

Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM850 190CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.08 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.10 dBA/m

BWC Factor = 1.08 dB

Location: 4.2, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.08 dB

Device Reference Point: 0, 0, -6.3 mm

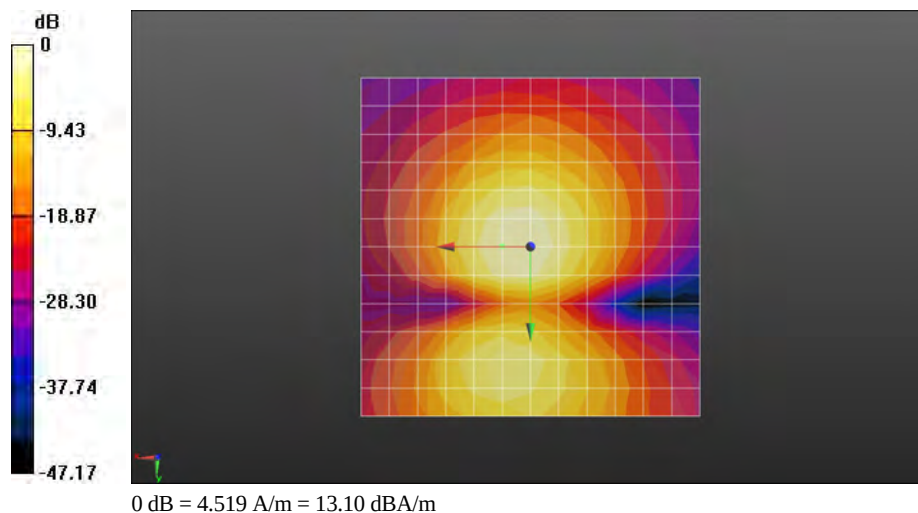
Cursor:

ABM1/ABM2 = 31.22 dB

ABM1 comp = 13.03 dBA/m

BWC Factor = 1.08 dB

Location: 0, 0, 3.7 mm



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DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.08 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 11.06 dBA/m

BWC Factor = 1.08 dB

Location: 4.2, 8.3, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.08 dB

Device Reference Point: 0, 0, -6.3 mm

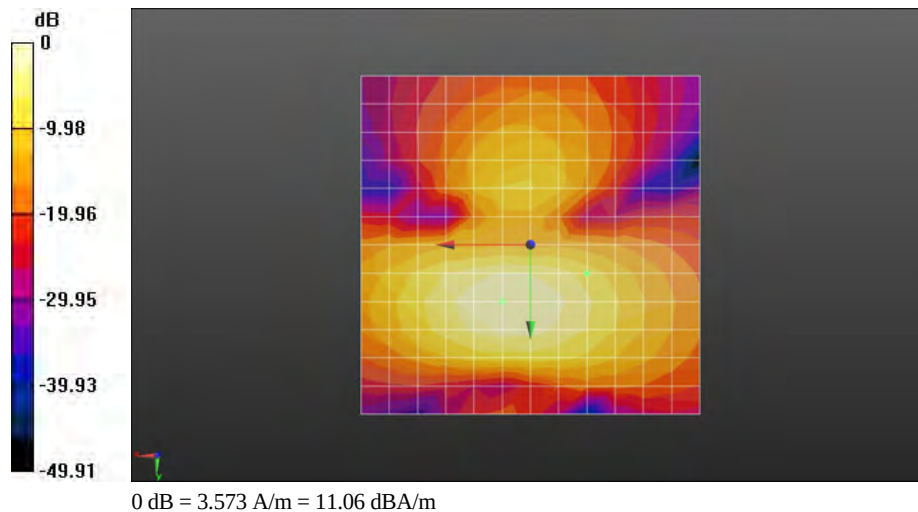
Cursor:

ABM1/ABM2 = 36.95 dB

ABM1 comp = 2.93 dBA/m

BWC Factor = 1.08 dB

Location: -8.3, 4.2, 3.7 mm



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U8686-HAC(T-Coil)_GSM850 190CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.08 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.42 dBA/m

BWC Factor = 1.08 dB

Location: -4.2, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.08 dB

Device Reference Point: 0, 0, -6.3 mm

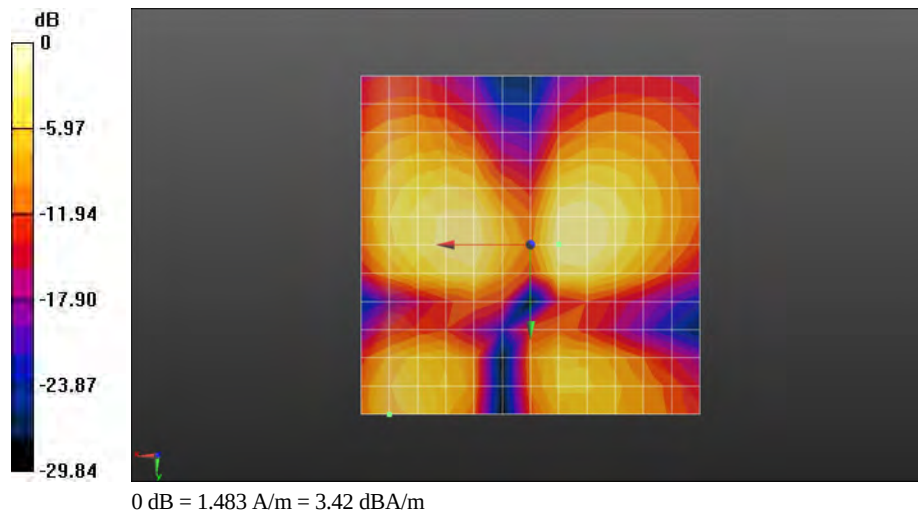
Cursor:

ABM1/ABM2 = 29.36 dB

ABM1 comp = -5.18 dBA/m

BWC Factor = 1.08 dB

Location: 20.8, 25, 3.7 mm



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U8686-HAC(T-Coil)_GSM850 190CH

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.74 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.51 dBA/m

BWC Factor = 11.74 dB

Location: 0, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.74 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 28.83 dB

ABM1 comp = 10.51 dBA/m

BWC Factor = 11.74 dB

Location: 0, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.74 dB

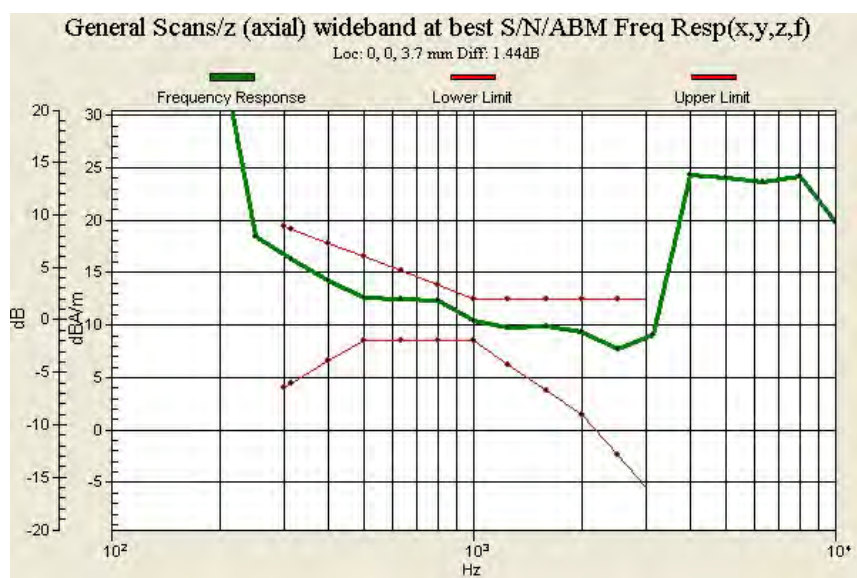
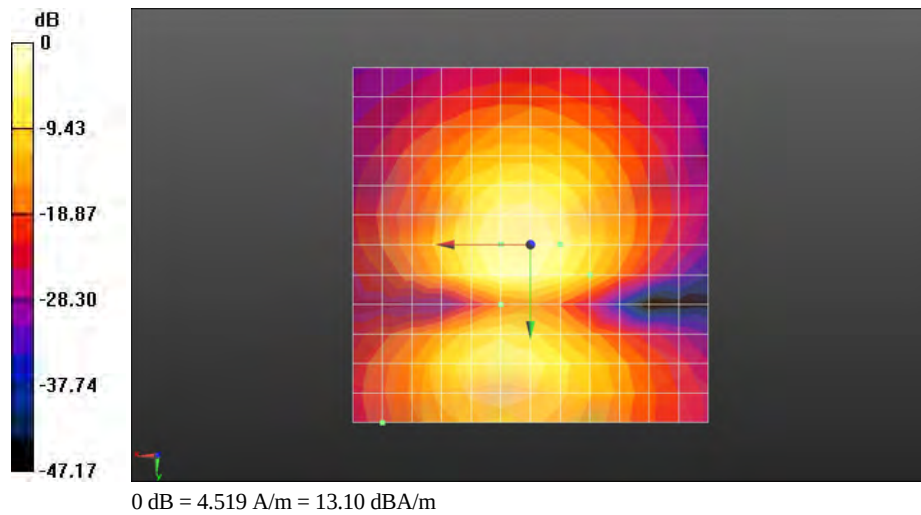
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 1.44 dB

BWC Factor = 11.74 dB

Location: 0, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM1900 661CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.02 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 12.99 dBA/m

BWC Factor = 1.02 dB

Location: 4.2, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.02 dB

Device Reference Point: 0, 0, -6.3 mm

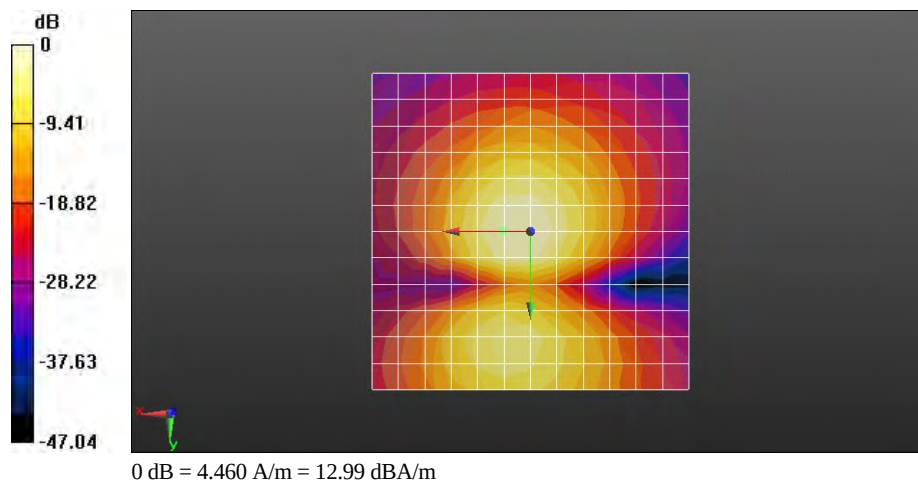
Cursor:

ABM1/ABM2 = 31.23 dB

ABM1 comp = 12.94 dBA/m

BWC Factor = 1.02 dB

Location: 0, 0, 3.7 mm



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U8686-HAC(T-Coil)_GSM1900 661CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.02 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.97 dBA/m

BWC Factor = 1.02 dB

Location: 4.2, 8.3, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.02 dB

Device Reference Point: 0, 0, -6.3 mm

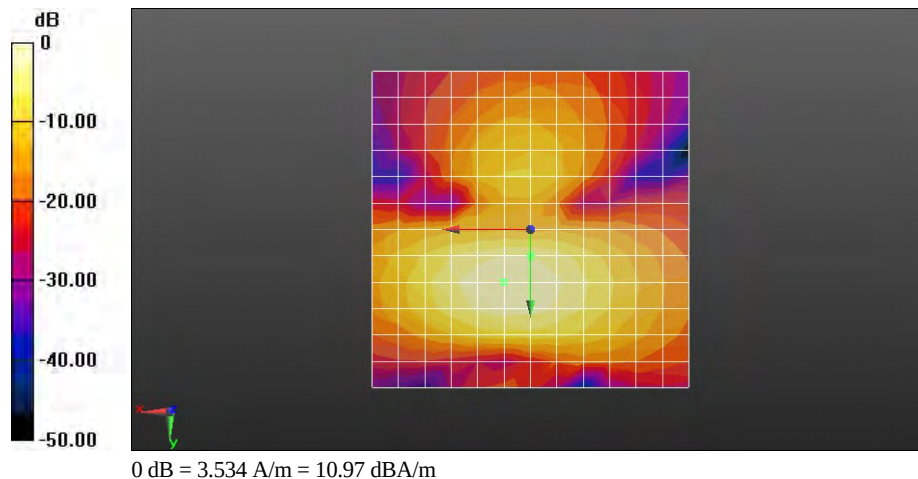
Cursor:

ABM1/ABM2 = 37.01 dB

ABM1 comp = 7.72 dBA/m

BWC Factor = 1.02 dB

Location: 0, 4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM1900 661CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.02 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.22 dBA/m

BWC Factor = 1.02 dB

Location: -8.3, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.02 dB

Device Reference Point: 0, 0, -6.3 mm

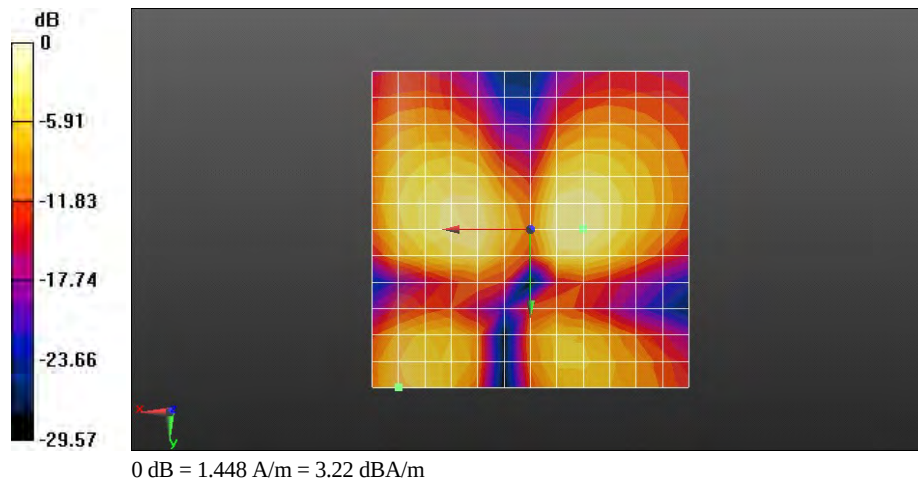
Cursor:

ABM1/ABM2 = 29.27 dB

ABM1 comp = -5.17 dBA/m

BWC Factor = 1.02 dB

Location: 20.8, 25, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM1900 661CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.70 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.36 dBA/m

BWC Factor = 11.70 dB

Location: 0, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.70 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 28.70 dB

ABM1 comp = 10.36 dBA/m

BWC Factor = 11.70 dB

Location: 0, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.70 dB

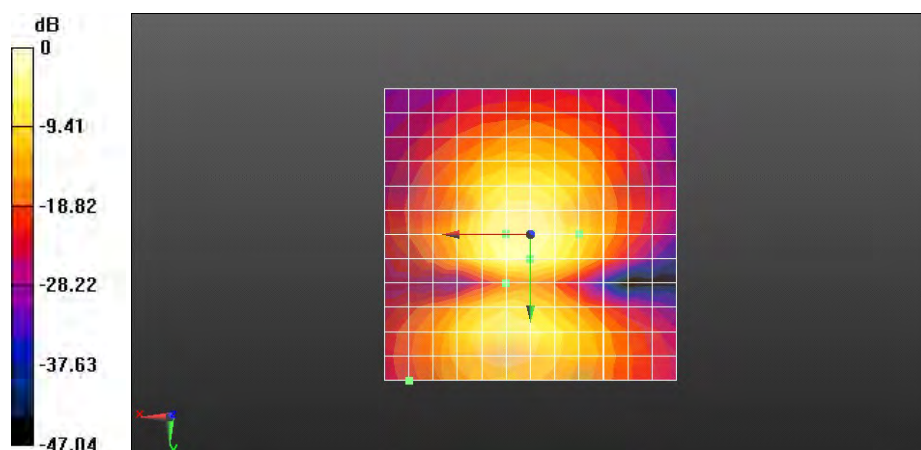
Device Reference Point: 0, 0, -6.3 mm

Cursor:

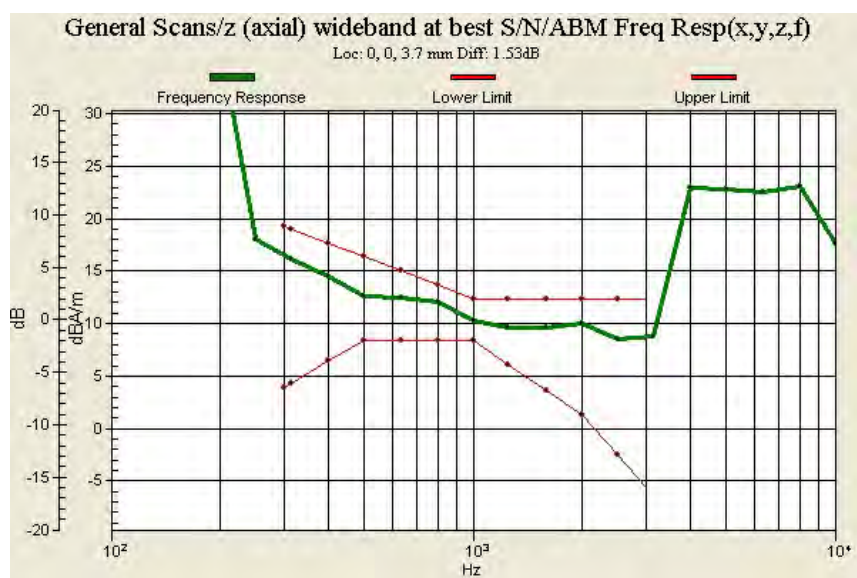
Diff = 1.53 dB

BWC Factor = 11.70 dB

Location: 0, 0, 3.7 mm



0 dB = 4.460 A/m = 12.99 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band II 9400CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.07 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 11.45 dBA/m

BWC Factor = -0.07 dB

Location: 0, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.07 dB

Device Reference Point: 0, 0, -6.3 mm

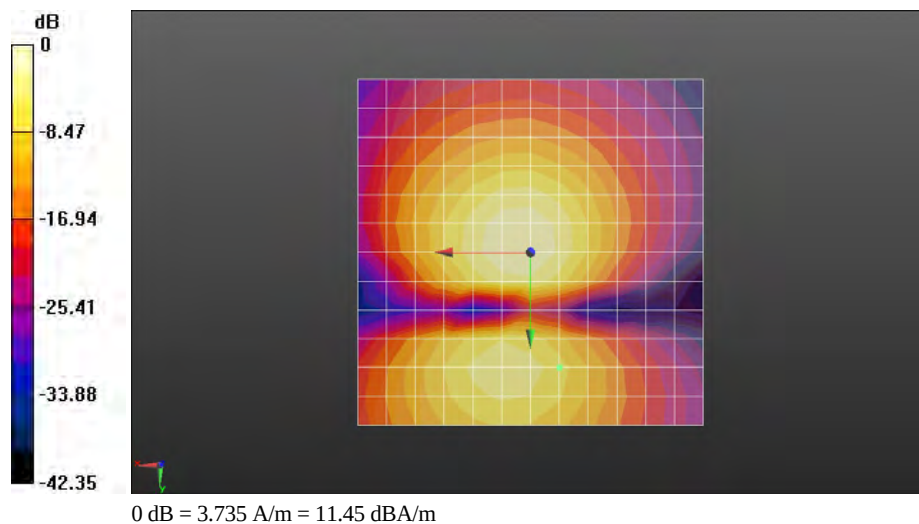
Cursor:

ABM1/ABM2 = 37.79 dB

ABM1 comp = 4.38 dBA/m

BWC Factor = -0.07 dB

Location: -4.2, 16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band II 9400CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.07 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.17 dBA/m

BWC Factor = -0.07 dB

Location: 4.2, 8.3, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.07 dB

Device Reference Point: 0, 0, -6.3 mm

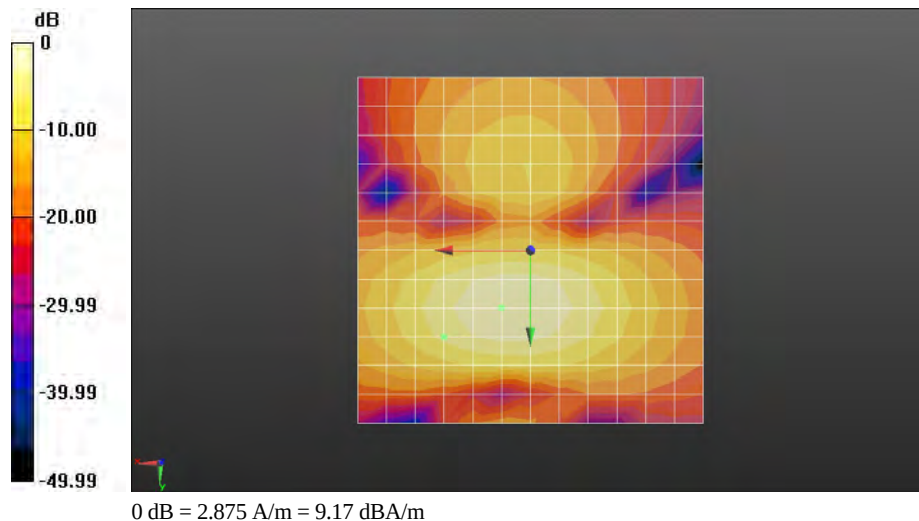
Cursor:

ABM1/ABM2 = 37.69 dB

ABM1 comp = 3.46 dBA/m

BWC Factor = -0.07 dB

Location: 12.5, 12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band II 9400CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.07 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.63 dBA/m

BWC Factor = -0.07 dB

Location: -8.3, -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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.07 dB

Device Reference Point: 0, 0, -6.3 mm

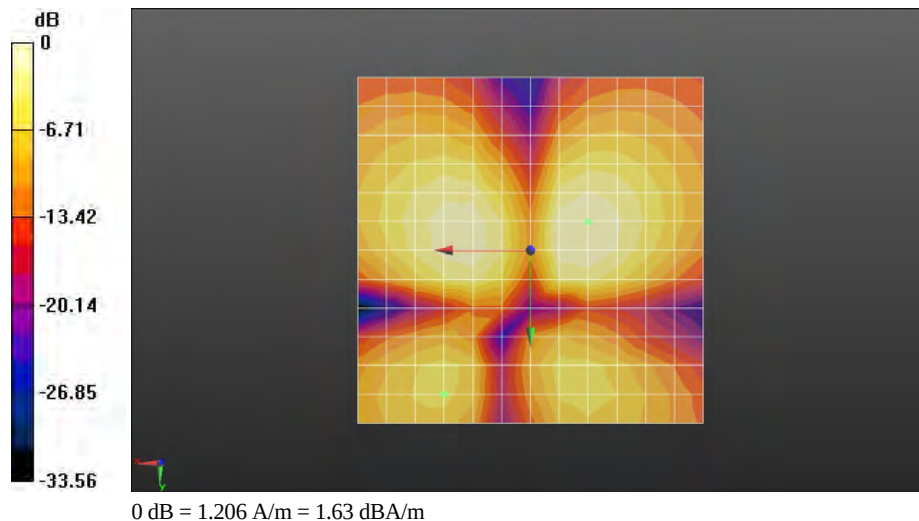
Cursor:

ABM1/ABM2 = 37.41 dB

ABM1 comp = -4.21 dBA/m

BWC Factor = -0.07 dB

Location: 12.5, 20.8, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band II 9400CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.69 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.24 dBA/m

BWC Factor = 10.69 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=10mm, dy=10mm

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

Output Gain: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.69 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 36.60 dB

ABM1 comp = 3.24 dBA/m

BWC Factor = 10.69 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=10mm, dy=10mm

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

Output Gain: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.69 dB

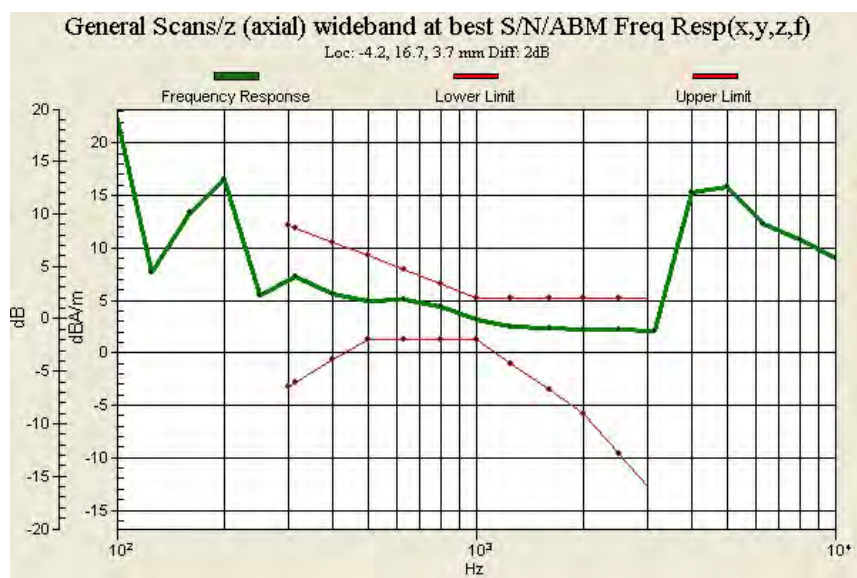
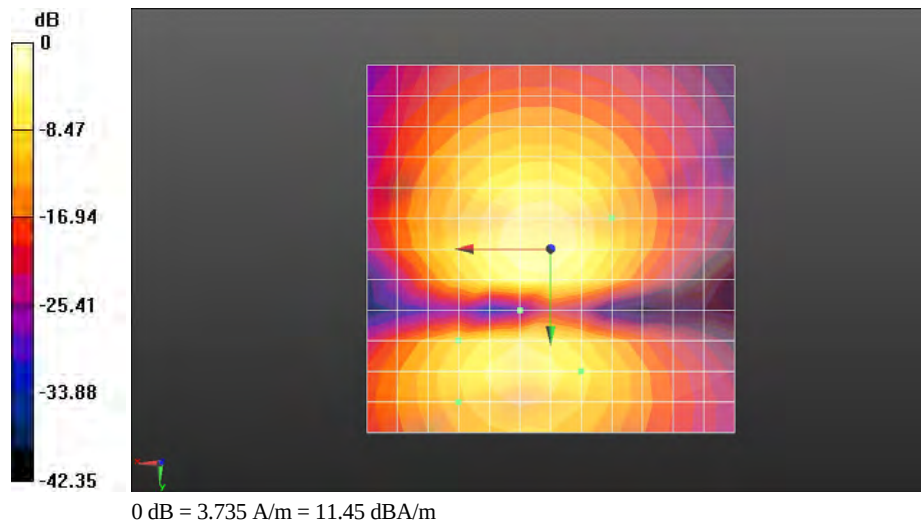
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 2.00 dB

BWC Factor = 10.69 dB

Location: -4.2, 16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band IV 1413CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 11.50 dBA/m

BWC Factor = -0.15 dB

Location: 0, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.15 dB

Device Reference Point: 0, 0, -6.3 mm

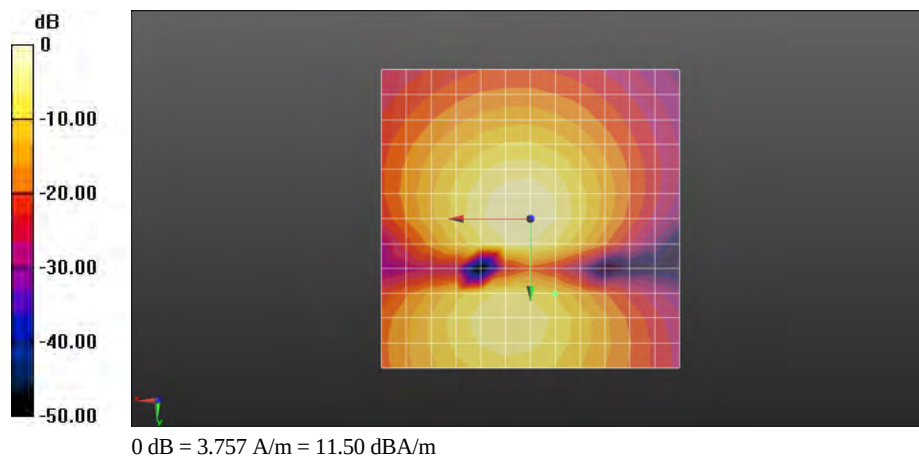
Cursor:

ABM1/ABM2 = 37.11 dB

ABM1 comp = 1.30 dBA/m

BWC Factor = -0.15 dB

Location: -4.2, 12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band IV 1413CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.24 dBA/m

BWC Factor = -0.15 dB

Location: 4.2, 8.3, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.15 dB

Device Reference Point: 0, 0, -6.3 mm

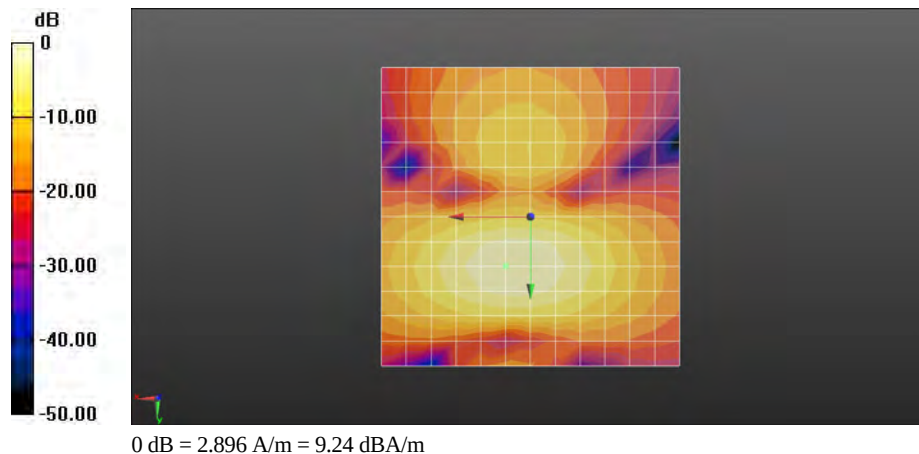
Cursor:

ABM1/ABM2 = 37.20 dB

ABM1 comp = -1.31 dBA/m

BWC Factor = -0.15 dB

Location: 0, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band IV 1413CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.15 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.57 dBA/m

BWC Factor = -0.15 dB

Location: -8.3, -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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.15 dB

Device Reference Point: 0, 0, -6.3 mm

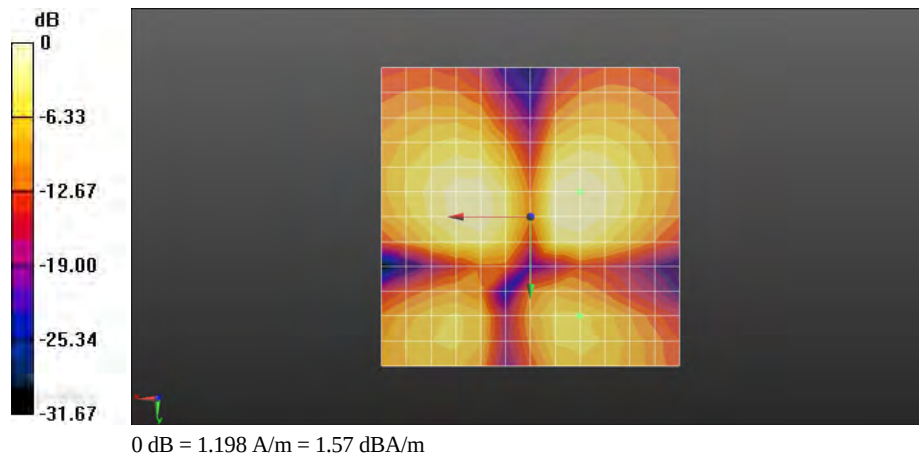
Cursor:

ABM1/ABM2 = 36.89 dB

ABM1 comp = -3.92 dBA/m

BWC Factor = -0.15 dB

Location: -8.3, 16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band IV 1413CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.50 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = -0.01 dBA/m

BWC Factor = 10.50 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.50 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 36.04 dB

ABM1 comp = -0.01 dBA/m

BWC Factor = 10.50 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.50 dB

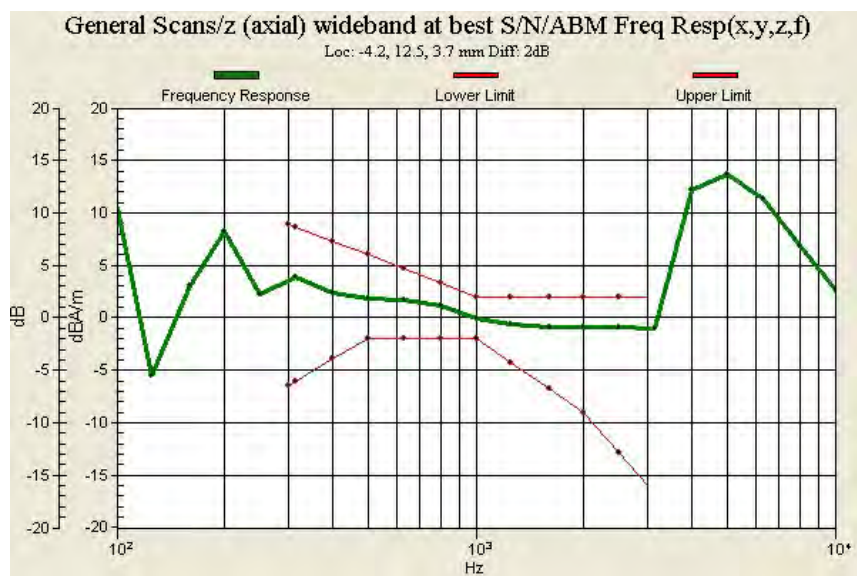
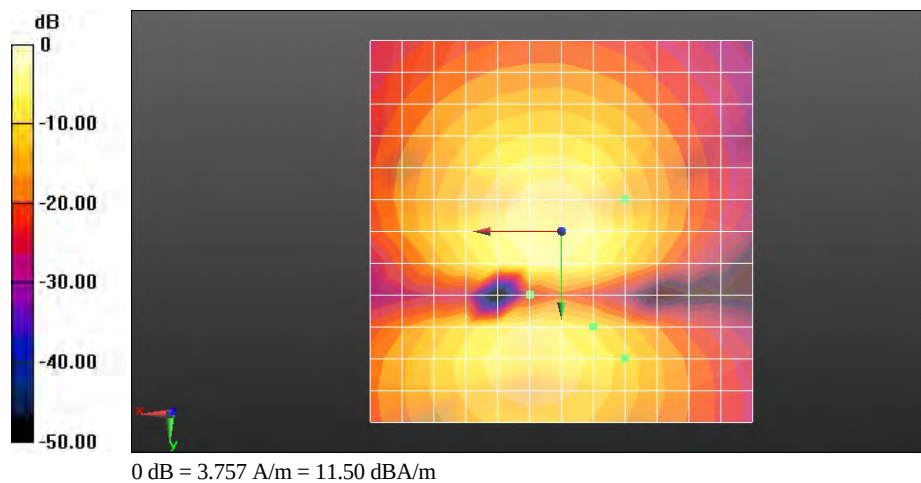
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 2.00 dB

BWC Factor = 10.50 dB

Location: -4.2, 12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band V 4182CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.61 dBA/m

BWC Factor = -0.17 dB

Location: -8.3, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.17 dB

Device Reference Point: 0, 0, -6.3 mm

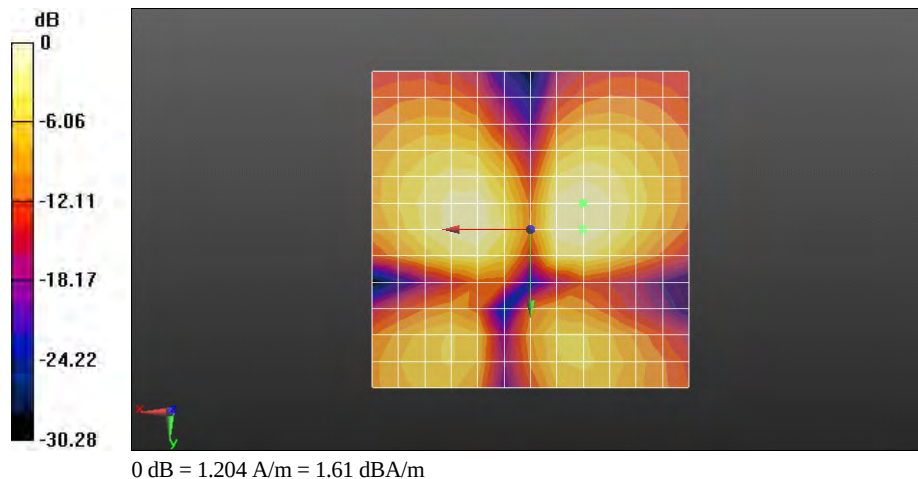
Cursor:

ABM1/ABM2 = 36.91 dB

ABM1 comp = 1.53 dBA/m

BWC Factor = -0.17 dB

Location: -8.3, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band V 4182CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 11.57 dBA/m

BWC Factor = -0.17 dB

Location: 0, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.17 dB

Device Reference Point: 0, 0, -6.3 mm

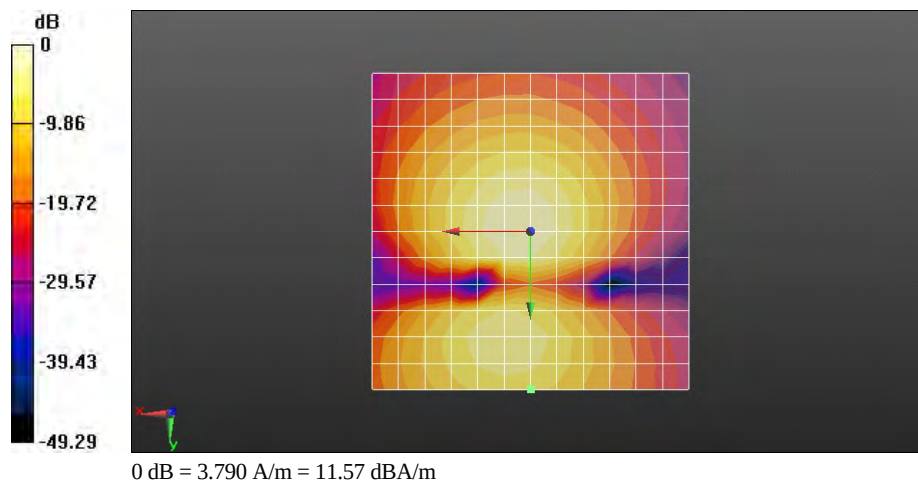
Cursor:

ABM1/ABM2 = 37.26 dB

ABM1 comp = 3.07 dBA/m

BWC Factor = -0.17 dB

Location: 0, 25, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band V 4182CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.17 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.16 dBA/m

BWC Factor = -0.17 dB

Location: 4.2, 8.3, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.17 dB

Device Reference Point: 0, 0, -6.3 mm

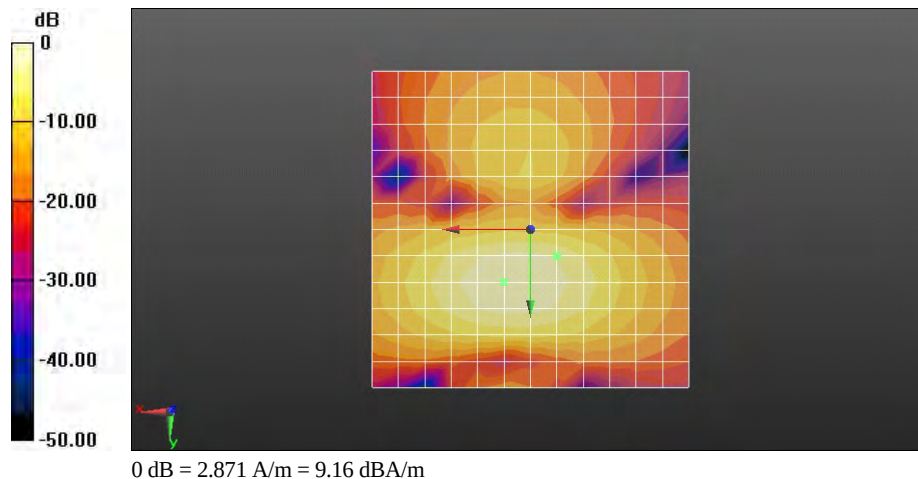
Cursor:

ABM1/ABM2 = 37.33 dB

ABM1 comp = 5.46 dBA/m

BWC Factor = -0.17 dB

Location: -4.2, 4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band V 4182CH

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.49 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.85 dBA/m

BWC Factor = 10.49 dB

Location: 0, 25, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.49 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 35.98 dB

ABM1 comp = 1.85 dBA/m

BWC Factor = 10.49 dB

Location: 0, 25, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.49 dB

Device Reference Point: 0, 0, -6.3 mm

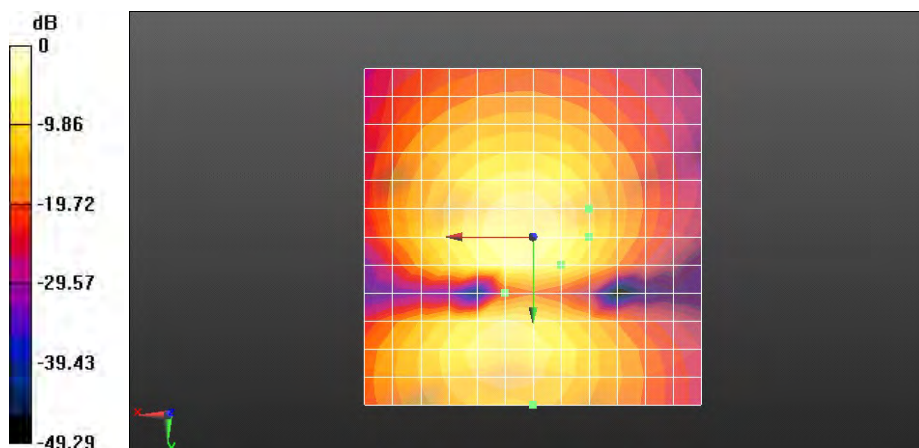
.

Cursor:

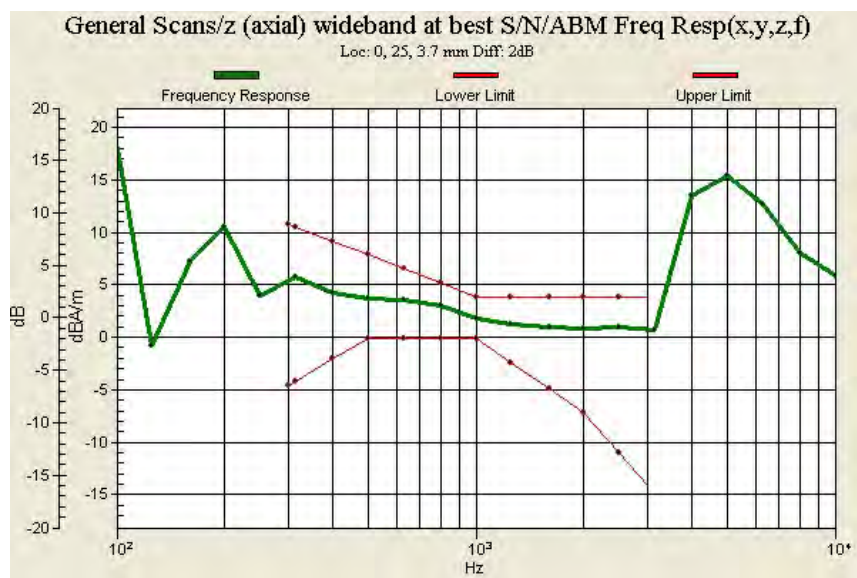
Diff = 2.00 dB

BWC Factor = 10.49 dB

Location: 0, 25, 3.7 mm



0 dB = 3.790 A/m = 11.57 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM850 190CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.19 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 11.86 dBA/m

BWC Factor = -0.19 dB

Location: 0, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.19 dB

Device Reference Point: 0, 0, -6.3 mm

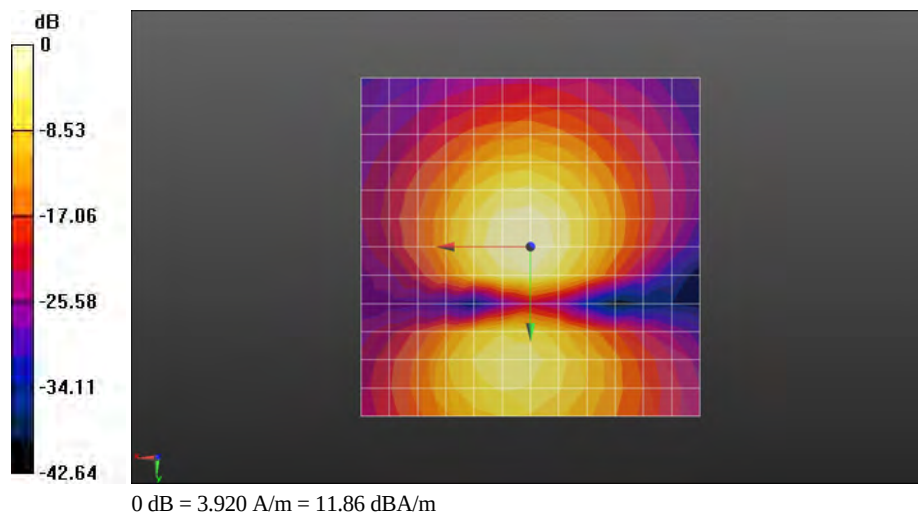
Cursor:

ABM1/ABM2 = 29.89 dB

ABM1 comp = 11.86 dBA/m

BWC Factor = -0.19 dB

Location: 0, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM850 190CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.19 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.69 dBA/m

BWC Factor = -0.19 dB

Location: 4.2, 8.3, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.19 dB

Device Reference Point: 0, 0, -6.3 mm

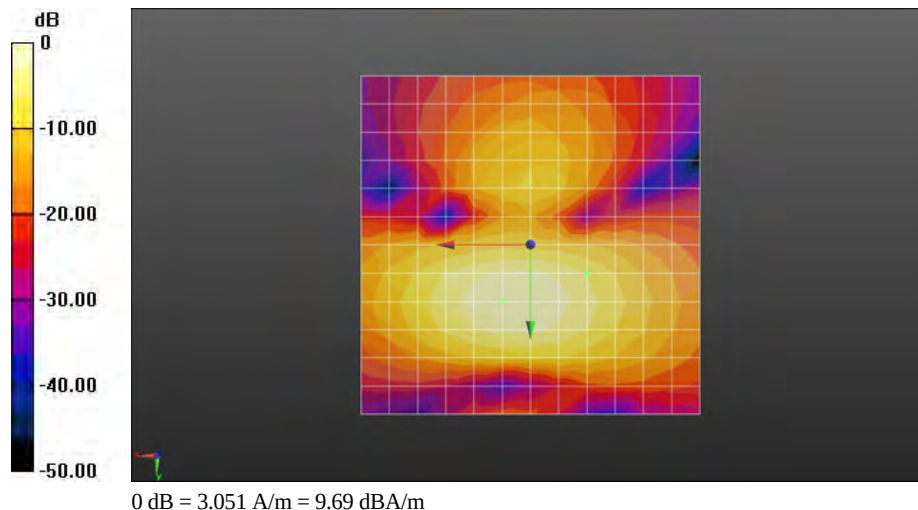
Cursor:

ABM1/ABM2 = 35.95 dB

ABM1 comp = 2.90 dBA/m

BWC Factor = -0.19 dB

Location: -8.3, 4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM850 190CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.19 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.96 dBA/m

BWC Factor = -0.19 dB

Location: -8.3, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.19 dB

Device Reference Point: 0, 0, -6.3 mm

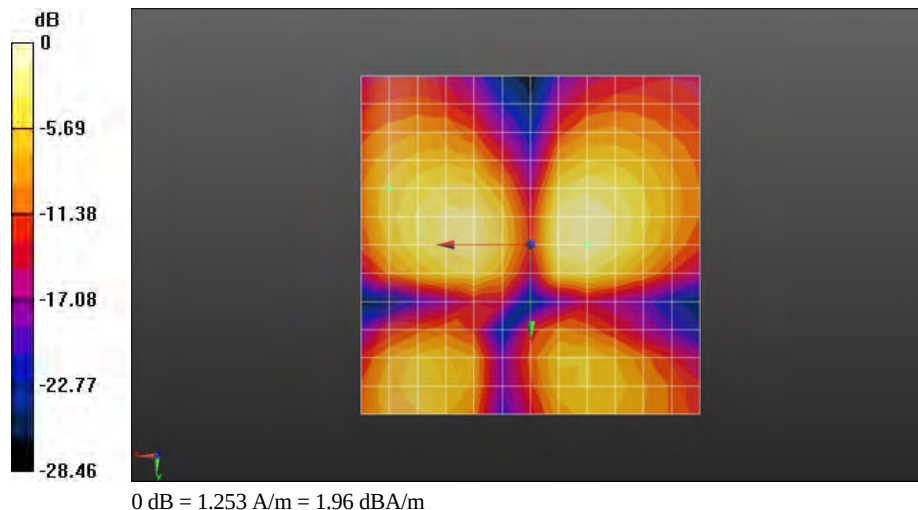
Cursor:

ABM1/ABM2 = 26.96 dB

ABM1 comp = -4.71 dBA/m

BWC Factor = -0.19 dB

Location: 20.8, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM850 190CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.38 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.28 dBA/m

BWC Factor = 10.38 dB

Location: 0, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.38 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 27.37 dB

ABM1 comp = 9.28 dBA/m

BWC Factor = 10.38 dB

Location: 0, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.38 dB

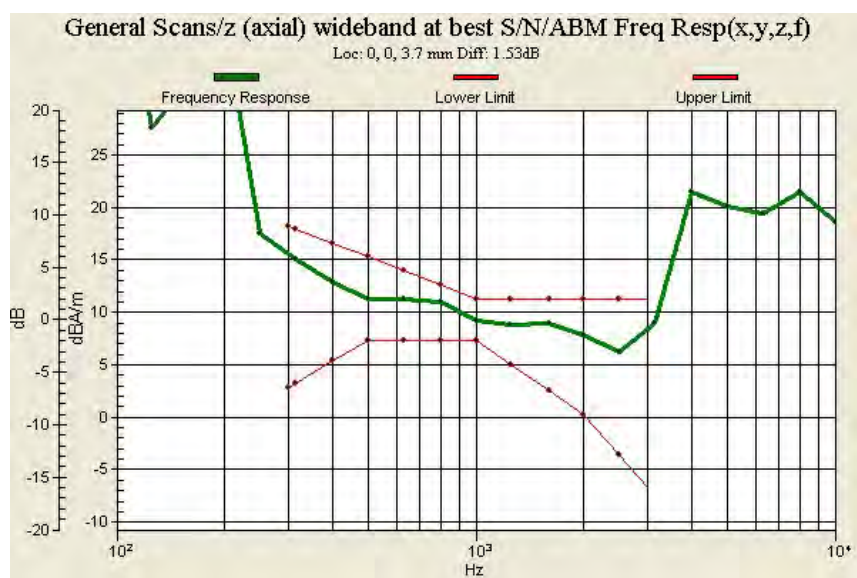
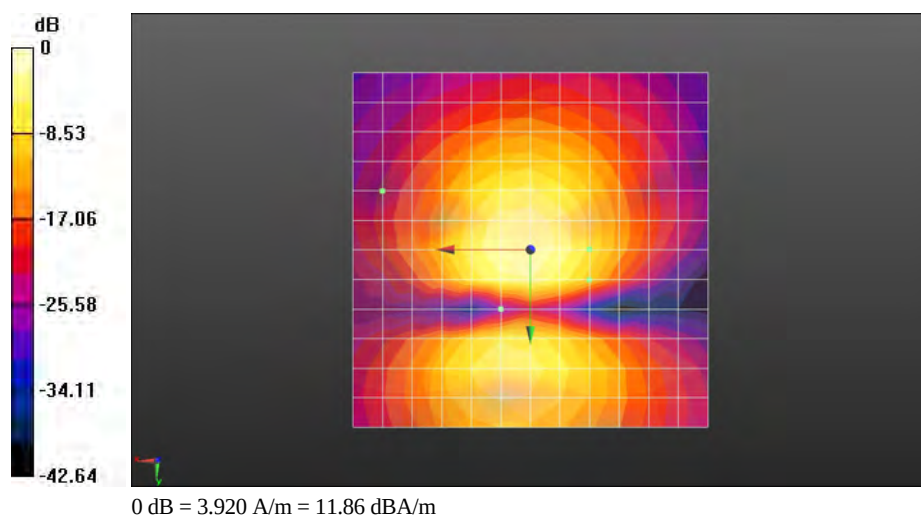
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 1.53 dB

BWC Factor = 10.38 dB

Location: 0, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM1900 661CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.06 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 13.07 dBA/m

BWC Factor = 1.06 dB

Location: 0, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.06 dB

Device Reference Point: 0, 0, -6.3 mm

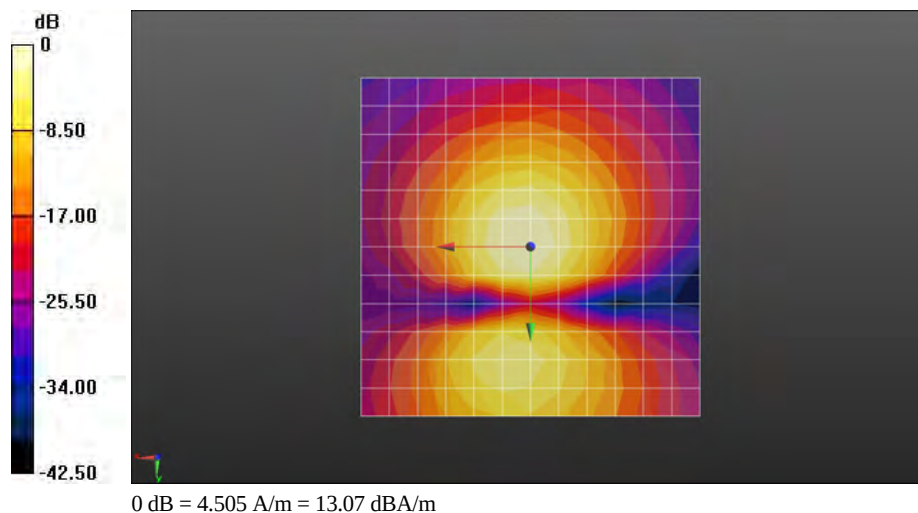
Cursor:

ABM1/ABM2 = 31.20 dB

ABM1 comp = 13.07 dBA/m

BWC Factor = 1.06 dB

Location: 0, 0, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM1900 661CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.06 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 10.75 dBA/m

BWC Factor = 1.06 dB

Location: 4.2, 8.3, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.06 dB

Device Reference Point: 0, 0, -6.3 mm

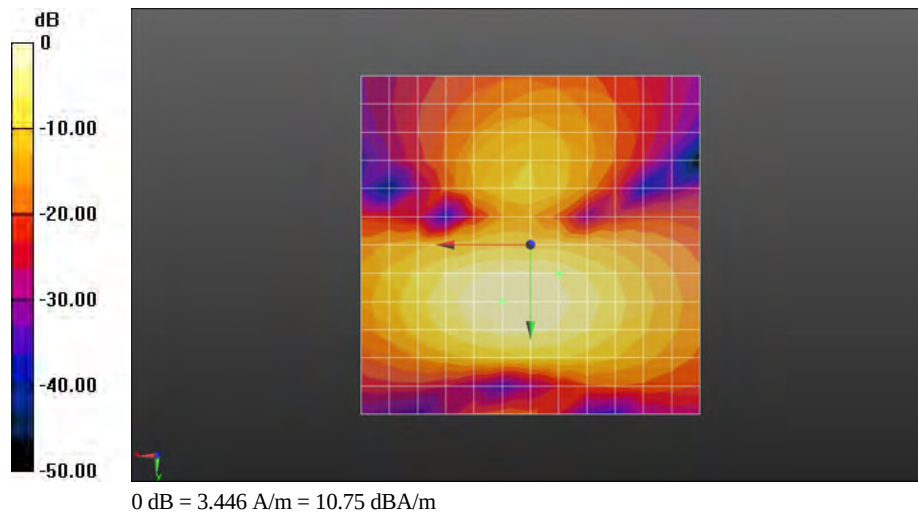
Cursor:

ABM1/ABM2 = 37.10 dB

ABM1 comp = 6.99 dBA/m

BWC Factor = 1.06 dB

Location: -4.2, 4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM1900 661CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.06 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.19 dBA/m

BWC Factor = 1.06 dB

Location: -8.3, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 1.06 dB

Device Reference Point: 0, 0, -6.3 mm

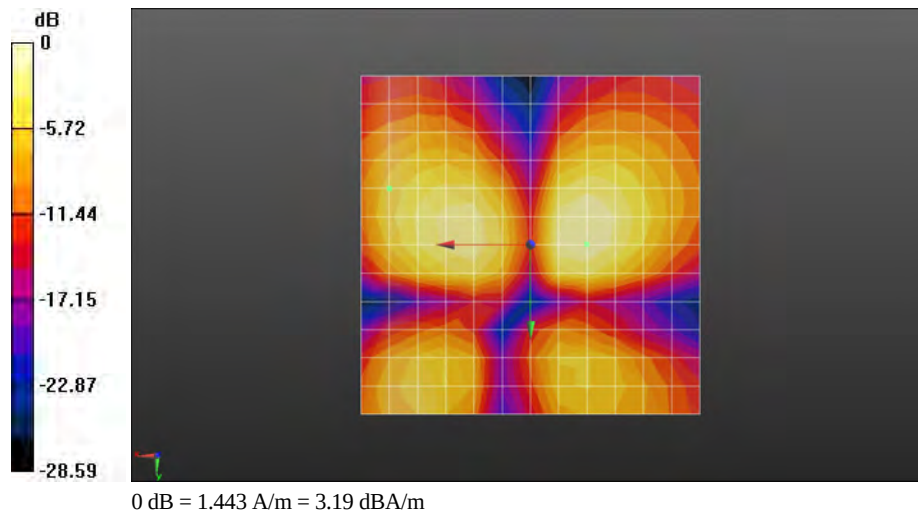
Cursor:

ABM1/ABM2 = 27.65 dB

ABM1 comp = -3.55 dBA/m

BWC Factor = 1.06 dB

Location: 20.8, -8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_GSM1900 661CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.87 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.78 dBA/m

BWC Factor = 10.87 dB

Location: 0, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.87 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 27.91 dB

ABM1 comp = 9.78 dBA/m

BWC Factor = 10.87 dB

Location: 0, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.87 dB

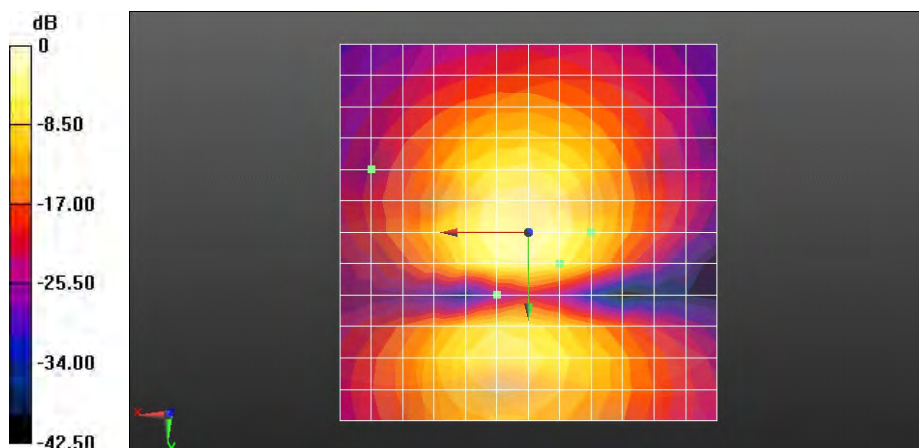
Device Reference Point: 0, 0, -6.3 mm

Cursor:

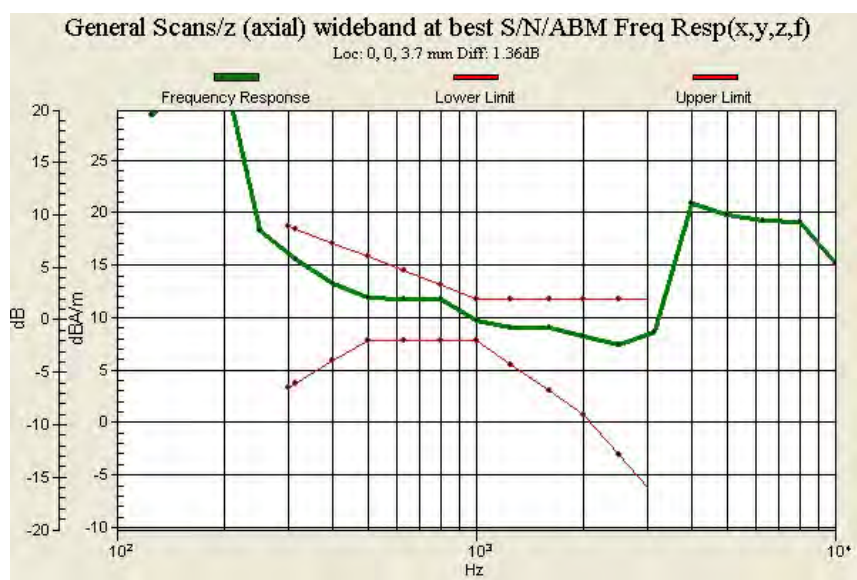
Diff = 1.36 dB

BWC Factor = 10.87 dB

Location: 0, 0, 3.7 mm



0 dB = 4.505 A/m = 13.07 dBA/m



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band II 9400CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.06 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 11.91 dBA/m

BWC Factor = 0.06 dB

Location: 0, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.06 dB

Device Reference Point: 0, 0, -6.3 mm

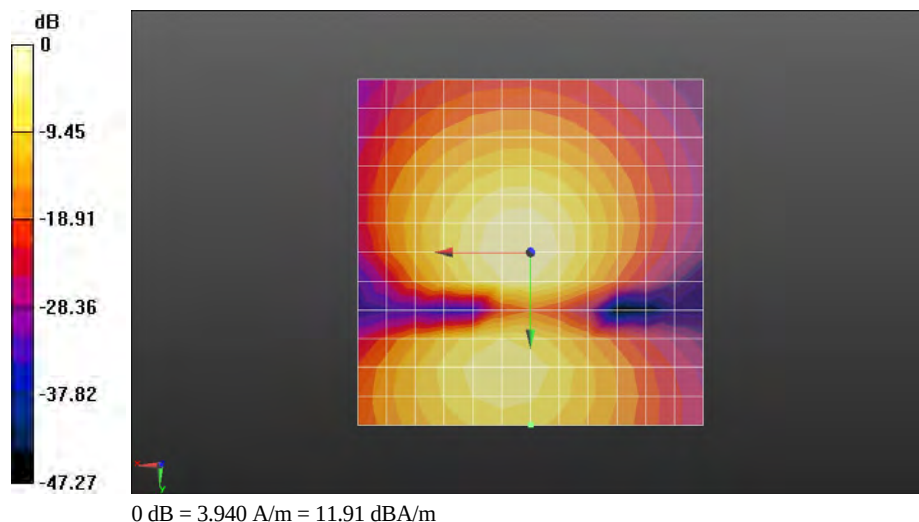
Cursor:

ABM1/ABM2 = 37.62 dB

ABM1 comp = 3.43 dBA/m

BWC Factor = 0.06 dB

Location: 0, 25, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band II 9400CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.06 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.50 dBA/m

BWC Factor = 0.06 dB

Location: 4.2, 8.3, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.06 dB

Device Reference Point: 0, 0, -6.3 mm

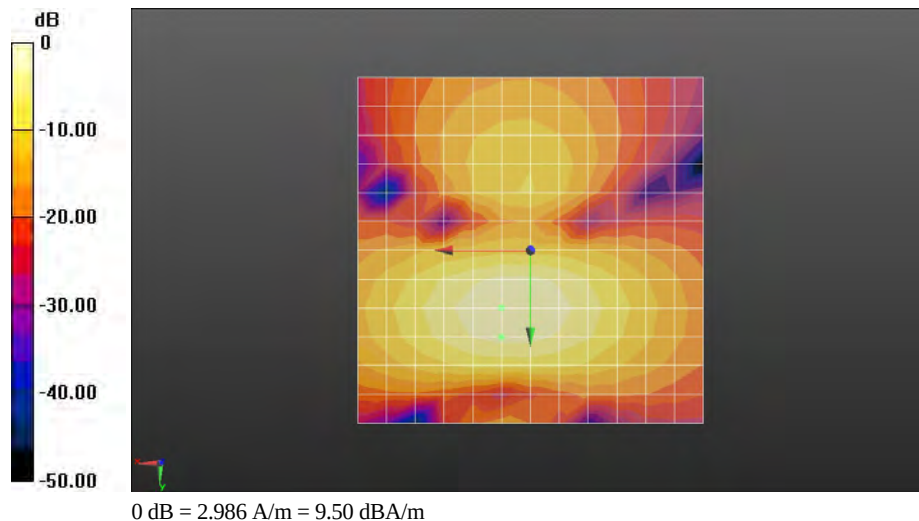
Cursor:

ABM1/ABM2 = 37.65 dB

ABM1 comp = 7.57 dBA/m

BWC Factor = 0.06 dB

Location: 4.2, 12.5, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band II 9400CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.06 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.74 dBA/m

BWC Factor = 0.06 dB

Location: -8.3, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: 0.06 dB

Device Reference Point: 0, 0, -6.3 mm

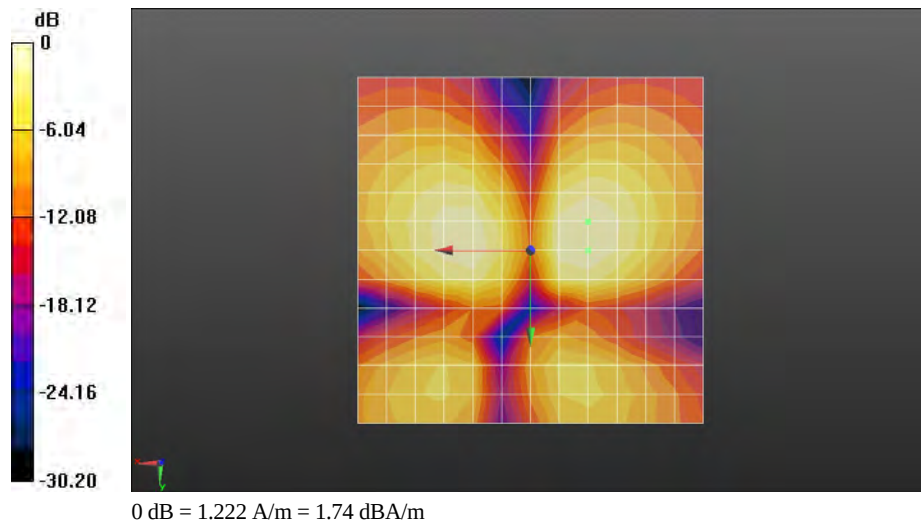
Cursor:

ABM1/ABM2 = 37.26 dB

ABM1 comp = 1.70 dBA/m

BWC Factor = 0.06 dB

Location: -8.3, -4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band II 9400CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.72 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 3.37 dBA/m

BWC Factor = 11.72 dB

Location: 0, 25, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.72 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 37.38 dB

ABM1 comp = 3.37 dBA/m

BWC Factor = 11.72 dB

Location: 0, 25, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 11.72 dB

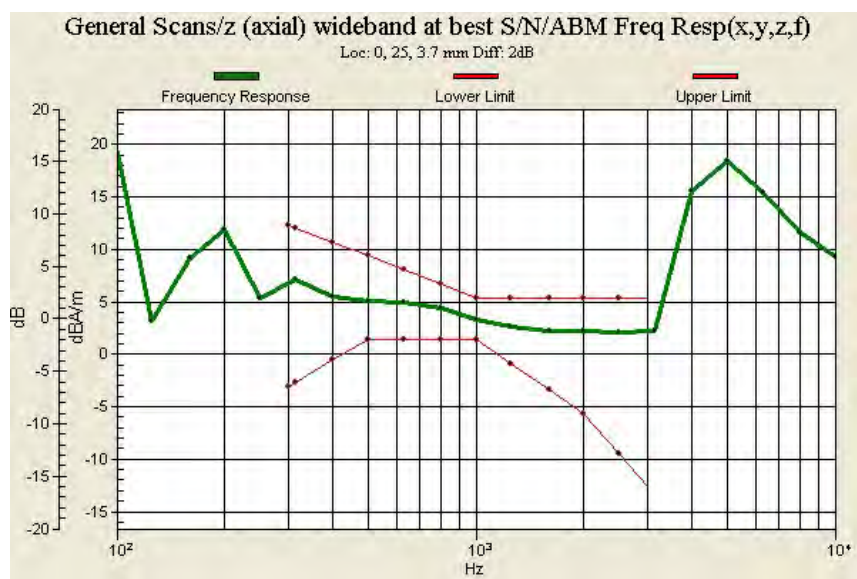
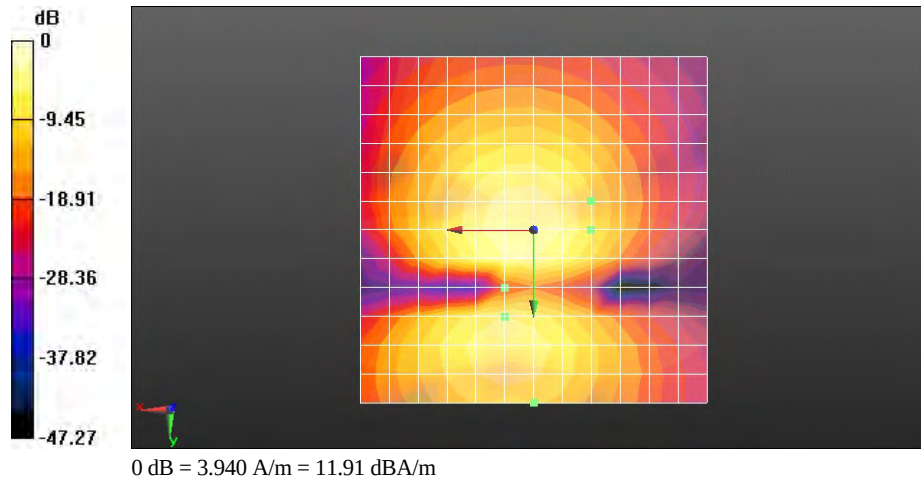
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 2.00 dB

BWC Factor = 11.72 dB

Location: 0, 25, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band IV 1413CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.18 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 11.48 dBA/m

BWC Factor = -0.18 dB

Location: 0, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.18 dB

Device Reference Point: 0, 0, -6.3 mm

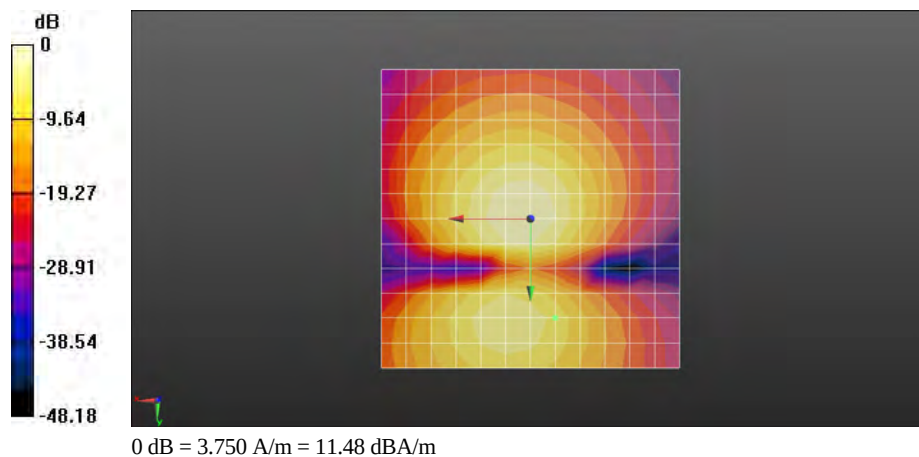
Cursor:

ABM1/ABM2 = 37.18 dB

ABM1 comp = 4.22 dBA/m

BWC Factor = -0.18 dB

Location: -4.2, 16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band IV 1413CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.18 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.07 dBA/m

BWC Factor = -0.18 dB

Location: 4.2, 8.3, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.18 dB

Device Reference Point: 0, 0, -6.3 mm

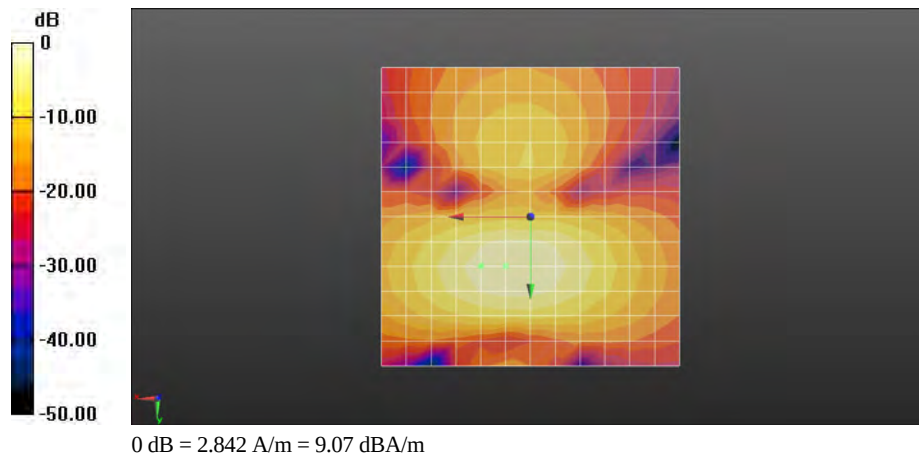
Cursor:

ABM1/ABM2 = 37.22 dB

ABM1 comp = 7.65 dBA/m

BWC Factor = -0.18 dB

Location: 8.3, 8.3, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band IV 1413CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.18 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.54 dBA/m

BWC Factor = -0.18 dB

Location: -8.3, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.18 dB

Device Reference Point: 0, 0, -6.3 mm

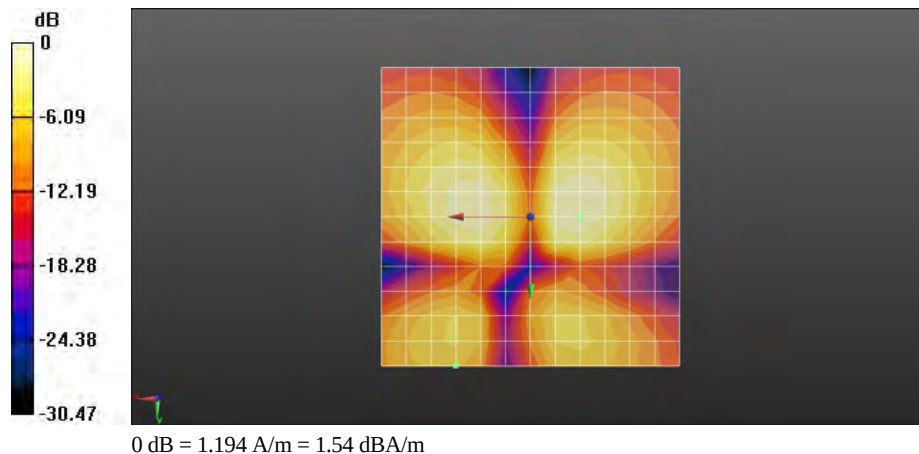
Cursor:

ABM1/ABM2 = 36.87 dB

ABM1 comp = -5.86 dBA/m

BWC Factor = -0.18 dB

Location: 12.5, 25, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band IV 1413CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.44 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 2.88 dBA/m

BWC Factor = 10.44 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=10mm, dy=10mm

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

Output Gain: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.44 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 35.76 dB

ABM1 comp = 2.88 dBA/m

BWC Factor = 10.44 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=10mm, dy=10mm

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

Output Gain: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.44 dB

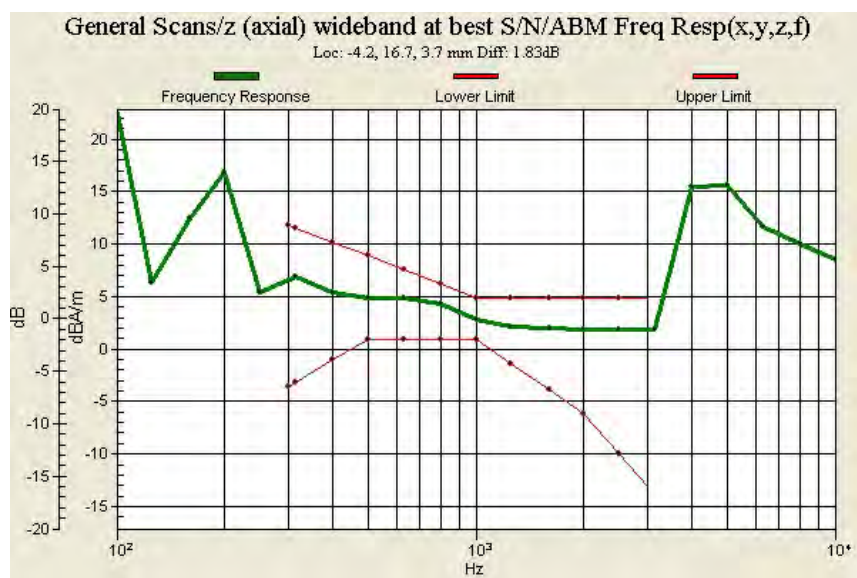
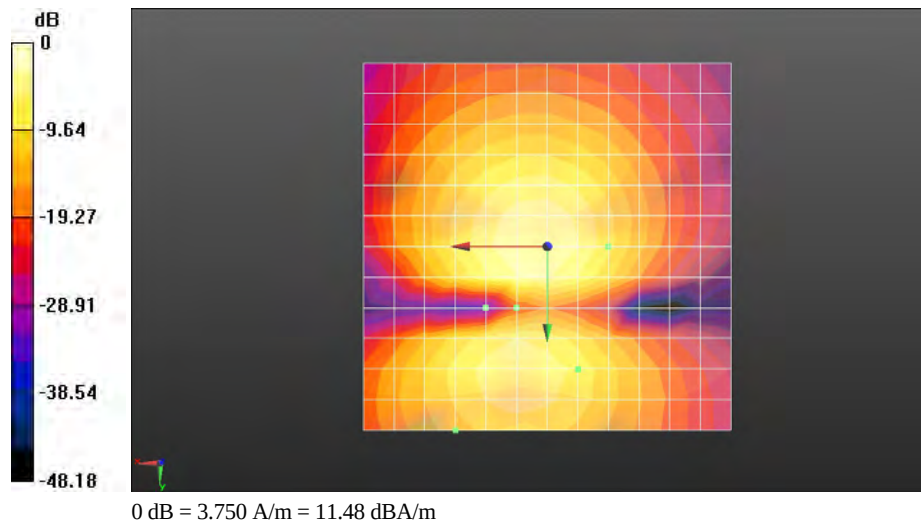
Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 1.83 dB

BWC Factor = 10.44 dB

Location: -4.2, 16.7, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band V 4182CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.21 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 11.50 dBA/m

BWC Factor = -0.21 dB

Location: 0, 0, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.21 dB

Device Reference Point: 0, 0, -6.3 mm

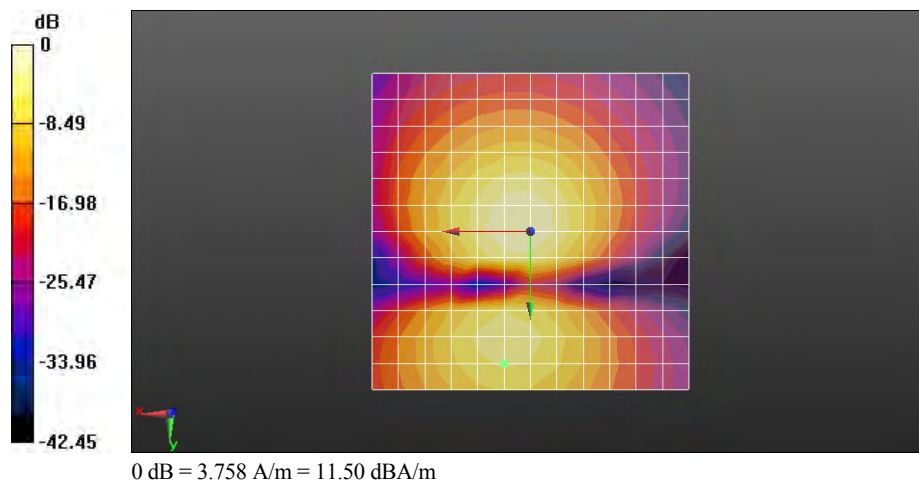
Cursor:

ABM1/ABM2 = 37.20 dB

ABM1 comp = 6.46 dBA/m

BWC Factor = -0.21 dB

Location: 4.2, 20.8, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band V 4182CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.21 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 9.21 dBA/m

BWC Factor = -0.21 dB

Location: 4.2, 8.3, 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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.21 dB

Device Reference Point: 0, 0, -6.3 mm

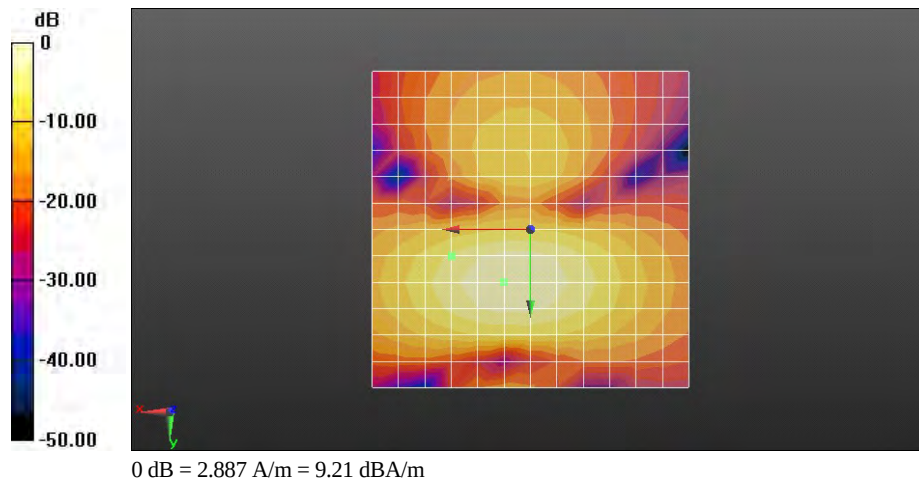
Cursor:

ABM1/ABM2 = 37.09 dB

ABM1 comp = 3.36 dBA/m

BWC Factor = -0.21 dB

Location: 12.5, 4.2, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band V 4182CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.21 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 1.53 dBA/m

BWC Factor = -0.21 dB

Location: -8.3, -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: 38.95

Measure Window Start: 300ms

Measure Window Length: 1000ms

BWC applied: -0.21 dB

Device Reference Point: 0, 0, -6.3 mm

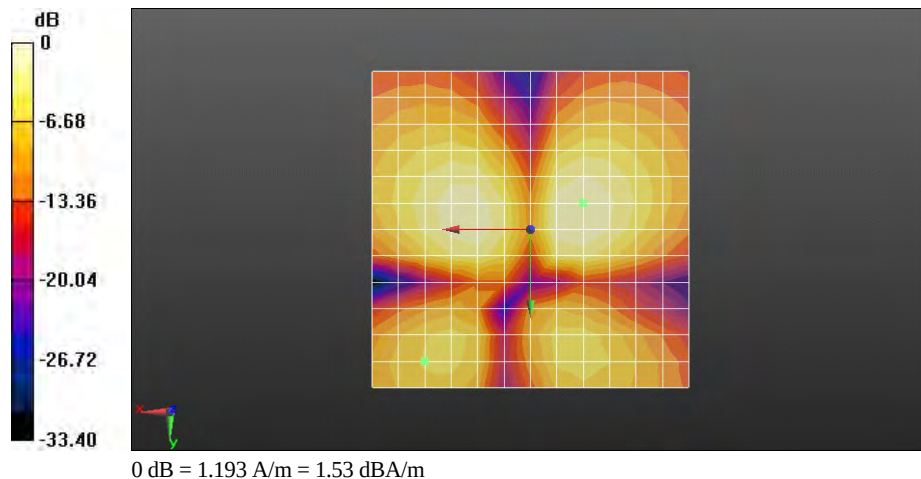
Cursor:

ABM1/ABM2 = 36.87 dB

ABM1 comp = -4.76 dBA/m

BWC Factor = -0.21 dB

Location: 16.7, 20.8, 3.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

U8686-HAC(T-Coil)_UMTS Band V 4182CH with battery 2#

DUT: U8686; Type: HSPA/UMTS/GPRS/GSM/EDGE Mobile Phone; Serial: SAR1

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

Medium parameters used: $\sigma = 0$ mho/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 52.8.3(988); SEMCAD X 14.6.7(6848)

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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.47 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1 comp = 4.34 dBA/m

BWC Factor = 10.47 dB

Location: 4.2, 20.8, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.47 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

ABM1/ABM2 = 35.09 dB

ABM1 comp = 4.34 dBA/m

BWC Factor = 10.47 dB

Location: 4.2, 20.8, 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: 76.28

Measure Window Start: 300ms

Measure Window Length: 2000ms

BWC applied: 10.47 dB

Device Reference Point: 0, 0, -6.3 mm

Cursor:

Diff = 1.66 dB

BWC Factor = 10.47 dB

Location: 4.2, 20.8, 3.7 mm

