



Appendix A. T-Coil Measurement Plots

Table of contents
T-Coil Measurement plots of GSM850
T-Coil Measurement plots of GSM1900
T-Coil Measurement plots of UMTS Band II
T-Coil Measurement plots of UMTS Band IV
T-Coil Measurement plots of UMTS Band V

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-GSM850-190CH

DUT: BLN-L24; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -1.99 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

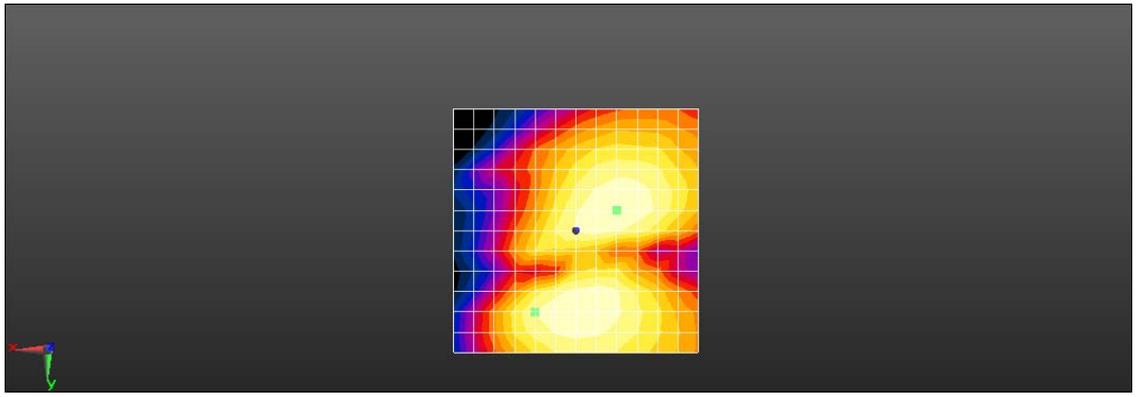
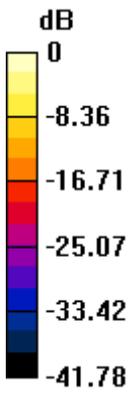
Cursor:

ABM1/ABM2 = 24.93 dB

ABM1 comp = -11.57 dBA/m

BWC Factor = 0.15 dB

Location: -8.3, -4.2, 3.7 mm



0 dB = 0.7954 A/m = -1.99 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-GSM850-190CH

DUT: BLN-L24; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 7.42 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

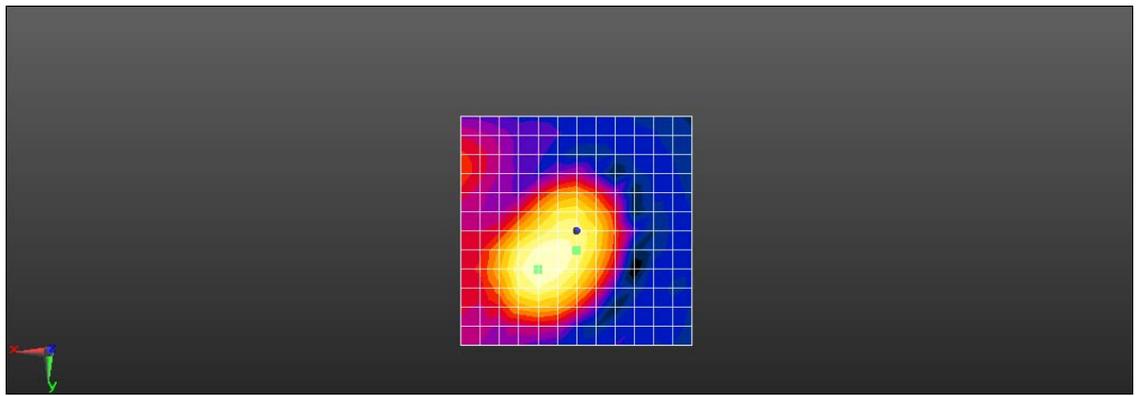
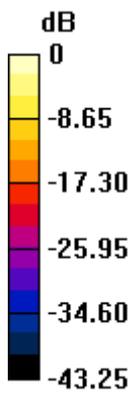
Cursor:

ABM1/ABM2 = 22.97 dB

ABM1 comp = 4.40 dBA/m

BWC Factor = 0.15 dB

Location: 0, 4.2, 3.7 mm



0 dB = 2.350 A/m = 7.42 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-GSM850-190CH

DUT: BLN-L24; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- 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: 77.52
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.79 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 2.32 dBA/m
BWC Factor = 10.79 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: 77.52
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.79 dB
Device Reference Point: 0, 0, -6.3 mm

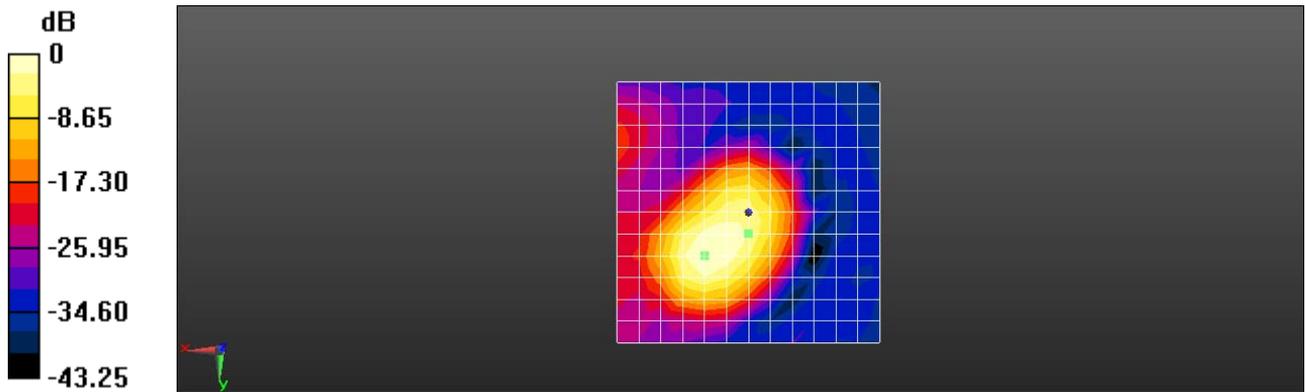
Cursor:

ABM1/ABM2 = 20.87 dB
ABM1 comp = 2.32 dBA/m
BWC Factor = 10.79 dB
Location: 0, 4.2, 3.7 mm

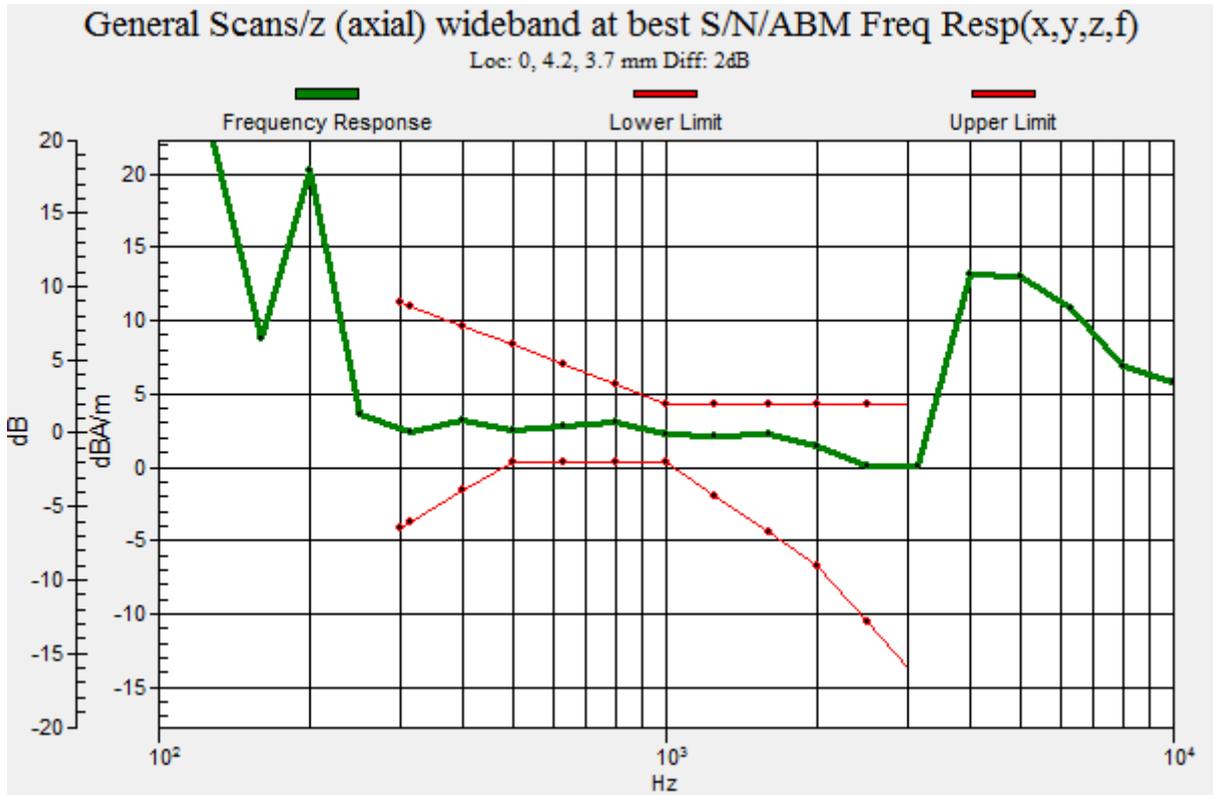
T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans/z (axial)

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: 77.52
 Measure Window Start: 300ms
 Measure Window Length: 2000ms
 BWC applied: 10.79 dB
 Device Reference Point: 0, 0, -6.3 mm

Cursor:
 Diff = 2.00 dB
 BWC Factor = 10.79 dB
 Location: 0, 4.2, 3.7 mm



0 dB = 2.350 A/m = 7.42 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-GSM1900-661CH

DUT: BLN-L24; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -2.31 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

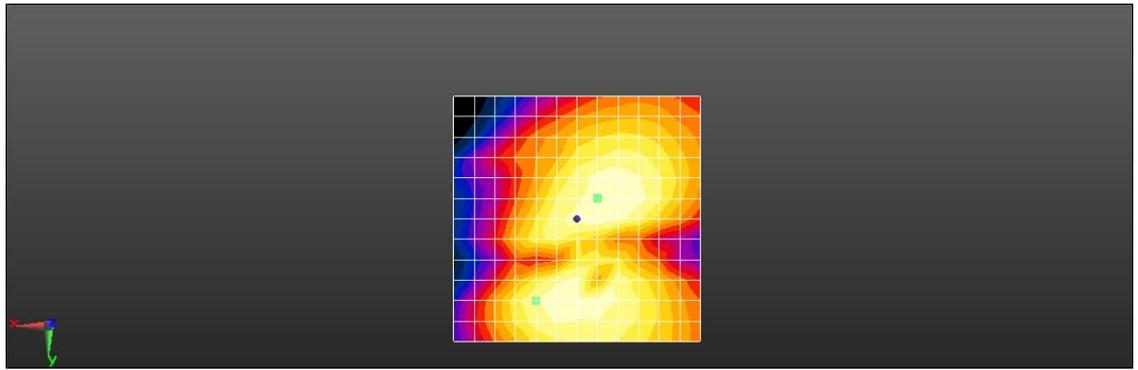
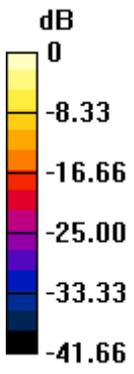
Cursor:

ABM1/ABM2 = 28.62 dB

ABM1 comp = -7.98 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -4.2, 3.7 mm



0 dB = 0.7665 A/m = -2.31 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-GSM1900-661CH

DUT: BLN-L24; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 7.29 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

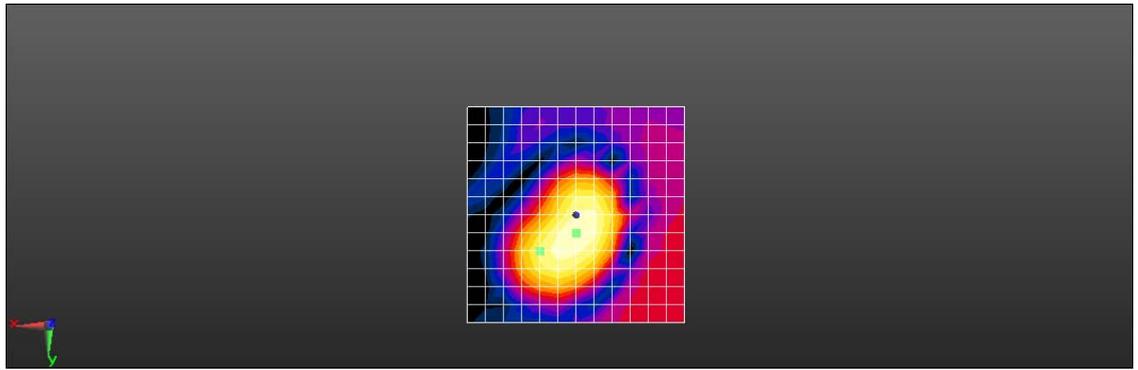
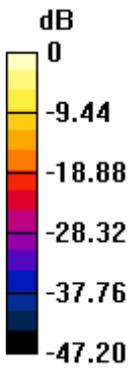
Cursor:

ABM1/ABM2 = 27.23 dB

ABM1 comp = 4.18 dBA/m

BWC Factor = 0.15 dB

Location: 0, 4.2, 3.7 mm



0 dB = 2.314 A/m = 7.29 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-GSM1900-661CH

DUT: BLN-L24; 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: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ⊃ Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ⊃ Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- ⊃ 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: 77.52

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 2.21 dBA/m

BWC Factor = 10.79 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: 77.52

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 25.29 dB

ABM1 comp = 2.21 dBA/m

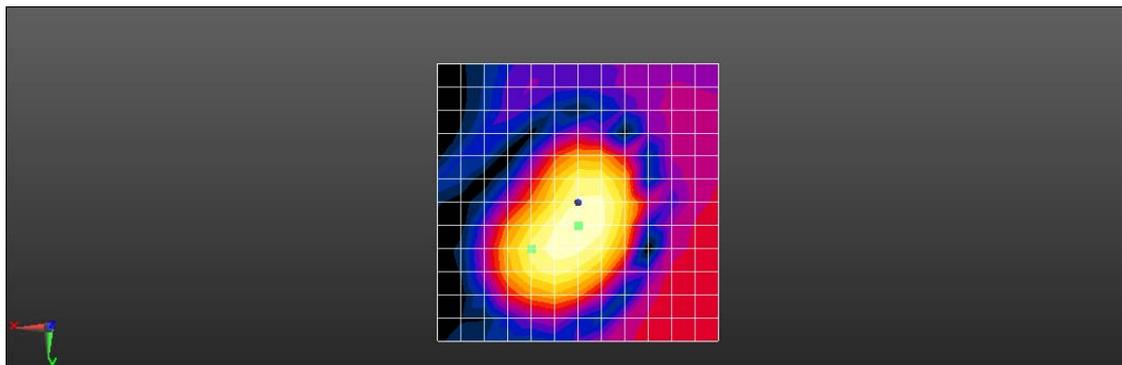
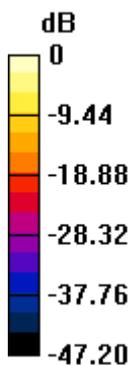
BWC Factor = 10.79 dB

Location: 0, 4.2, 3.7 mm

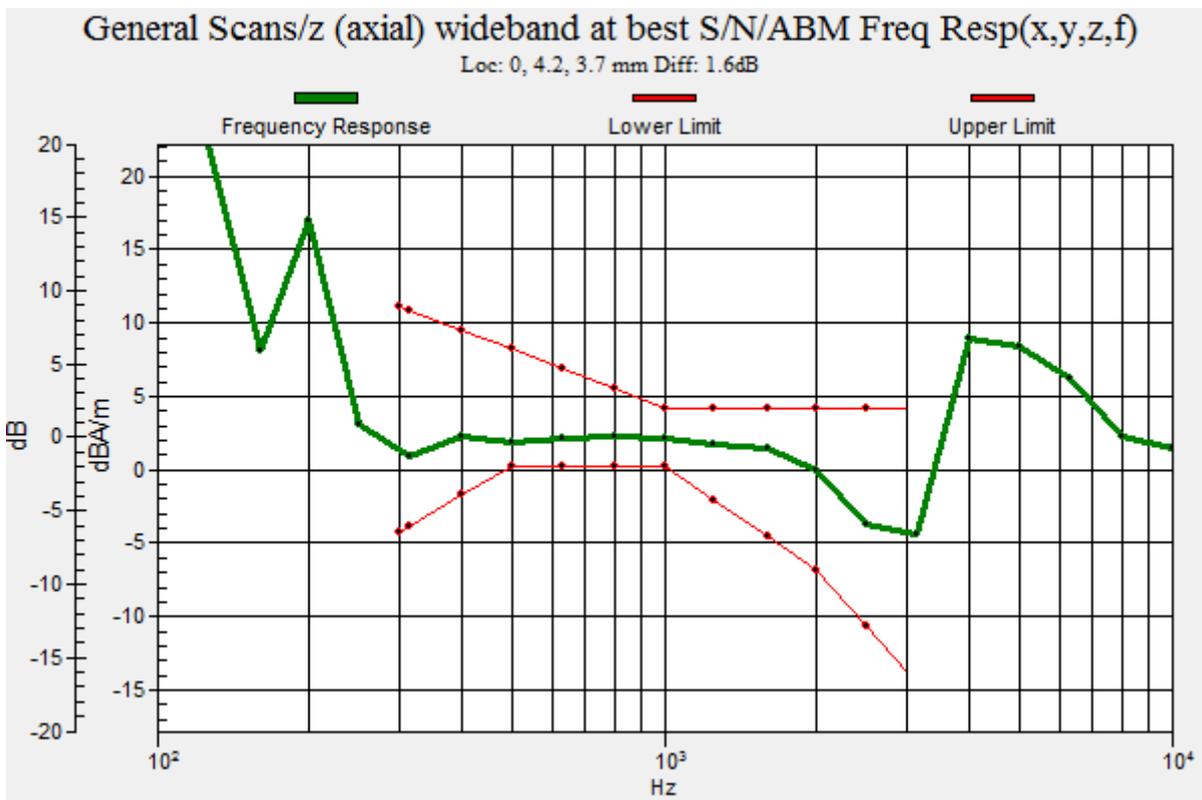
T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm,

dy=10mm
 Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
 Output Gain: 77.52
 Measure Window Start: 300ms
 Measure Window Length: 2000ms
 BWC applied: 10.79 dB
 Device Reference Point: 0, 0, -6.3 mm

Cursor:
 Diff = 1.60 dB
 BWC Factor = 10.79 dB
 Location: 0, 4.2, 3.7 mm



0 dB = 2.314 A/m = 7.29 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-UMTS Bnad II-9400CH

DUT: BLN-L24; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -0.70 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

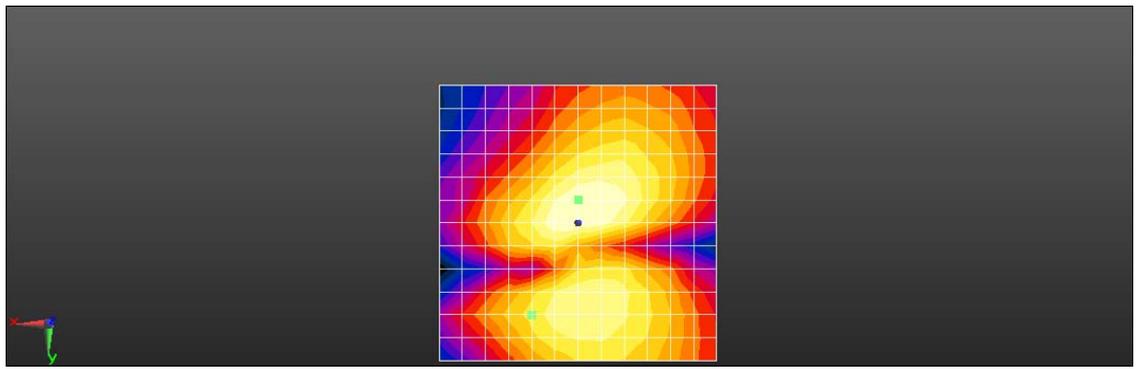
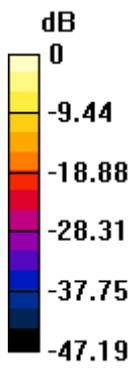
Cursor:

ABM1/ABM2 = 40.95 dB

ABM1 comp = -2.47 dBA/m

BWC Factor = 0.13 dB

Location: 0, -4.2, 3.7 mm



0 dB = 0.9228 A/m = -0.70 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-UMTS Bnad II-9400CH

DUT: BLN-L24; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.04 dBA/m

BWC Factor = 0.13 dB

Location: 4.2, 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

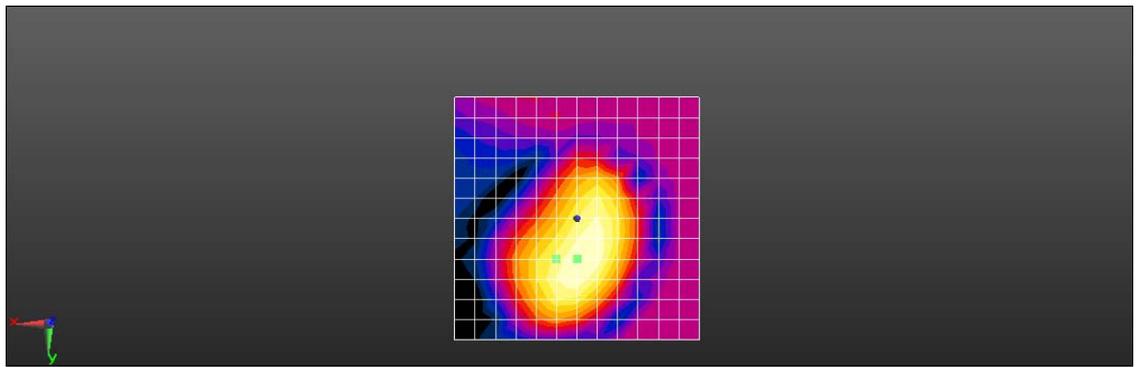
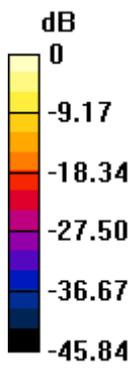
Cursor:

ABM1/ABM2 = 49.16 dB

ABM1 comp = 3.49 dBA/m

BWC Factor = 0.13 dB

Location: 0, 8.3, 3.7 mm



0 dB = 2.005 A/m = 6.04 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-UMTS Bnad II-9400CH

DUT: BLN-L24; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- 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: 77.52
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.76 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -0.62 dBA/m
BWC Factor = 10.76 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: 77.52
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.76 dB
Device Reference Point: 0, 0, -6.3 mm

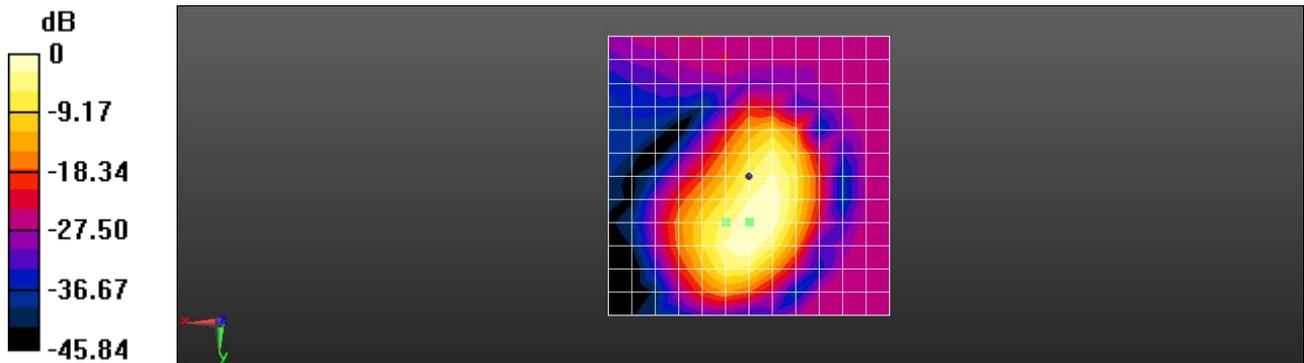
Cursor:

ABM1/ABM2 = 44.58 dB
ABM1 comp = -0.62 dBA/m
BWC Factor = 10.76 dB
Location: 0, 8.3, 3.7 mm

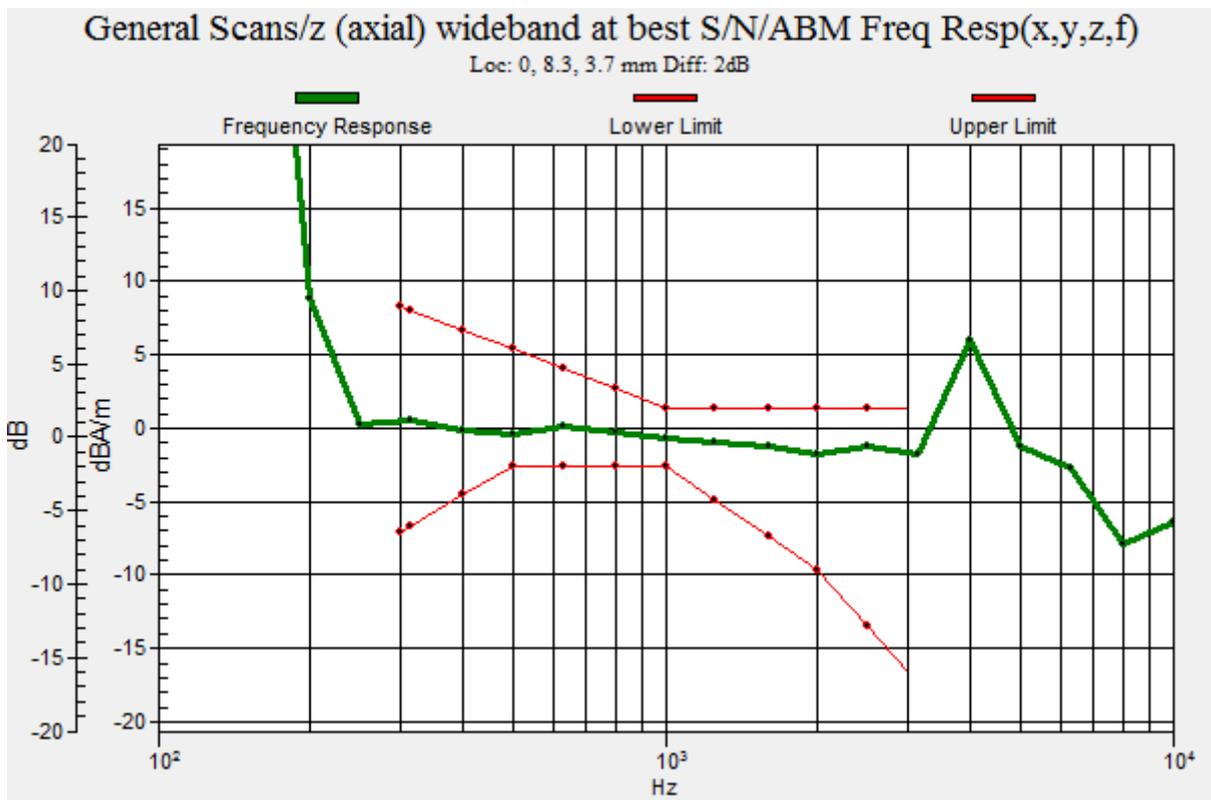
T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans/z (axial)

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: 77.52
 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: 0, 8.3, 3.7 mm



0 dB = 2.005 A/m = 6.04 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-UMTS Band IV-1413CH

DUT: BLN-L24; 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/m³

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 Sn852; Calibrated: 2016-4-20
- 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -1.50 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

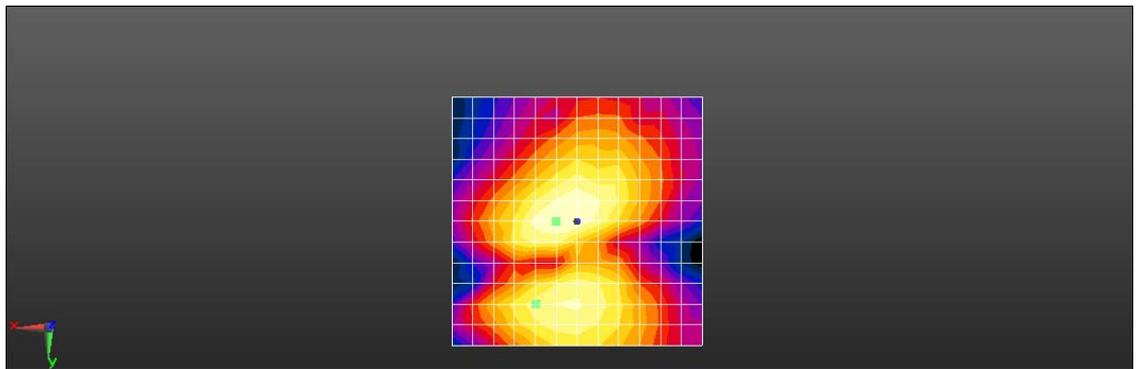
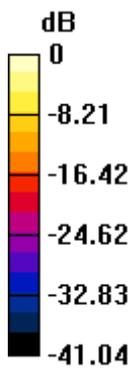
Cursor:

ABM1/ABM2 = 38.42 dB

ABM1 comp = -3.57 dBA/m

BWC Factor = 0.15 dB

Location: 4.2, 0, 3.7 mm



0 dB = 0.8418 A/m = -1.50 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-UMTS Band IV-1413CH

DUT: BLN-L24; 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/m³

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 Sn852; Calibrated: 2016-4-20
- 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.89 dBA/m

BWC Factor = 0.15 dB

Location: 4.2, 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

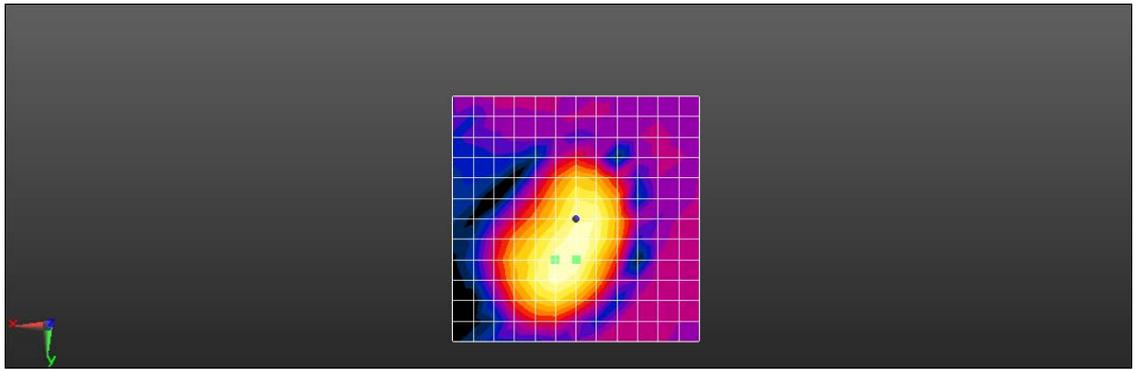
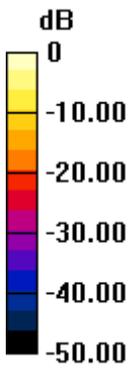
Cursor:

ABM1/ABM2 = 48.85 dB

ABM1 comp = 2.77 dBA/m

BWC Factor = 0.15 dB

Location: 0, 8.3, 3.7 mm



0 dB = 2.210 A/m = 6.89 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-UMTS Band IV-1413CH

DUT: BLN-L24; 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/m³

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 Sn852; Calibrated: 2016-4-20
- 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: 77.52

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -1.80 dBA/m

BWC Factor = 10.78 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: 77.52

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.75 dB

ABM1 comp = -1.80 dBA/m

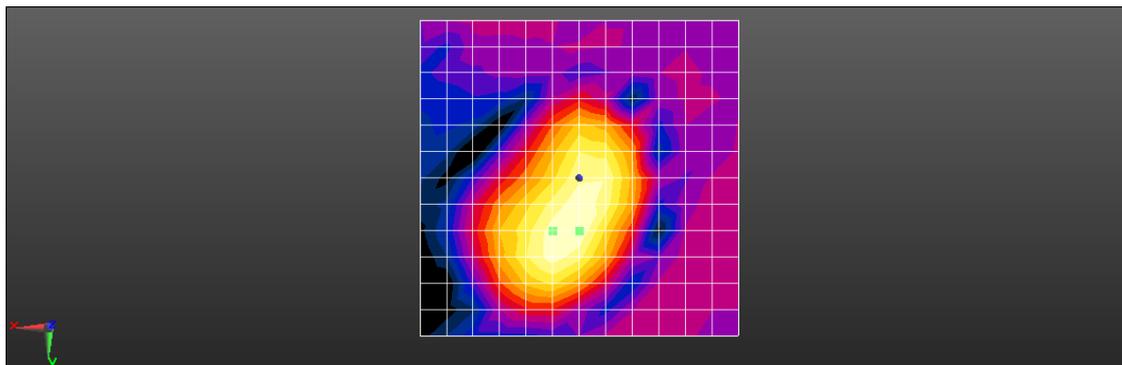
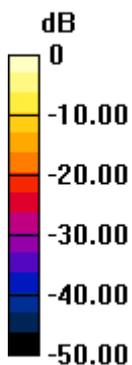
BWC Factor = 10.78 dB

Location: 0, 8.3, 3.7 mm

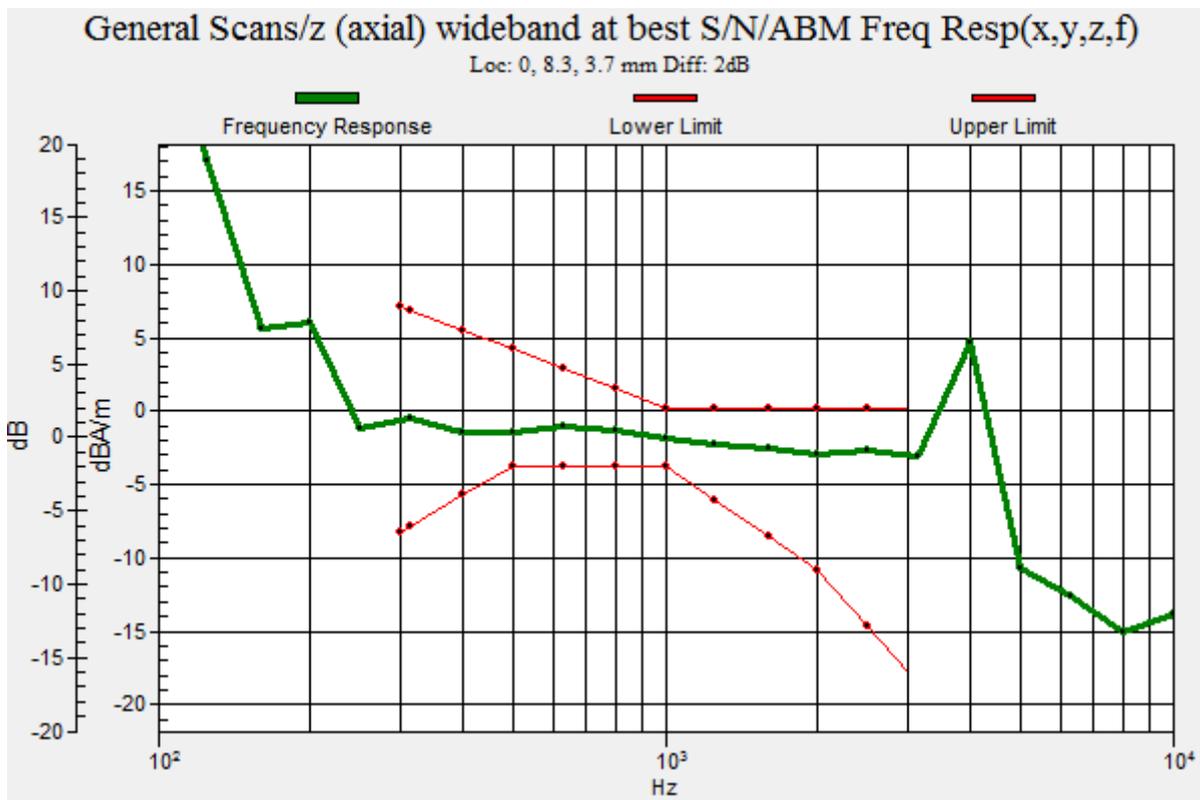
T-Coil scan (scan for ANSI C63.19-2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1): Measurement grid: dx=10mm,

dy=10mm
 Signal Type: Audio File (.wav) 48k_voice_300-3000_2s.wav
 Output Gain: 77.52
 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, 8.3, 3.7 mm



0 dB = 2.210 A/m = 6.89 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-UMTS Bnad V-4182CH

DUT: BLN-L24; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -1.02 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

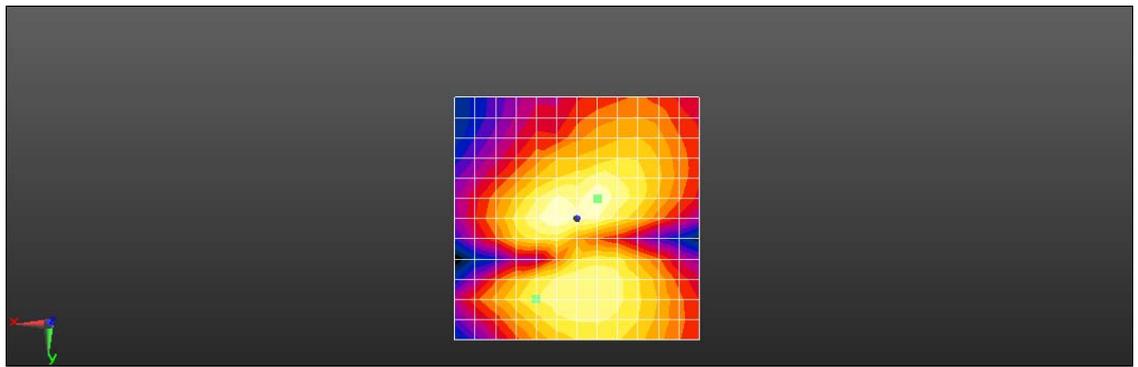
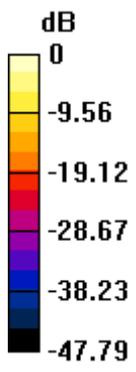
Cursor:

ABM1/ABM2 = 40.33 dB

ABM1 comp = -5.45 dBA/m

BWC Factor = 0.13 dB

Location: -4.2, -4.2, 3.7 mm



0 dB = 0.8891 A/m = -1.02 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-UMTS Bnad V-4182CH

DUT: BLN-L24; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 5.72 dBA/m

BWC Factor = 0.13 dB

Location: 4.2, 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: 39.58

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

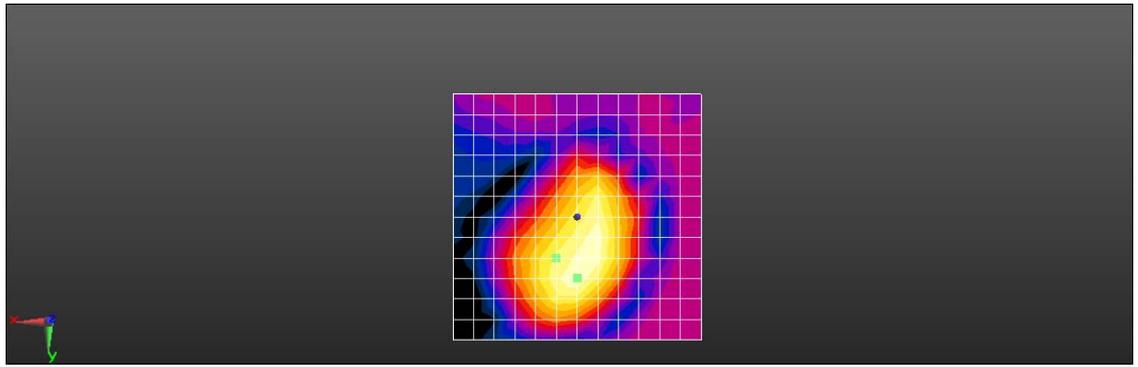
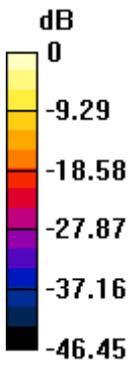
Cursor:

ABM1/ABM2 = 49.36 dB

ABM1 comp = -0.38 dBA/m

BWC Factor = 0.13 dB

Location: 0, 12.5, 3.7 mm



0 dB = 1.932 A/m = 5.72 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-BLN-L24-UMTS Bnad V-4182CH

DUT: BLN-L24; 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:

- ε Probe: AM1DV3 - 3126; ; Calibrated: 2016-7-22
- ε Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ε Electronics: DAE4 Sn852; Calibrated: 2016-4-20
- 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: 77.52
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.77 dB
Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -4.13 dBA/m
BWC Factor = 10.77 dB
Location: 0, 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: 77.52
Measure Window Start: 300ms
Measure Window Length: 2000ms
BWC applied: 10.77 dB
Device Reference Point: 0, 0, -6.3 mm

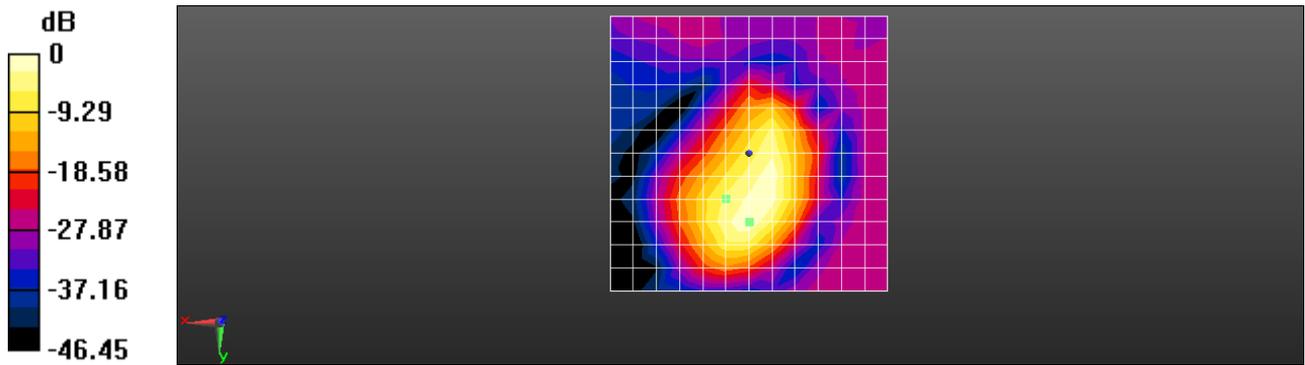
Cursor:

ABM1/ABM2 = 45.53 dB
ABM1 comp = -4.13 dBA/m
BWC Factor = 10.77 dB
Location: 0, 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: 77.52
 Measure Window Start: 300ms
 Measure Window Length: 2000ms
 BWC applied: 10.77 dB
 Device Reference Point: 0, 0, -6.3 mm

Cursor:
 Diff = 2.00 dB
 BWC Factor = 10.77 dB
 Location: 0, 12.5, 3.7 mm



0 dB = 1.932 A/m = 5.72 dBA/m

