

Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM850 190CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.08 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.62 dBA/m

BWC Factor = 0.08 dB

Location: 8.3, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.08 dB

Device Reference Point: 0, 0, -6.3 mm

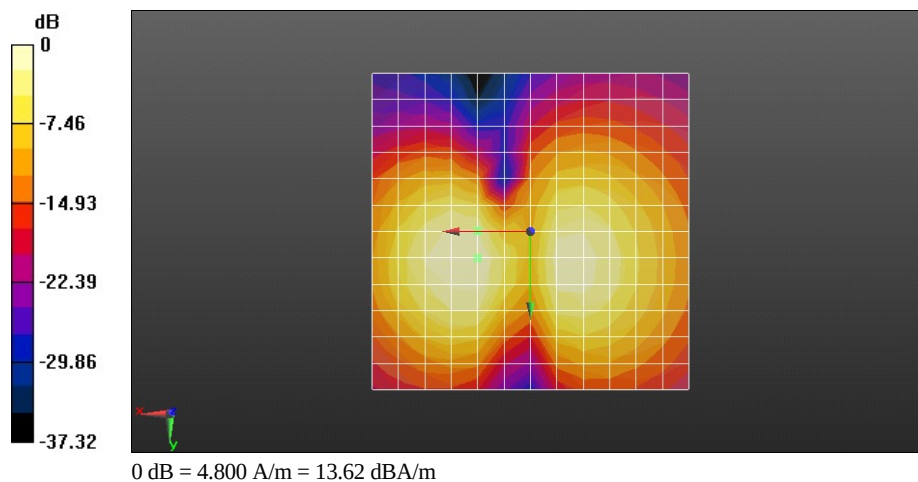
Cursor:

ABM1/ABM2 = 31.56 dB

ABM1 comp = 11.44 dBA/m

BWC Factor = 0.08 dB

Location: 8.3, 0, 3.7 mm



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Y301-A1-HAC(T-Coil)_GSM850 190CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.08 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.93 dBA/m

BWC Factor = 0.08 dB

Location: 12.5, -4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.08 dB

Device Reference Point: 0, 0, -6.3 mm

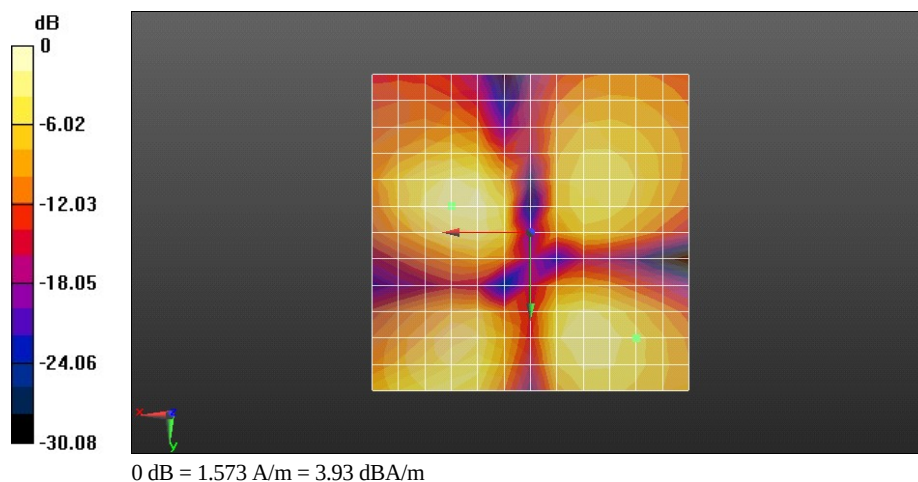
Cursor:

ABM1/ABM2 = 34.94 dB

ABM1 comp = -1.10 dBA/m

BWC Factor = 0.08 dB

Location: -16.7, 16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM850 190CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.08 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 12.96 dBA/m

BWC Factor = 0.08 dB

Location: 0, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.08 dB

Device Reference Point: 0, 0, -6.3 mm

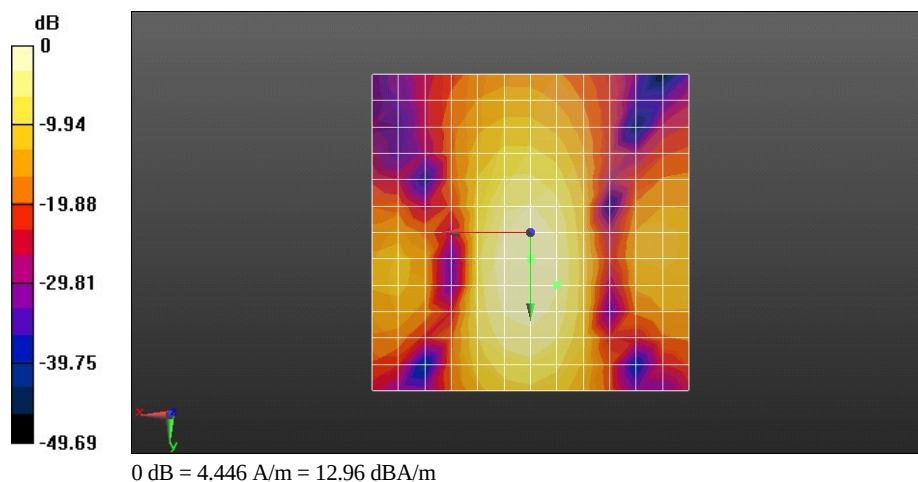
Cursor:

ABM1/ABM2 = 34.64 dB

ABM1 comp = 9.99 dBA/m

BWC Factor = 0.08 dB

Location: -4.2, 8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM850 190CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.71 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.93 dBA/m

BWC Factor = 10.71 dB

Location: 8.3, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.71 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 27.09 dB

ABM1 comp = 6.93 dBA/m

BWC Factor = 10.71 dB

Location: 8.3, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.71 dB

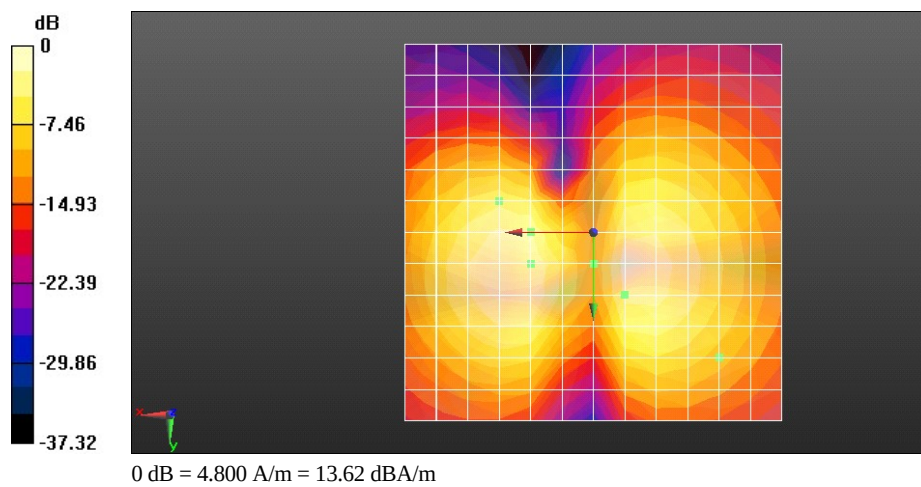
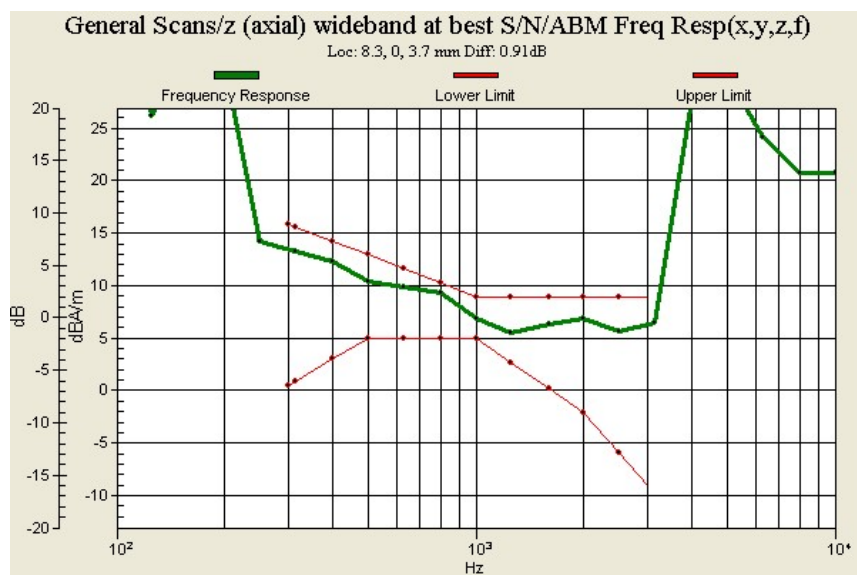
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 0.91 dB

BWC Factor = 10.71 dB

Location: 8.3, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM1900 661CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.32 dBA/m

BWC Factor = 0.17 dB

Location: 8.3, 8.3, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

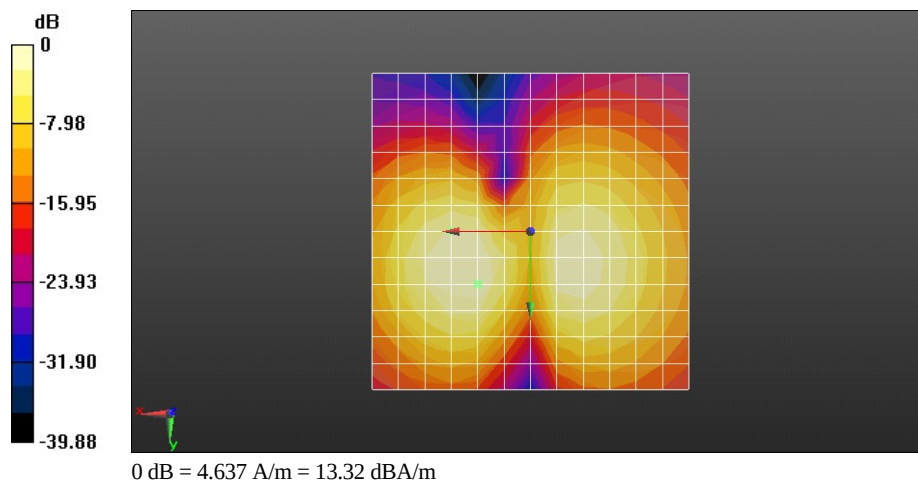
Cursor:

ABM1/ABM2 = 33.06 dB

ABM1 comp = 11.16 dBA/m

BWC Factor = 0.17 dB

Location: 12.5, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM1900 661CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.42 dBA/m

BWC Factor = 0.17 dB

Location: 12.5, -4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

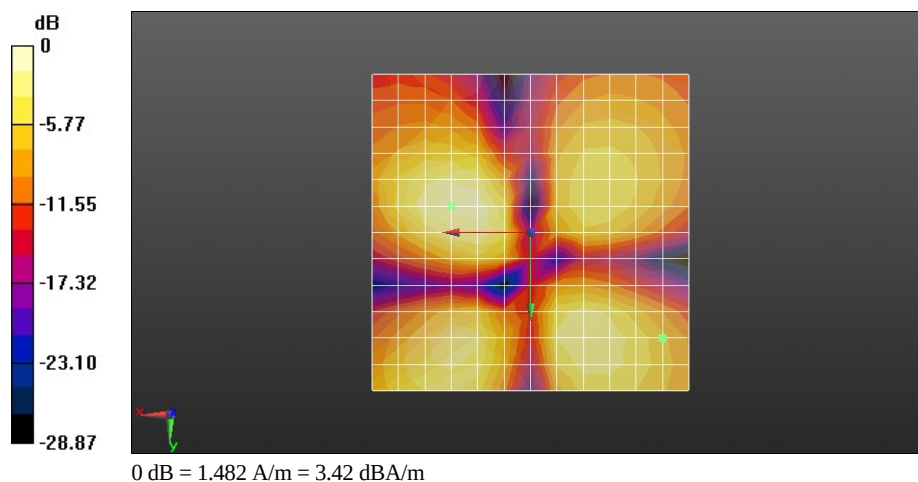
Cursor:

ABM1/ABM2 = 35.01 dB

ABM1 comp = -3.66 dBA/m

BWC Factor = 0.17 dB

Location: -20.8, 16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM1900 661CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 12.70 dBA/m

BWC Factor = 0.17 dB

Location: 0, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

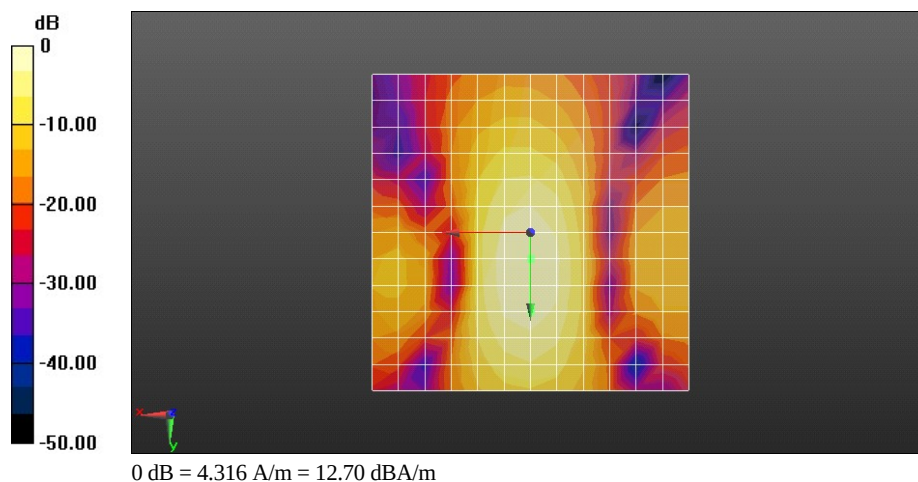
Cursor:

ABM1/ABM2 = 35.16 dB

ABM1 comp = 11.24 dBA/m

BWC Factor = 0.17 dB

Location: 0, 12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM1900 661CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.87 dBA/m

BWC Factor = 10.81 dB

Location: 12.5, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 28.82 dB

ABM1 comp = 6.87 dBA/m

BWC Factor = 10.81 dB

Location: 12.5, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

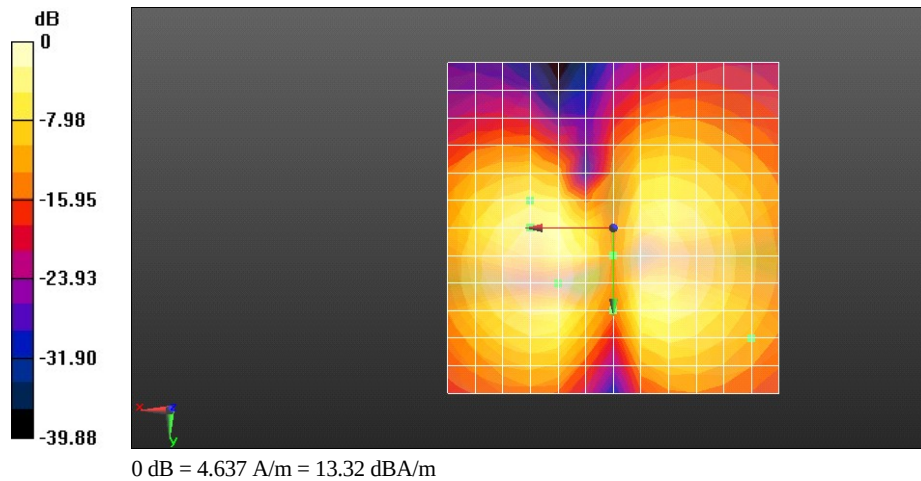
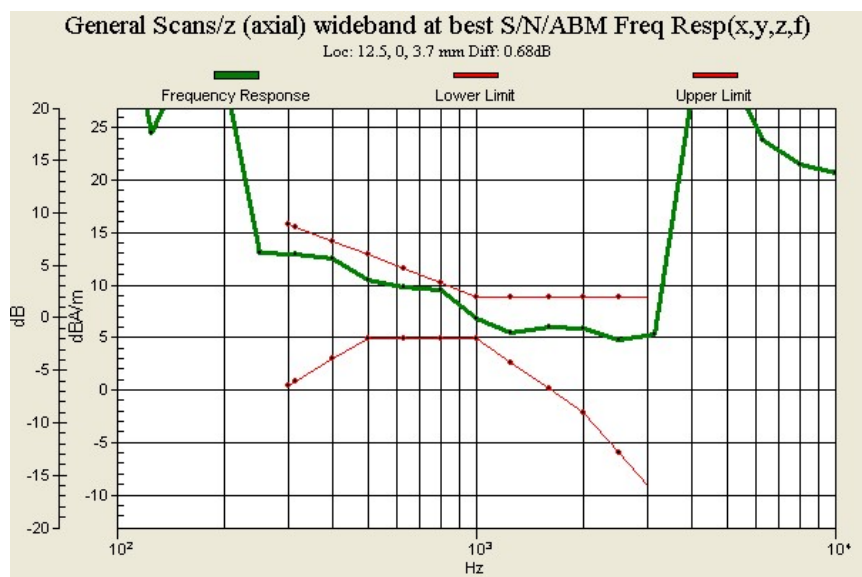
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 0.68 dB

BWC Factor = 10.81 dB

Location: 12.5, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band II 9400CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.46 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.86 dBA/m

BWC Factor = 0.46 dB

Location: 8.3, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.46 dB

Device Reference Point: 0, 0, -6.3 mm

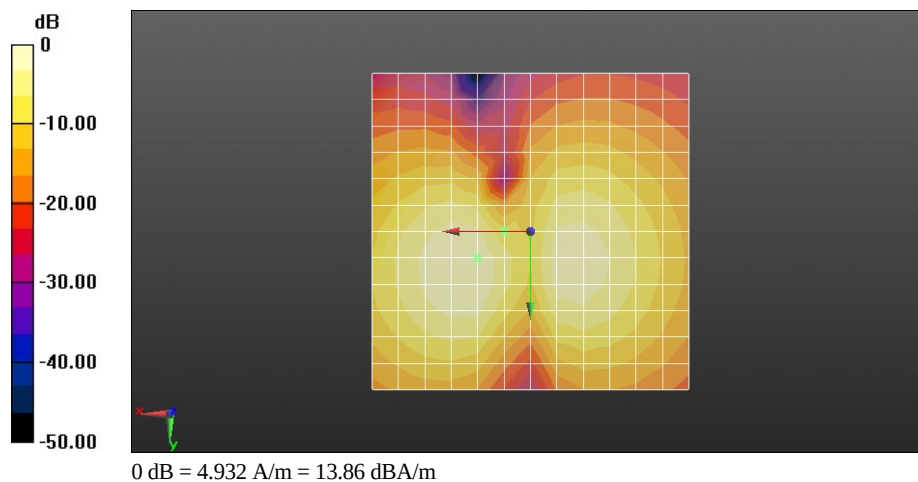
Cursor:

ABM1/ABM2 = 36.88 dB

ABM1 comp = 4.96 dBA/m

BWC Factor = 0.46 dB

Location: 4.2, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band II 9400CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/y (transversal) 4.2mm 50 x 50/ABM Signal(x,y,z)

(13x13x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.46 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 4.23 dBA/m

BWC Factor = 0.46 dB

Location: 12.5, -4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z)

(13x13x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.46 dB

Device Reference Point: 0, 0, -6.3 mm

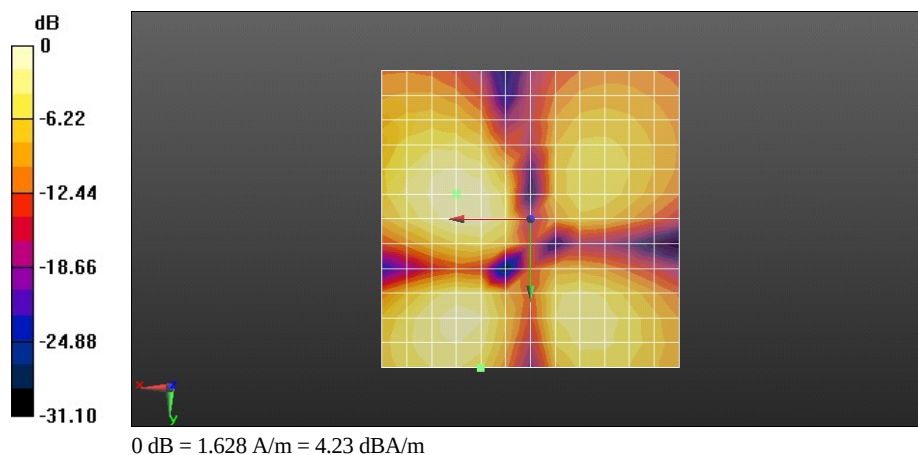
Cursor:

ABM1/ABM2 = 36.67 dB

ABM1 comp = -1.34 dBA/m

BWC Factor = 0.46 dB

Location: 8.3, 25, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band II 9400CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.46 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.41 dBA/m

BWC Factor = 0.46 dB

Location: 0, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.46 dB

Device Reference Point: 0, 0, -6.3 mm

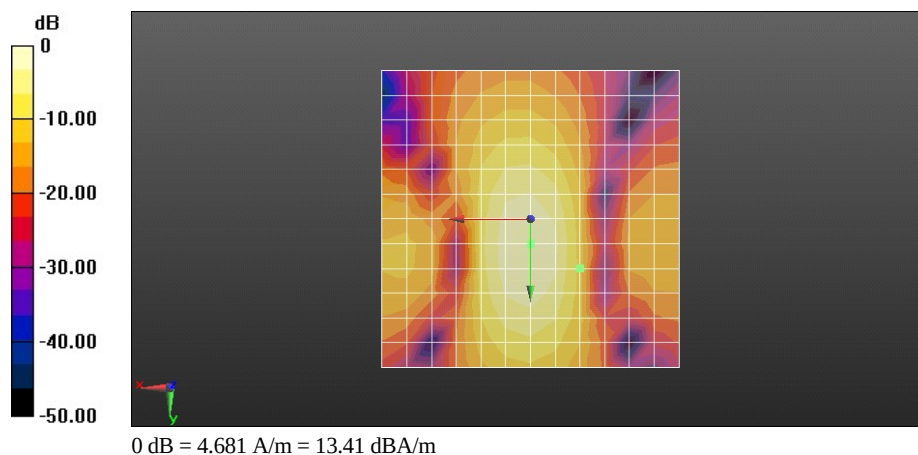
Cursor:

ABM1/ABM2 = 36.84 dB

ABM1 comp = 2.51 dBA/m

BWC Factor = 0.46 dB

Location: -8.3, 8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band II 9400CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.08 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 2.04 dBA/m

BWC Factor = 11.08 dB

Location: 4.2, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.08 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 34.52 dB

ABM1 comp = 2.04 dBA/m

BWC Factor = 11.08 dB

Location: 4.2, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.08 dB

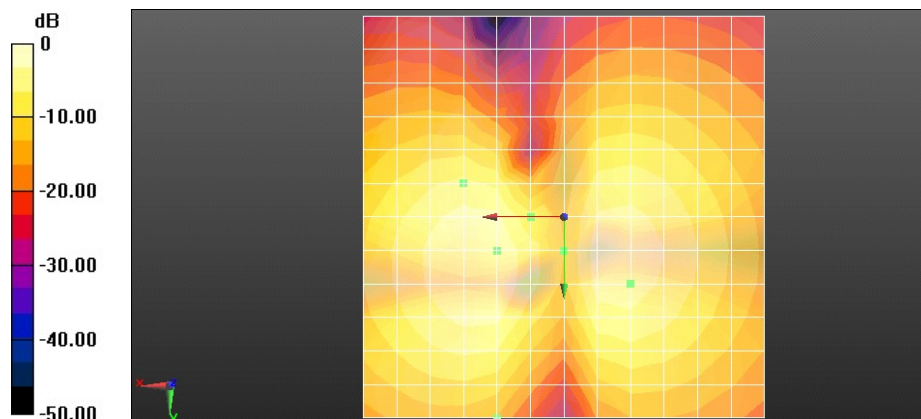
Device Reference Point: 0, 0, -6.3 mm

Cursor:

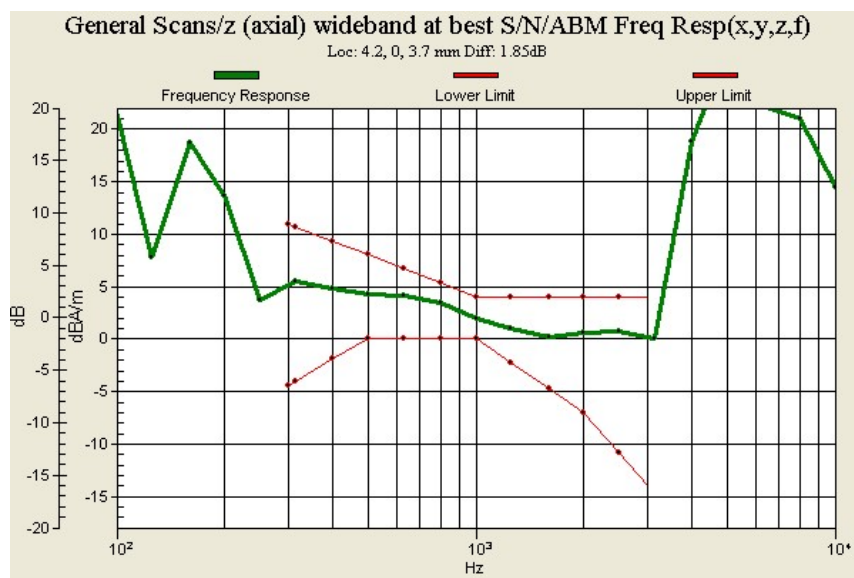
Diff = 1.85 dB

BWC Factor = 11.08 dB

Location: 4.2, 0, 3.7 mm



0 dB = 4.932 A/m = 13.86 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band IV 1413CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; 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:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.30 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.72 dBA/m

BWC Factor = 0.30 dB

Location: 8.3, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.30 dB

Device Reference Point: 0, 0, -6.3 mm

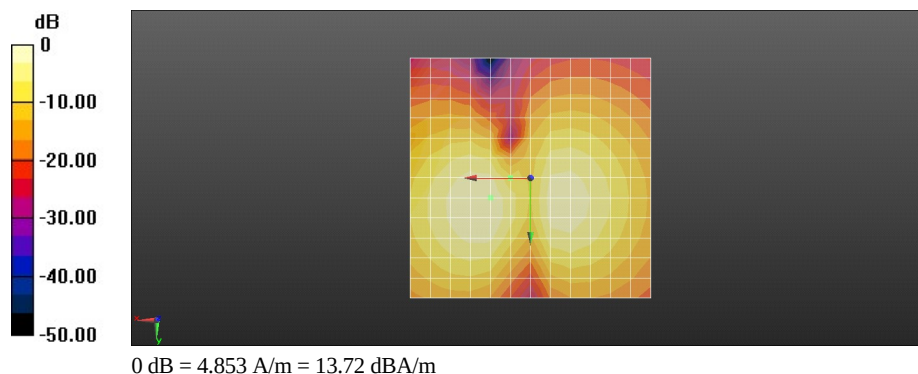
Cursor:

ABM1/ABM2 = 37.14 dB

ABM1 comp = 4.88 dBA/m

BWC Factor = 0.30 dB

Location: 4.2, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band IV 1413CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; 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:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.30 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.87 dBA/m

BWC Factor = 0.30 dB

Location: 12.5, -4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.30 dB

Device Reference Point: 0, 0, -6.3 mm

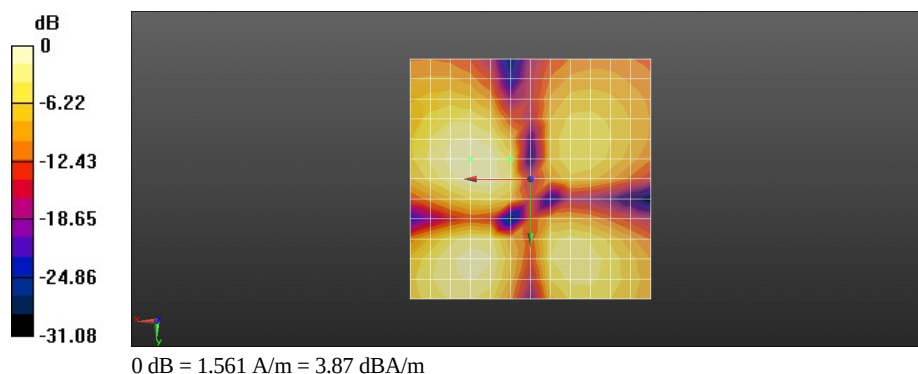
Cursor:

ABM1/ABM2 = 36.67 dB

ABM1 comp = -1.02 dBA/m

BWC Factor = 0.30 dB

Location: 4.2, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band IV 1413CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; 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:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.30 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 12.99 dBA/m

BWC Factor = 0.30 dB

Location: 0, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.30 dB

Device Reference Point: 0, 0, -6.3 mm

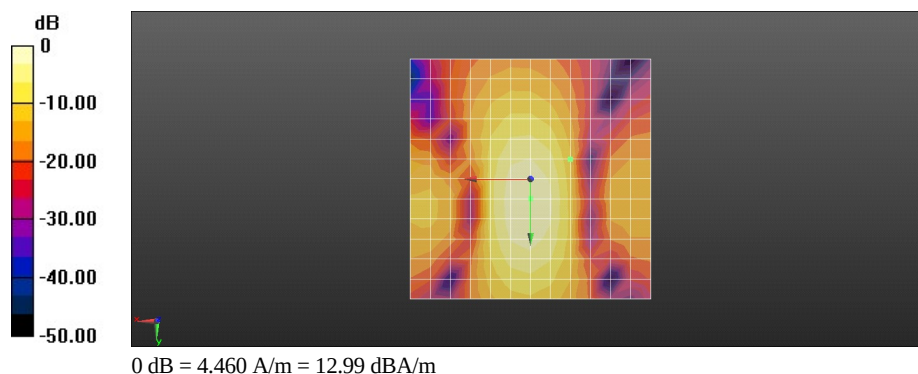
Cursor:

ABM1/ABM2 = 36.77 dB

ABM1 comp = 0.37 dBA/m

BWC Factor = 0.30 dB

Location: -8.3, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band IV 1413CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.94 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.63 dBA/m

BWC Factor = 10.94 dB

Location: 4.2, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.94 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 34.35 dB

ABM1 comp = 1.63 dBA/m

BWC Factor = 10.94 dB

Location: 4.2, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.94 dB

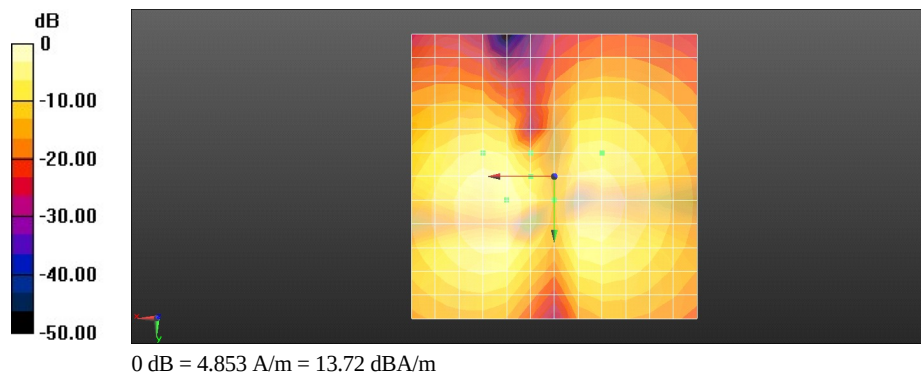
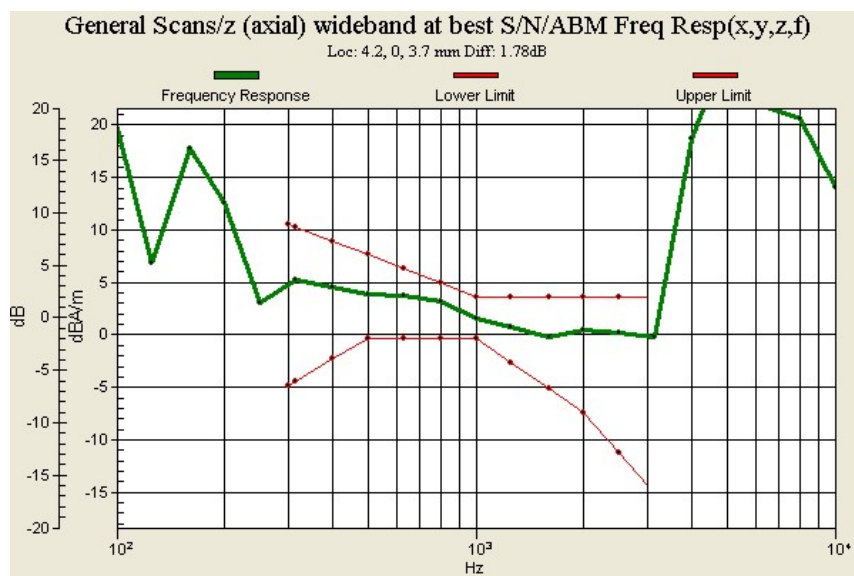
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 1.78 dB

BWC Factor = 10.94 dB

Location: 4.2, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band V 4182CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.05 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.89 dBA/m

BWC Factor = 0.05 dB

Location: 8.3, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.05 dB

Device Reference Point: 0, 0, -6.3 mm

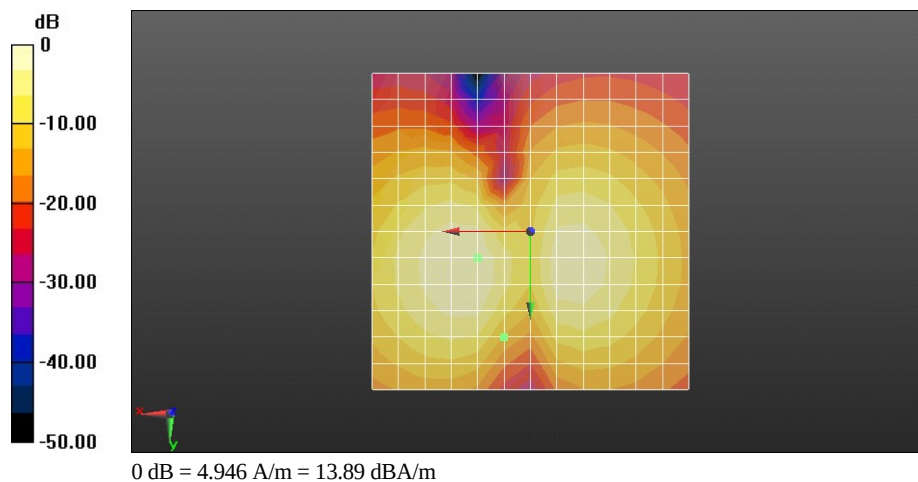
Cursor:

ABM1/ABM2 = 36.50 dB

ABM1 comp = 0.22 dBA/m

BWC Factor = 0.05 dB

Location: 4.2, 16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band V 4182CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.05 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 4.08 dBA/m

BWC Factor = 0.05 dB

Location: 12.5, -4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.05 dB

Device Reference Point: 0, 0, -6.3 mm

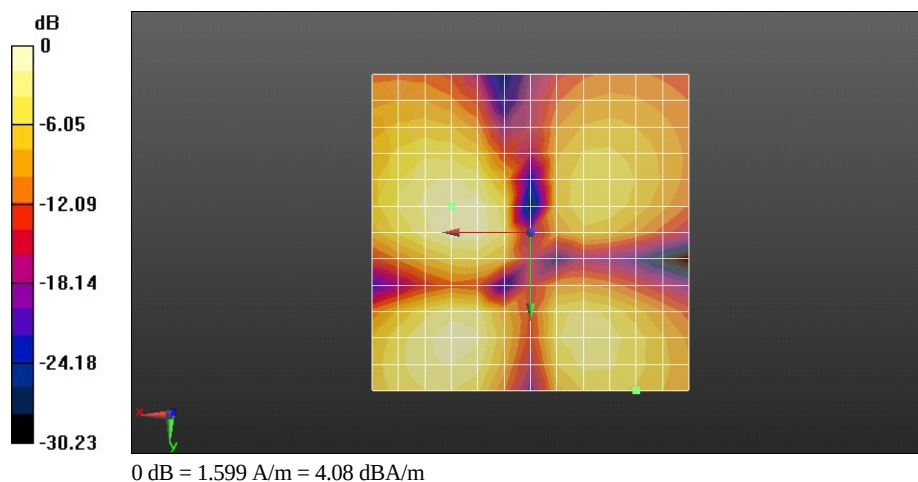
Cursor:

ABM1/ABM2 = 36.20 dB

ABM1 comp = -2.24 dBA/m

BWC Factor = 0.05 dB

Location: -16.7, 25, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band V 4182CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM Signal

(x,y,z) (13x13x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.05 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.18 dBA/m

BWC Factor = 0.05 dB

Location: 0, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 4.2mm 50 x 50/ABM SNR

(x,y,z) (13x13x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.05 dB

Device Reference Point: 0, 0, -6.3 mm

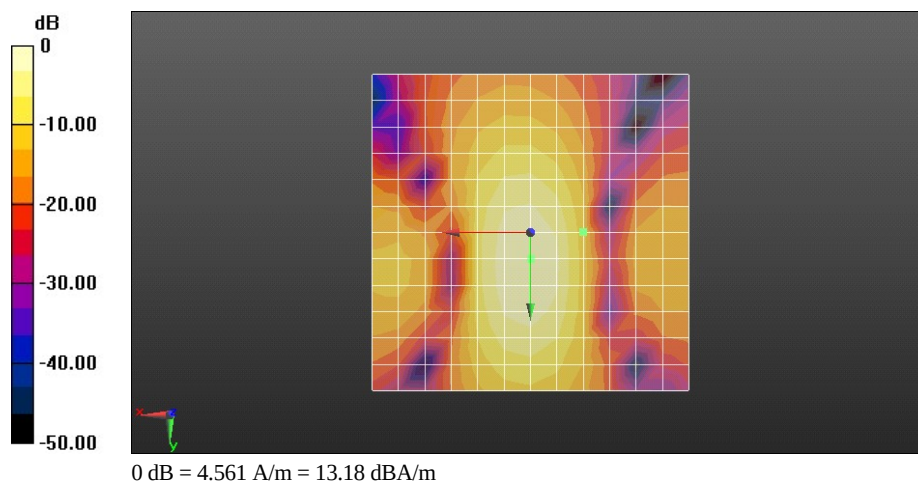
Cursor:

ABM1/ABM2 = 36.41 dB

ABM1 comp = 1.49 dBA/m

BWC Factor = 0.05 dB

Location: -8.3, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band V 4182CH

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM Signal(x,y,z)

(1x1x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

Output Gain: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.70 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -3.53 dBA/m

BWC Factor = 10.70 dB

Location: 4.2, 16.7, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM SNR(x,y,z)

(1x1x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

Output Gain: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.70 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 32.44 dB

ABM1 comp = -3.53 dBA/m

BWC Factor = 10.70 dB

Location: 4.2, 16.7, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) wideband at best S/N/ABM Freq Resp

(x,y,z,f) (1x1x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

Output Gain: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.70 dB

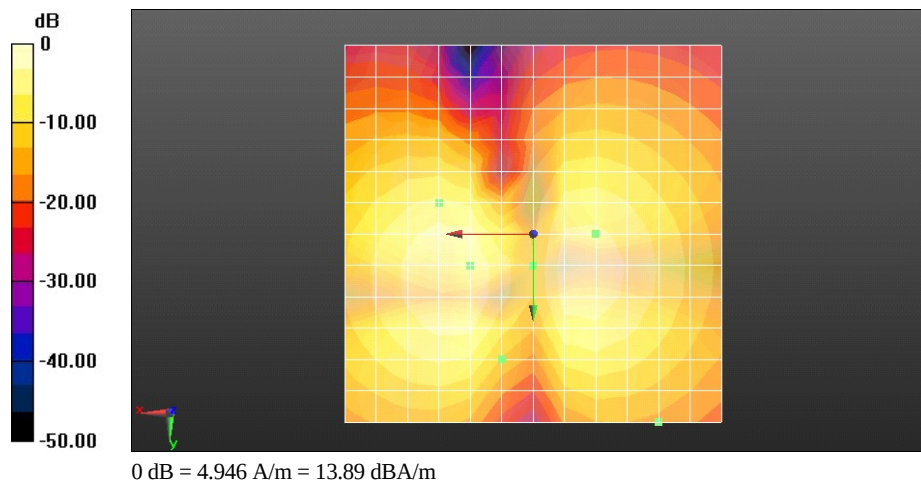
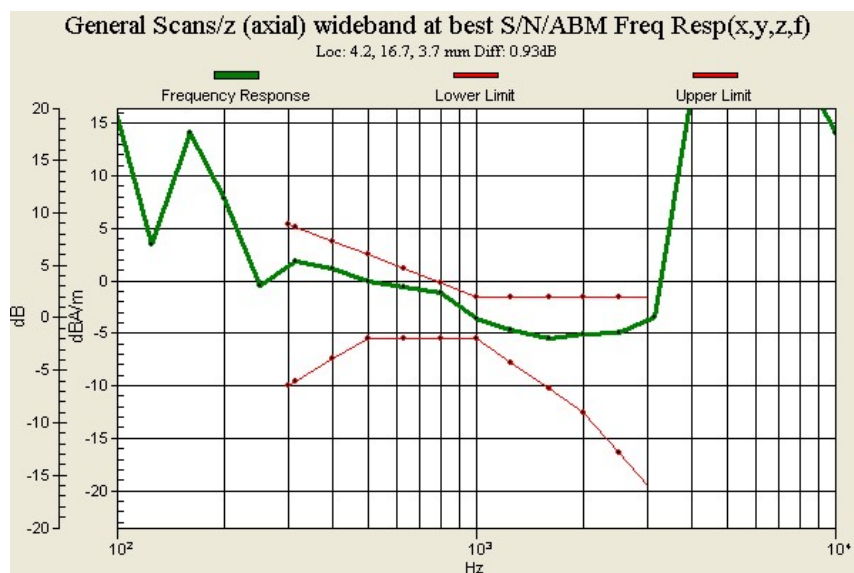
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 0.93 dB

BWC Factor = 10.70 dB

Location: 4.2, 16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM850 190CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.58 dBA/m

BWC Factor = 0.17 dB

Location: 8.3, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

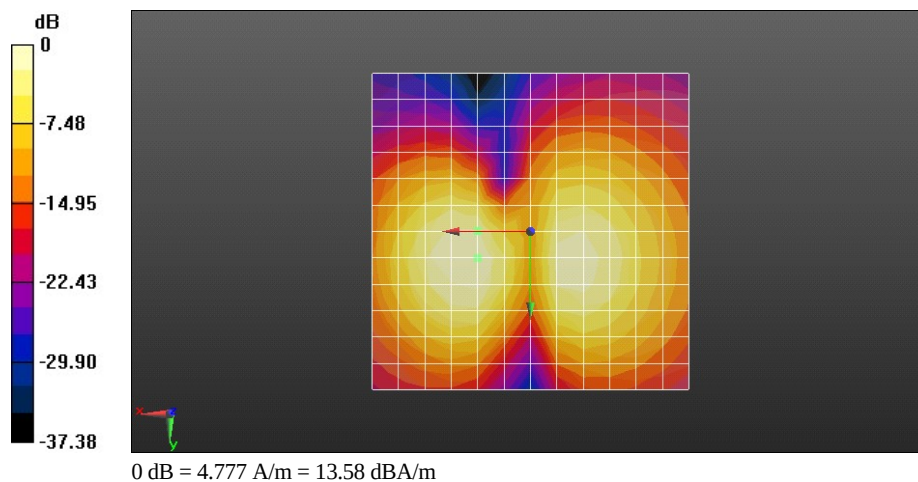
Cursor:

ABM1/ABM2 = 31.40 dB

ABM1 comp = 11.50 dBA/m

BWC Factor = 0.17 dB

Location: 8.3, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM850 190CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.61 dBA/m

BWC Factor = 0.17 dB

Location: 12.5, -4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

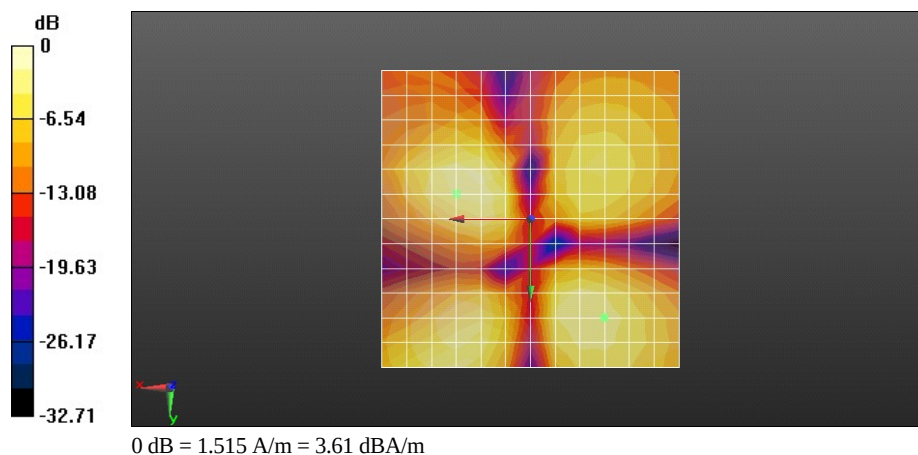
Cursor:

ABM1/ABM2 = 35.36 dB

ABM1 comp = 0.65 dBA/m

BWC Factor = 0.17 dB

Location: -12.5, 16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM850 190CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 11.93 dBA/m

BWC Factor = 0.17 dB

Location: 0, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

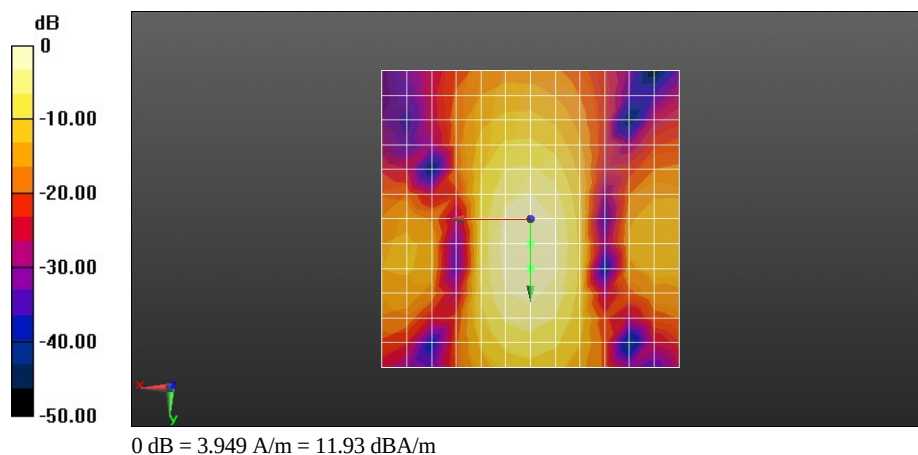
Cursor:

ABM1/ABM2 = 34.54 dB

ABM1 comp = 11.50 dBA/m

BWC Factor = 0.17 dB

Location: 0, 8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM850 190CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.99 dBA/m

BWC Factor = 10.81 dB

Location: 8.3, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 27.46 dB

ABM1 comp = 6.99 dBA/m

BWC Factor = 10.81 dB

Location: 8.3, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

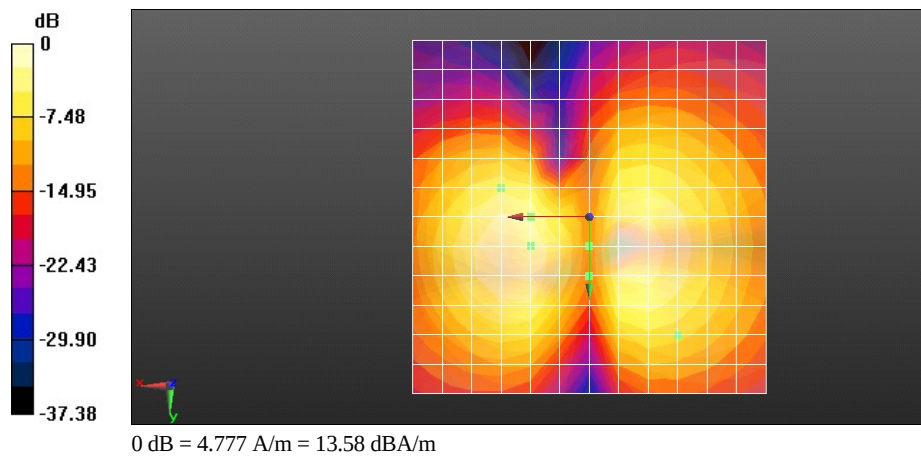
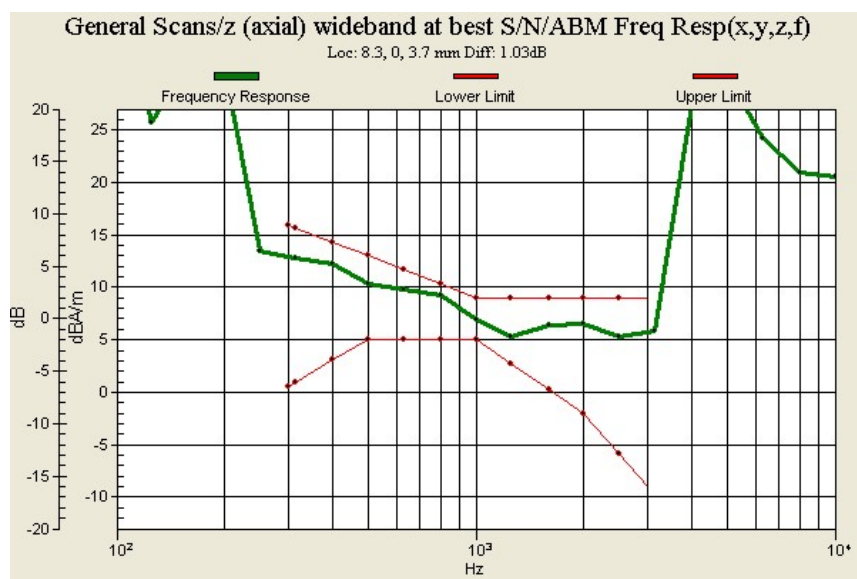
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 1.03 dB

BWC Factor = 10.81 dB

Location: 8.3, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM1900 661CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.12 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 8.3, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

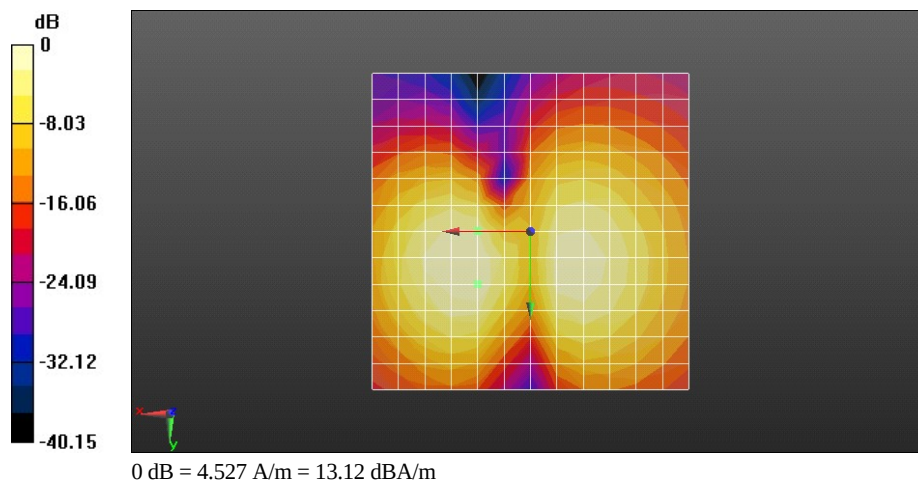
Cursor:

ABM1/ABM2 = 32.36 dB

ABM1 comp = 10.57 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM1900 661CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 2.90 dBA/m

BWC Factor = 0.16 dB

Location: 12.5, -4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

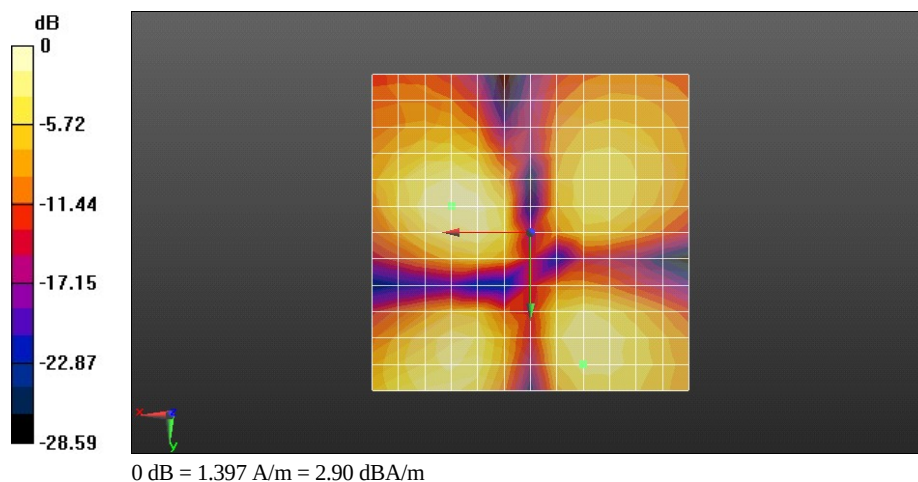
Cursor:

ABM1/ABM2 = 34.95 dB

ABM1 comp = -0.04 dBA/m

BWC Factor = 0.16 dB

Location: -8.3, 20.8, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM1900 661CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 12.58 dBA/m

BWC Factor = 0.16 dB

Location: 0, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.16 dB

Device Reference Point: 0, 0, -6.3 mm

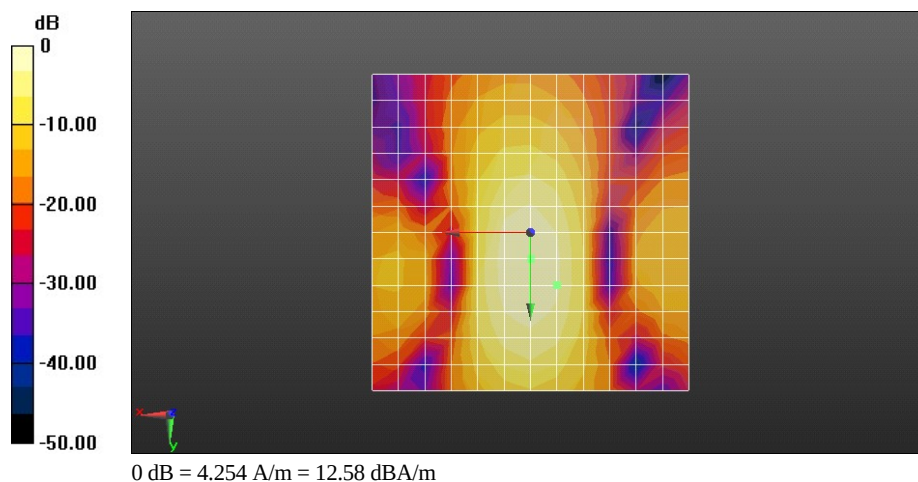
Cursor:

ABM1/ABM2 = 34.98 dB

ABM1 comp = 10.04 dBA/m

BWC Factor = 0.16 dB

Location: -4.2, 8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_GSM1900 661CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-GSM\GPRS\EGPRS-1TS; Frequency: 1880 MHz; Duty Cycle: 1:8.30042

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 6.49 dBA/m

BWC Factor = 10.80 dB

Location: 8.3, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 28.66 dB

ABM1 comp = 6.49 dBA/m

BWC Factor = 10.80 dB

Location: 8.3, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.80 dB

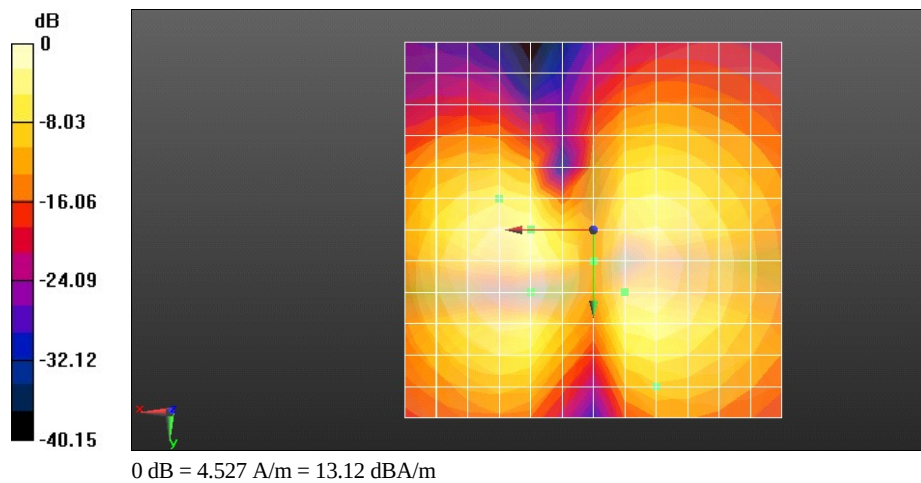
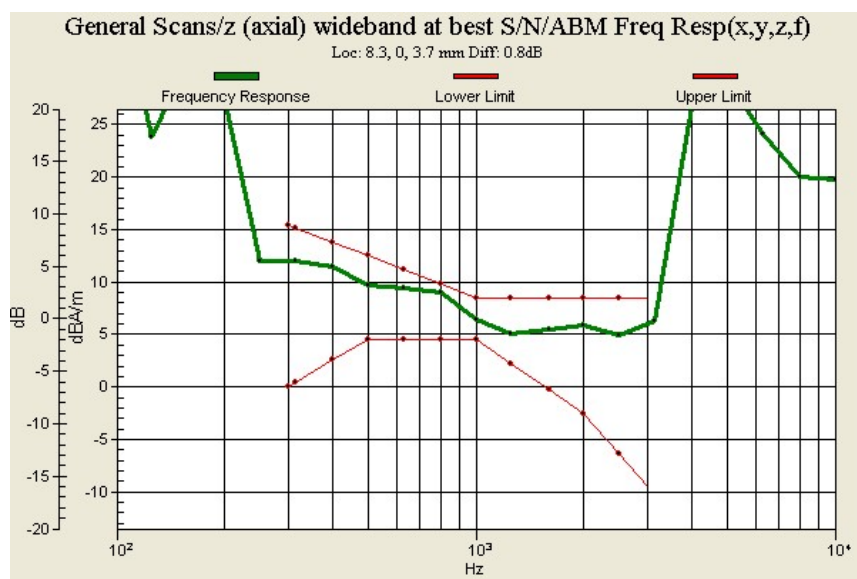
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 0.80 dB

BWC Factor = 10.80 dB

Location: 8.3, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band II 9400CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1.00023

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.23 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.73 dBA/m

BWC Factor = 0.23 dB

Location: 8.3, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.23 dB

Device Reference Point: 0, 0, -6.3 mm

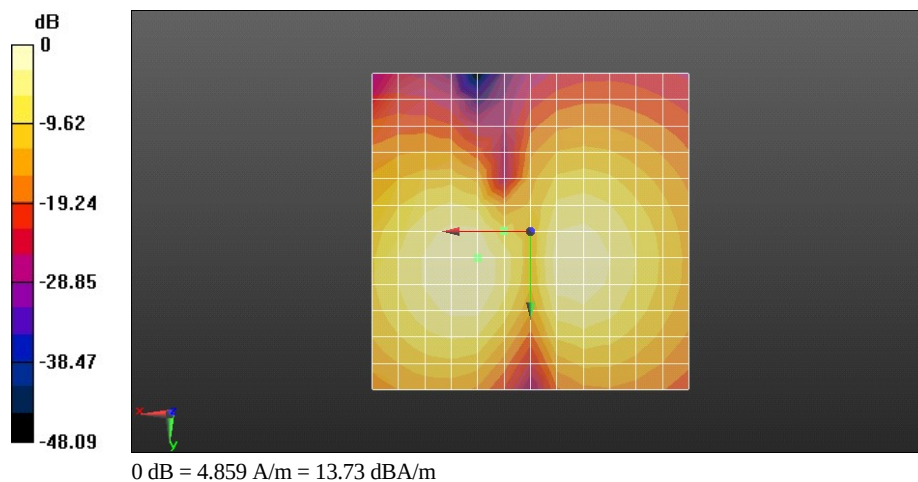
Cursor:

ABM1/ABM2 = 36.97 dB

ABM1 comp = 5.47 dBA/m

BWC Factor = 0.23 dB

Location: 4.2, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band II 9400CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1.00023

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.23 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.85 dBA/m

BWC Factor = 0.23 dB

Location: 12.5, -4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.23 dB

Device Reference Point: 0, 0, -6.3 mm

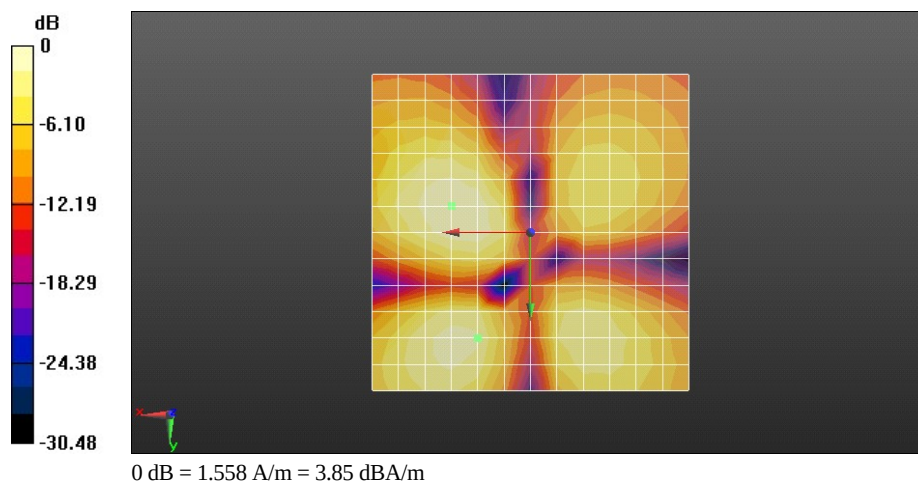
Cursor:

ABM1/ABM2 = 36.84 dB

ABM1 comp = 2.24 dBA/m

BWC Factor = 0.23 dB

Location: 8.3, 16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band II 9400CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1.00023

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.23 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.06 dBA/m

BWC Factor = 0.23 dB

Location: 0, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.23 dB

Device Reference Point: 0, 0, -6.3 mm

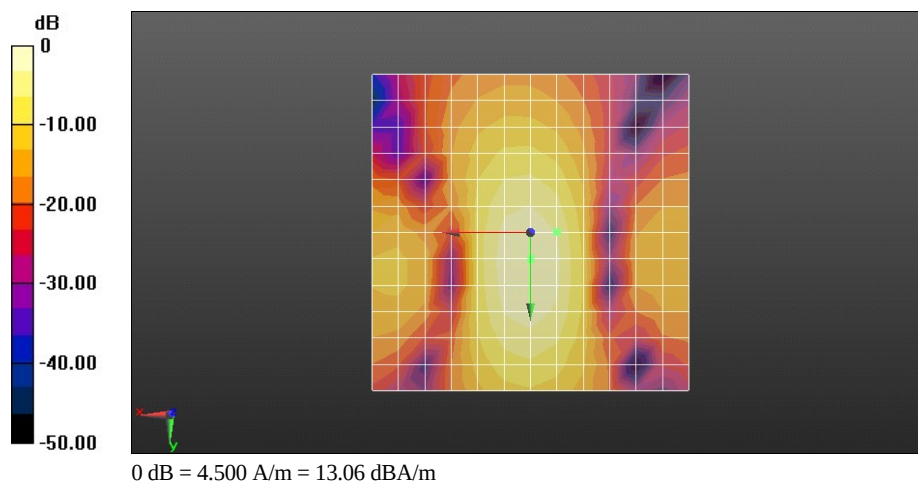
Cursor:

ABM1/ABM2 = 37.05 dB

ABM1 comp = 9.63 dBA/m

BWC Factor = 0.23 dB

Location: -4.2, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band II 9400CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 1880 MHz; Duty Cycle: 1:1.00023

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.86 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 2.03 dBA/m

BWC Factor = 10.86 dB

Location: 4.2, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.86 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 34.27 dB

ABM1 comp = 2.03 dBA/m

BWC Factor = 10.86 dB

Location: 4.2, 0, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.86 dB

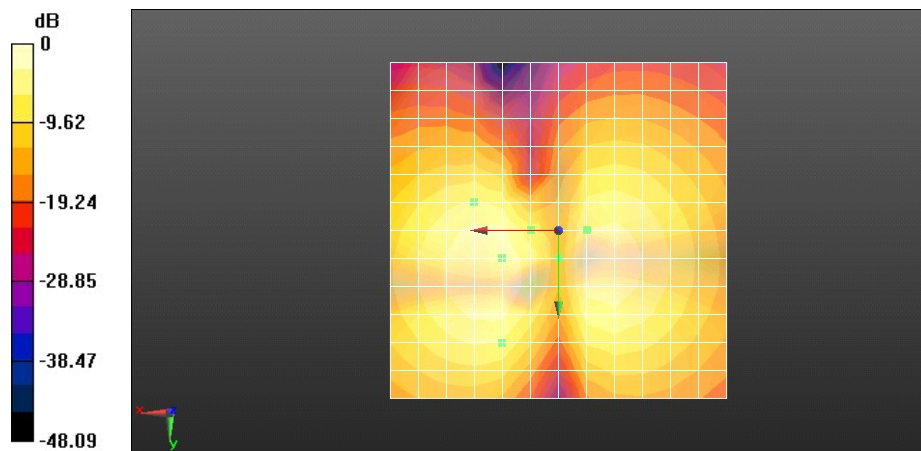
Device Reference Point: 0, 0, -6.3 mm

Cursor:

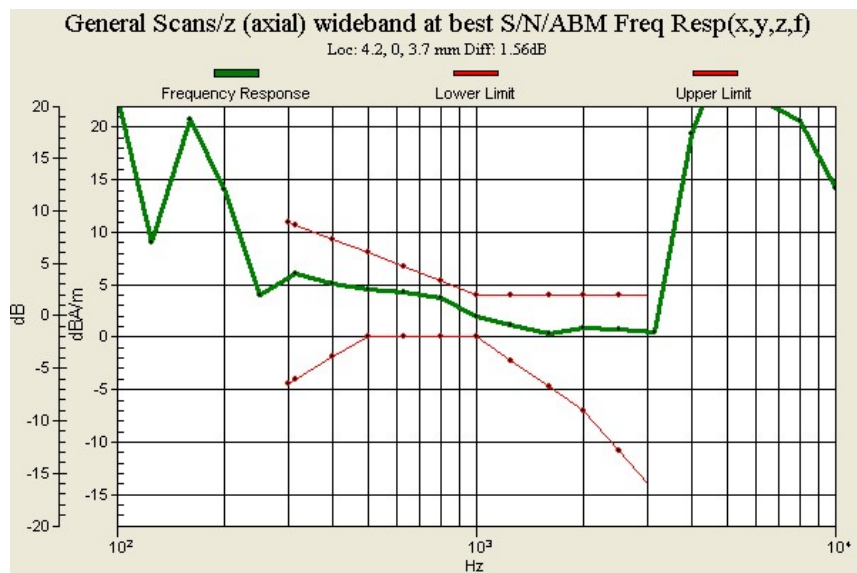
Diff = 1.56 dB

BWC Factor = 10.86 dB

Location: 4.2, 0, 3.7 mm



0 dB = 4.859 A/m = 13.73 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band IV 1413CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; 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:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.26 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.53 dBA/m

BWC Factor = 0.26 dB

Location: 8.3, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.26 dB

Device Reference Point: 0, 0, -6.3 mm

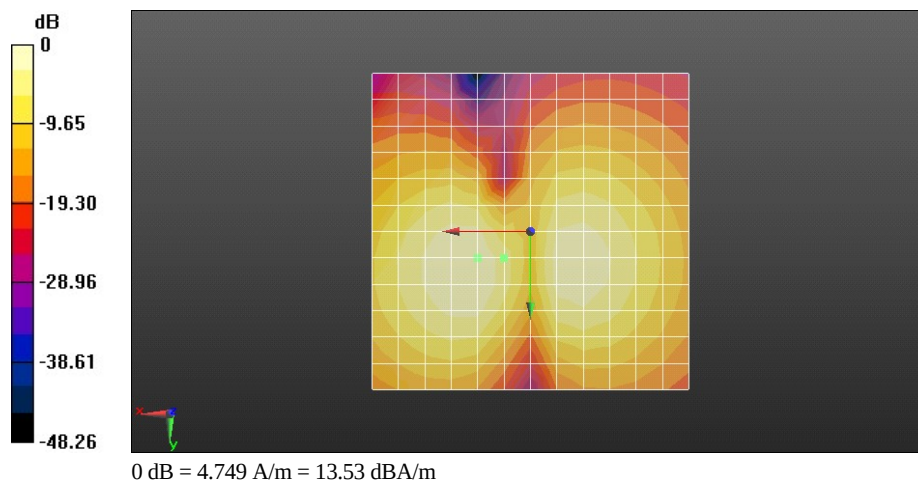
Cursor:

ABM1/ABM2 = 37.20 dB

ABM1 comp = 8.83 dBA/m

BWC Factor = 0.26 dB

Location: 4.2, 4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band IV 1413CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; 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:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.26 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.84 dBA/m

BWC Factor = 0.26 dB

Location: 12.5, -4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.26 dB

Device Reference Point: 0, 0, -6.3 mm

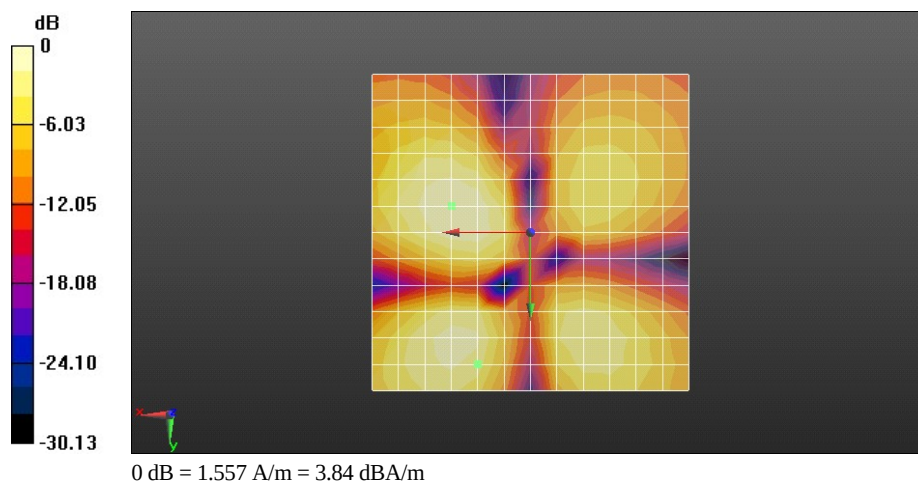
Cursor:

ABM1/ABM2 = 36.89 dB

ABM1 comp = 0.96 dBA/m

BWC Factor = 0.26 dB

Location: 8.3, 20.8, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band IV 1413CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; 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:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.26 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.05 dBA/m

BWC Factor = 0.26 dB

Location: 0, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.26 dB

Device Reference Point: 0, 0, -6.3 mm

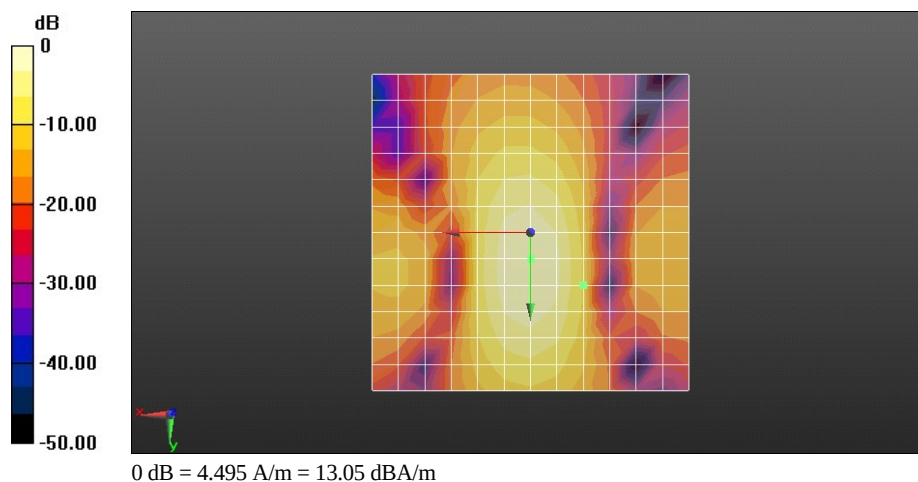
Cursor:

ABM1/ABM2 = 37.22 dB

ABM1 comp = 2.89 dBA/m

BWC Factor = 0.26 dB

Location: -8.3, 8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band IV 1413CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; 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:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.90 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 4.46 dBA/m

BWC Factor = 10.90 dB

Location: 4.2, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.90 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 32.86 dB

ABM1 comp = 4.46 dBA/m

BWC Factor = 10.90 dB

Location: 4.2, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.90 dB

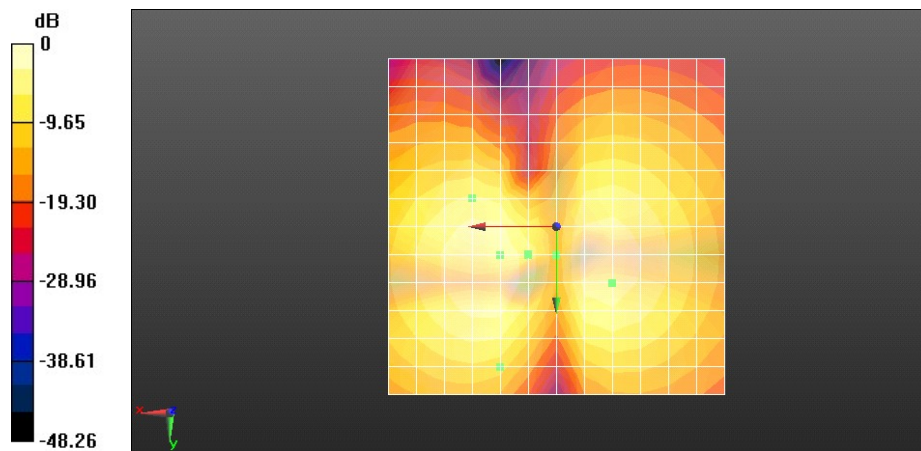
Device Reference Point: 0, 0, -6.3 mm

Cursor:

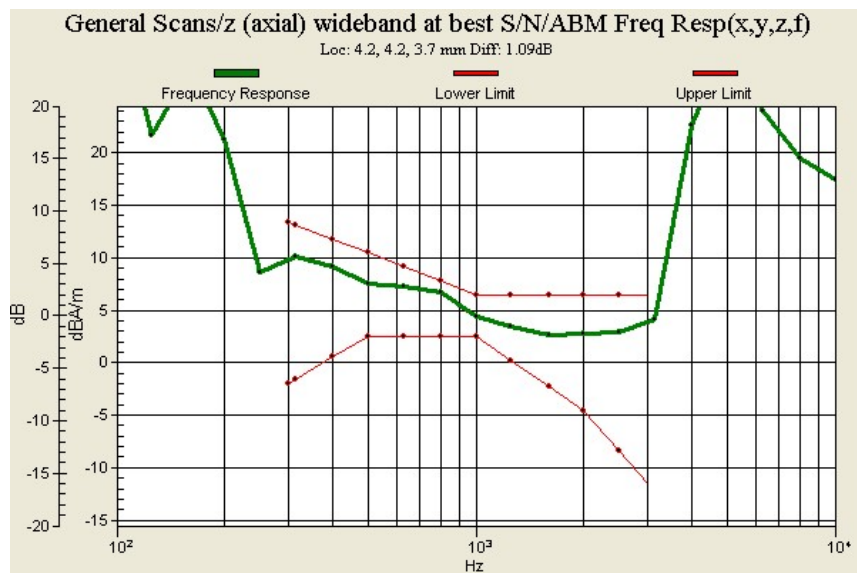
Diff = 1.09 dB

BWC Factor = 10.90 dB

Location: 4.2, 4.2, 3.7 mm



0 dB = 4.749 A/m = 13.53 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band V 4182CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), $z = 3.0$
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM Signal(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 14.01 dBA/m

BWC Factor = 0.17 dB

Location: 8.3, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Signal Type: Audio File (.wav) 48k_voice_1kHz_1s.wav

Output Gain: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

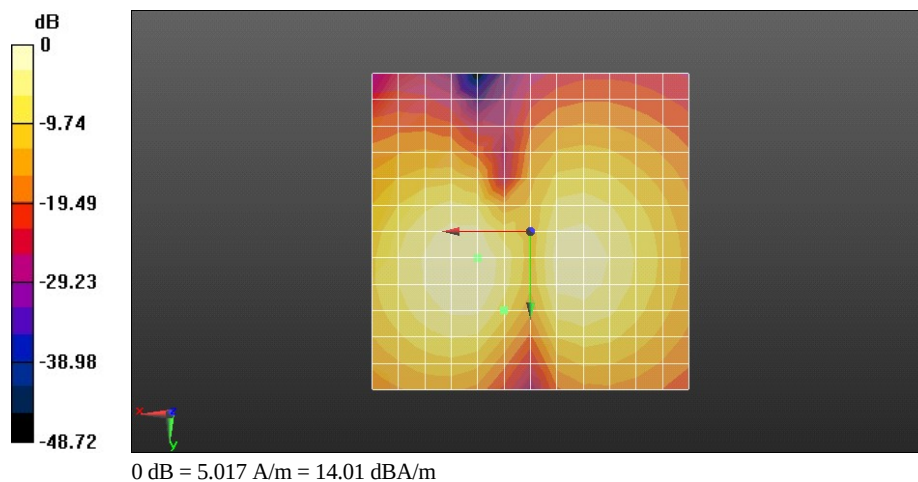
Cursor:

ABM1/ABM2 = 36.66 dB

ABM1 comp = 5.91 dBA/m

BWC Factor = 0.17 dB

Location: 4.2, 12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band V 4182CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 4.20 dBA/m

BWC Factor = 0.17 dB

Location: 12.5, -4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

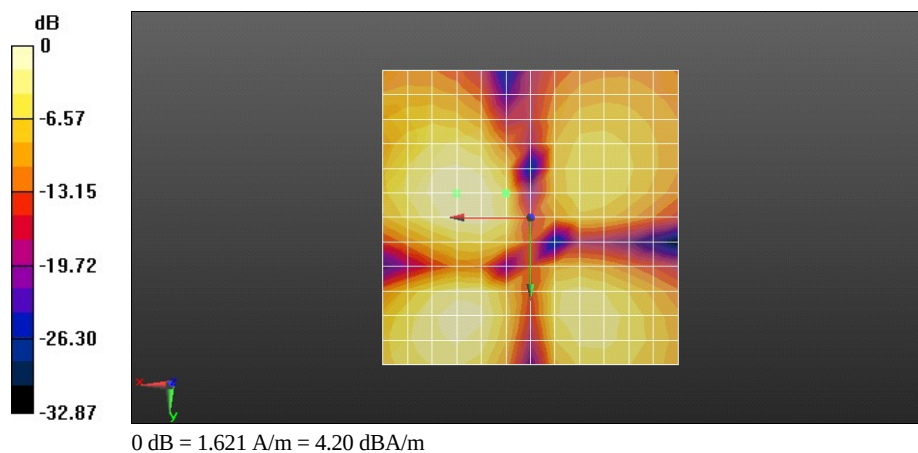
Cursor:

ABM1/ABM2 = 36.64 dB

ABM1 comp = -0.13 dBA/m

BWC Factor = 0.17 dB

Location: 4.2, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band V 4182CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.17 dBA/m

BWC Factor = 0.17 dB

Location: 0, 4.2, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 2011 compliance)/General Scans/x (longitudinal) (2007) 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: 38.72

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.17 dB

Device Reference Point: 0, 0, -6.3 mm

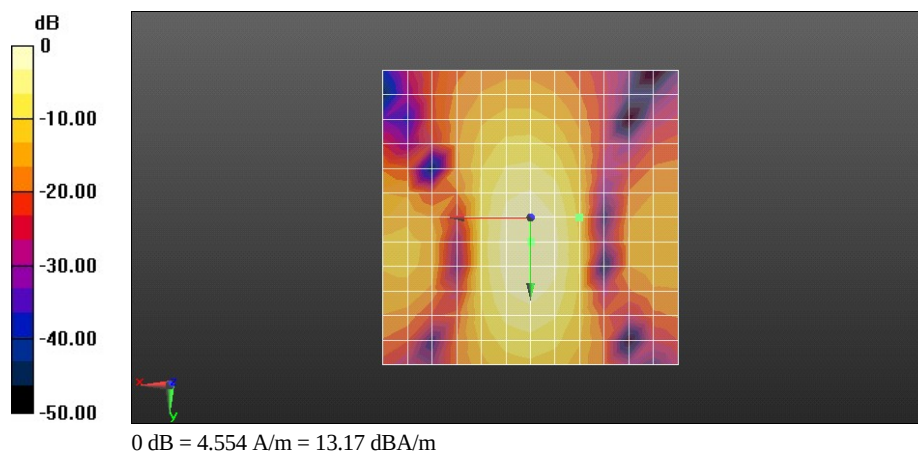
Cursor:

ABM1/ABM2 = 36.95 dB

ABM1 comp = 2.39 dBA/m

BWC Factor = 0.17 dB

Location: -8.3, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

Y301-A1-HAC(T-Coil)_UMTS Band V 4182CH with battery 2#

DUT: Y301-A1; Type: UMTS Smart Phone; Serial: SAR1

Communication System: HW-UMTS-FDD; Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY Configuration:

- Probe: AM1DV2 - 1068; ; Calibrated: 2012-11-21
- Sensor-Surface: 0mm (Fix Surface), z = 3.0
- Electronics: DAE4 Sn852; Calibrated: 2012-11-22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 2.05 dBA/m

BWC Factor = 10.81 dB

Location: 4.2, 12.5, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 32.91 dB

ABM1 comp = 2.05 dBA/m

BWC Factor = 10.81 dB

Location: 4.2, 12.5, 3.7 mm

T-Coil scan (scan for ANSI C63.19-2007 & 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: 75.84

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.81 dB

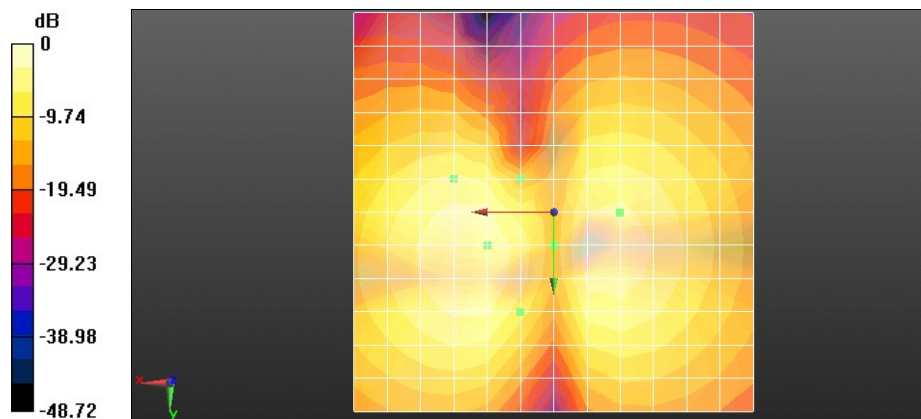
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 1.09 dB

BWC Factor = 10.81 dB

Location: 4.2, 12.5, 3.7 mm



0 dB = 5.017 A/m = 14.01 dBA/m

