

Appendix A. SAR Measurement Plots

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Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 1-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 0.84 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/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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

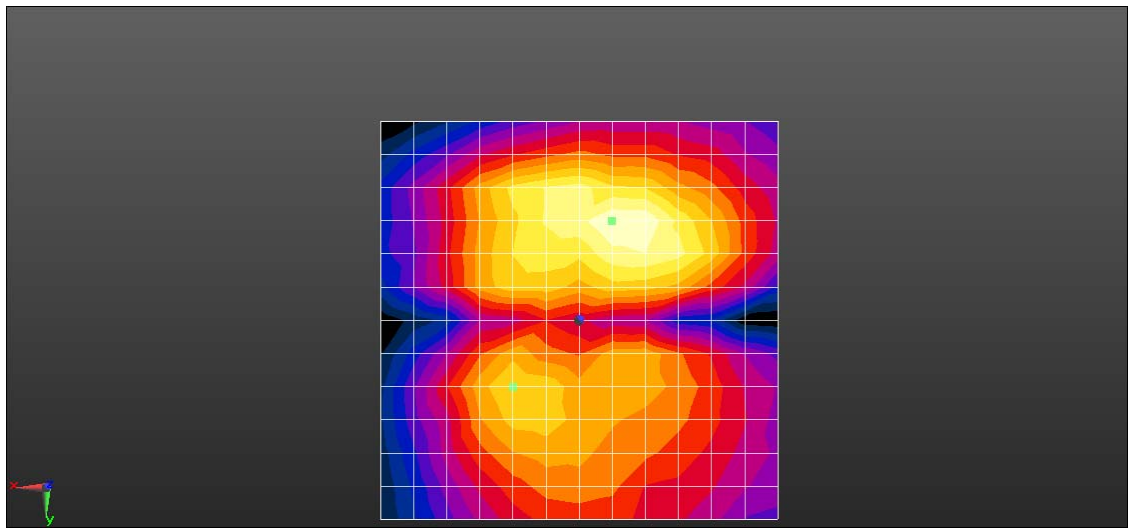
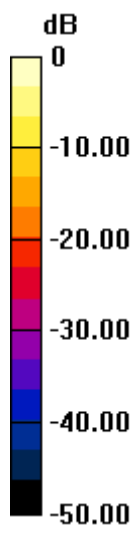
Cursor:

ABM1/ABM2 = 28.84 dB

ABM1 comp = -13.01 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -12.5, 3.7 mm



0 dB = 1.101 A/m = 0.84 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 1-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.74 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

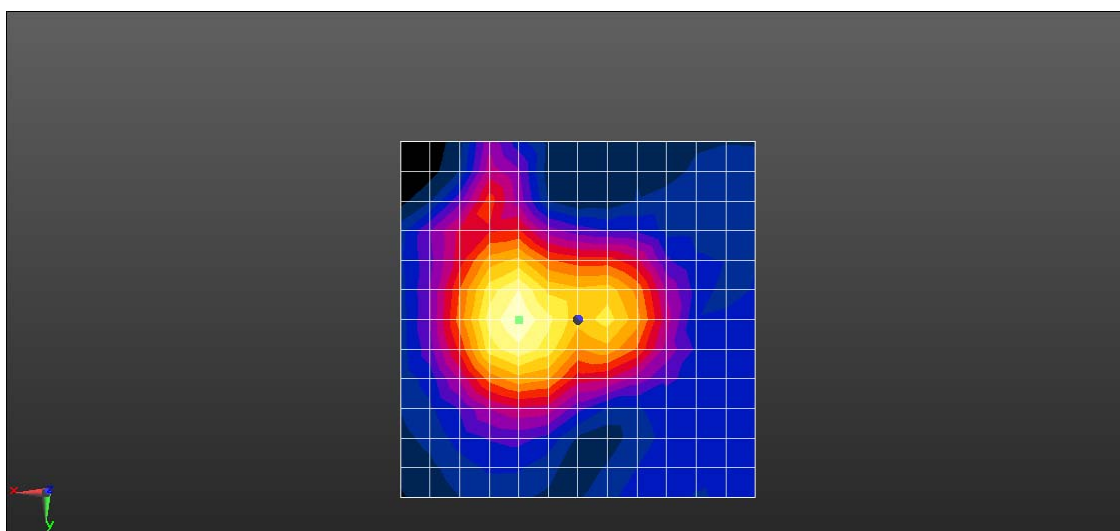
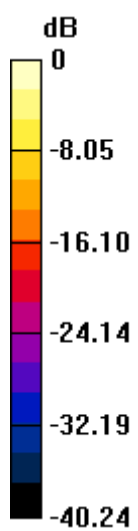
Cursor:

ABM1/ABM2 = 24.90 dB

ABM1 comp = 9.74 dBA/m

BWC Factor = 0.15 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.068 A/m = 9.74 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 1-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 7.87 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 23.12 dB

ABM1 comp = 7.87 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

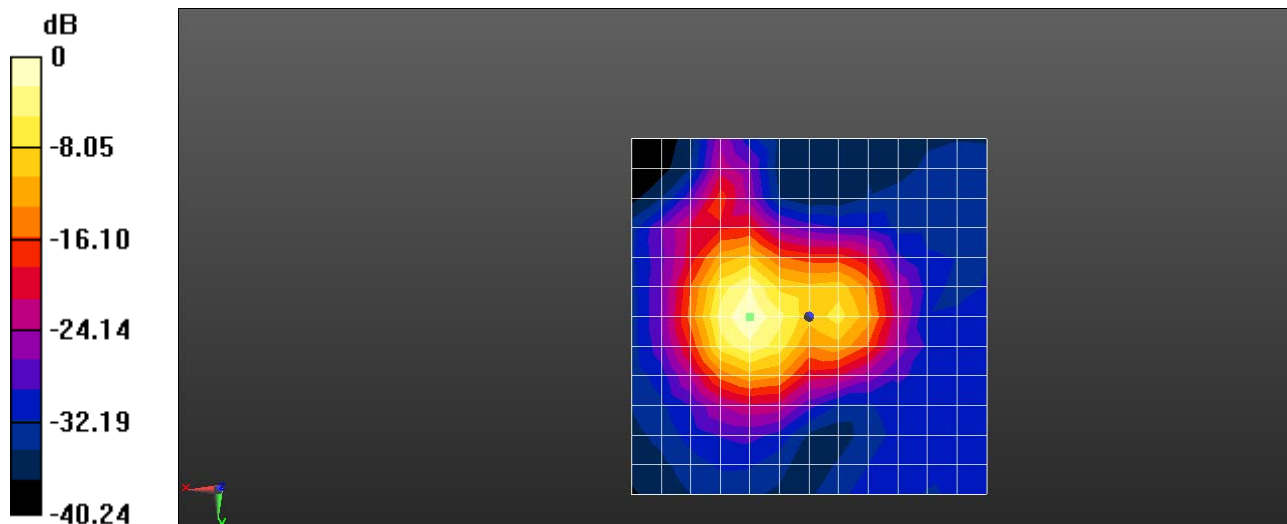
Device Reference Point: 0, 0, -6.3 mm

Cursor:

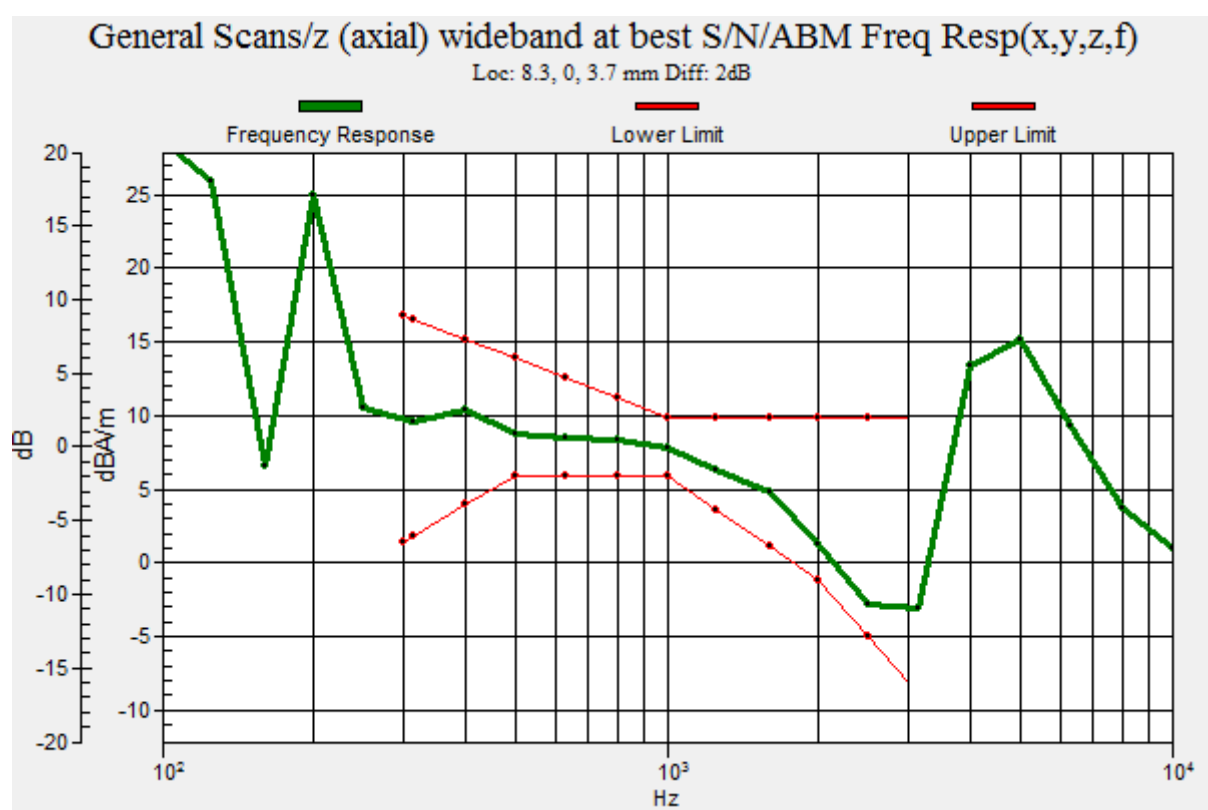
Diff = 2.00 dB

BWC Factor = 10.78 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.068 A/m = 9.74 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 2-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 0.46 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/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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

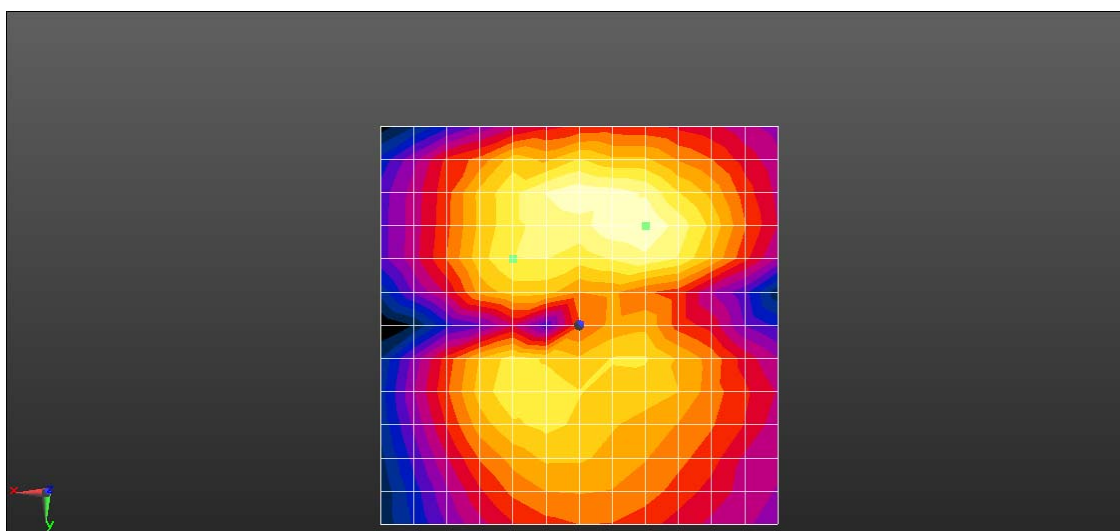
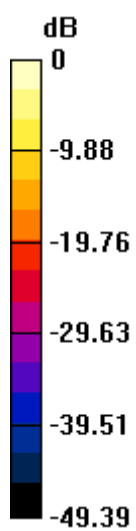
Cursor:

ABM1/ABM2 = 29.26 dB

ABM1 comp = -14.50 dBA/m

BWC Factor = 0.15 dB

Location: -8.3, -12.5, 3.7 mm



0 dB = 1.055 A/m = 0.47 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 2-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.34 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

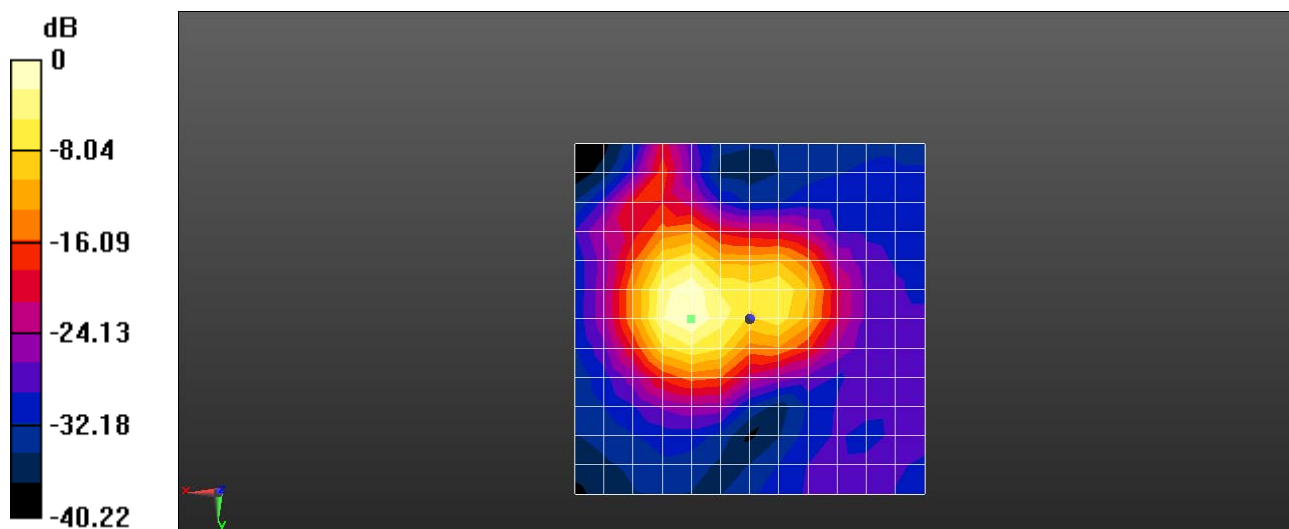
Cursor:

ABM1/ABM2 = 25.89 dB

ABM1 comp = 9.34 dBA/m

BWC Factor = 0.15 dB

Location: 8.3, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 2-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 7.07 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 23.72 dB

ABM1 comp = 7.07 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

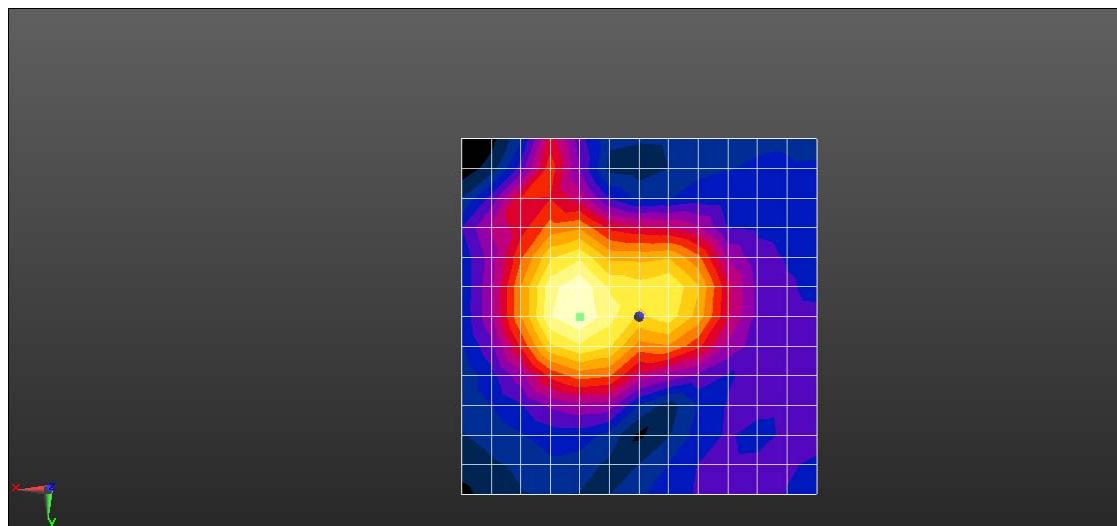
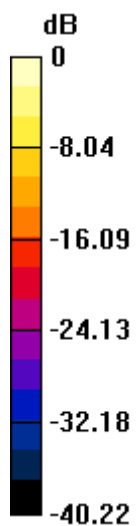
Device Reference Point: 0, 0, -6.3 mm

Cursor:

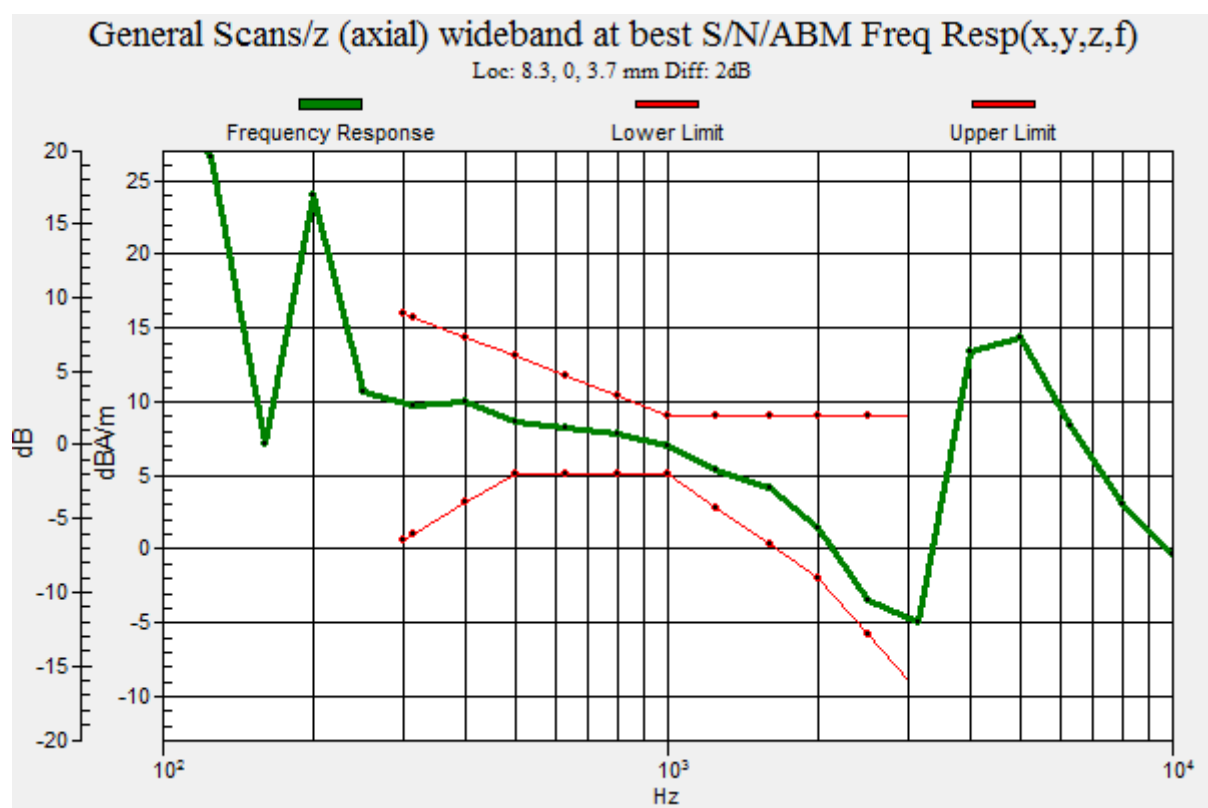
Diff = 2.00 dB

BWC Factor = 10.78 dB

Location: 8.3, 0, 3.7 mm



0 dB = 2.931 A/m = 9.34 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 3-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 4.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 4.38 dBA/m

BWC Factor = 4.17 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 4.17 dB

Device Reference Point: 0, 0, -6.3 mm

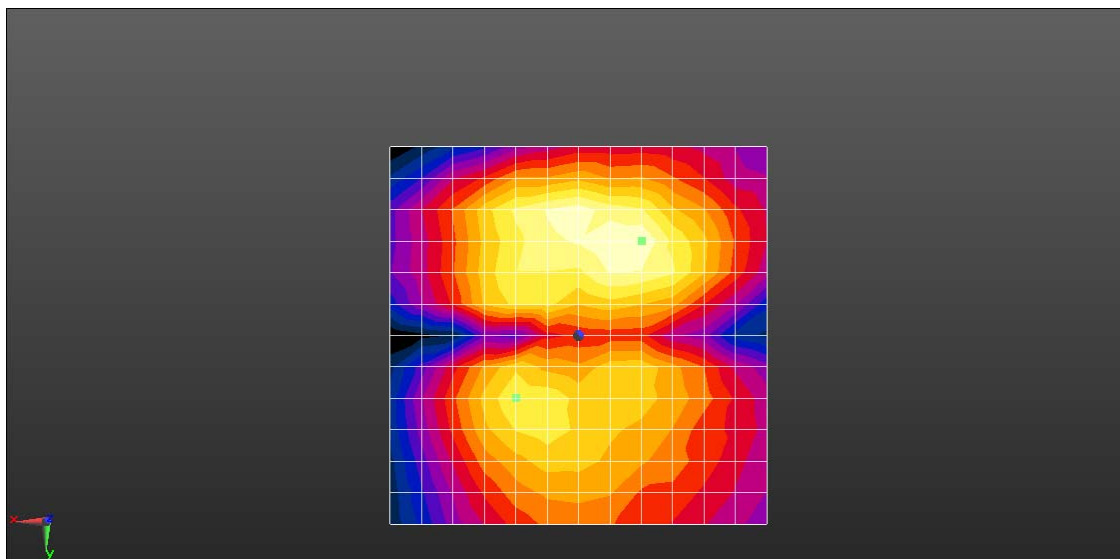
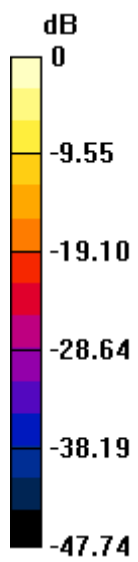
Cursor:

ABM1/ABM2 = 33.36 dB

ABM1 comp = -11.21 dBA/m

BWC Factor = 4.17 dB

Location: -8.3, -12.5, 3.7 mm



0 dB = 1.655 A/m = 4.38 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 3-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
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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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 4.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.13 dBA/m

BWC Factor = 4.17 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 4.17 dB

Device Reference Point: 0, 0, -6.3 mm

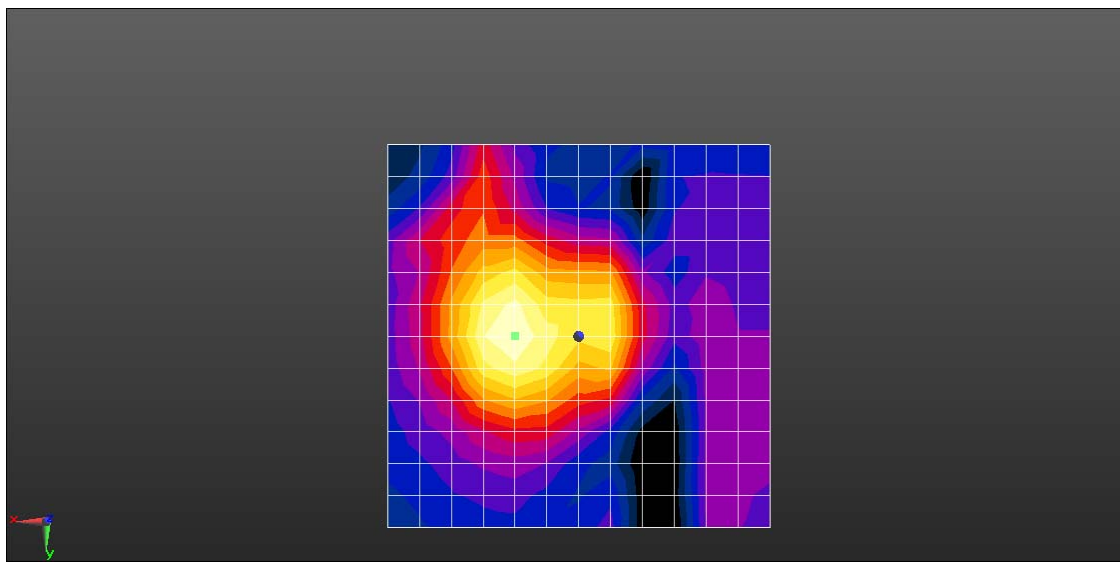
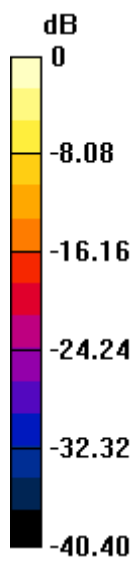
Cursor:

ABM1/ABM2 = 30.29 dB

ABM1 comp = 13.13 dBA/m

BWC Factor = 4.17 dB

Location: 8.3, 0, 3.7 mm



0 dB = 4.533 A/m = 13.13 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 3-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 13.73 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.17 dBA/m

BWC Factor = 13.73 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 13.73 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 27.36 dB

ABM1 comp = 10.17 dBA/m

BWC Factor = 13.73 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 13.73 dB

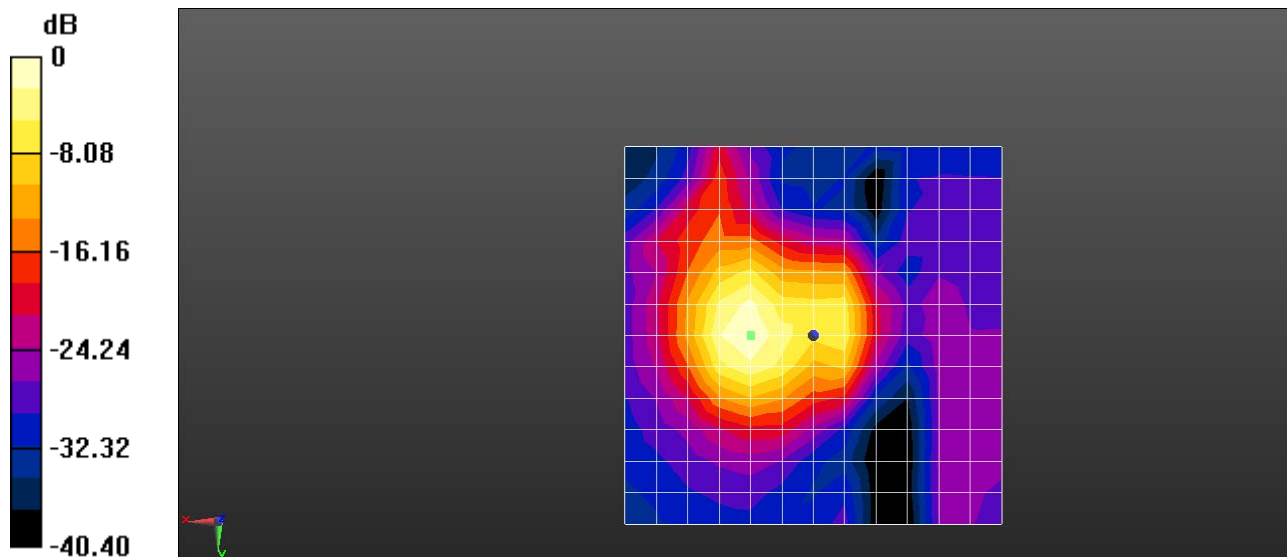
Device Reference Point: 0, 0, -6.3 mm

Cursor:

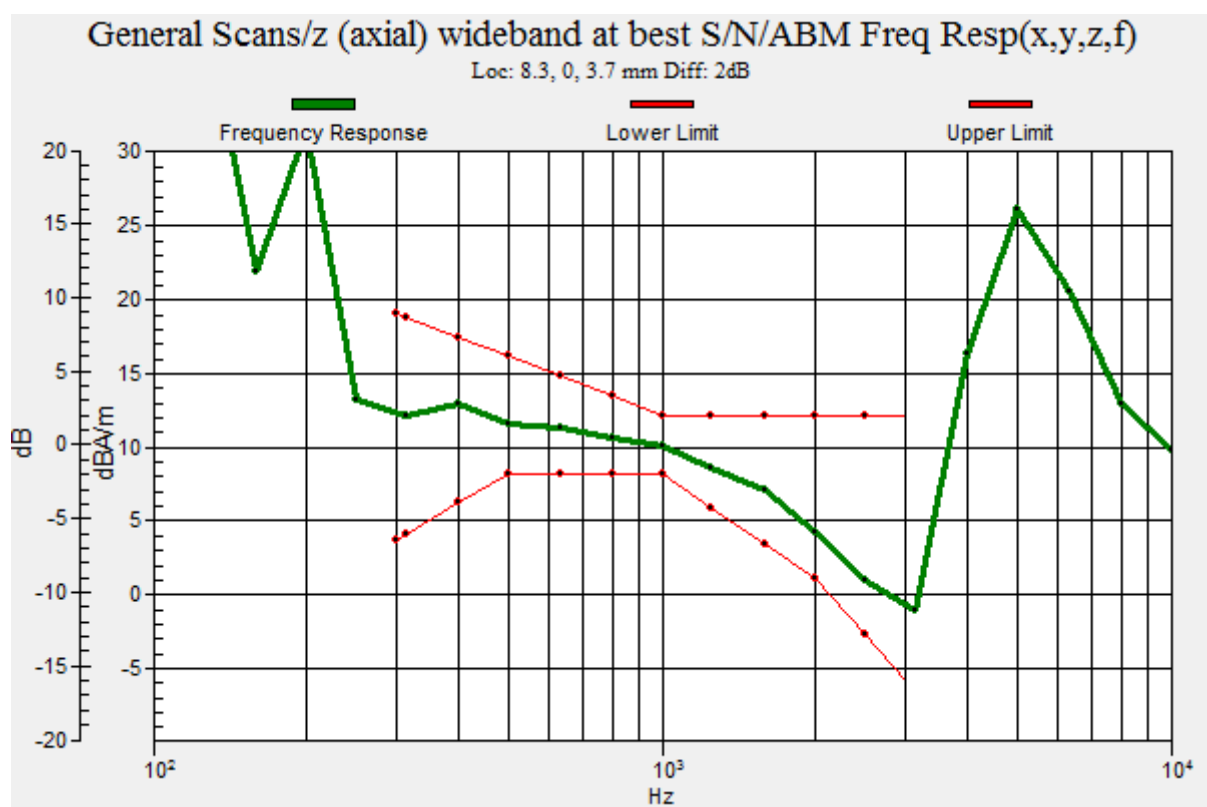
Diff = 2.00 dB

BWC Factor = 13.73 dB

Location: 8.3, 0, 3.7 mm



0 dB = 4.533 A/m = 13.13 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 1-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 0.89 dBA/m

BWC Factor = 0.13 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

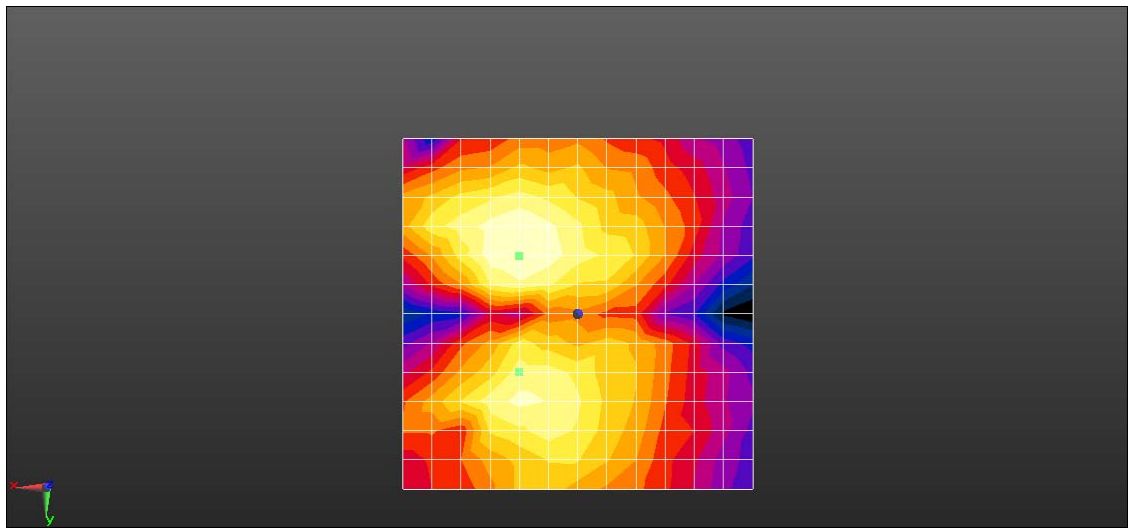
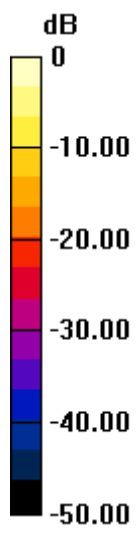
Cursor:

ABM1/ABM2 = 41.16 dB

ABM1 comp = 0.18 dBA/m

BWC Factor = 0.13 dB

Location: 8.3, -8.3, 3.7 mm



0 dB = 1.108 A/m = 0.89 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 1-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 8.25 dBA/m

BWC Factor = 0.13 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

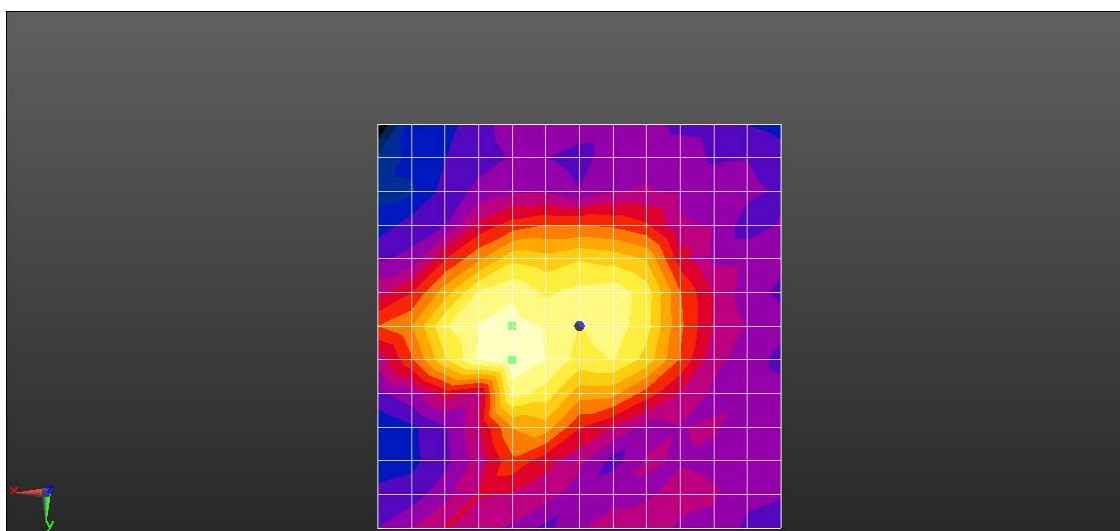
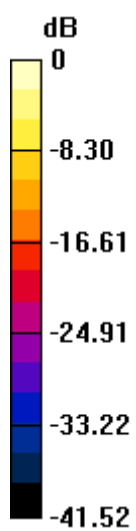
Cursor:

ABM1/ABM2 = 44.76 dB

ABM1 comp = 7.58 dBA/m

BWC Factor = 0.13 dB

Location: 8.3, 4.2, 3.7 mm



0 dB = 2.584 A/m = 8.25 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 1-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 4.42 dBA/m

BWC Factor = 10.77 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.42 dB

ABM1 comp = 4.42 dBA/m

BWC Factor = 10.77 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

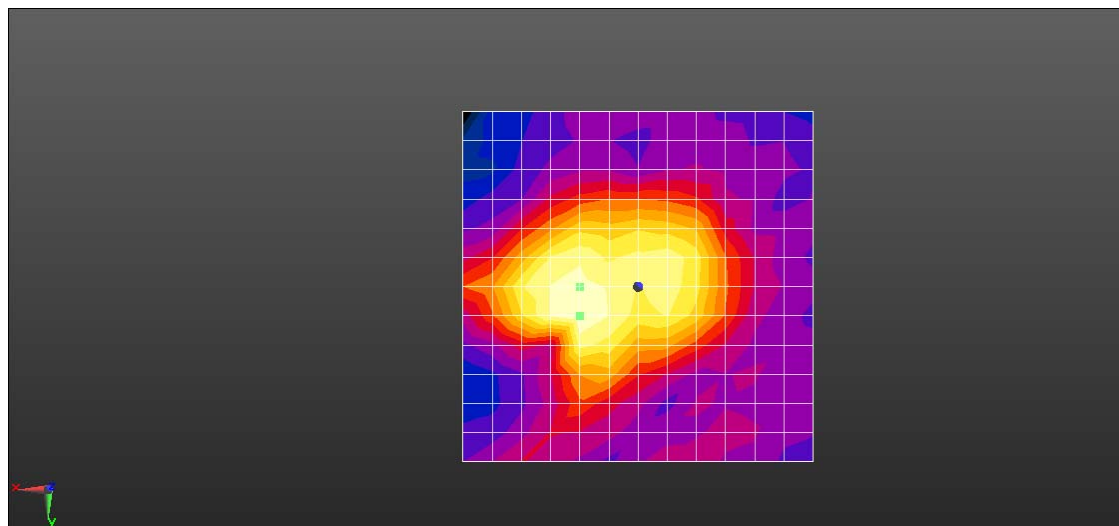
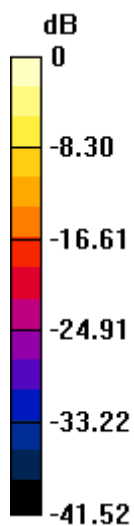
Device Reference Point: 0, 0, -6.3 mm

Cursor:

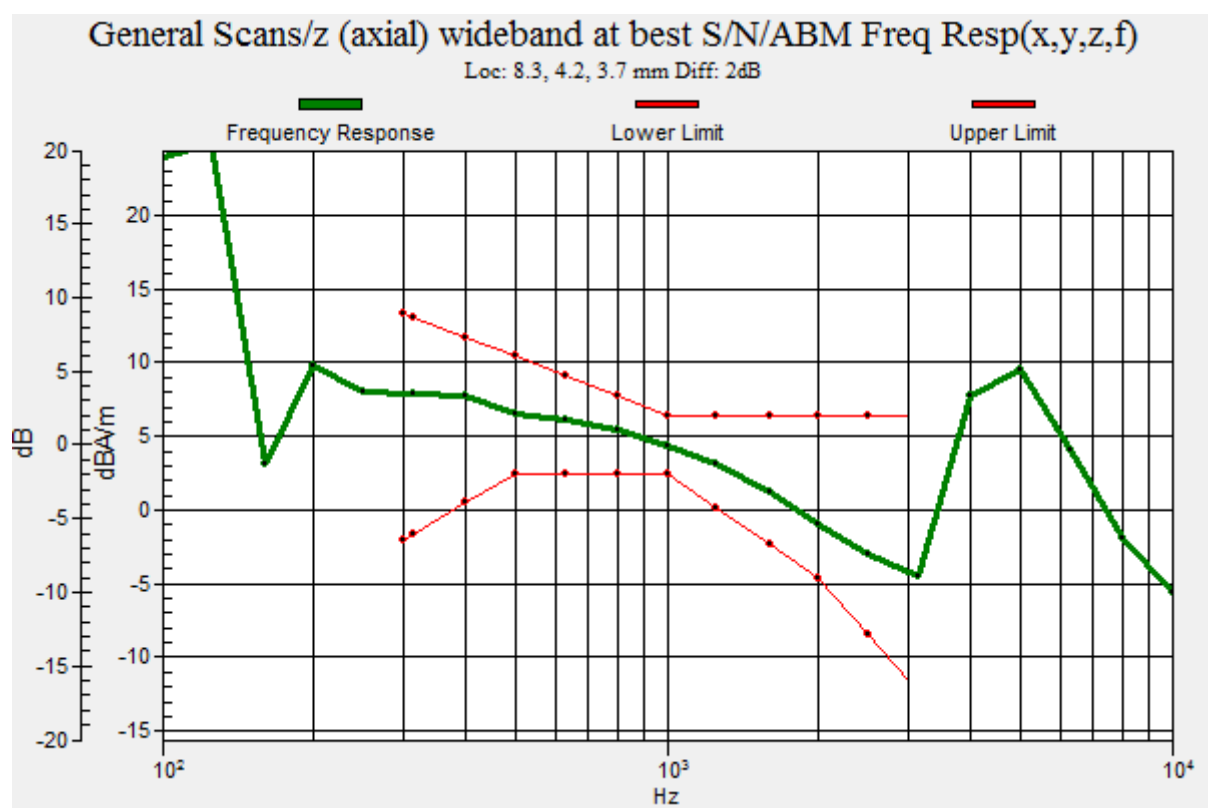
Diff = 2.00 dB

BWC Factor = 10.77 dB

Location: 8.3, 4.2, 3.7 mm



0 dB = 2.584 A/m = 8.25 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 2-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 0.76 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/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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

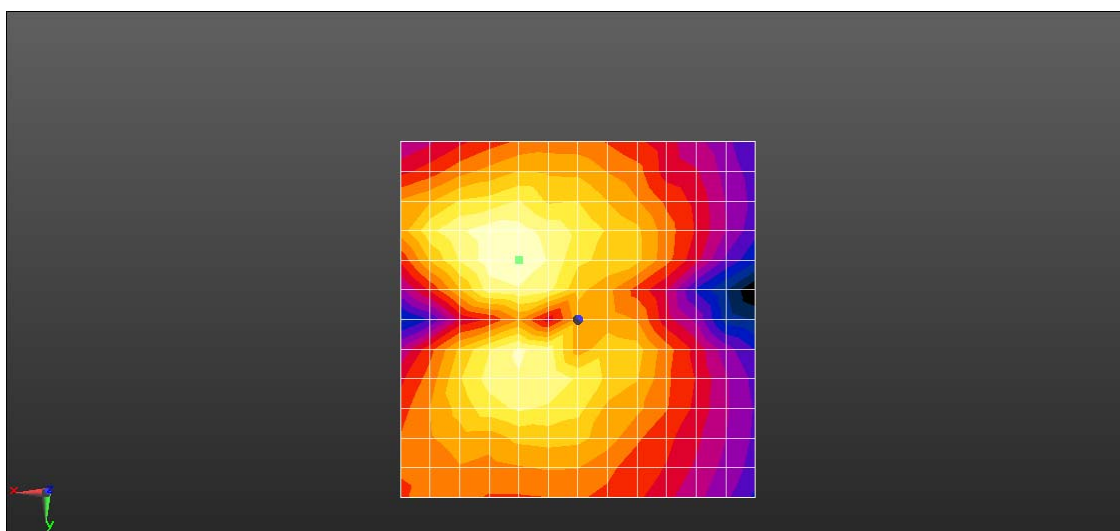
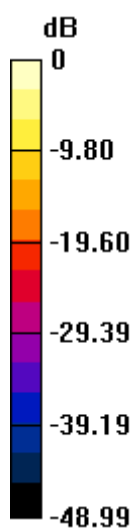
Cursor:

ABM1/ABM2 = 43.80 dB

ABM1 comp = 0.76 dBA/m

BWC Factor = 0.15 dB

Location: 8.3, -8.3, 3.7 mm



0 dB = 1.092 A/m = 0.76 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 2-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.90 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

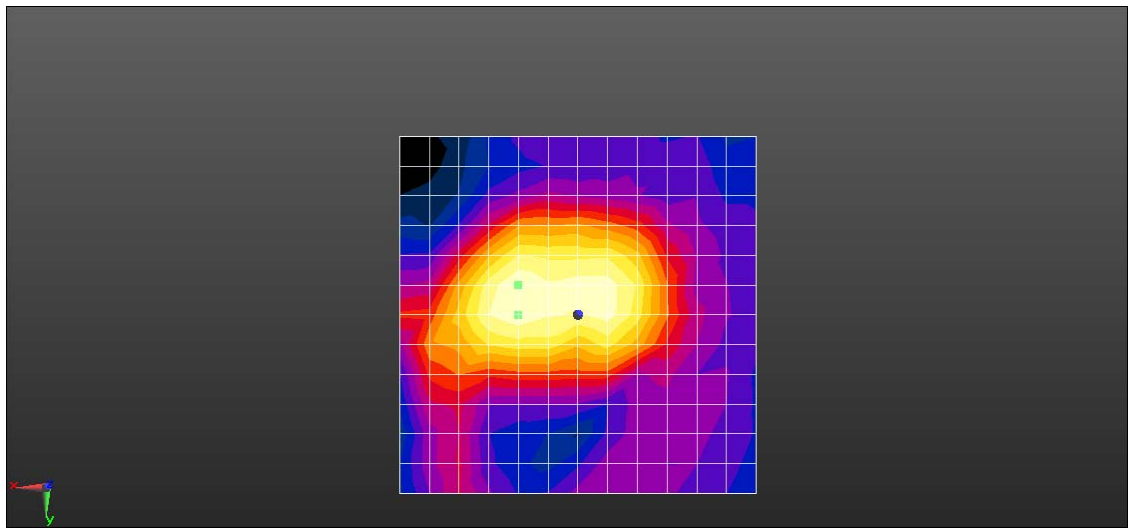
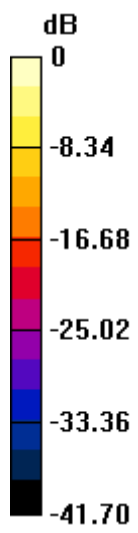
Cursor:

ABM1/ABM2 = 43.39 dB

ABM1 comp = 8.85 dBA/m

BWC Factor = 0.15 dB

Location: 8.3, -4.2, 3.7 mm



0 dB = 3.128 A/m = 9.91 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 2-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 5.66 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.84 dB

ABM1 comp = 5.66 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

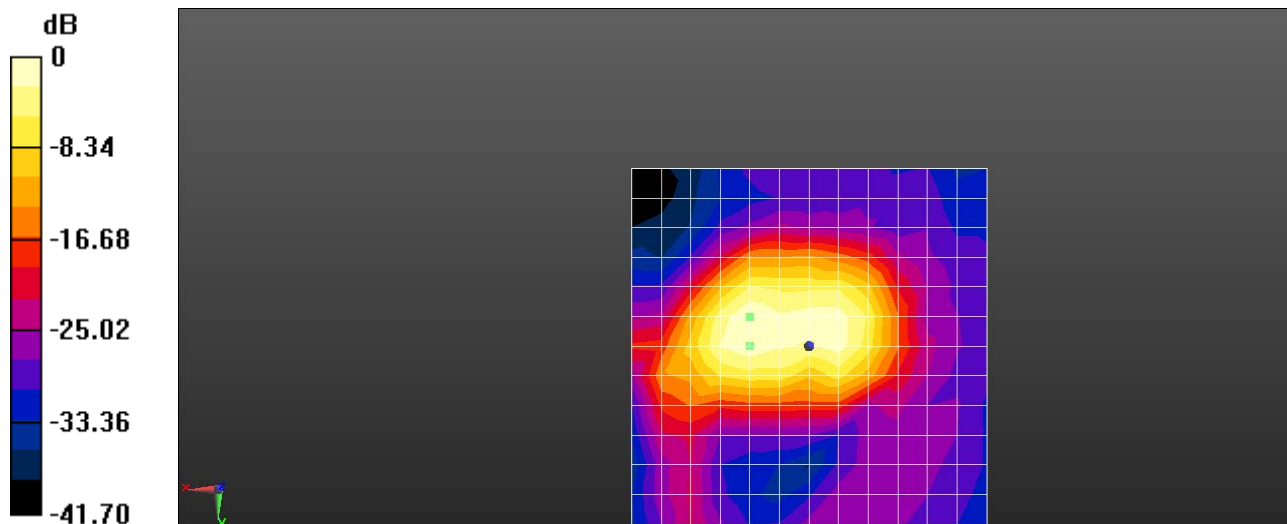
Device Reference Point: 0, 0, -6.3 mm

Cursor:

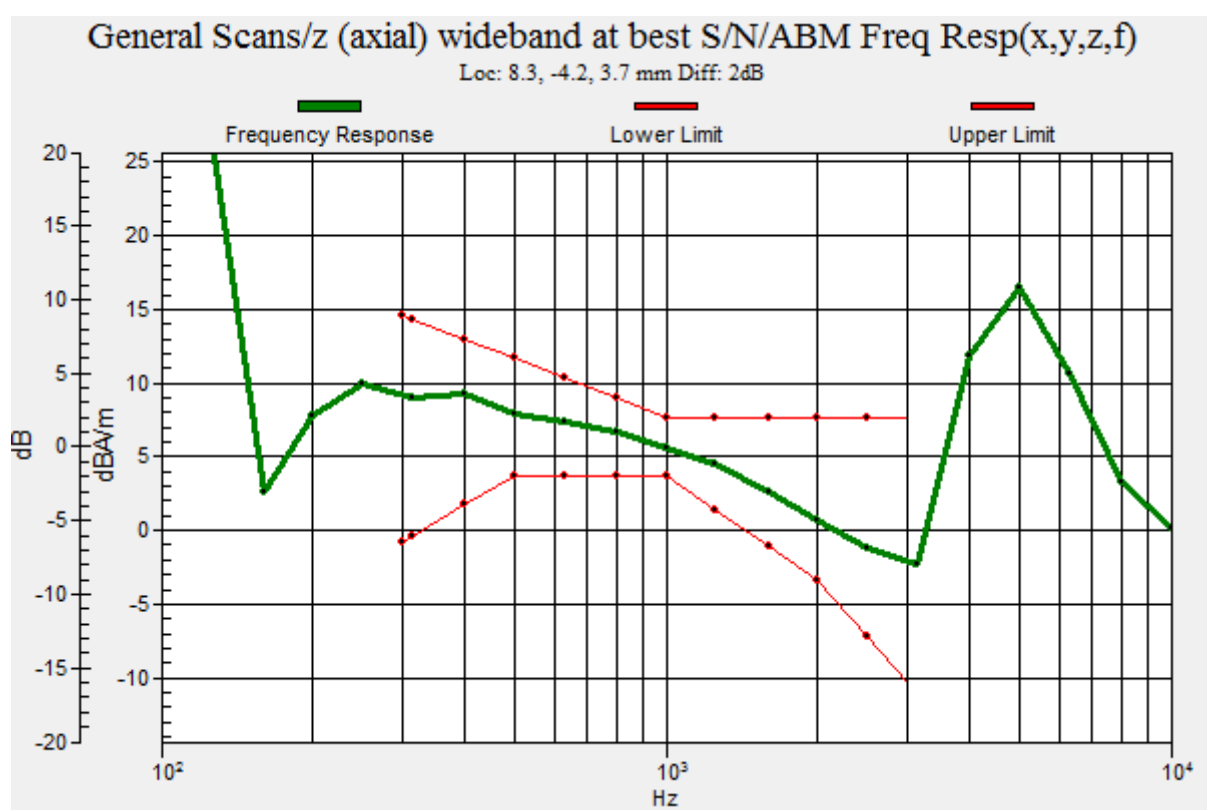
Diff = 2.00 dB

BWC Factor = 10.79 dB

Location: 8.3, -4.2, 3.7 mm



0 dB = 3.128 A/m = 9.91 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 3-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 0.41 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/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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

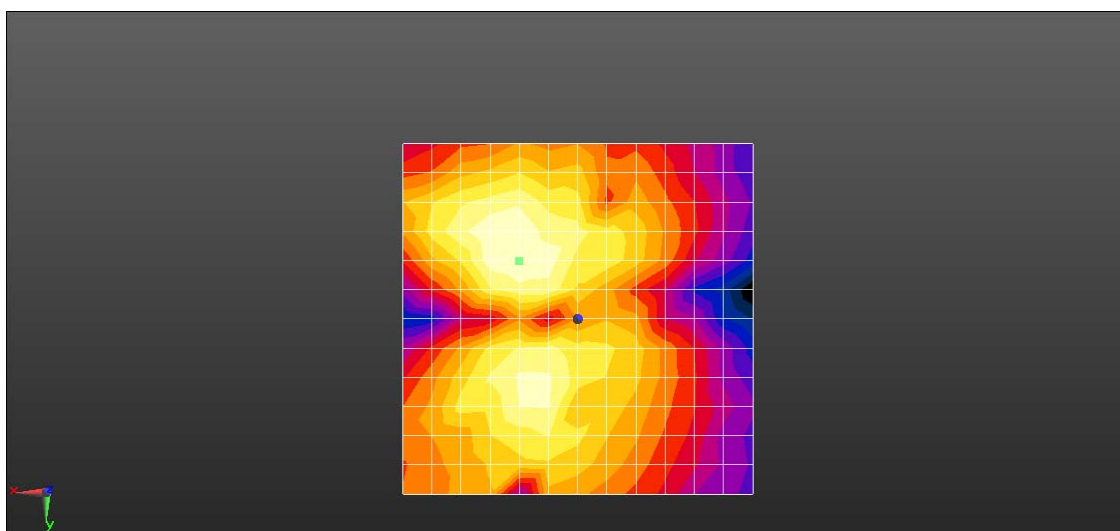
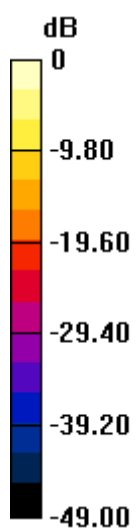
Cursor:

ABM1/ABM2 = 43.11 dB

ABM1 comp = 0.41 dBA/m

BWC Factor = 0.15 dB

Location: 8.3, -8.3, 3.7 mm



0 dB = 1.048 A/m = 0.41 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 3-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.87 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

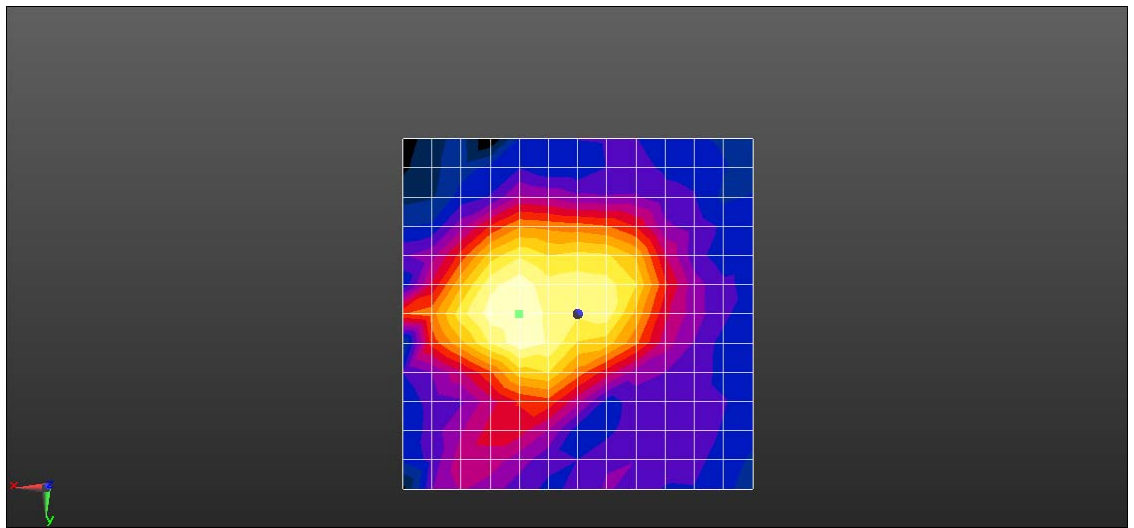
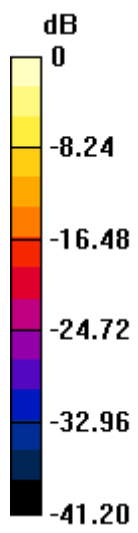
Cursor:

ABM1/ABM2 = 46.39 dB

ABM1 comp = 9.87 dBA/m

BWC Factor = 0.15 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.114 A/m = 9.87 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 3-Second Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.87 dBA/m

BWC Factor = 10.79 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.40 dB

ABM1 comp = 6.87 dBA/m

BWC Factor = 10.79 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

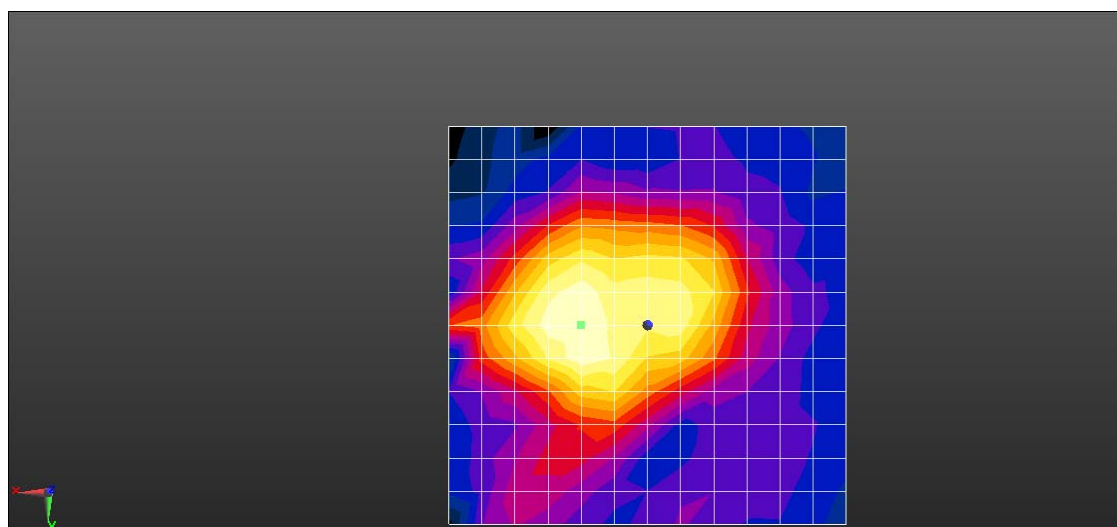
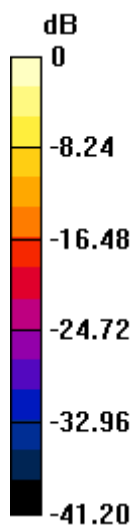
Device Reference Point: 0, 0, -6.3 mm

Cursor:

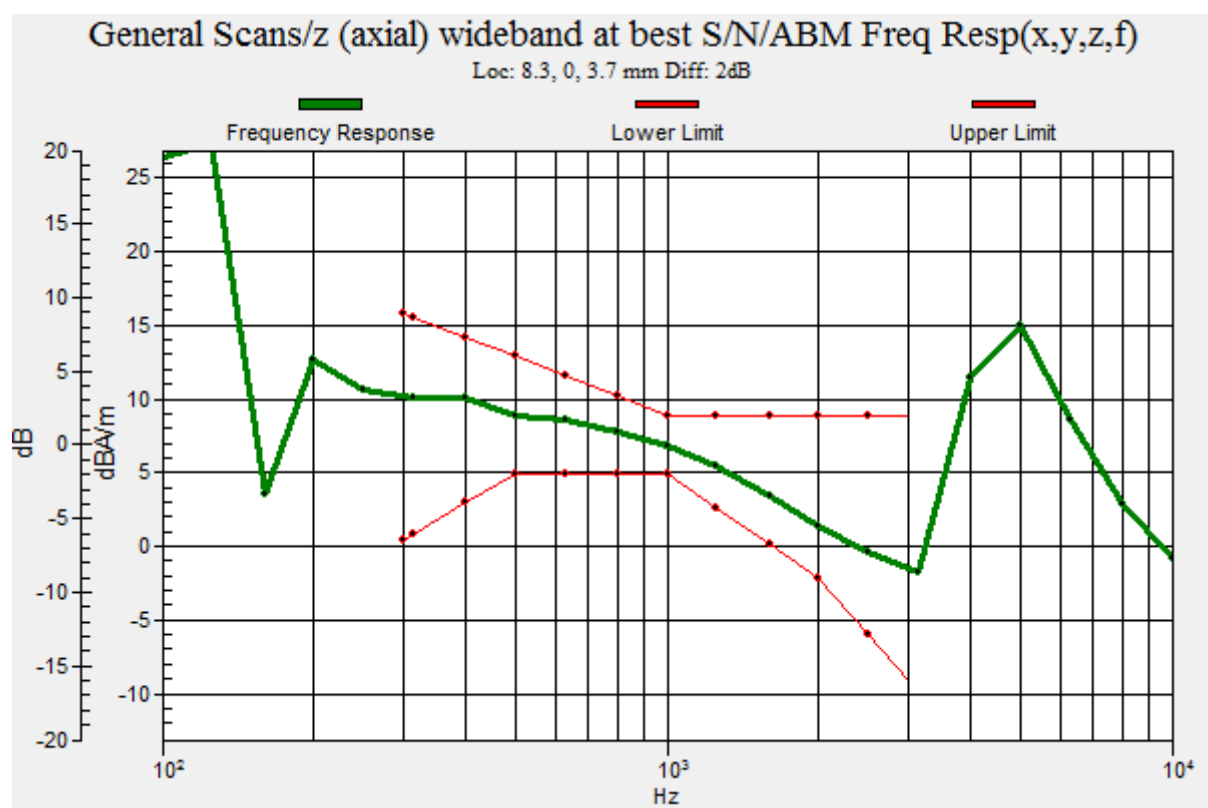
Diff = 2.00 dB

BWC Factor = 10.79 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.114 A/m = 9.87 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 1-Main Antenna

DUT: FRDL04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -0.09 dBA/m

BWC Factor = 0.15 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

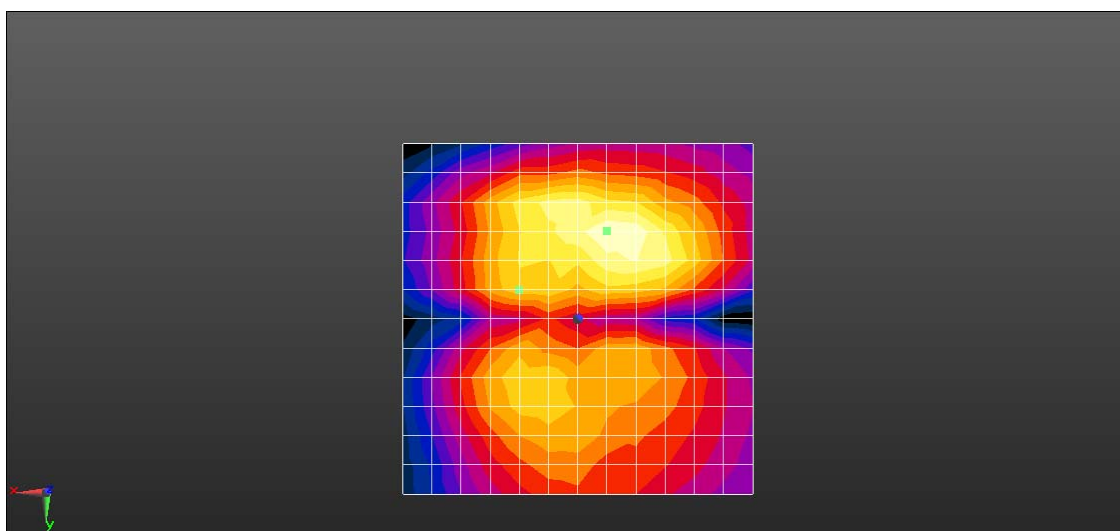
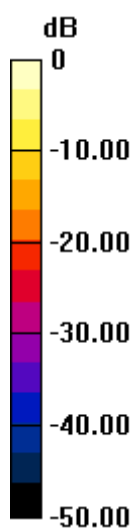
Cursor:

ABM1/ABM2 = 28.59 dB

ABM1 comp = -13.25 dBA/m

BWC Factor = 0.15 dB

Location: -4.2, -12.5, 3.7 mm



0 dB = 0.9895 A/m = -0.09 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 1-Main Antenna

DUT: FRDL04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.66 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

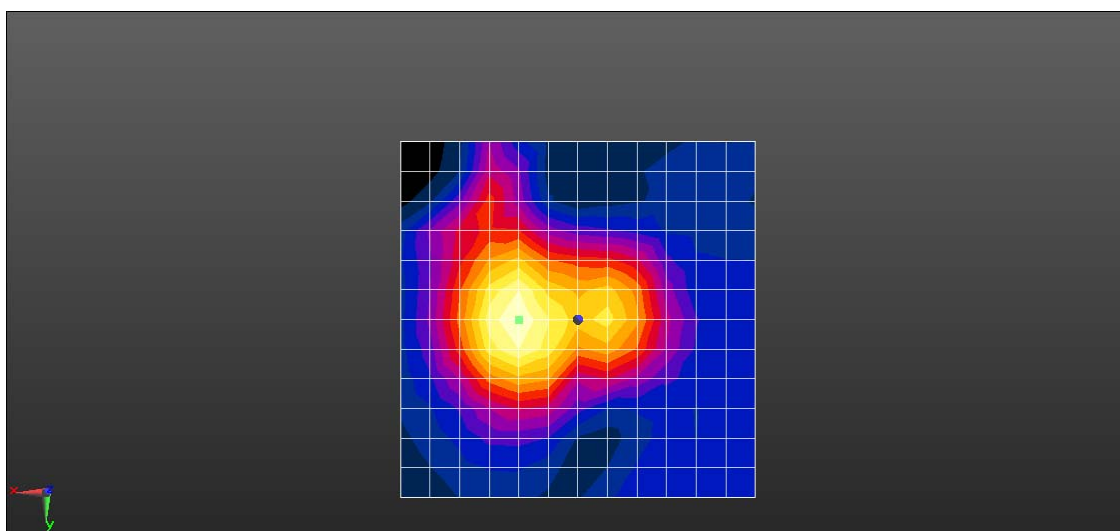
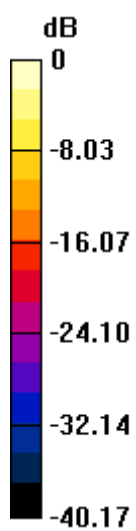
Cursor:

ABM1/ABM2 = 24.89 dB

ABM1 comp = 9.66 dBA/m

BWC Factor = 0.15 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.042 A/m = 9.66 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 7.67 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 22.95 dB

ABM1 comp = 7.67 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

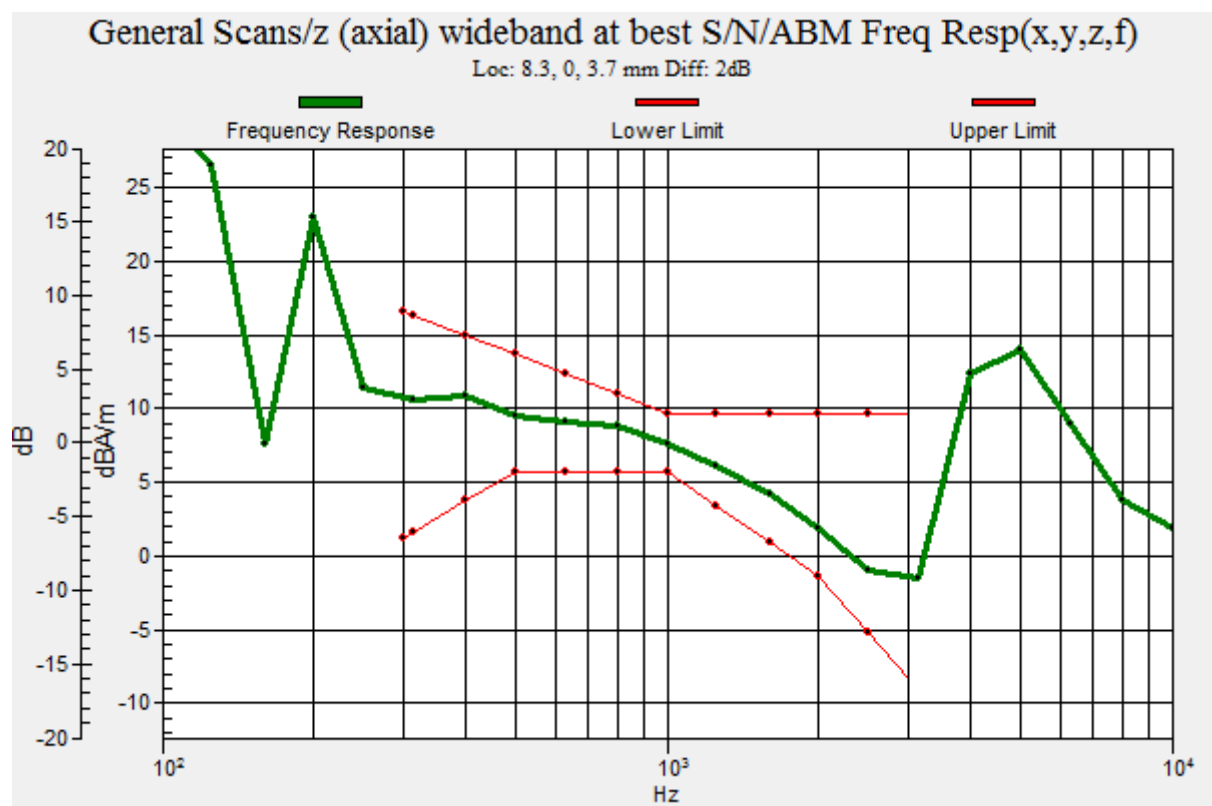
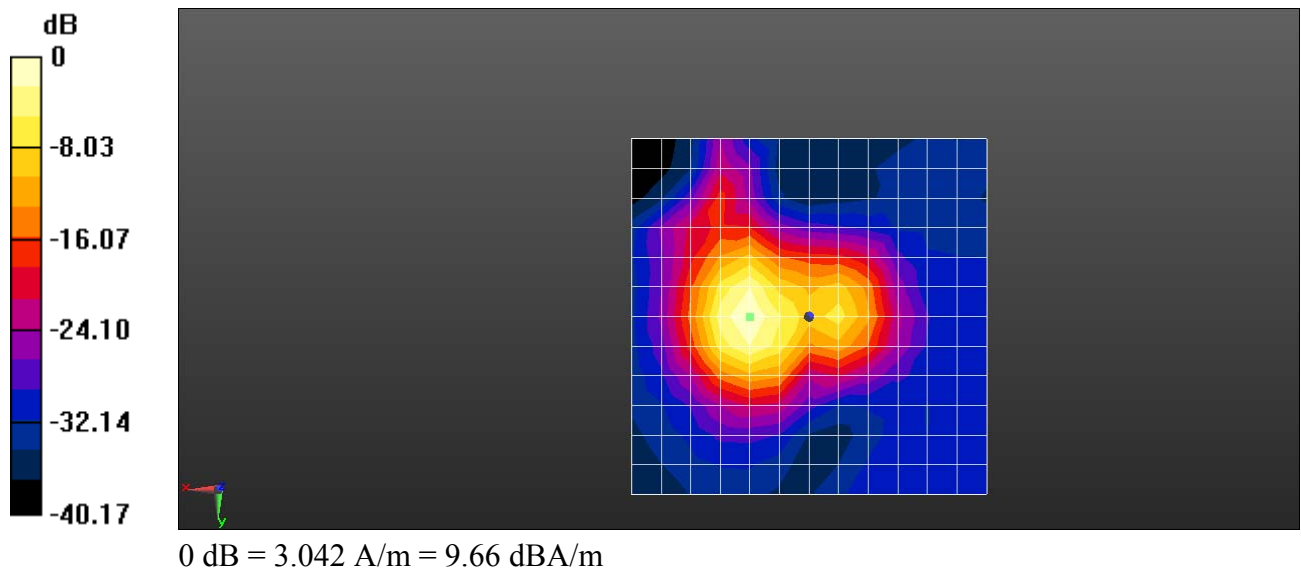
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 2.00 dB

BWC Factor = 10.78 dB

Location: 8.3, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.63 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/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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

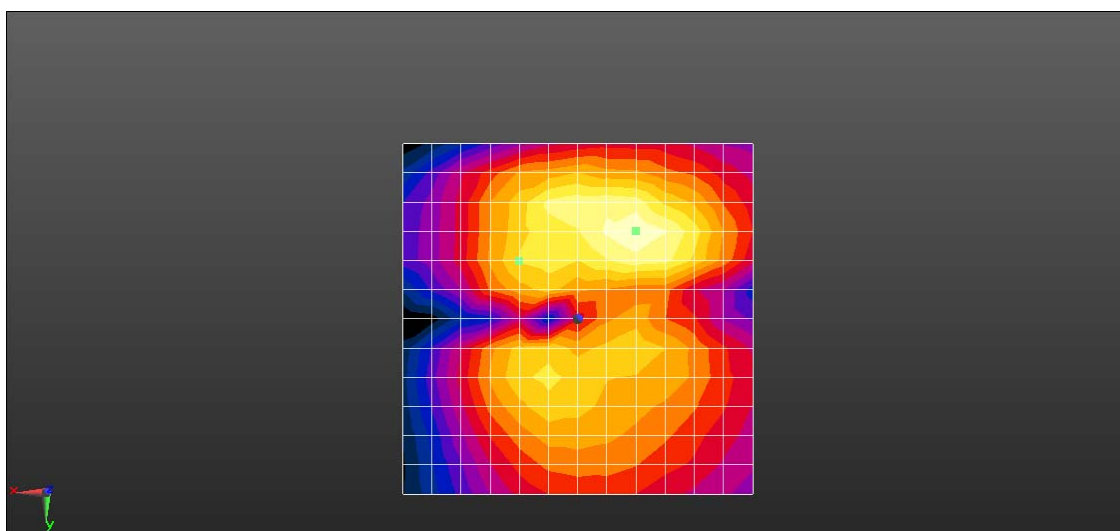
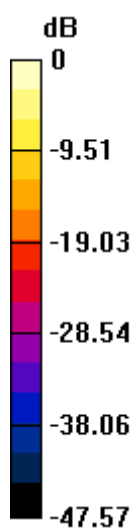
Cursor:

ABM1/ABM2 = 32.33 dB

ABM1 comp = -12.52 dBA/m

BWC Factor = 0.14 dB

Location: -8.3, -12.5, 3.7 mm



0 dB = 1.206 A/m = 1.63 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.03 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

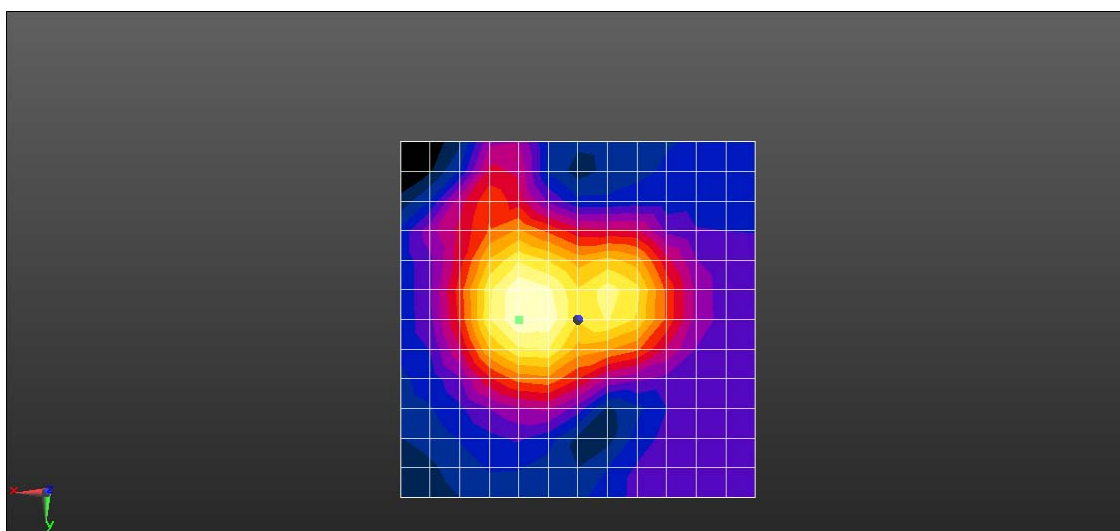
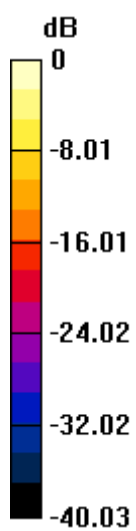
Cursor:

ABM1/ABM2 = 26.08 dB

ABM1 comp = 10.03 dBA/m

BWC Factor = 0.14 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.173 A/m = 10.03 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 7.83 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 23.92 dB

ABM1 comp = 7.83 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

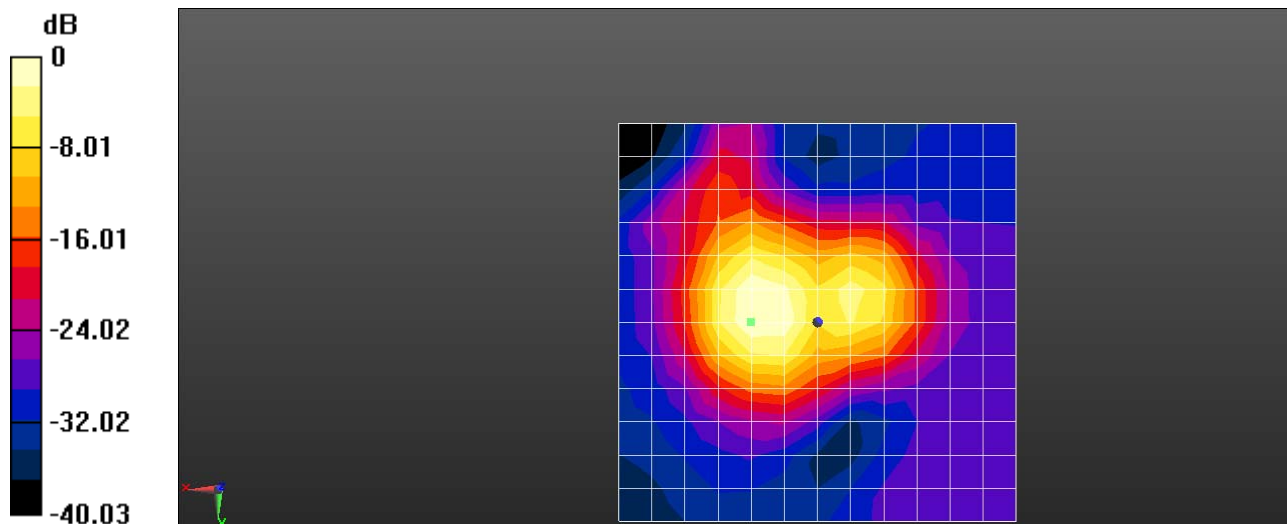
Device Reference Point: 0, 0, -6.3 mm

Cursor:

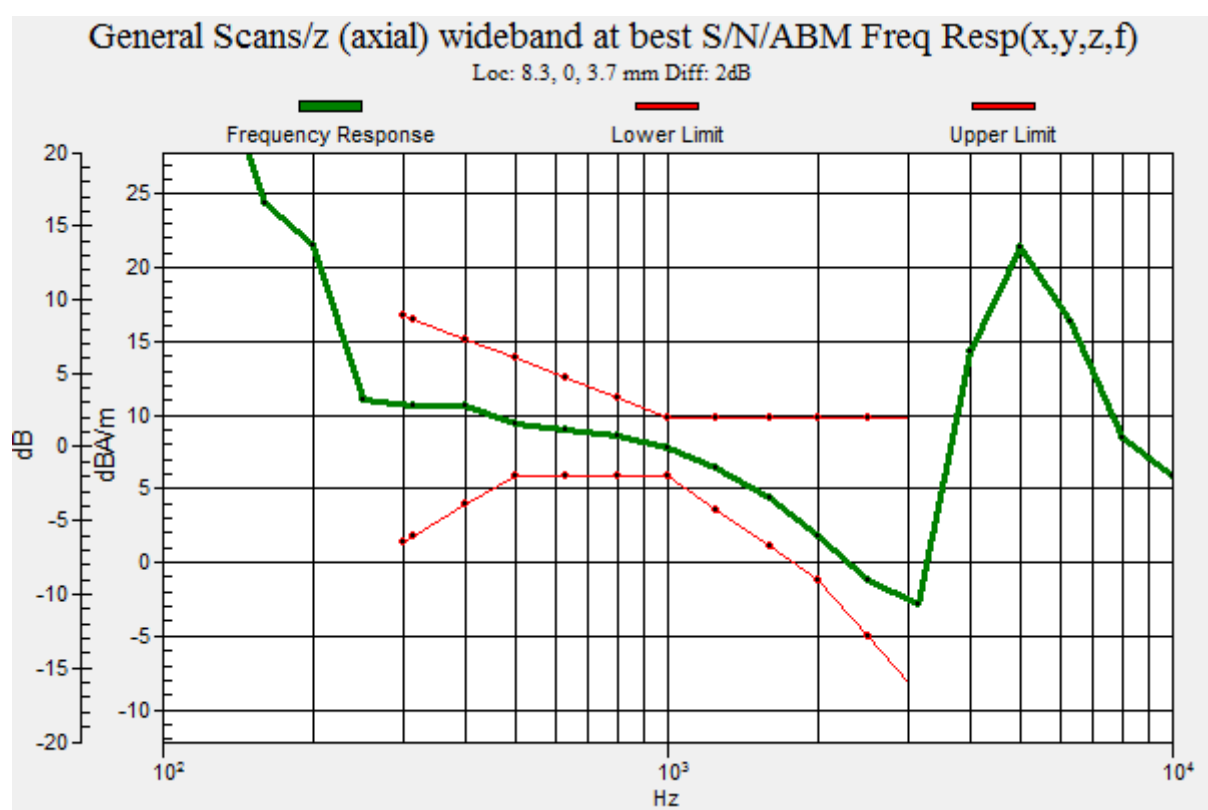
Diff = 2.00 dB

BWC Factor = 10.78 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.173 A/m = 10.03 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.20 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.00 dBA/m

BWC Factor = 0.20 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.20 dB

Device Reference Point: 0, 0, -6.3 mm

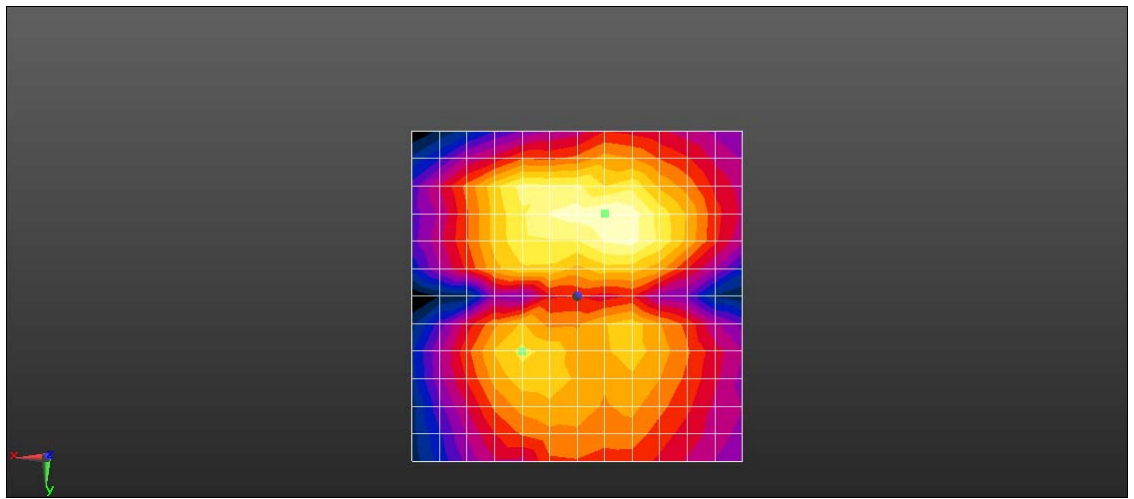
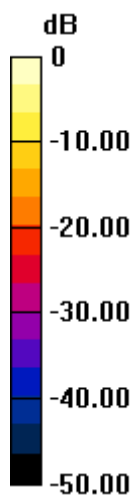
Cursor:

ABM1/ABM2 = 31.76 dB

ABM1 comp = -12.44 dBA/m

BWC Factor = 0.20 dB

Location: -4.2, -12.5, 3.7 mm



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

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.20 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.41 dBA/m

BWC Factor = 0.20 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.20 dB

Device Reference Point: 0, 0, -6.3 mm

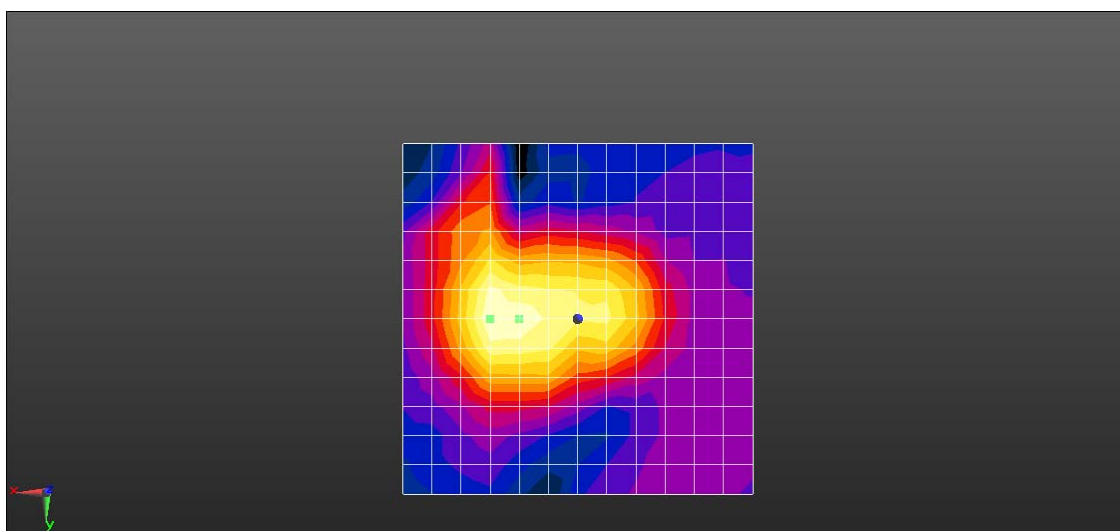
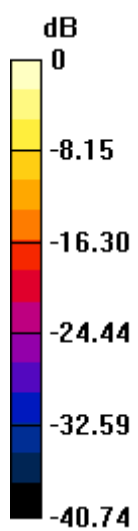
Cursor:

ABM1/ABM2 = 25.18 dB

ABM1 comp = 8.72 dBA/m

BWC Factor = 0.20 dB

Location: 12.5, 0, 3.7 mm



0 dB = 2.953 A/m = 9.41 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM850-190CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.85 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 8.90 dBA/m

BWC Factor = 10.85 dB

Location: 12.5, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.85 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 25.66 dB

ABM1 comp = 8.90 dBA/m

BWC Factor = 10.85 dB

Location: 12.5, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.85 dB

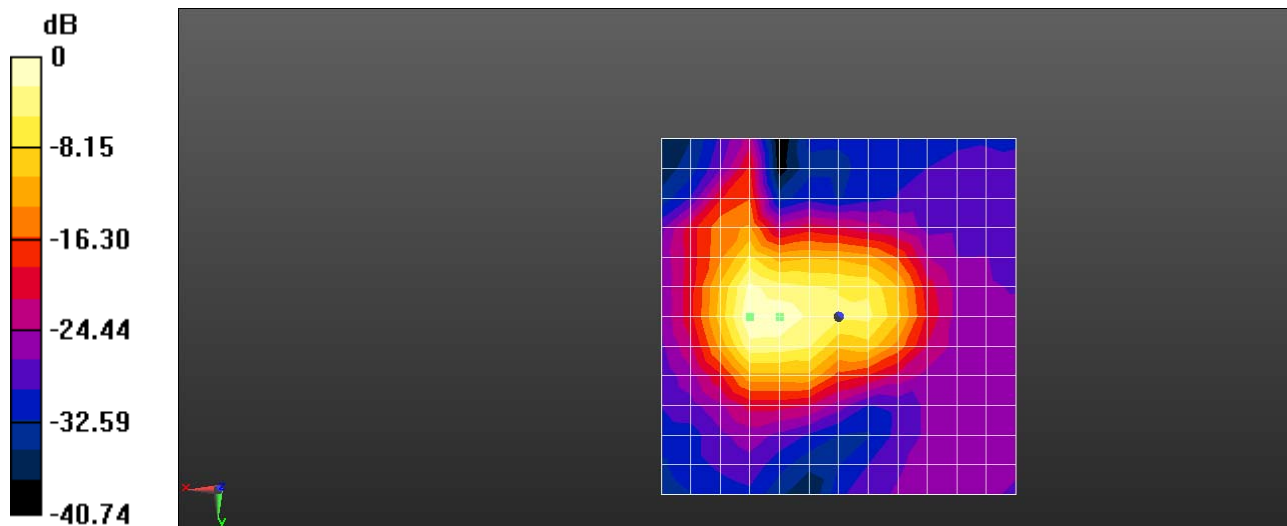
Device Reference Point: 0, 0, -6.3 mm

Cursor:

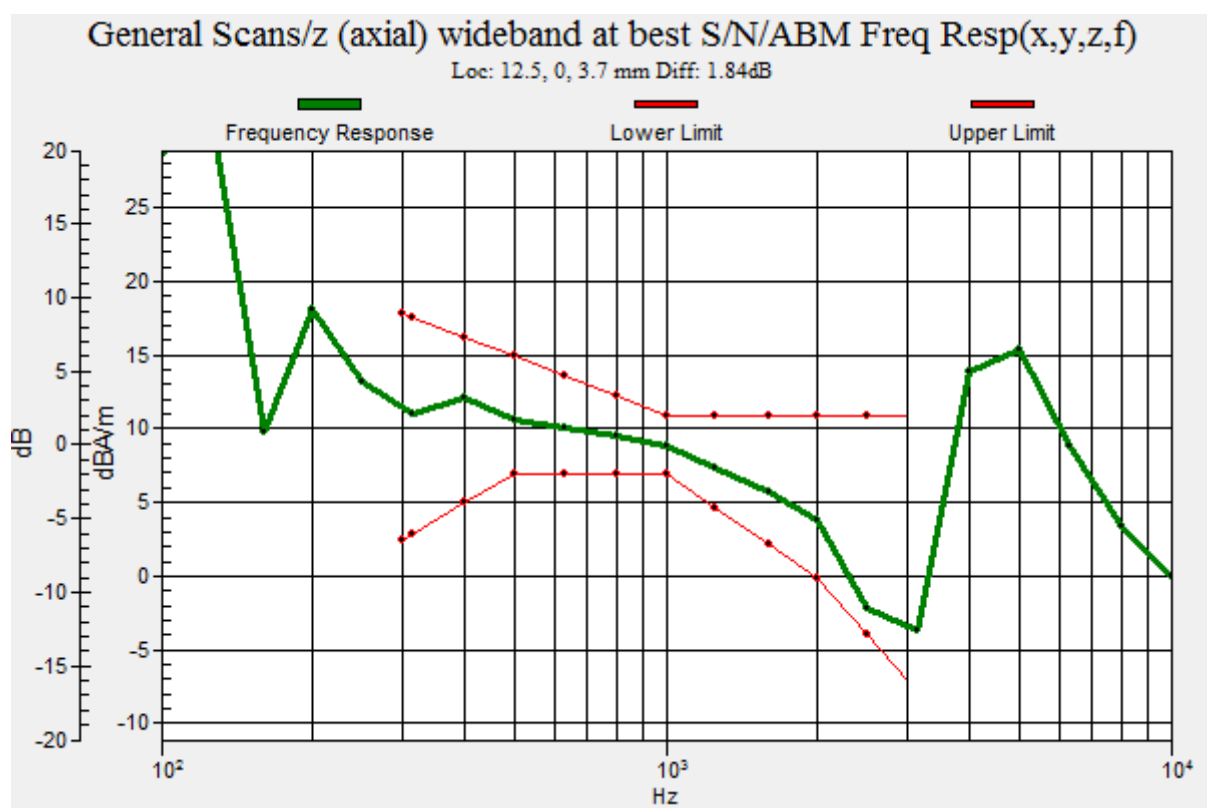
Diff = 1.84 dB

BWC Factor = 10.85 dB

Location: 12.5, 0, 3.7 mm



0 dB = 2.953 A/m = 9.41 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM1900-661CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 0.85 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/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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

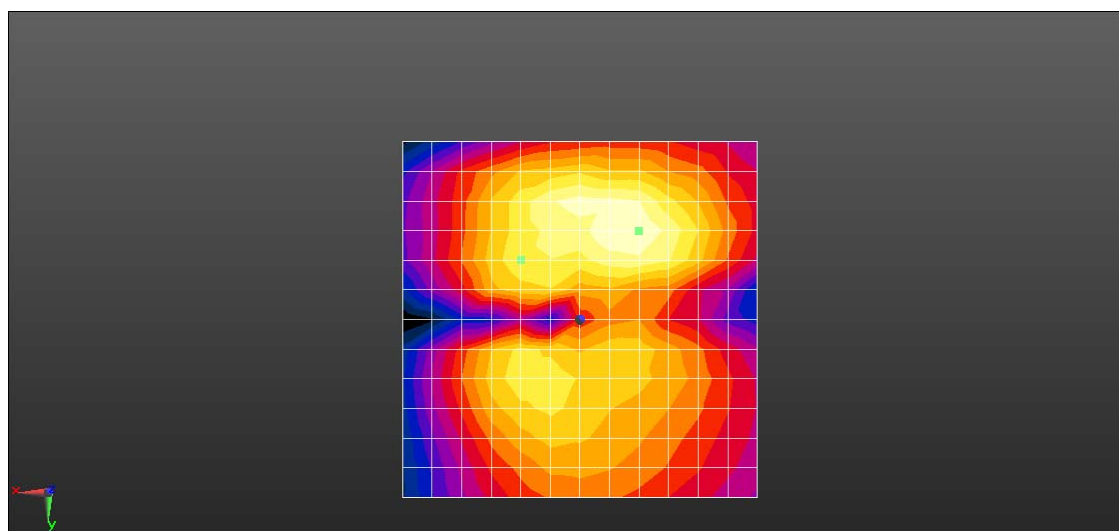
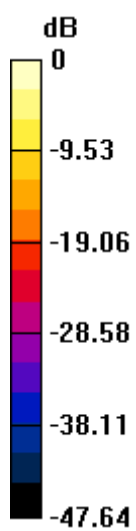
Cursor:

ABM1/ABM2 = 33.55 dB

ABM1 comp = -14.19 dBA/m

BWC Factor = 0.14 dB

Location: -8.3, -12.5, 3.7 mm



0 dB = 1.103 A/m = 0.85 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM1900-661CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.08 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

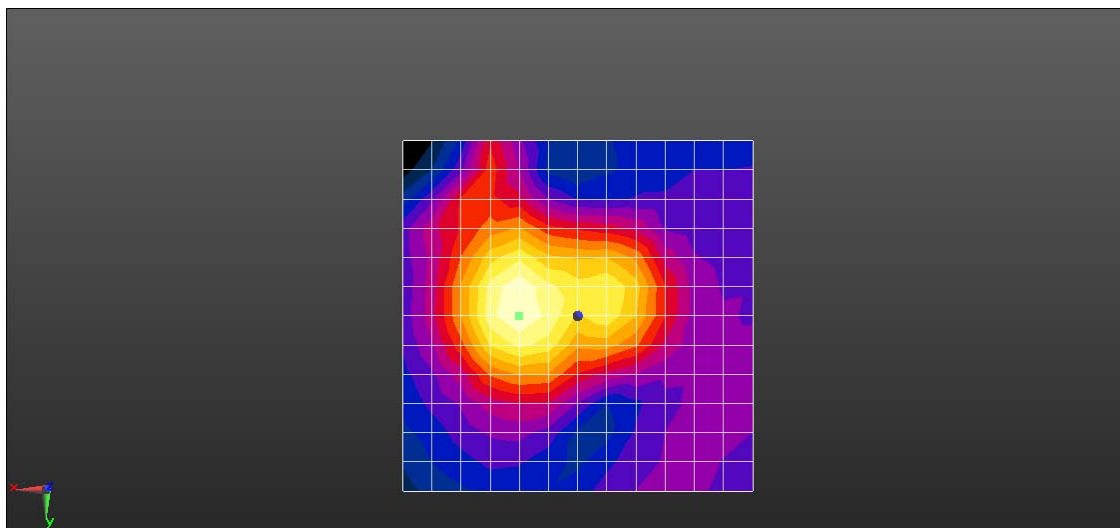
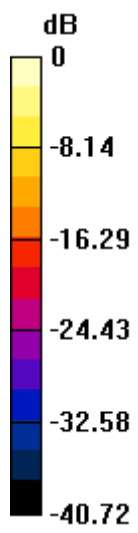
Cursor:

ABM1/ABM2 = 29.88 dB

ABM1 comp = 10.08 dBA/m

BWC Factor = 0.14 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.192 A/m = 10.08 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM1900-661CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.24 dBA/m

BWC Factor = 10.77 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 26.19 dB

ABM1 comp = 6.24 dBA/m

BWC Factor = 10.77 dB

Location: 8.3, 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: 87.88

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

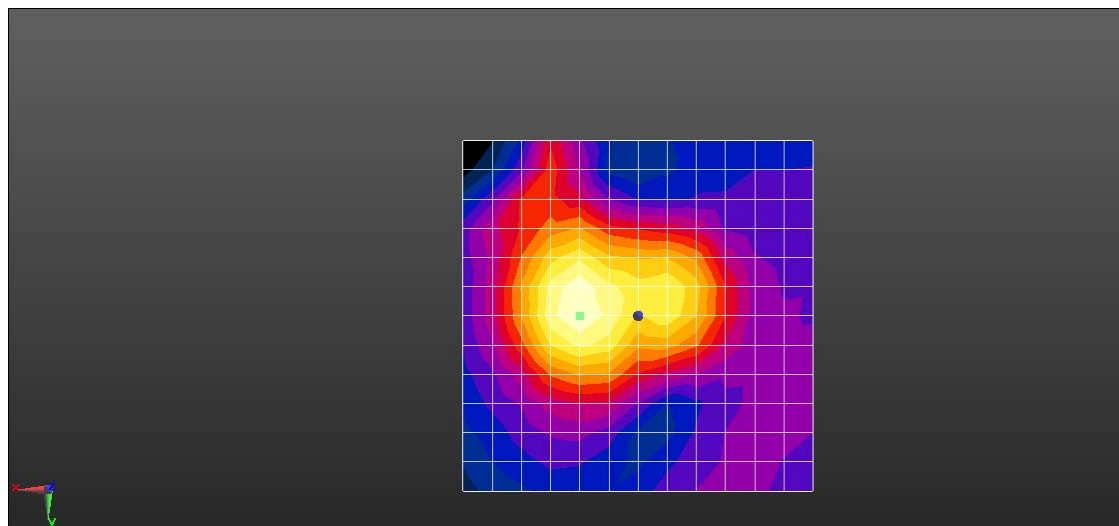
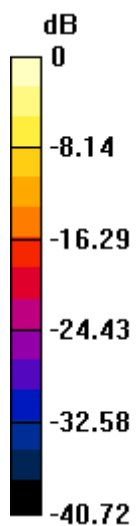
Device Reference Point: 0, 0, -6.3 mm

Cursor:

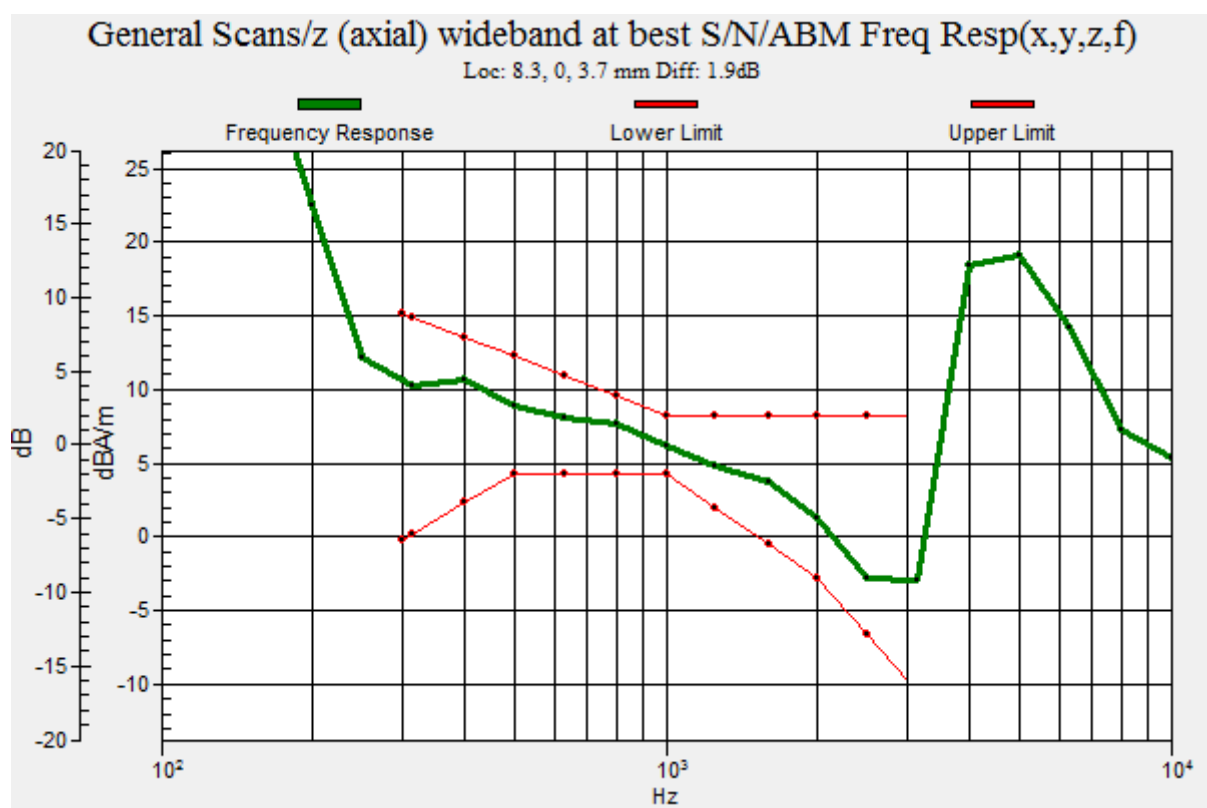
Diff = 1.90 dB

BWC Factor = 10.77 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.192 A/m = 10.08 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM1900-661CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.30 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/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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

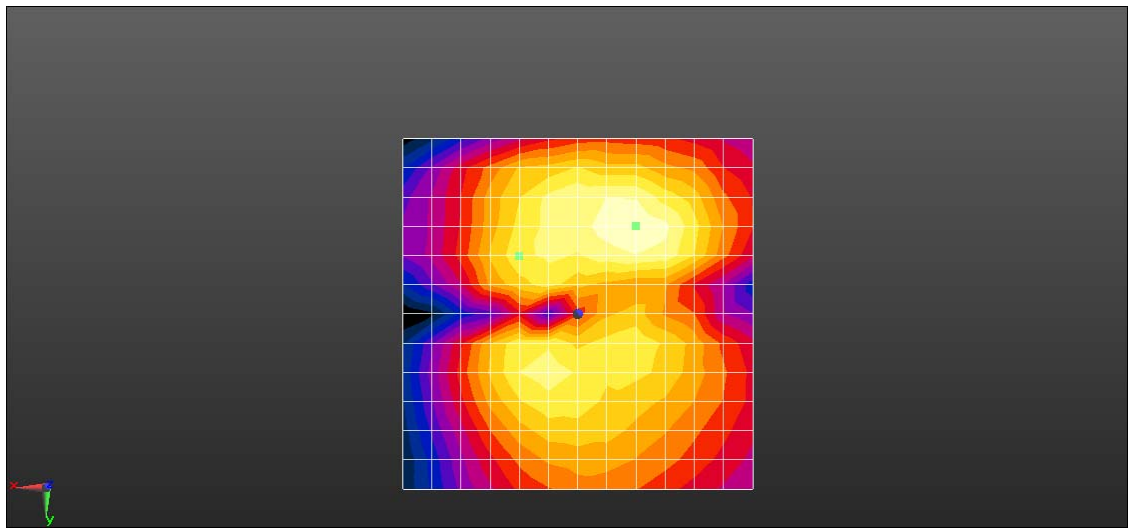
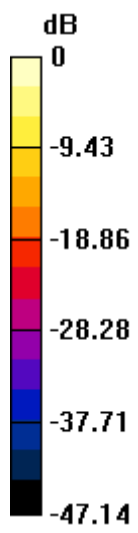
Cursor:

ABM1/ABM2 = 33.39 dB

ABM1 comp = -12.34 dBA/m

BWC Factor = 0.15 dB

Location: -8.3, -12.5, 3.7 mm



0 dB = 1.162 A/m = 1.30 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM1900-661CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.23 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

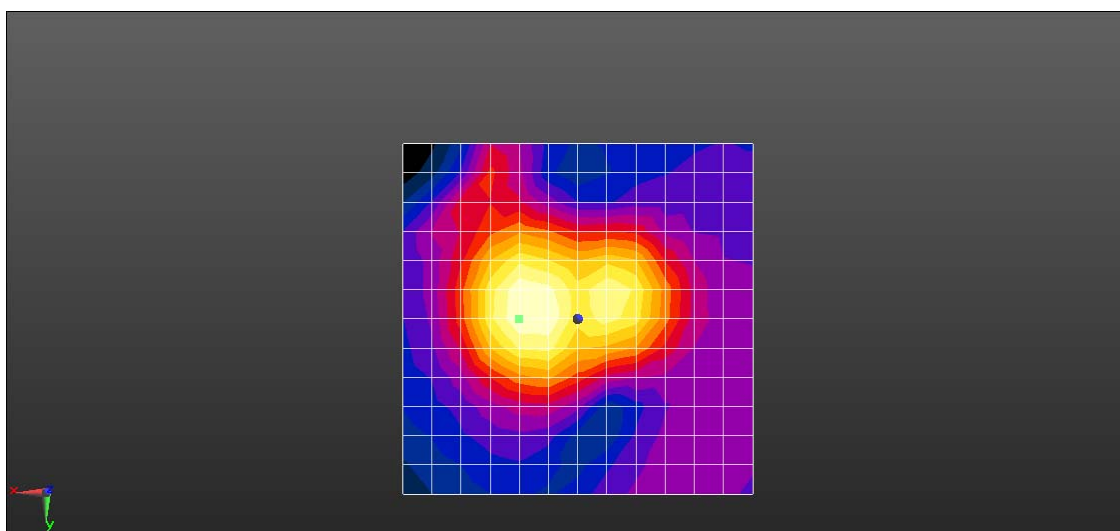
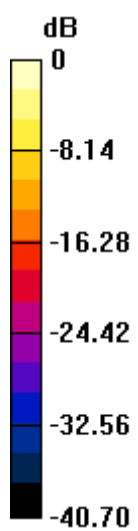
Cursor:

ABM1/ABM2 = 28.73 dB

ABM1 comp = 10.23 dBA/m

BWC Factor = 0.15 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.247 A/m = 10.23 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM1900-661CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 7.80 dBA/m

BWC Factor = 10.79 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 26.38 dB

ABM1 comp = 7.80 dBA/m

BWC Factor = 10.79 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

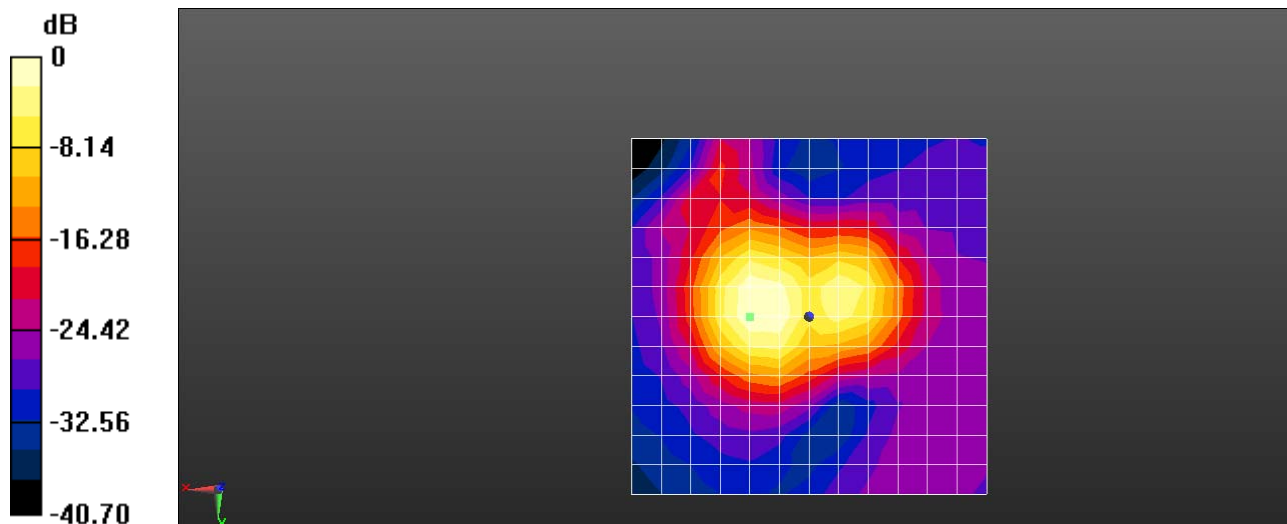
Device Reference Point: 0, 0, -6.3 mm

Cursor:

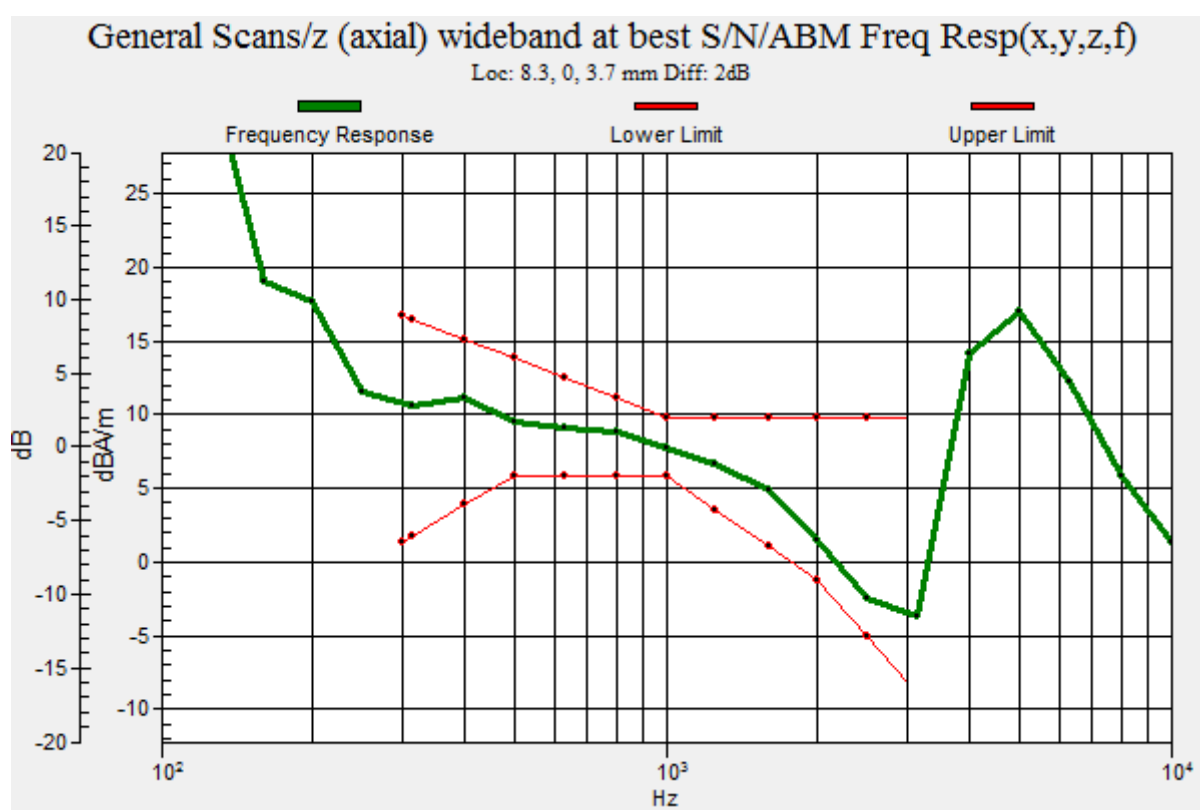
Diff = 2.00 dB

BWC Factor = 10.79 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.247 A/m = 10.23 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM1900-661CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.32 dBA/m

BWC Factor = 0.15 dB

Location: 12.5, 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

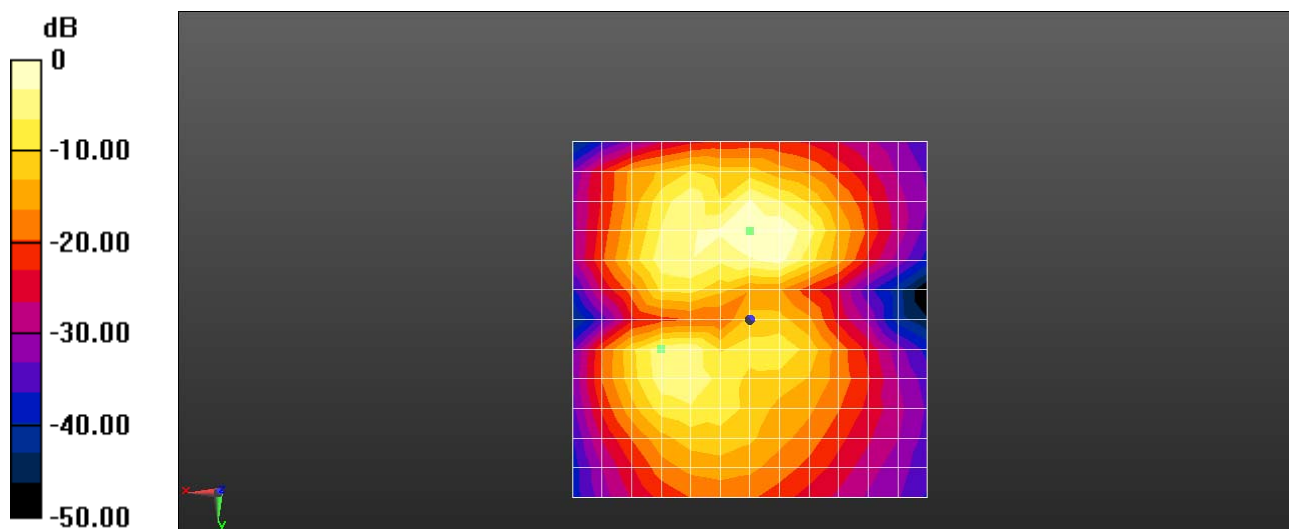
Cursor:

ABM1/ABM2 = 33.73 dB

ABM1 comp = -8.36 dBA/m

BWC Factor = 0.15 dB

Location: 0, -12.5, 3.7 mm



0 dB = 1.466 A/m = 3.32 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM1900-661CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.64 dBA/m

BWC Factor = 0.15 dB

Location: 12.5, 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

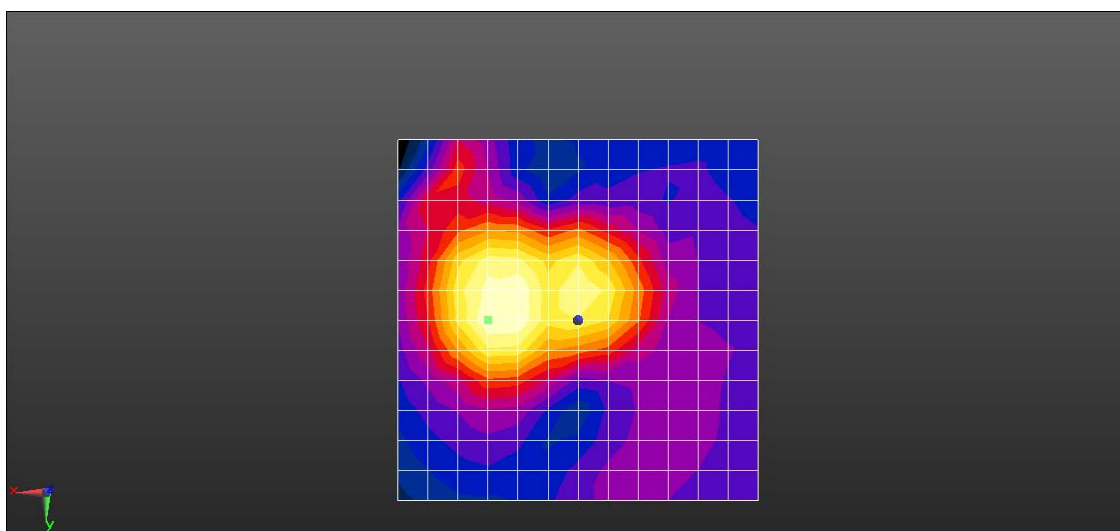
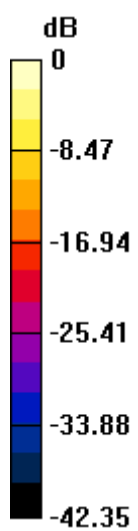
Cursor:

ABM1/ABM2 = 29.41 dB

ABM1 comp = 10.64 dBA/m

BWC Factor = 0.15 dB

Location: 12.5, 0, 3.7 mm



0 dB = 3.404 A/m = 10.64 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-GSM1900-661CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 8.57 dBA/m

BWC Factor = 10.79 dB

Location: 12.5, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 28.15 dB

ABM1 comp = 8.57 dBA/m

BWC Factor = 10.79 dB

Location: 12.5, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.79 dB

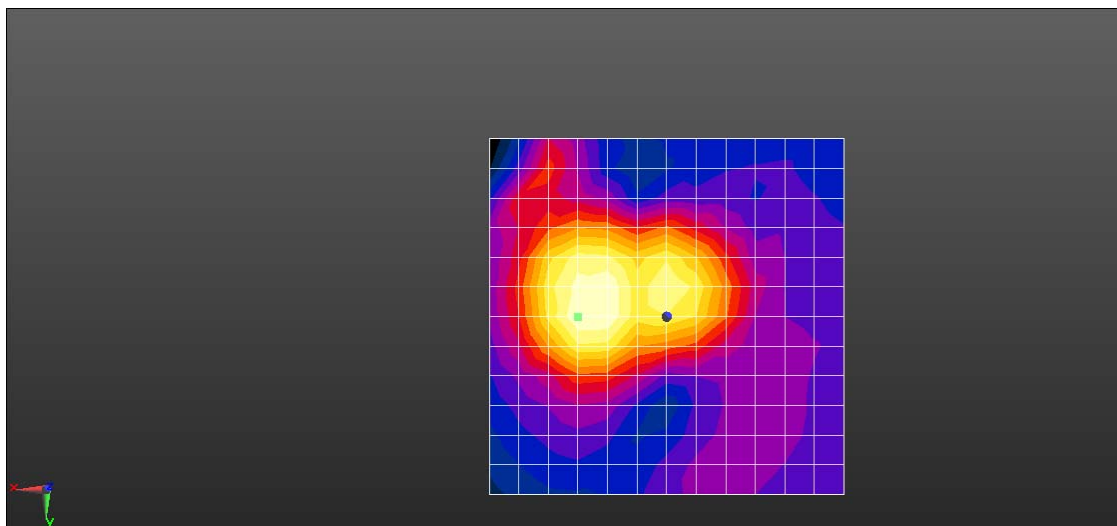
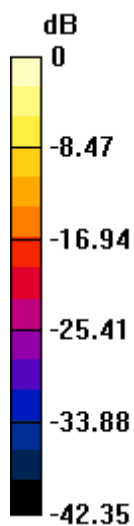
Device Reference Point: 0, 0, -6.3 mm

Cursor:

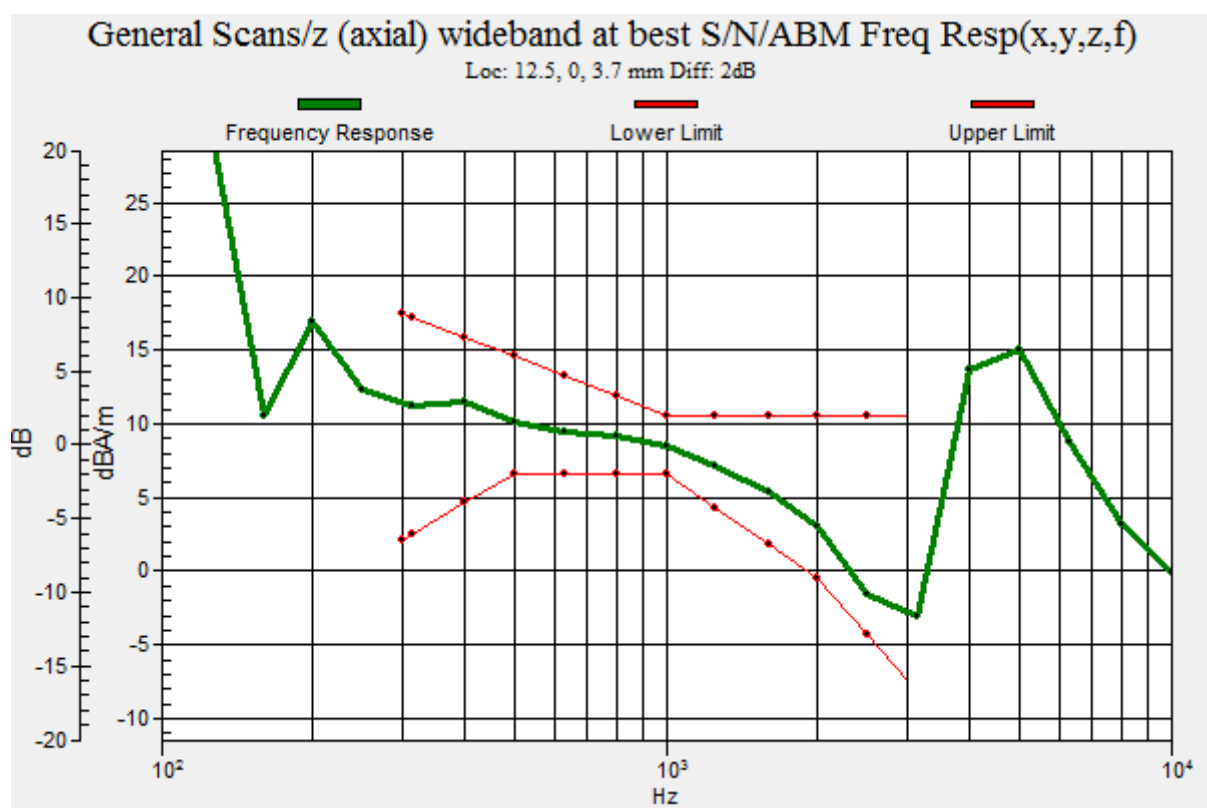
Diff = 2.00 dB

BWC Factor = 10.79 dB

Location: 12.5, 0, 3.7 mm



0 dB = 3.404 A/m = 10.64 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band II-9400CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 0.22 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

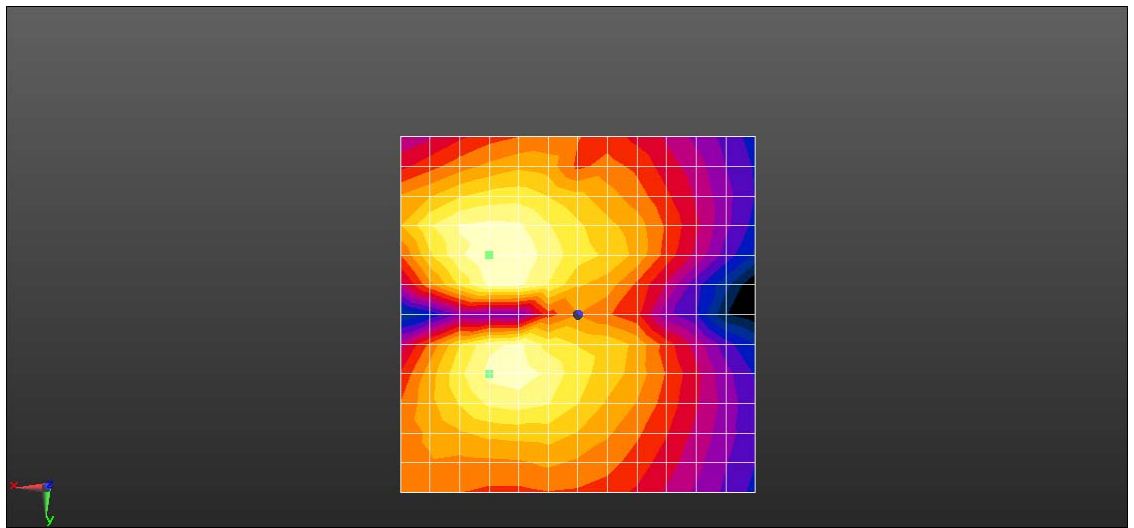
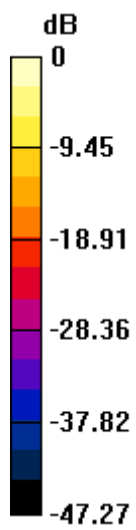
Cursor:

ABM1/ABM2 = 44.89 dB

ABM1 comp = 0.00 dBA/m

BWC Factor = 0.14 dB

Location: 12.5, -8.3, 3.7 mm



0 dB = 1.026 A/m = 0.22 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band II-9400CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.28 dBA/m

BWC Factor = 0.14 dB

Location: 12.5, 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

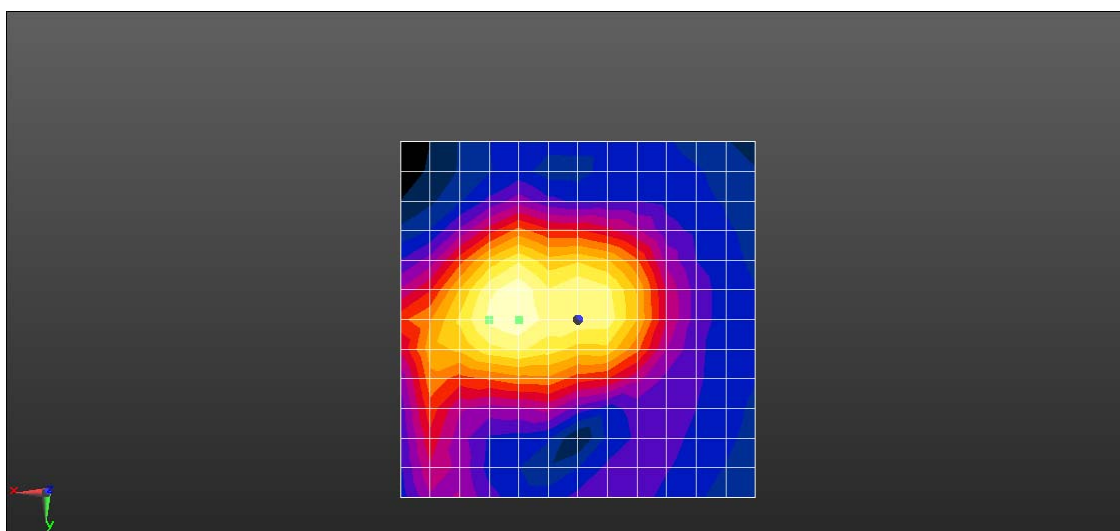
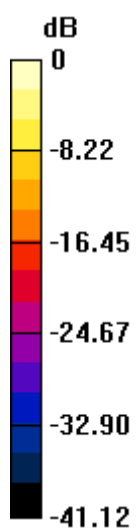
Cursor:

ABM1/ABM2 = 46.87 dB

ABM1 comp = 9.11 dBA/m

BWC Factor = 0.14 dB

Location: 8.3, 0, 3.7 mm



0 dB = 2.909 A/m = 9.27 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band II-9400CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.10 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.83 dB

ABM1 comp = 6.10 dBA/m

BWC Factor = 10.78 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

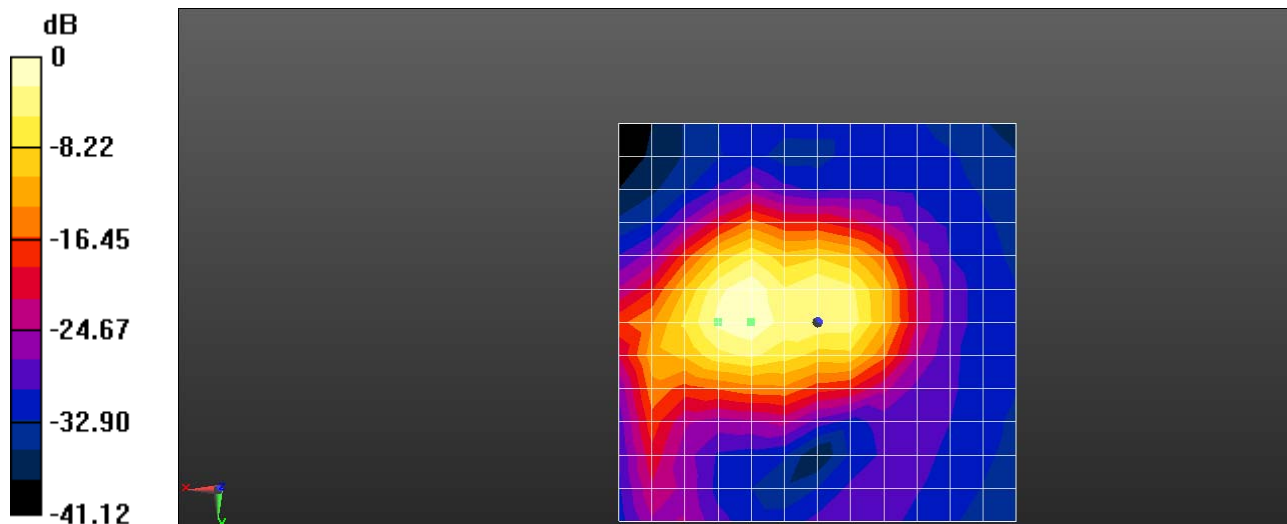
Device Reference Point: 0, 0, -6.3 mm

Cursor:

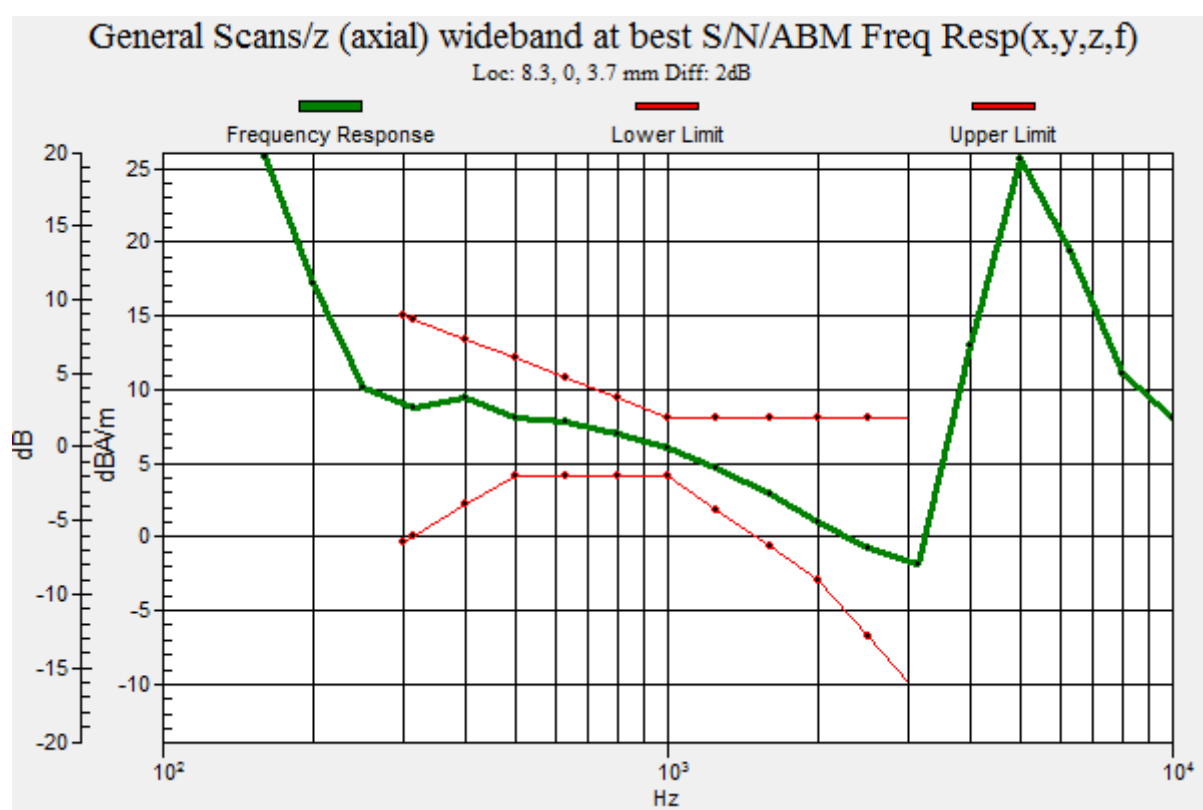
Diff = 2.00 dB

BWC Factor = 10.78 dB

Location: 8.3, 0, 3.7 mm



0 dB = 2.909 A/m = 9.27 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band II-9400CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.09 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.55 dBA/m

BWC Factor = 0.09 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.09 dB

Device Reference Point: 0, 0, -6.3 mm

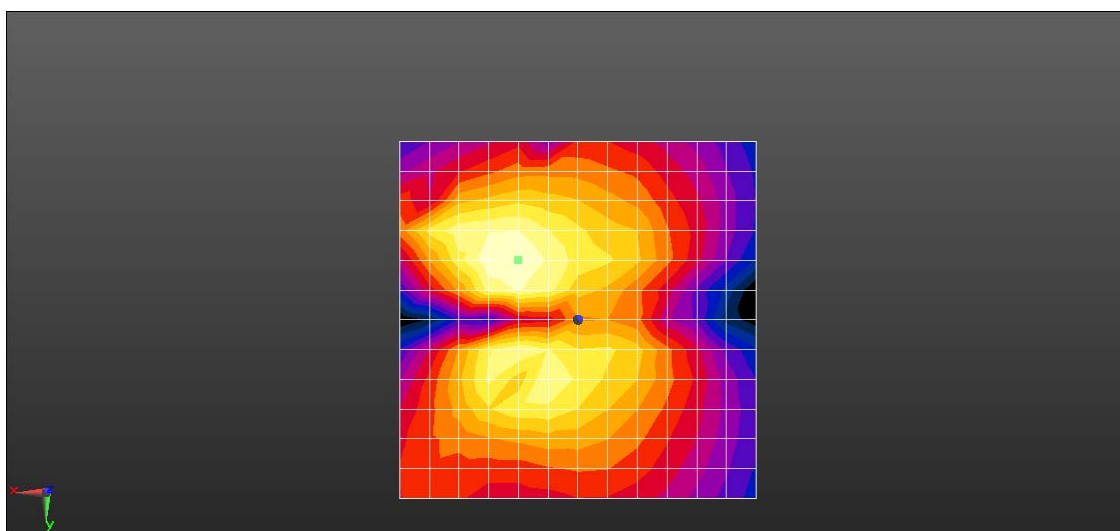
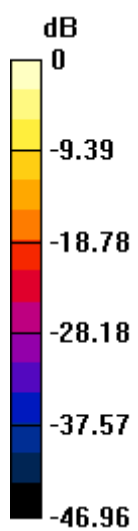
Cursor:

ABM1/ABM2 = 47.45 dB

ABM1 comp = 1.55 dBA/m

BWC Factor = 0.09 dB

Location: 8.3, -8.3, 3.7 mm



0 dB = 1.195 A/m = 1.55 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band II-9400CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.09 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.94 dBA/m

BWC Factor = 0.09 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.09 dB

Device Reference Point: 0, 0, -6.3 mm

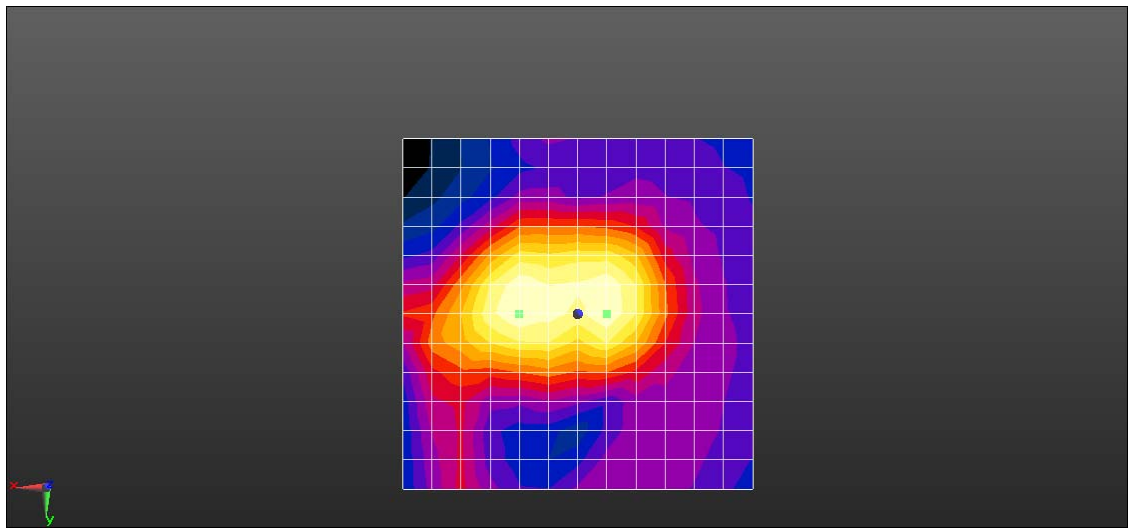
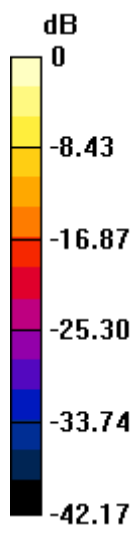
Cursor:

ABM1/ABM2 = 47.09 dB

ABM1 comp = -0.13 dBA/m

BWC Factor = 0.09 dB

Location: -4.2, 0, 3.7 mm



0 dB = 3.526 A/m = 10.95 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band II-9400CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.72 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -3.10 dBA/m

BWC Factor = 10.72 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.72 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.08 dB

ABM1 comp = -3.10 dBA/m

BWC Factor = 10.72 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.72 dB

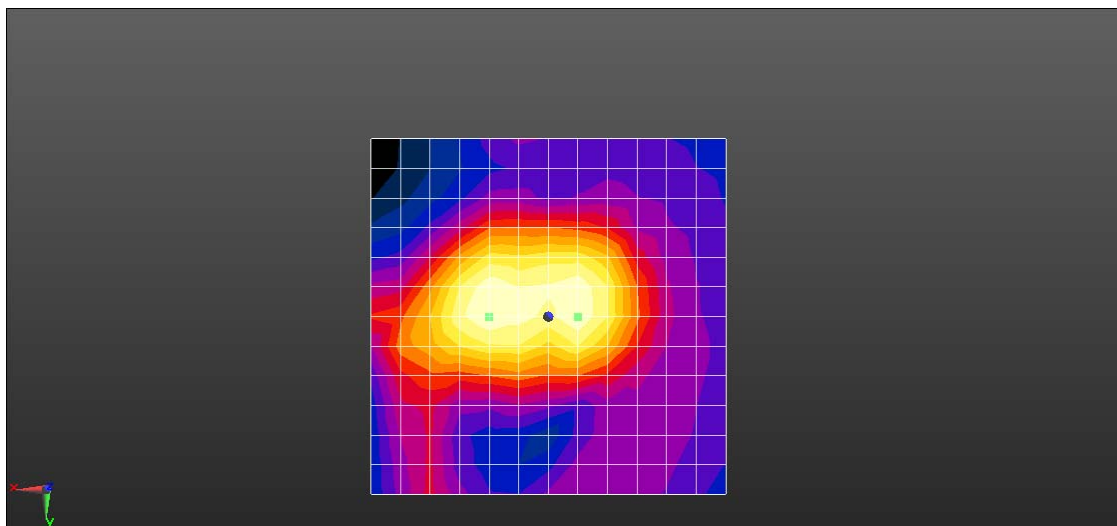
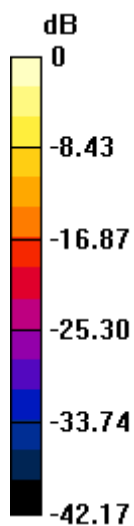
Device Reference Point: 0, 0, -6.3 mm

Cursor:

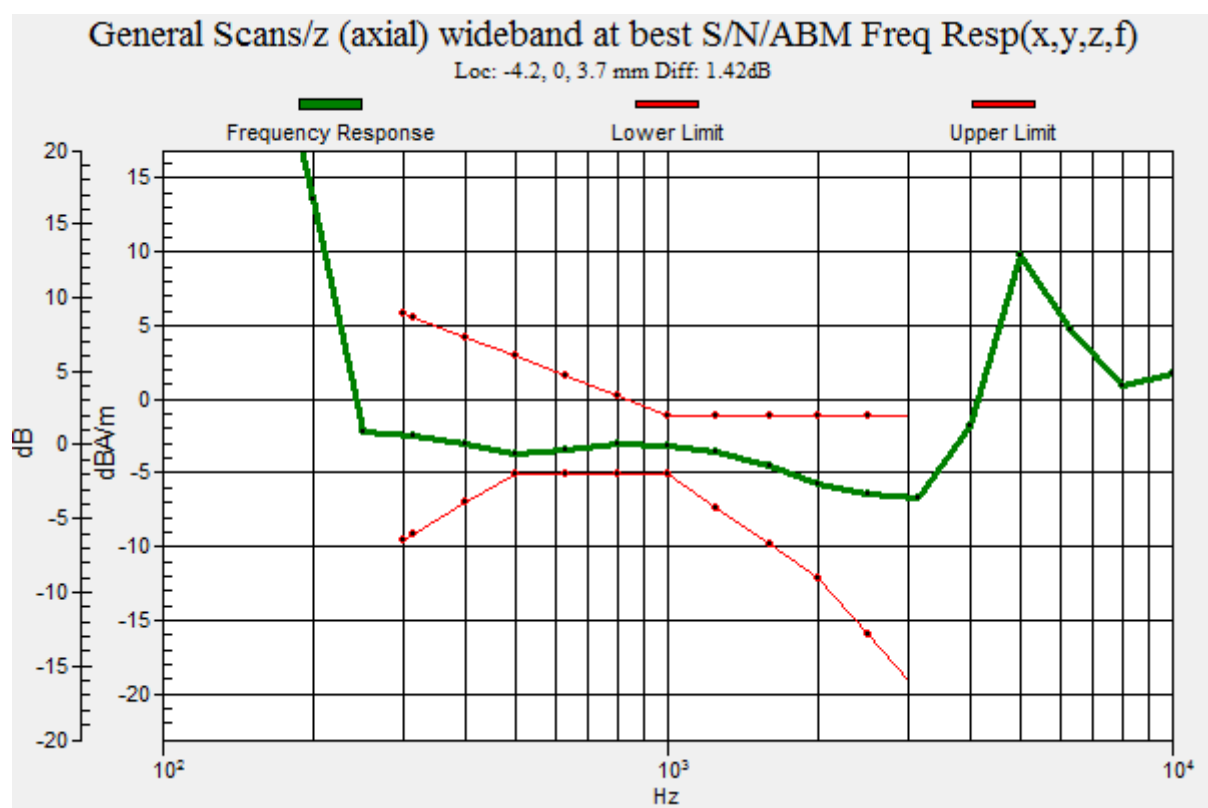
Diff = 1.42 dB

BWC Factor = 10.72 dB

Location: -4.2, 0, 3.7 mm



0 dB = 3.526 A/m = 10.95 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band II-9400CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 4.02 dBA/m

BWC Factor = 0.17 dB

Location: 12.5, 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

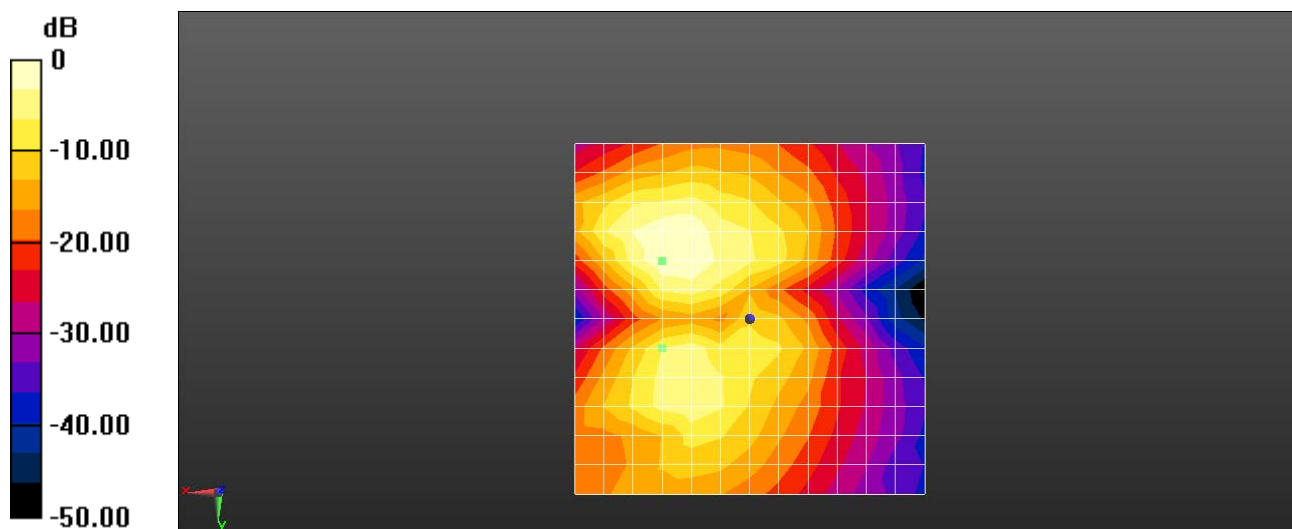
Cursor:

ABM1/ABM2 = 45.14 dB

ABM1 comp = 3.31 dBA/m

BWC Factor = 0.17 dB

Location: 12.5, -8.3, 3.7 mm



0 dB = 1.588 A/m = 4.02 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band II-9400CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.72 dBA/m

BWC Factor = 0.17 dB

Location: 12.5, 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

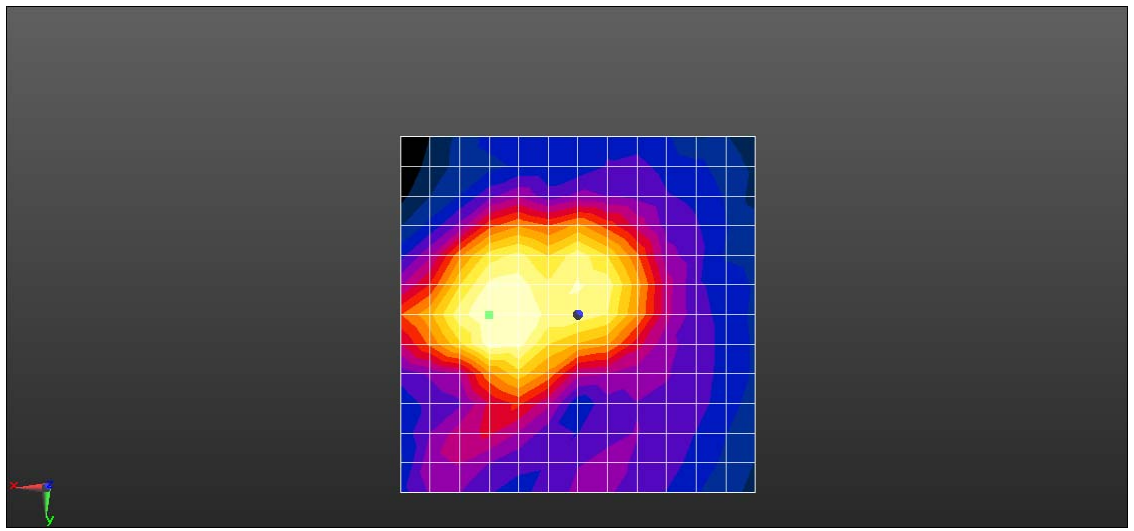
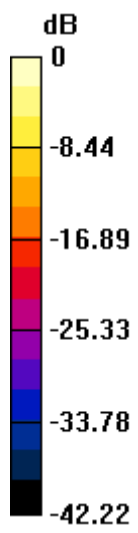
Cursor:

ABM1/ABM2 = 46.47 dB

ABM1 comp = 10.72 dBA/m

BWC Factor = 0.17 dB

Location: 12.5, 0, 3.7 mm



0 dB = 3.434 A/m = 10.72 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band II-9400CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 8.03 dBA/m

BWC Factor = 10.81 dB

Location: 12.5, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 44.65 dB

ABM1 comp = 8.03 dBA/m

BWC Factor = 10.81 dB

Location: 12.5, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

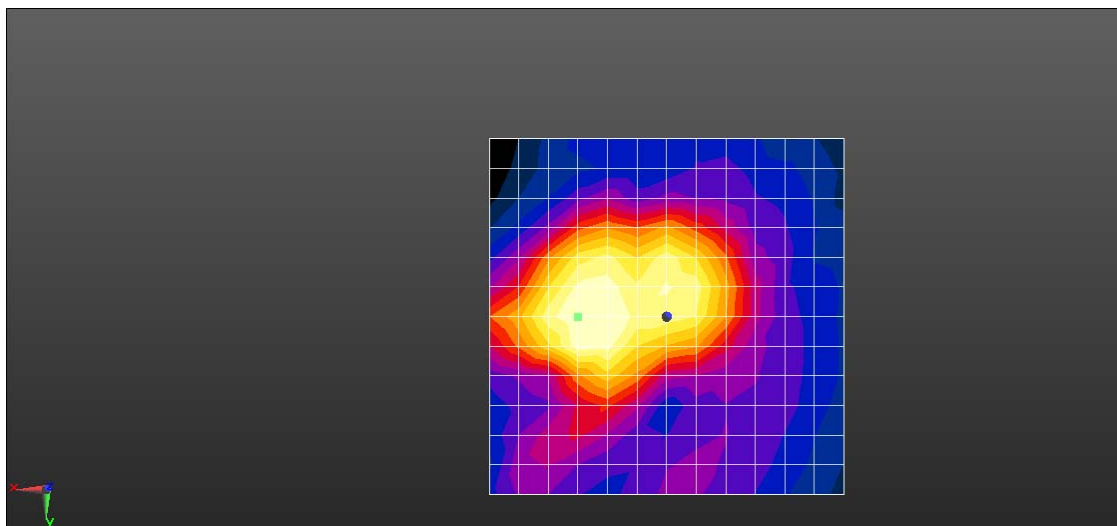
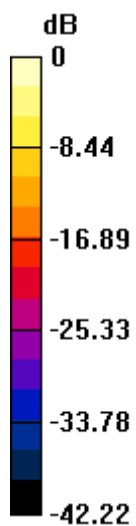
Device Reference Point: 0, 0, -6.3 mm

Cursor:

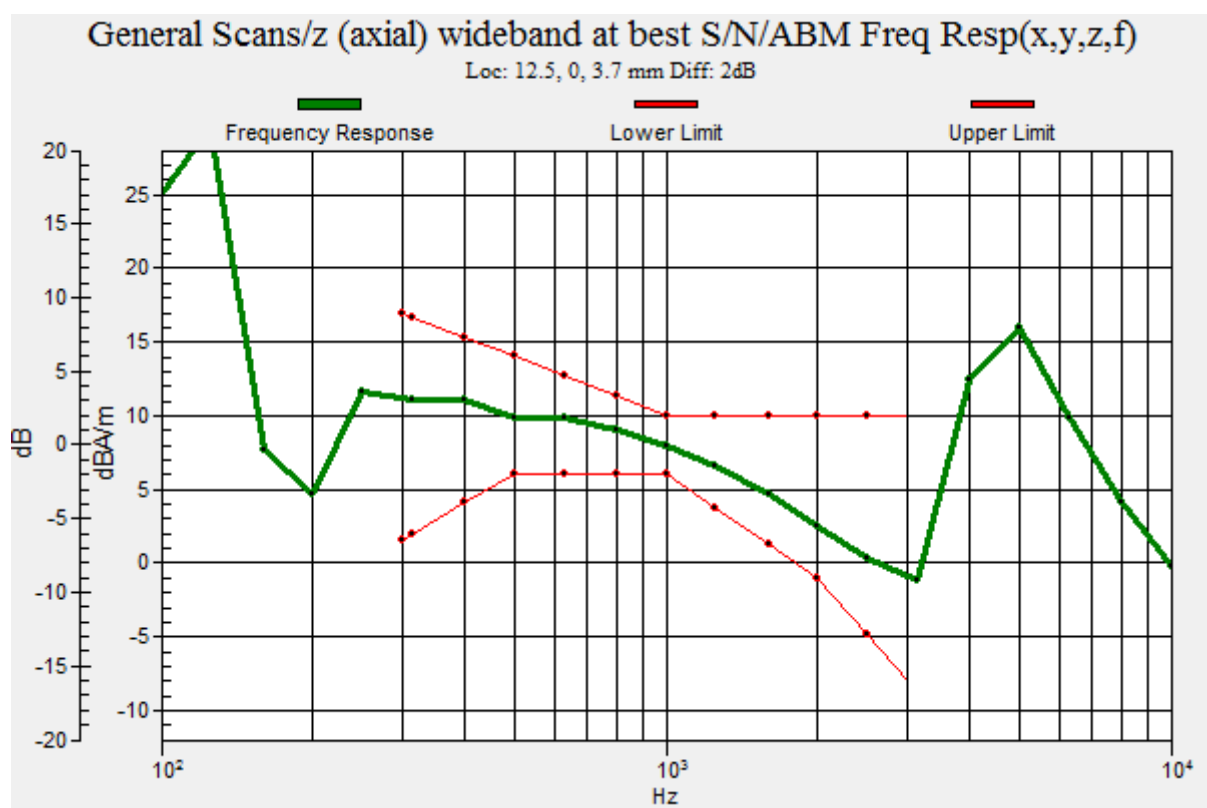
Diff = 2.00 dB

BWC Factor = 10.81 dB

Location: 12.5, 0, 3.7 mm



0 dB = 3.434 A/m = 10.72 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band IV-1413CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.38 dBA/m

BWC Factor = 0.13 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

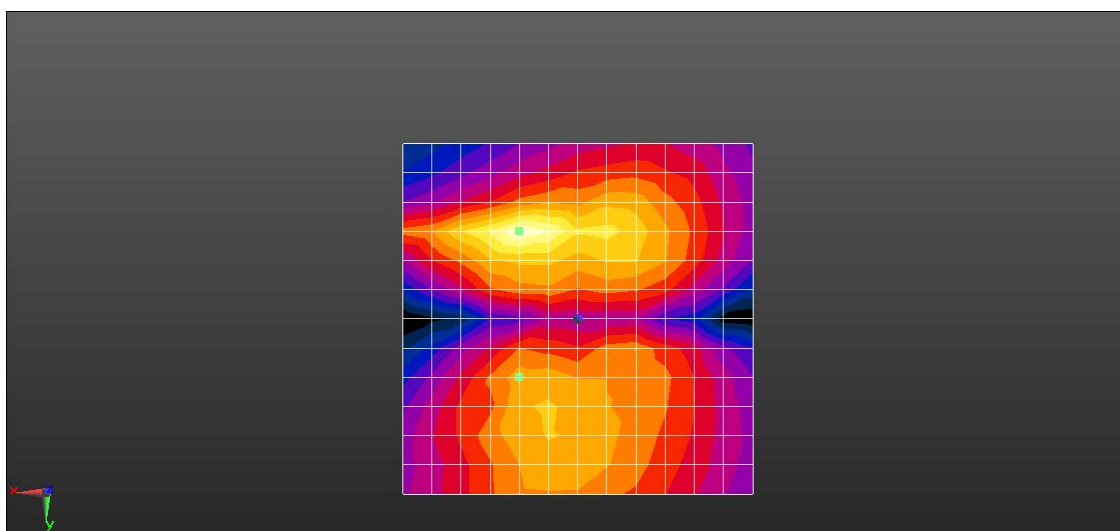
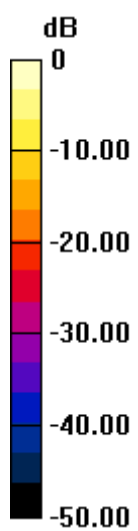
Cursor:

ABM1/ABM2 = 43.71 dB

ABM1 comp = -2.63 dBA/m

BWC Factor = 0.13 dB

Location: 8.3, -12.5, 3.7 mm



0 dB = 1.172 A/m = 1.38 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band IV-1413CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.47 dBA/m

BWC Factor = 0.13 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

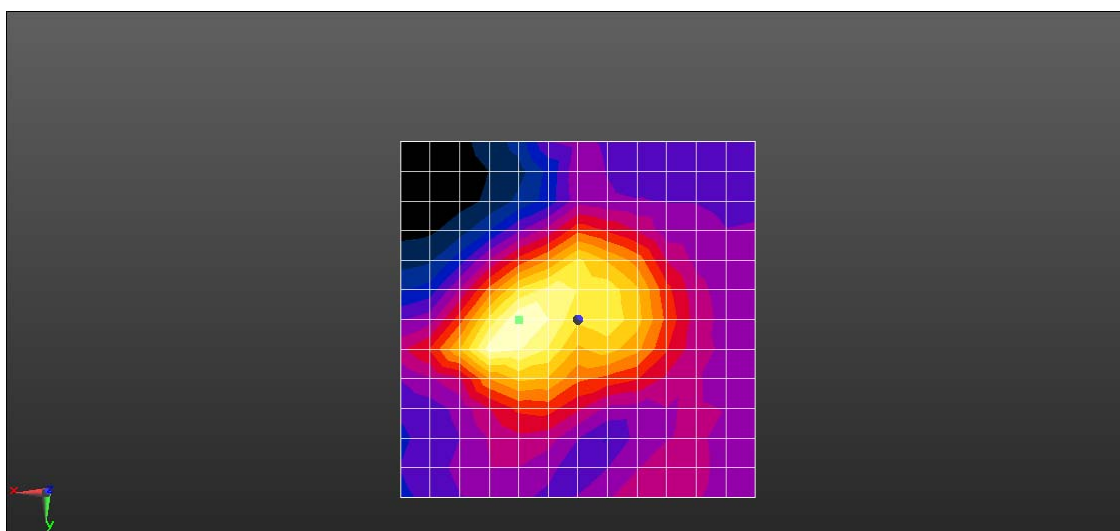
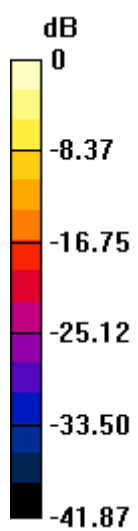
Cursor:

ABM1/ABM2 = 45.54 dB

ABM1 comp = 10.47 dBA/m

BWC Factor = 0.13 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.337 A/m = 10.47 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band IV-1413CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.14 dBA/m

BWC Factor = 10.77 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 41.09 dB

ABM1 comp = 6.14 dBA/m

BWC Factor = 10.77 dB

Location: 8.3, 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: 87.88

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

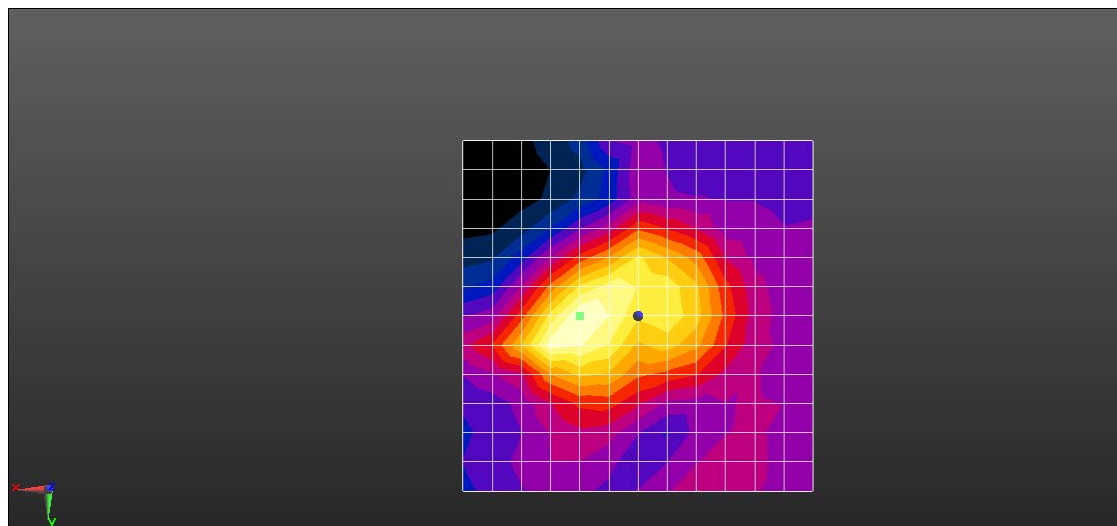
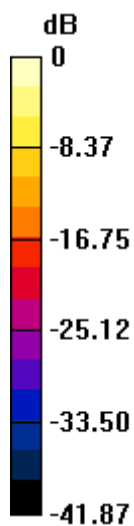
Device Reference Point: 0, 0, -6.3 mm

Cursor:

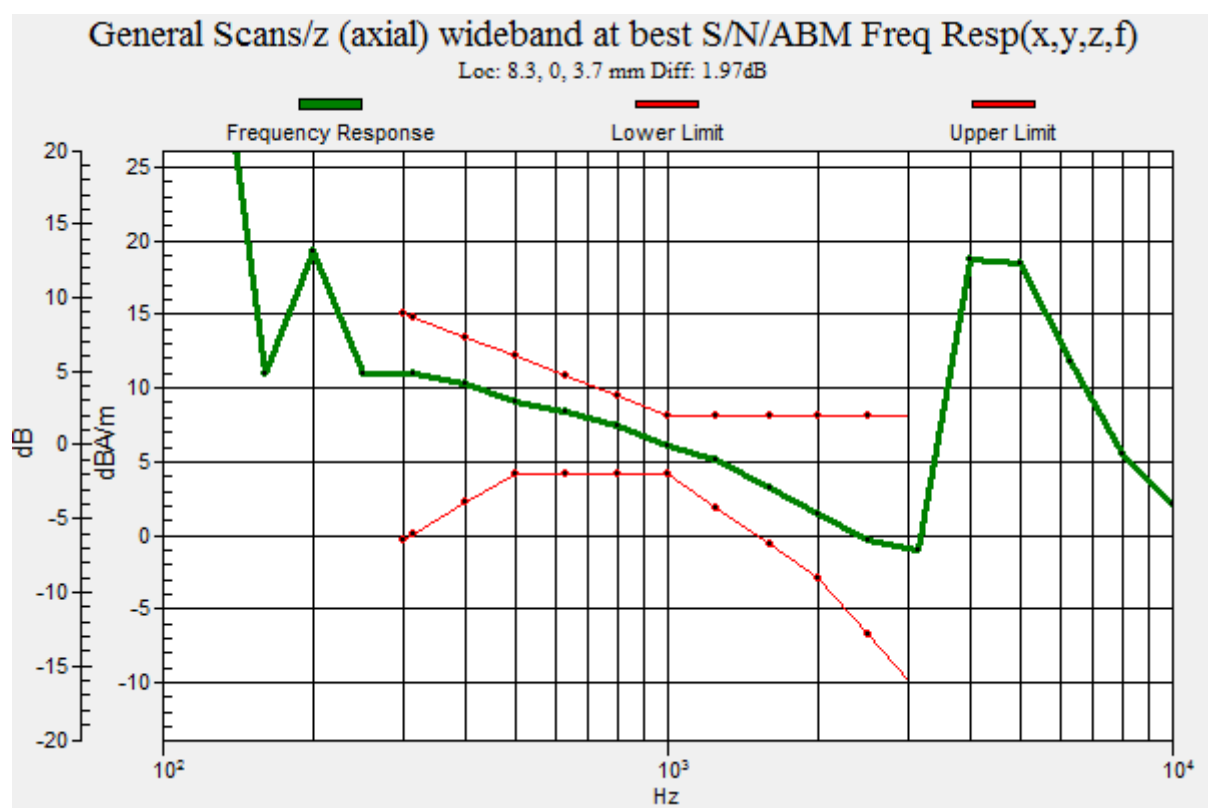
Diff = 1.97 dB

BWC Factor = 10.77 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.337 A/m = 10.47 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band IV-1413CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.61 dBA/m

BWC Factor = 0.13 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

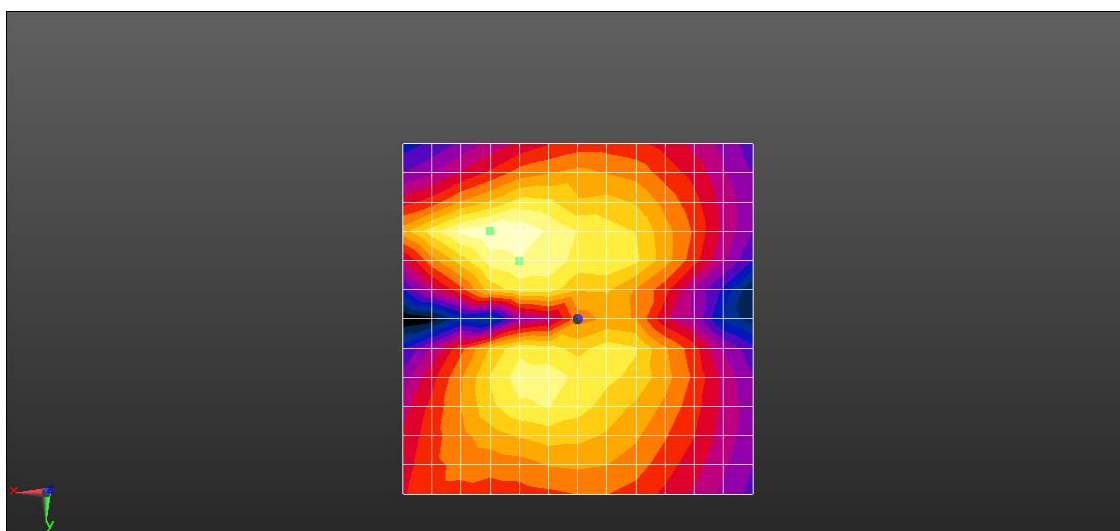
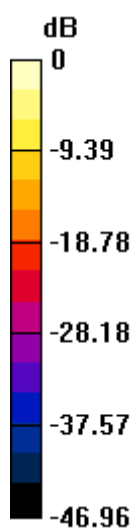
Cursor:

ABM1/ABM2 = 43.74 dB

ABM1 comp = -2.40 dBA/m

BWC Factor = 0.13 dB

Location: 12.5, -12.5, 3.7 mm



0 dB = 1.204 A/m = 1.61 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band IV-1413CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.73 dBA/m

BWC Factor = 0.13 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.13 dB

Device Reference Point: 0, 0, -6.3 mm

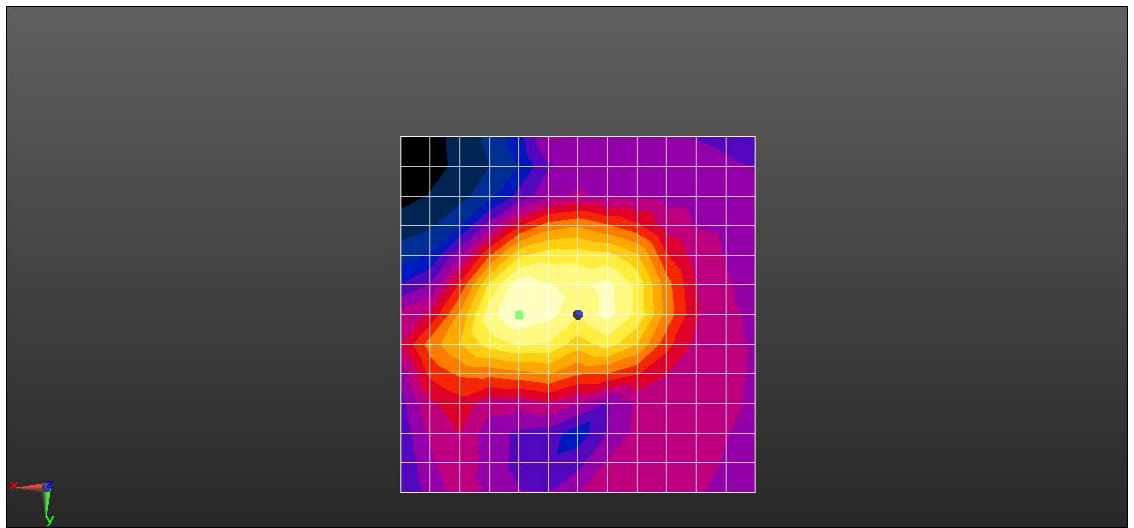
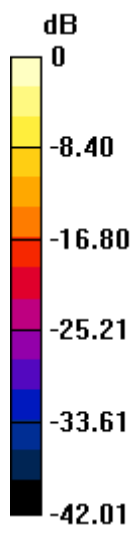
Cursor:

ABM1/ABM2 = 46.07 dB

ABM1 comp = 10.73 dBA/m

BWC Factor = 0.13 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.441 A/m = 10.73 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band IV-1413CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 7.54 dBA/m

BWC Factor = 10.77 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.20 dB

ABM1 comp = 7.54 dBA/m

BWC Factor = 10.77 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.77 dB

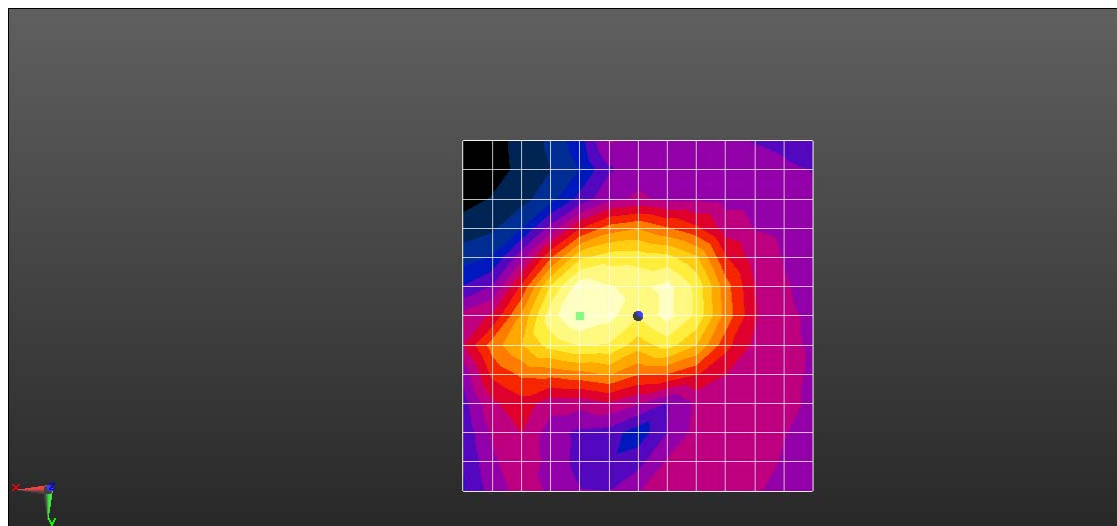
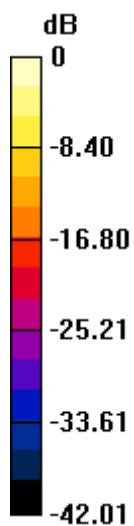
Device Reference Point: 0, 0, -6.3 mm

Cursor:

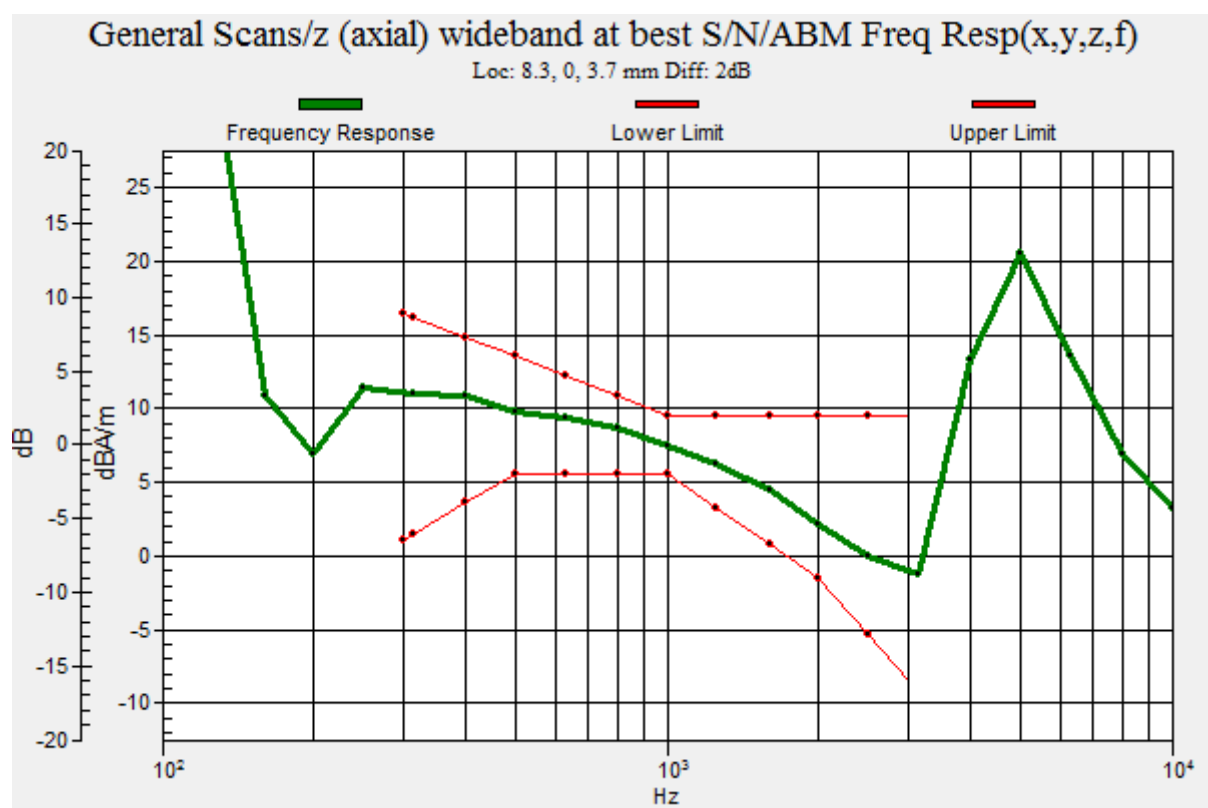
Diff = 2.00 dB

BWC Factor = 10.77 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.441 A/m = 10.73 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band IV-1413CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.97 dBA/m

BWC Factor = 0.15 dB

Location: 12.5, 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

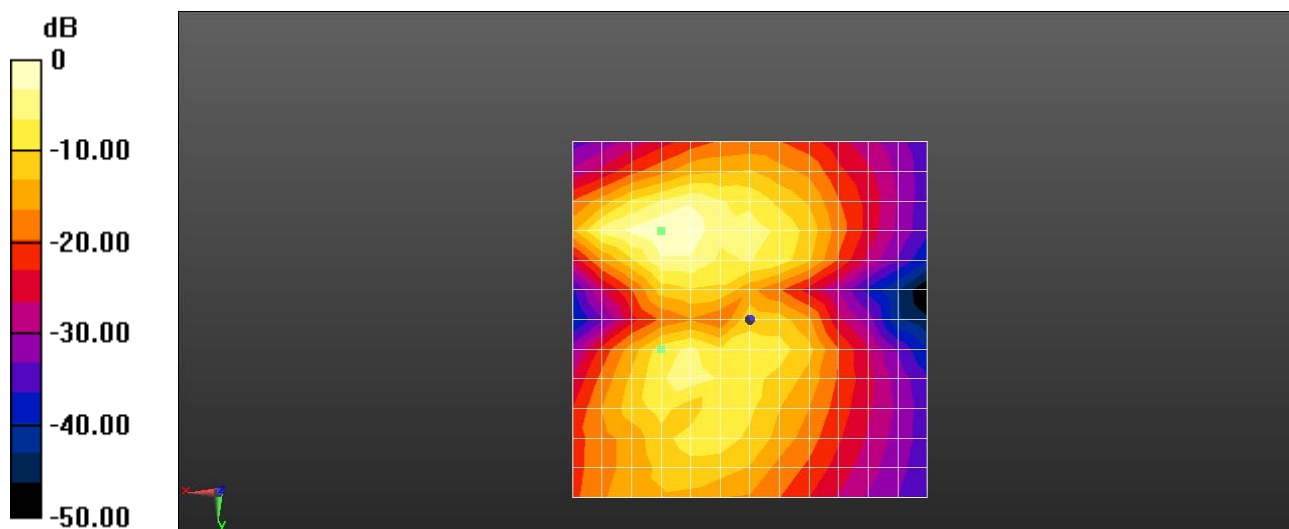
Cursor:

ABM1/ABM2 = 42.29 dB

ABM1 comp = 0.30 dBA/m

BWC Factor = 0.15 dB

Location: 12.5, -12.5, 3.7 mm



0 dB = 1.579 A/m = 3.97 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band IV-1413CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.98 dBA/m

BWC Factor = 0.15 dB

Location: 12.5, 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.15 dB

Device Reference Point: 0, 0, -6.3 mm

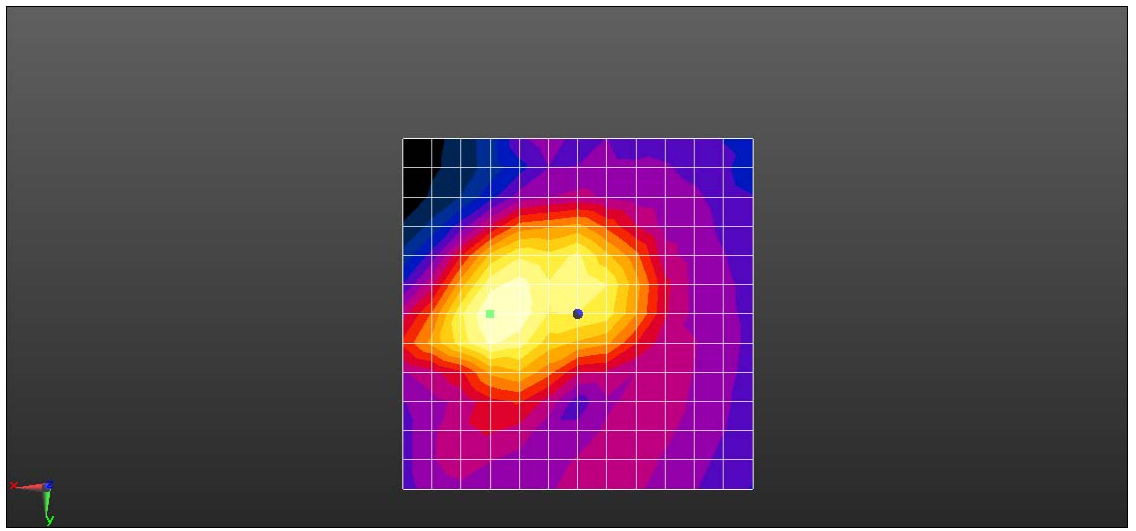
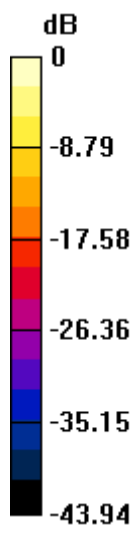
Cursor:

ABM1/ABM2 = 46.23 dB

ABM1 comp = 10.98 dBA/m

BWC Factor = 0.15 dB

Location: 12.5, 0, 3.7 mm



0 dB = 3.541 A/m = 10.98 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band IV-1413CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 7.98 dBA/m

BWC Factor = 10.78 dB

Location: 12.5, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.82 dB

ABM1 comp = 7.98 dBA/m

BWC Factor = 10.78 dB

Location: 12.5, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

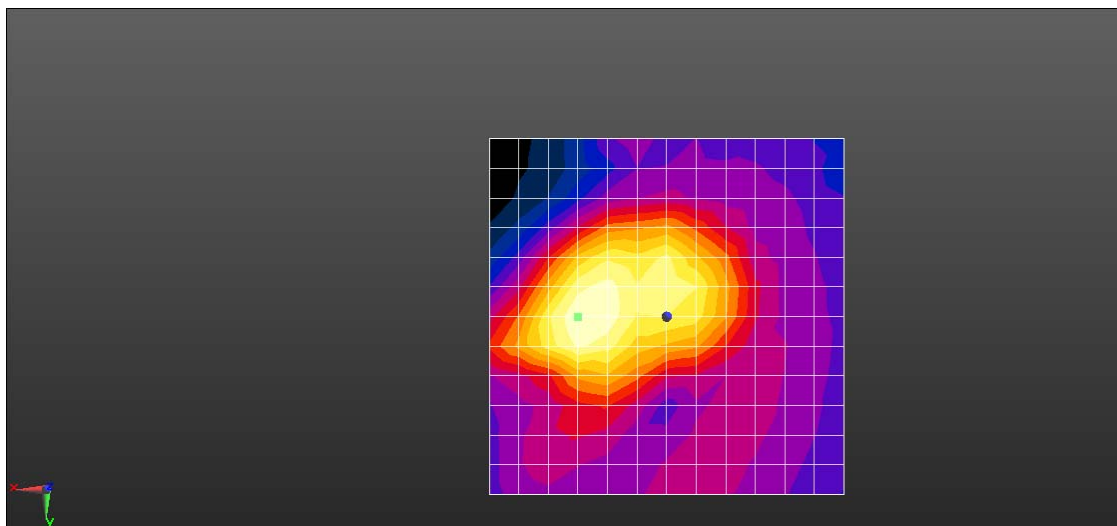
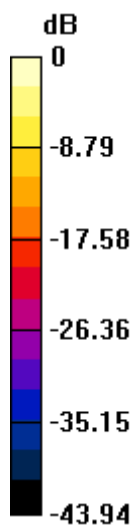
Device Reference Point: 0, 0, -6.3 mm

Cursor:

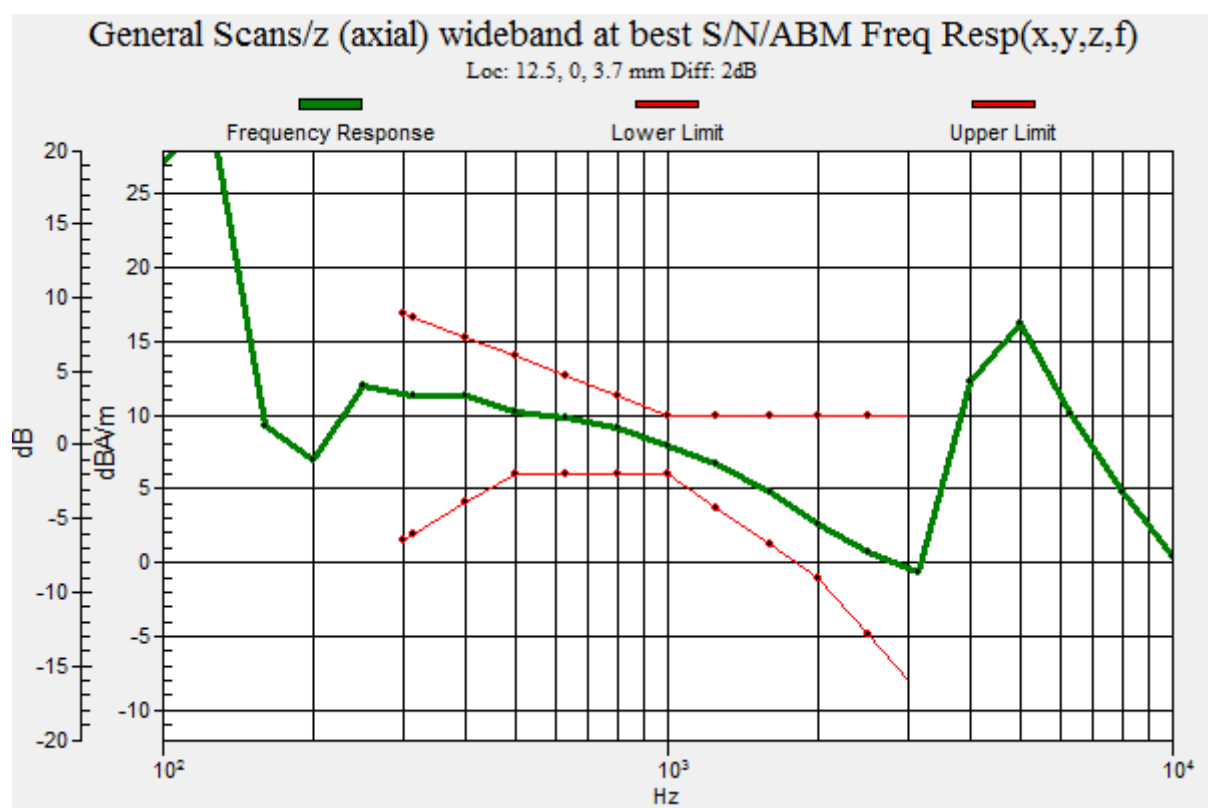
Diff = 2.00 dB

BWC Factor = 10.78 dB

Location: 12.5, 0, 3.7 mm



0 dB = 3.541 A/m = 10.98 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 0.82 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/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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

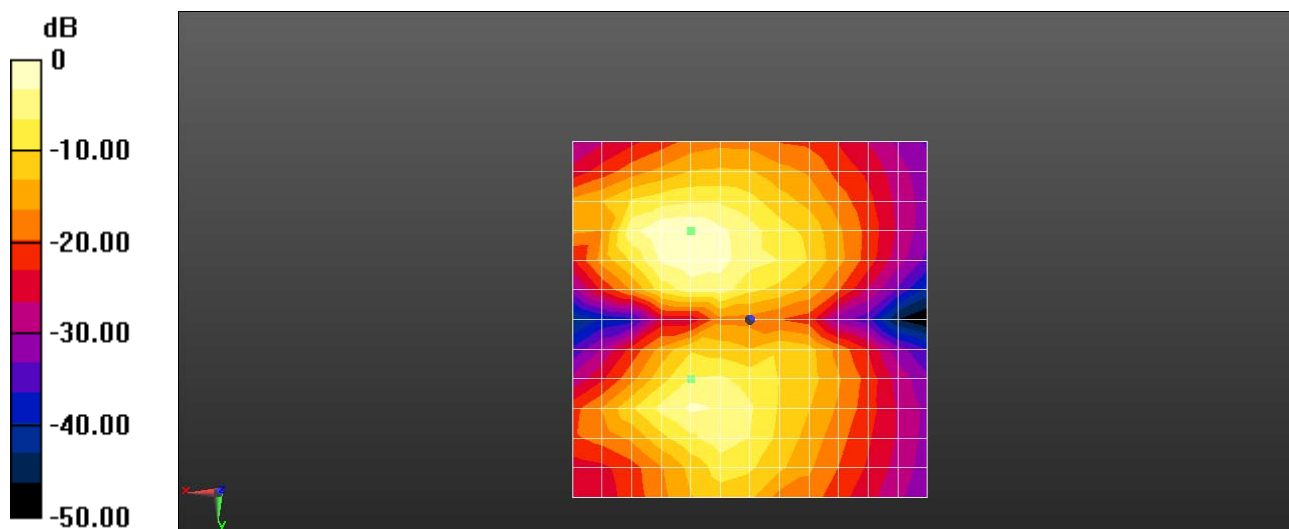
Cursor:

ABM1/ABM2 = 44.18 dB

ABM1 comp = -2.89 dBA/m

BWC Factor = 0.14 dB

Location: 8.3, -12.5, 3.7 mm



0 dB = 1.100 A/m = 0.83 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.90 dBA/m

BWC Factor = 0.14 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.14 dB

Device Reference Point: 0, 0, -6.3 mm

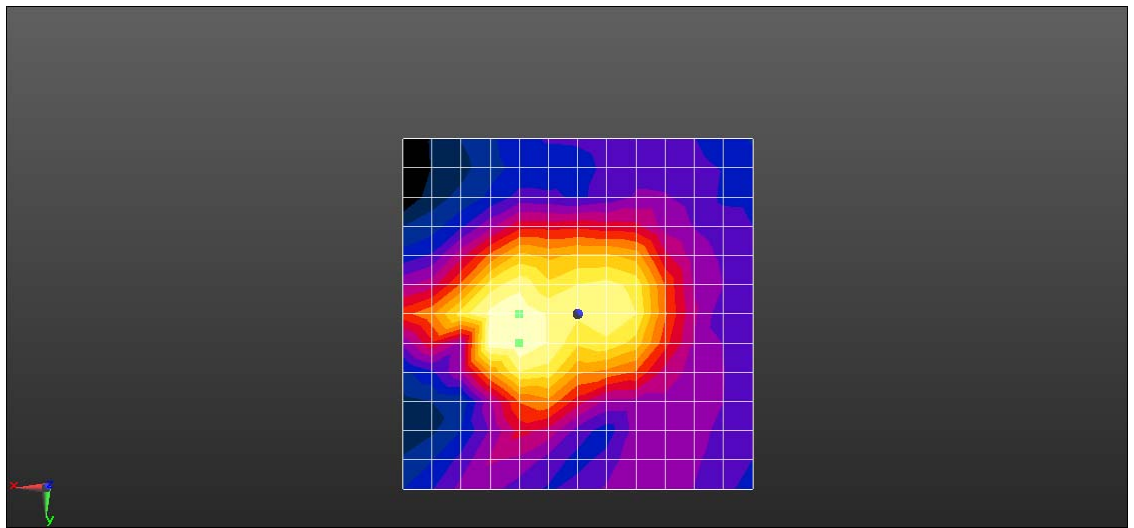
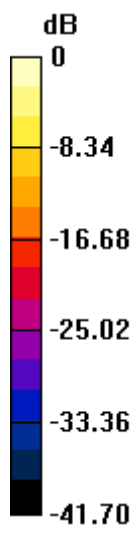
Cursor:

ABM1/ABM2 = 46.47 dB

ABM1 comp = 7.80 dBA/m

BWC Factor = 0.14 dB

Location: 8.3, 4.2, 3.7 mm



0 dB = 3.125 A/m = 9.90 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 1-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 4.45 dBA/m

BWC Factor = 10.78 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 45.84 dB

ABM1 comp = 4.45 dBA/m

BWC Factor = 10.78 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.78 dB

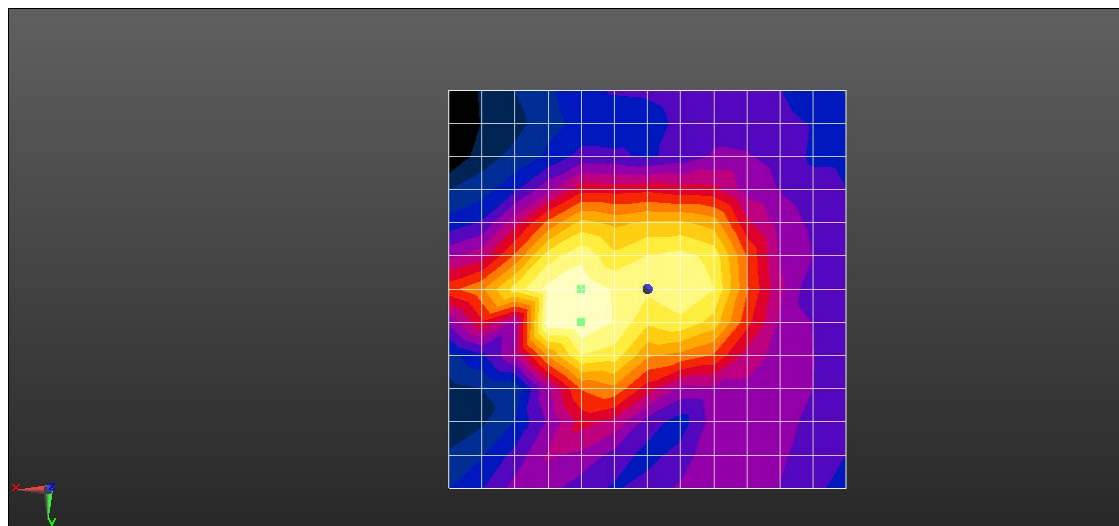
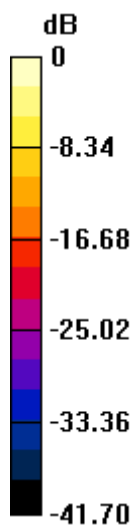
Device Reference Point: 0, 0, -6.3 mm

Cursor:

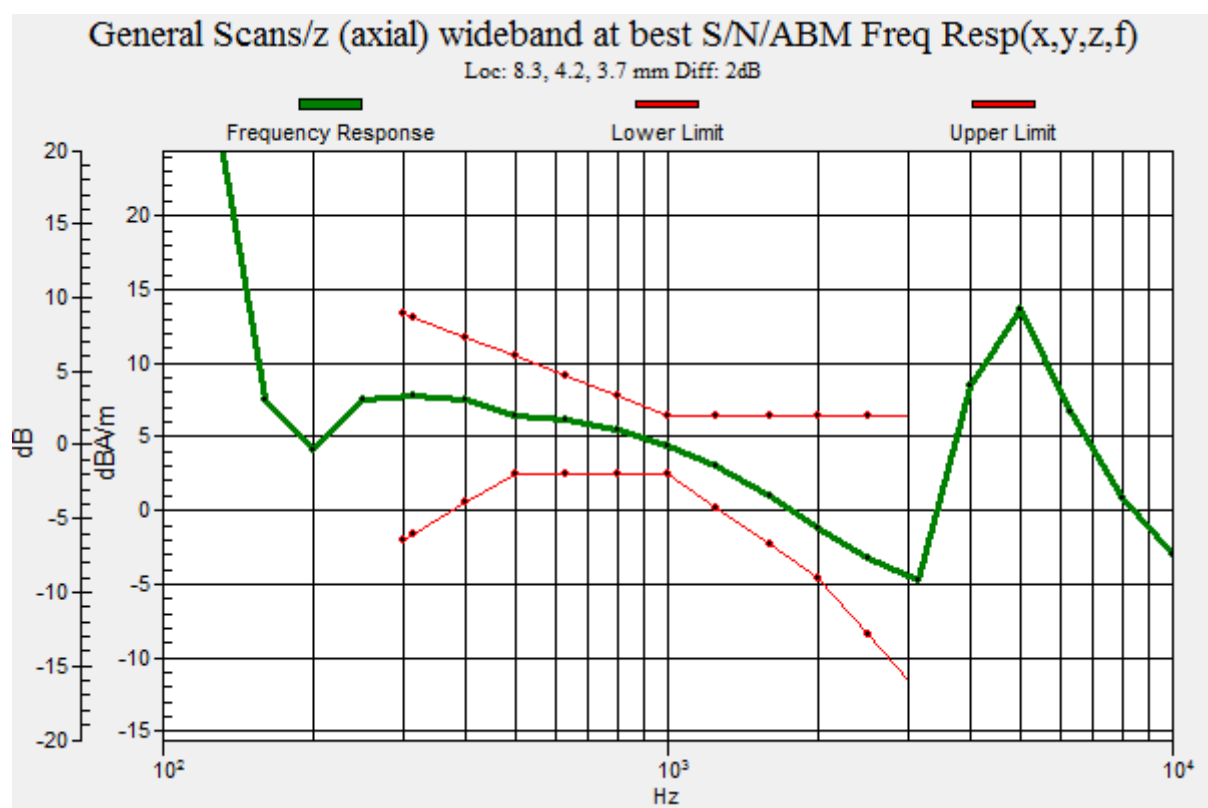
Diff = 2.00 dB

BWC Factor = 10.78 dB

Location: 8.3, 4.2, 3.7 mm



0 dB = 3.125 A/m = 9.90 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.07 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.56 dBA/m

BWC Factor = 0.07 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.07 dB

Device Reference Point: 0, 0, -6.3 mm

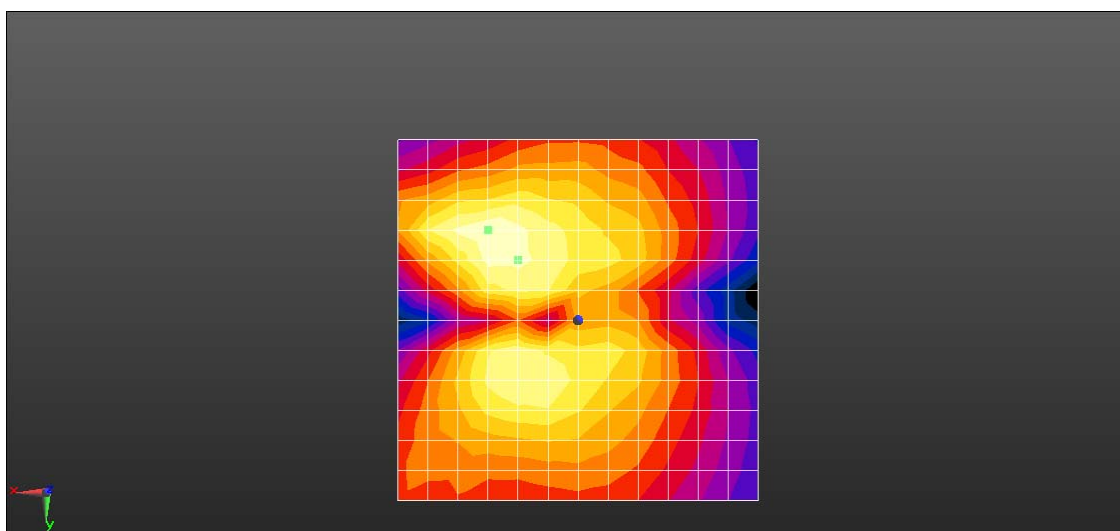
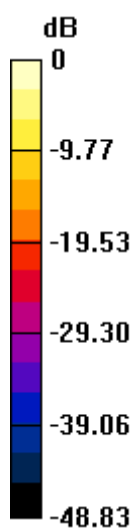
Cursor:

ABM1/ABM2 = 44.36 dB

ABM1 comp = -1.89 dBA/m

BWC Factor = 0.07 dB

Location: 12.5, -12.5, 3.7 mm



0 dB = 1.196 A/m = 1.55 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.07 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.63 dBA/m

BWC Factor = 0.07 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.07 dB

Device Reference Point: 0, 0, -6.3 mm

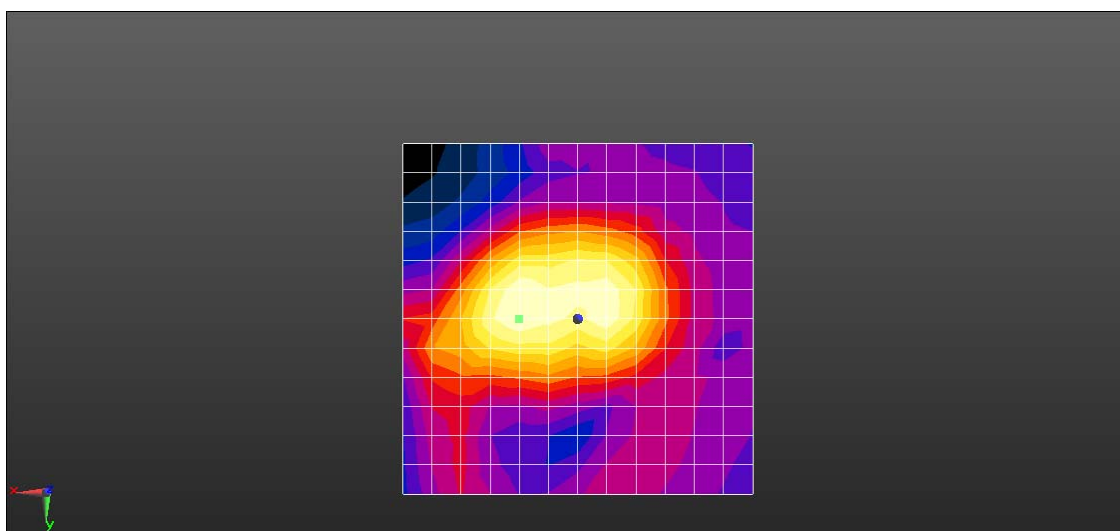
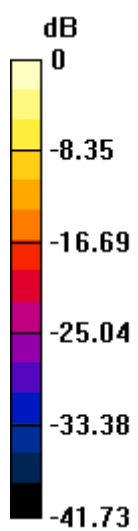
Cursor:

ABM1/ABM2 = 46.35 dB

ABM1 comp = 10.63 dBA/m

BWC Factor = 0.07 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.399 A/m = 10.63 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 2-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.70 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 7.40 dBA/m

BWC Factor = 10.70 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.70 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 42.63 dB

ABM1 comp = 7.40 dBA/m

BWC Factor = 10.70 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.70 dB

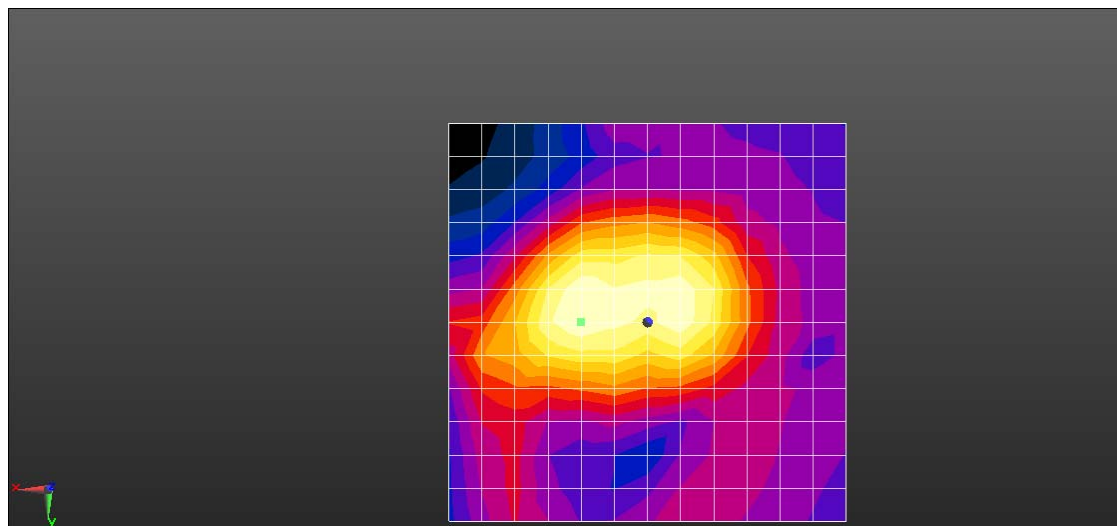
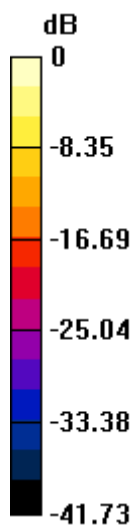
Device Reference Point: 0, 0, -6.3 mm

Cursor:

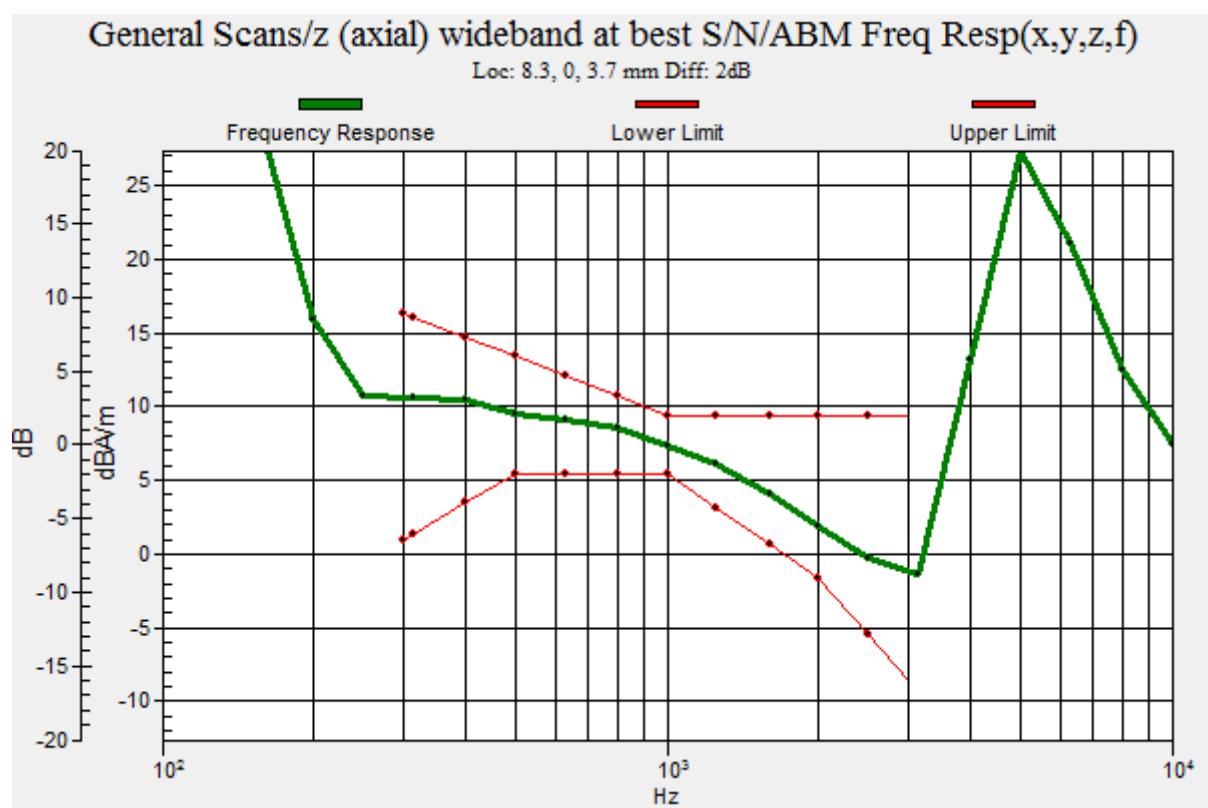
Diff = 2.00 dB

BWC Factor = 10.70 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.399 A/m = 10.63 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 0.43 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

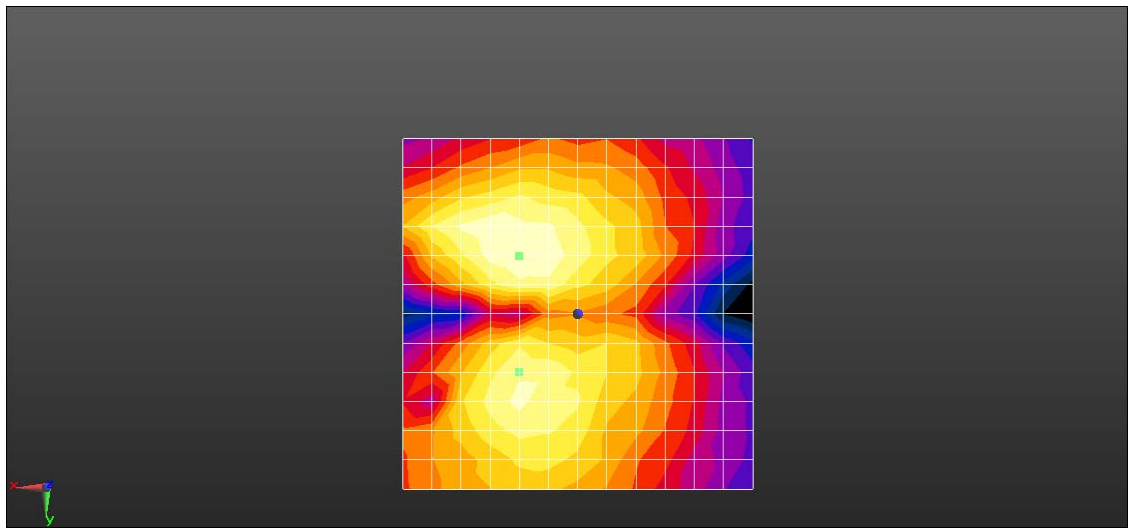
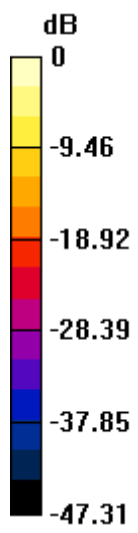
Cursor:

ABM1/ABM2 = 41.12 dB

ABM1 comp = 0.08 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -8.3, 3.7 mm



0 dB = 1.051 A/m = 0.43 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.86 dBA/m

BWC Factor = 0.16 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: 36.73

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

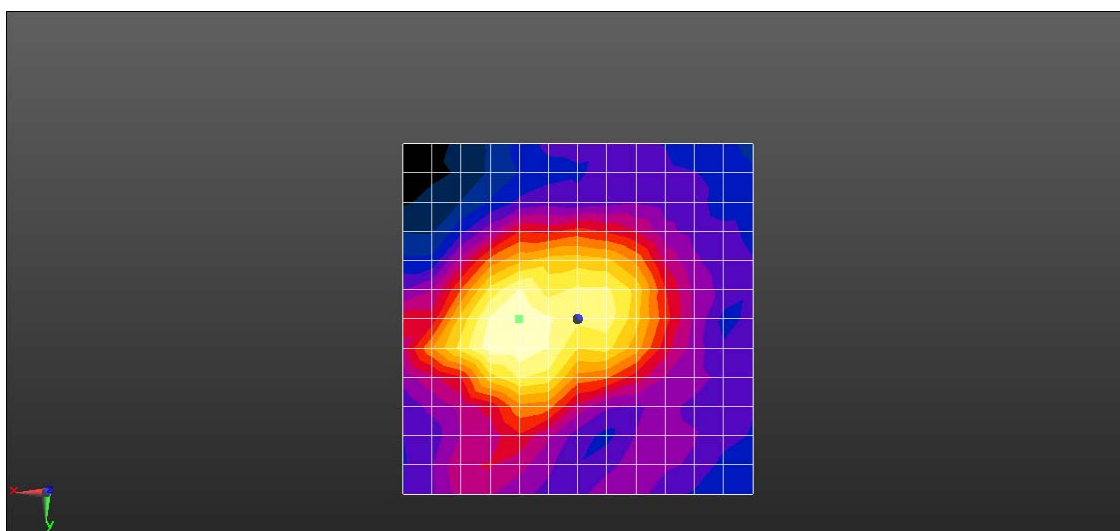
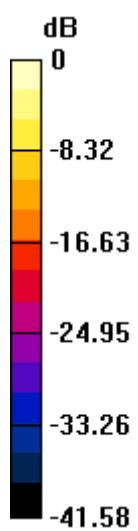
Cursor:

ABM1/ABM2 = 45.79 dB

ABM1 comp = 9.86 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.112 A/m = 9.86 dBA/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC-T-Coil-FRD-L04-UMTS Band V-4182CH with Battery 3-Main Antenna

DUT: FRD-L04; 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:

- ι Probe: AM1DV3 - 3126; ; Calibrated: 2015-7-16
- ι Sensor-Surface: 0mm (Fix Surface), z = 3.0
- ι Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ι Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ι 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.46 dBA/m

BWC Factor = 10.80 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 43.11 dB

ABM1 comp = 6.46 dBA/m

BWC Factor = 10.80 dB

Location: 8.3, 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: 71.93

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

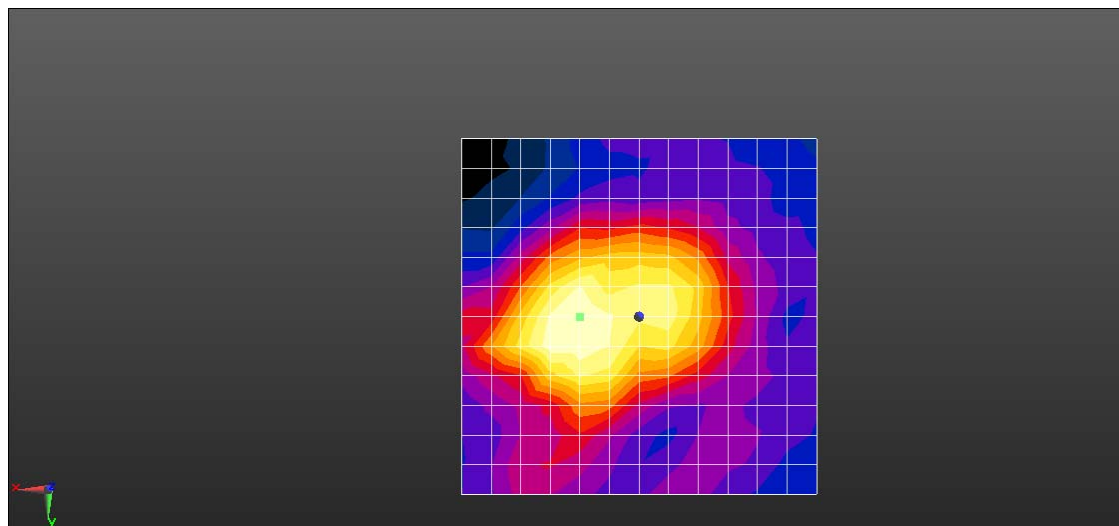
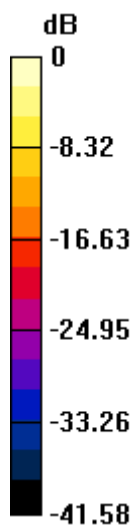
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 2.00 dB

BWC Factor = 10.80 dB

Location: 8.3, 0, 3.7 mm



0 dB = 3.112 A/m = 9.86 dBA/m

