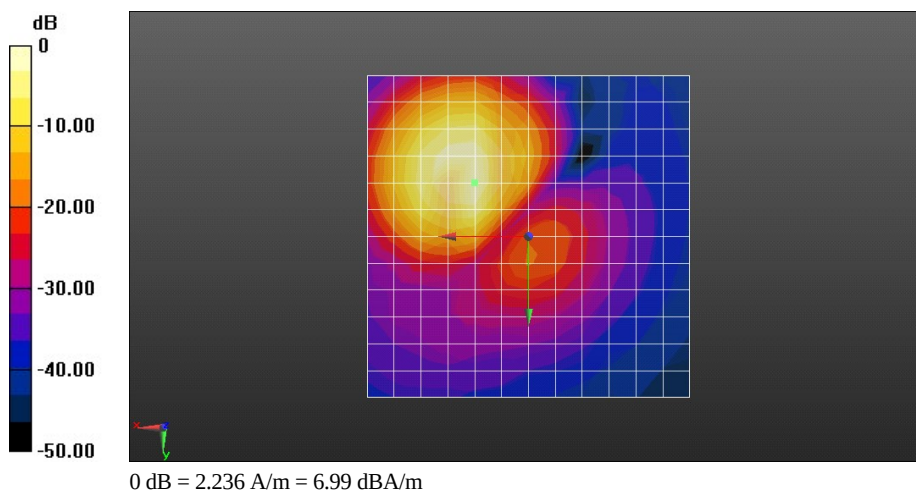
Cursor:

ABM1/ABM2 = 41.15 dB

ABM1 comp = 6.99 dBA/m

BWC Factor = 0.82 dB

Location: 8.3, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-UMTS Band V-4182CH

DUT: Y536A1; 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/m³

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.68 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 4.09 dBA/m

BWC Factor = 11.68 dB

Location: 8.3, -8.3, 3.7 mm

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

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.68 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 37.38 dB

ABM1 comp = 4.09 dBA/m

BWC Factor = 11.68 dB

Location: 8.3, -8.3, 3.7 mm

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

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.68 dB

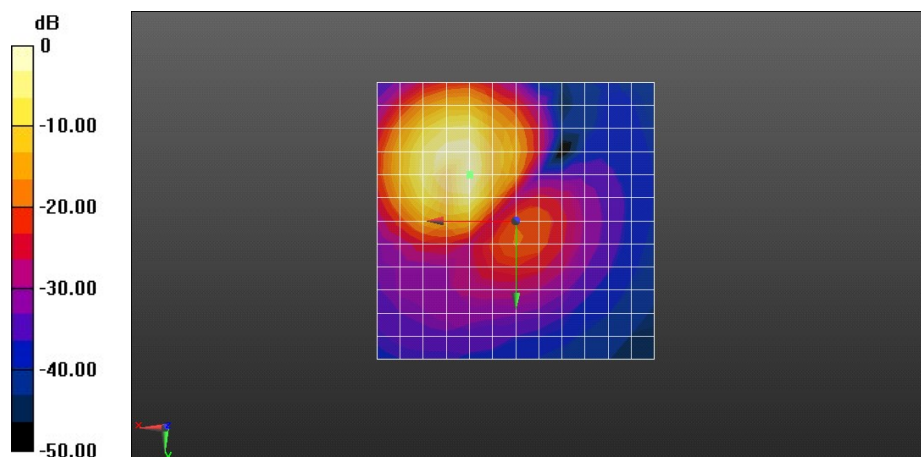
Device Reference Point: 0, 0, -6.3 mm

Cursor:

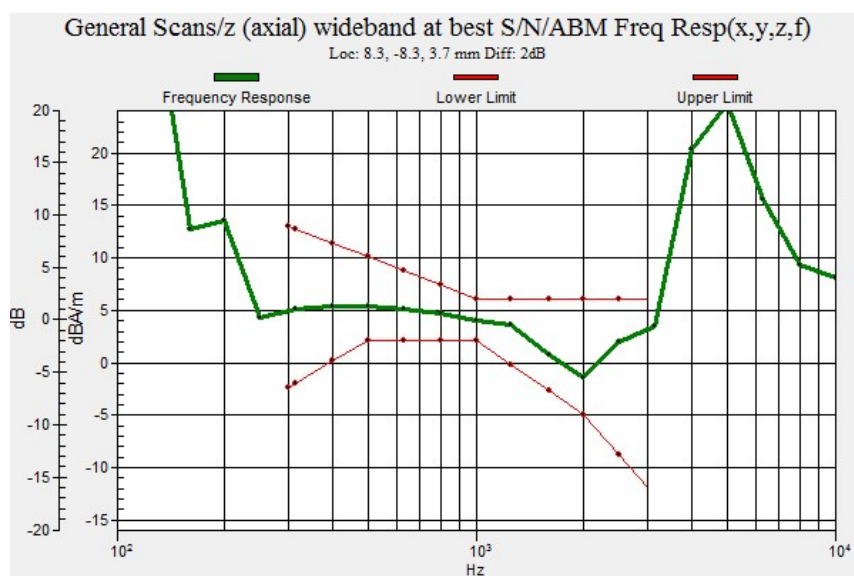
Diff = 2.00 dB

BWC Factor = 11.68 dB

Location: 8.3, -8.3, 3.7 mm



0 dB = 2.236 A/m = 6.99 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-UMTS Band II-9400CH

DUT: Y536A1; 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/m³

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.36 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -1.03 dBA/m

BWC Factor = 0.36 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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.36 dB

Device Reference Point: 0, 0, -6.3 mm

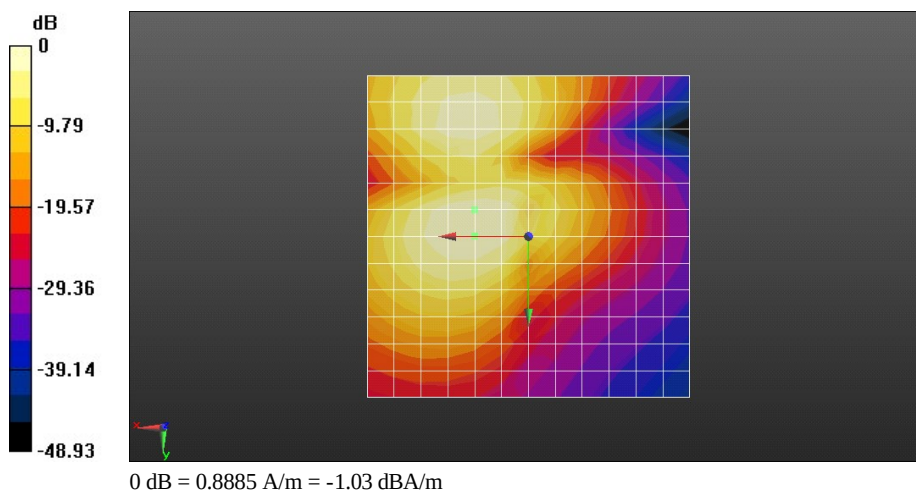
Cursor:

ABM1/ABM2 = 39.18 dB

ABM1 comp = -1.17 dBA/m

BWC Factor = 0.36 dB

Location: 8.3, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-UMTS Band II-9400CH

DUT: Y536A1; 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/m³

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.36 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 7.55 dBA/m

BWC Factor = 0.36 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: 37.97

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.36 dB

Device Reference Point: 0, 0, -6.3 mm

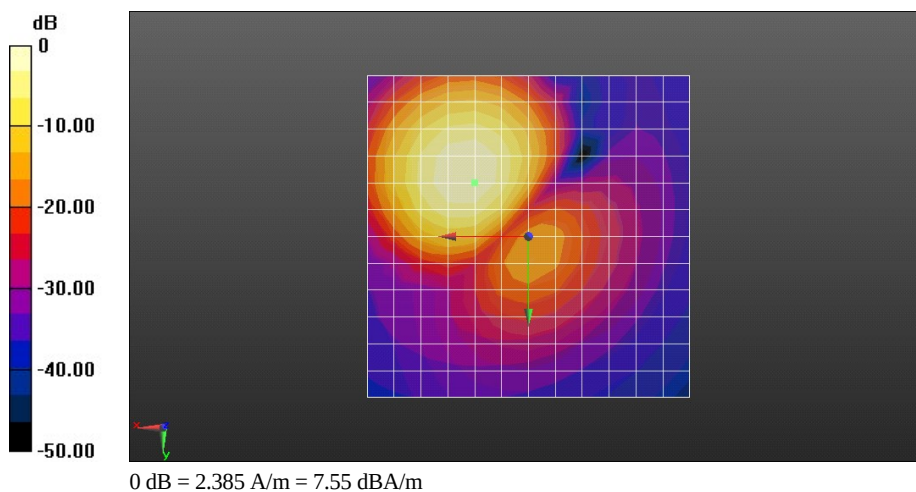
Cursor:

ABM1/ABM2 = 39.62 dB

ABM1 comp = 7.55 dBA/m

BWC Factor = 0.36 dB

Location: 8.3, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-Y536A1-UMTS Band II-9400CH

DUT: Y536A1; 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/m³

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2013-12-10
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn1236; Calibrated: 2013-11-25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.7(1137); SEMCAD X 14.6.10(7164)

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: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.00 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 5.54 dBA/m

BWC Factor = 11.00 dB

Location: 8.3, -8.3, 3.7 mm

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

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.00 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 37.64 dB

ABM1 comp = 5.54 dBA/m

BWC Factor = 11.00 dB

Location: 8.3, -8.3, 3.7 mm

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

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

Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav

Output Gain: 74.37

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.00 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 2.00 dB

BWC Factor = 11.00 dB

Location: 8.3, -8.3, 3.7 mm

