

Appendix A

Detailed Test Results

1. GSM
GSM850 for T-coil
GSM1900 for T-coil
2. WCDMA
WCDMA Band II
WCDMA Band IV
WCDMA Band V
3. LTE
LTE Band 2
LTE Band 4
LTE Band 5
LTE Band 12
LTE band 17
LTE Band 66
LTE Band 71
LTE Band 41

Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-GSM850 GSM Voice 190CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium: Air; Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

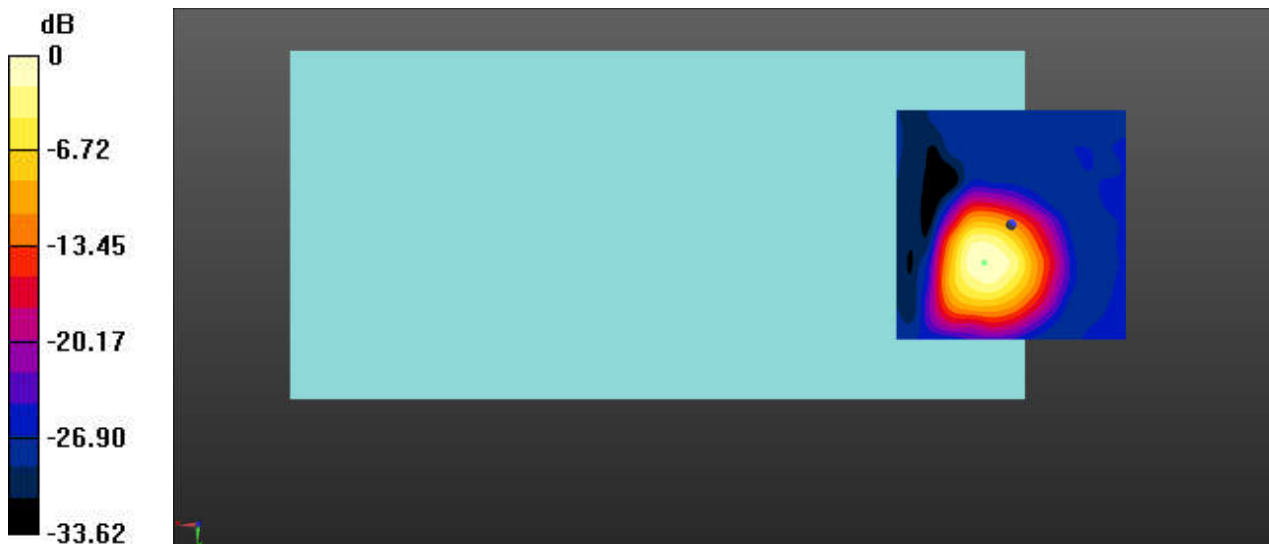
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 20.76 dB

ABM1 comp = -3.01 dBA/m

BWC Factor = 0.16 dB

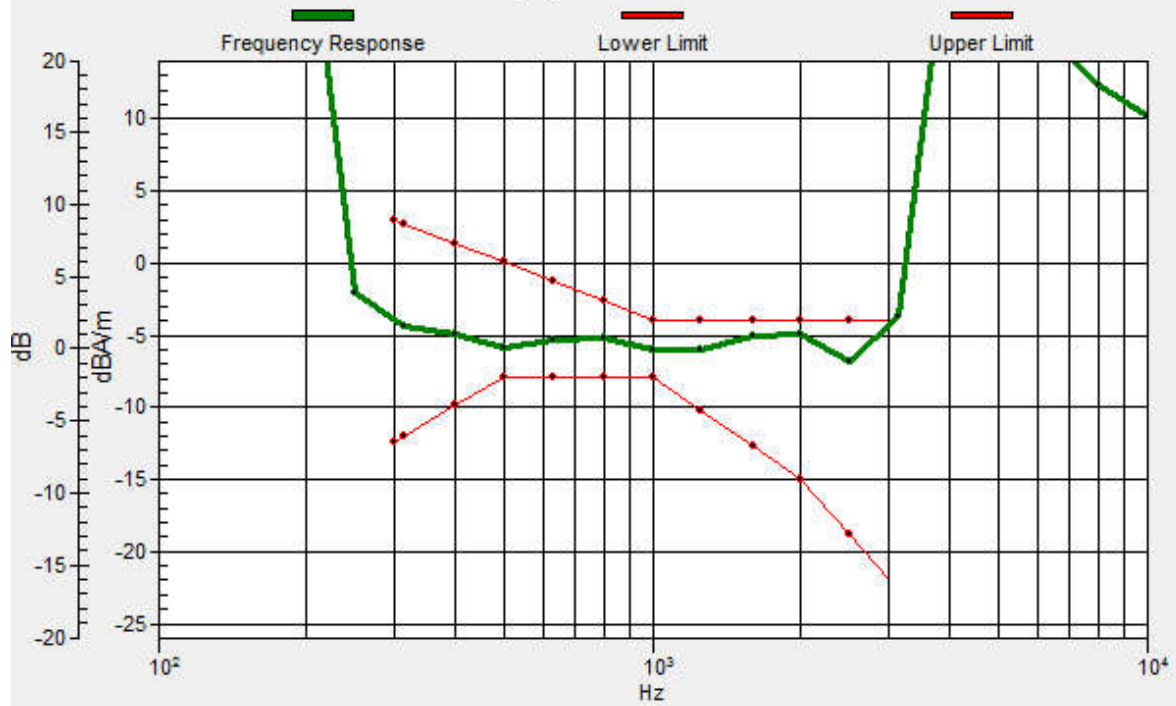
Location: 5.8, 8.3, 3.7 mm



0 dB = 10.92 = 20.76 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 6, 8.2, 3.7 mm Diff: 0.5dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-GSM850 GSM Voice 190CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.30042

Medium: Air; Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

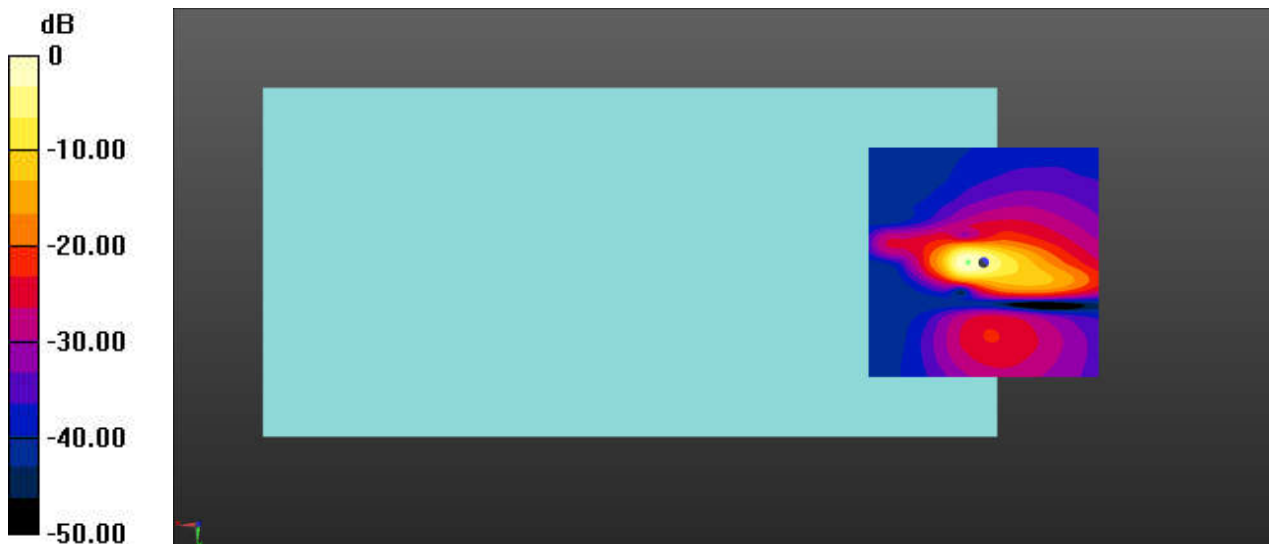
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.82 dB

ABM1 comp = -12.49 dBA/m

BWC Factor = 0.16 dB

Location: 3.3, 0, 3.7 mm



0 dB = 43.77 = 32.82 dB

Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-GSM1900 GSM Voice 661CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium: Air; Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

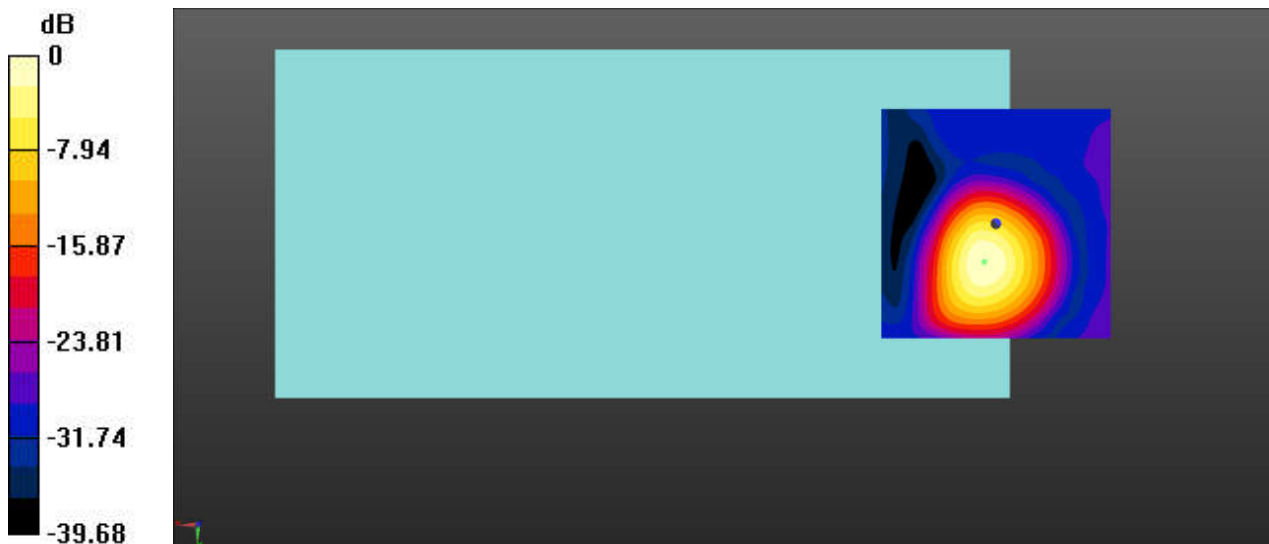
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 24.34 dB

ABM1 comp = -3.91 dBA/m

BWC Factor = 0.16 dB

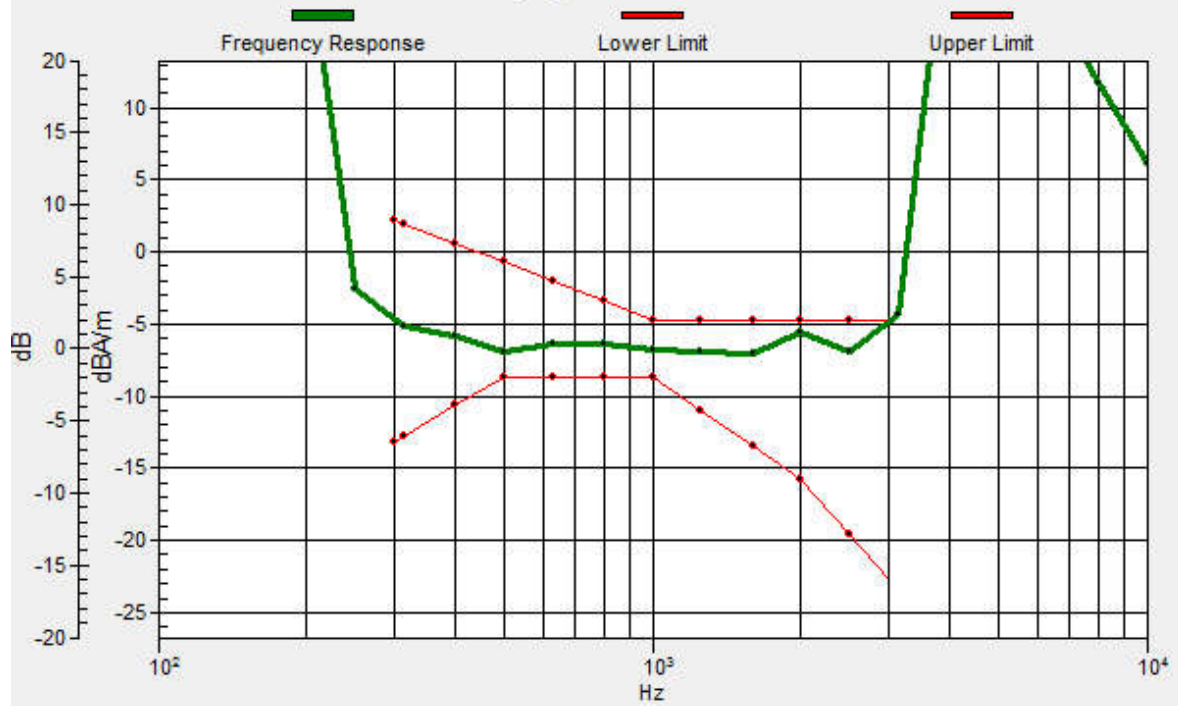
Location: 2.5, 8.3, 3.7 mm



0 dB = 16.48 = 24.34 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 2.7, 8.5, 3.7 mm Diff: 0.24dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-GSM1900 GSM Voice 661CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.30042

Medium: Air; Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

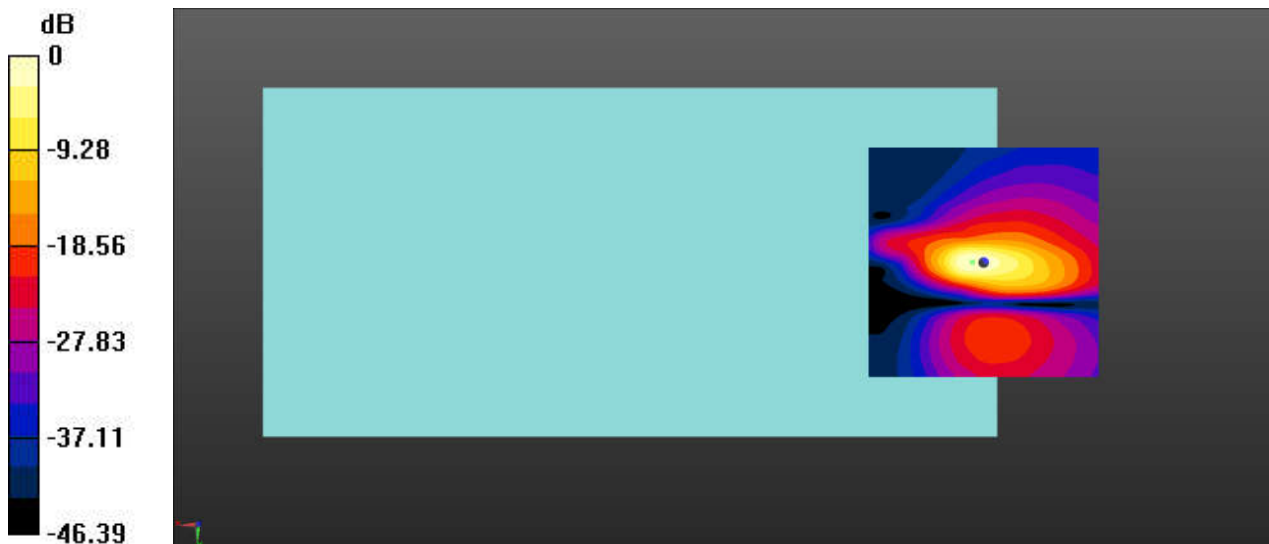
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.45 dB

ABM1 comp = -12.57 dBA/m

BWC Factor = 0.16 dB

Location: 2.5, 0, 3.7 mm



0 dB = 52.77 = 34.45 dB

Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-WCDMA Band II AMR Voice 9400CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

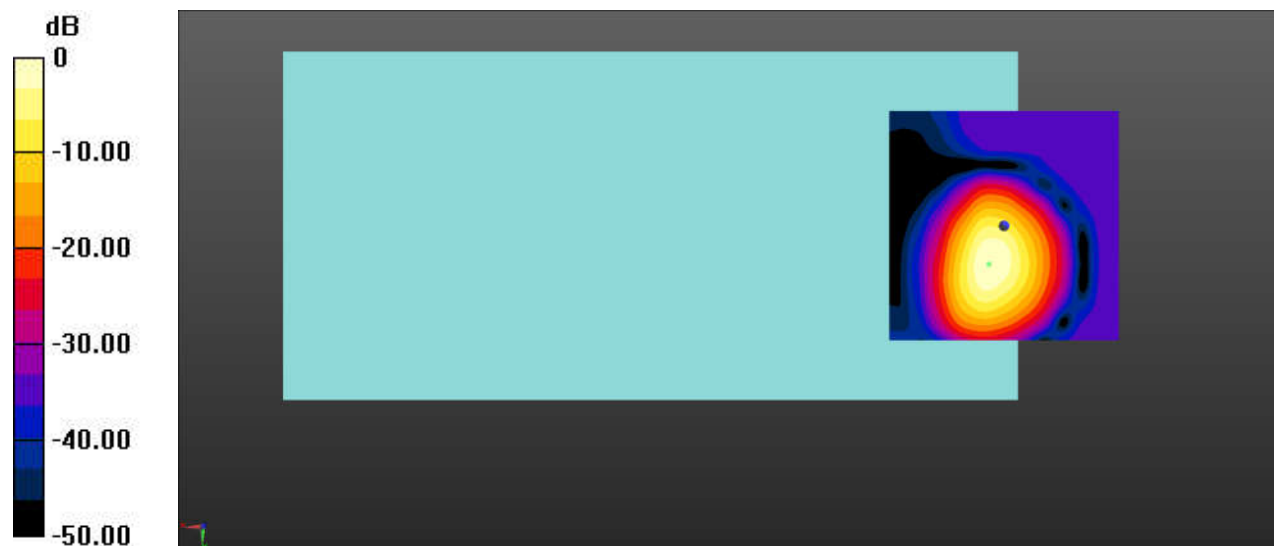
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.73 dB

ABM1 comp = -3.80 dBA/m

BWC Factor = 0.15 dB

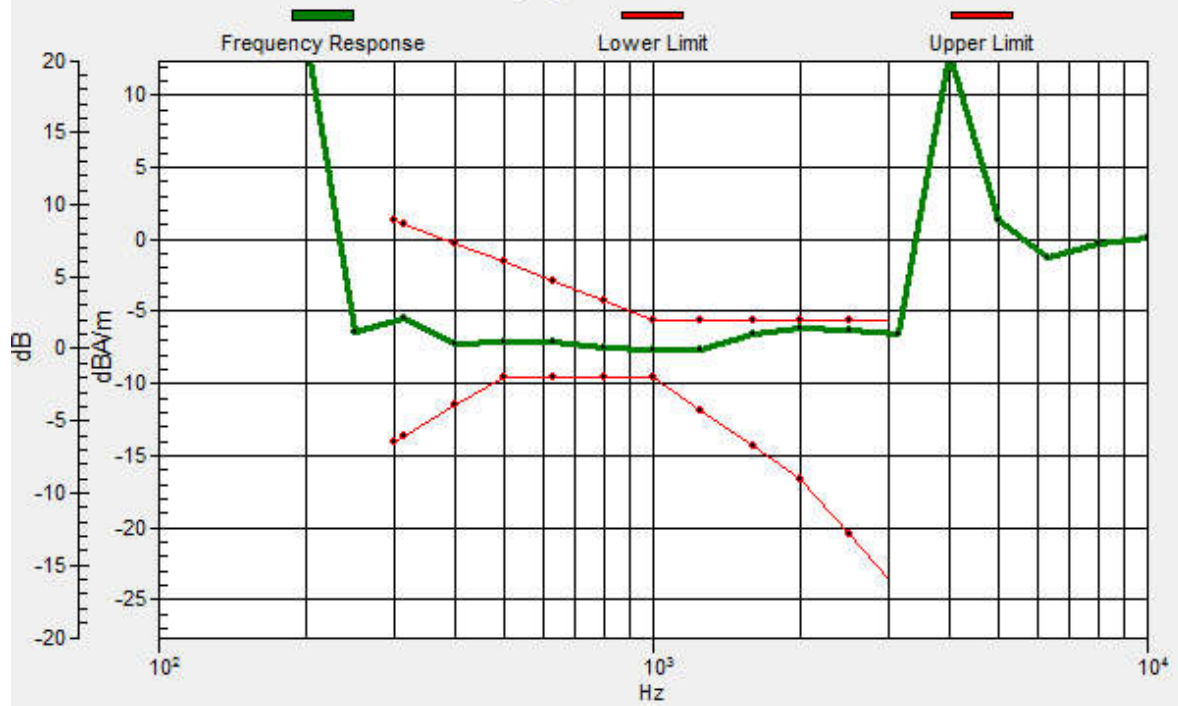
Location: 3.3, 8.3, 3.7 mm



0 dB = 137.0 = 42.73 dB

General Scans/z (axial) wideband at best S/N 3 3/ABM Freq Resp(x,y,z,f)

Loc: 3.3, 8.4, 3.7 mm Diff: 0.53dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-WCDMA Band II AMR Voice 9400CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, WCDMA (0); Frequency: 1880 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.08 dB

ABM1 comp = -13.13 dBA/m

BWC Factor = 0.15 dB

Location: 2.1, 1.7, 3.7 mm



0 dB = 71.42 = 37.08 dB

Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-WCDMA Band IV AMR Voice 1412CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, WCDMA (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

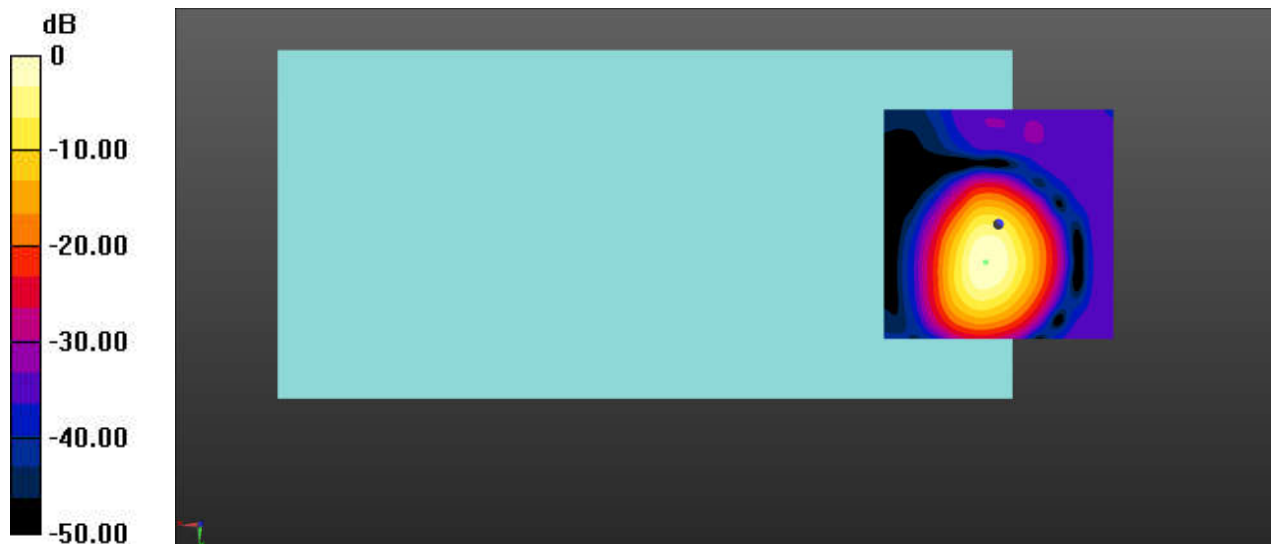
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.91 dB

ABM1 comp = -4.00 dBA/m

BWC Factor = 0.15 dB

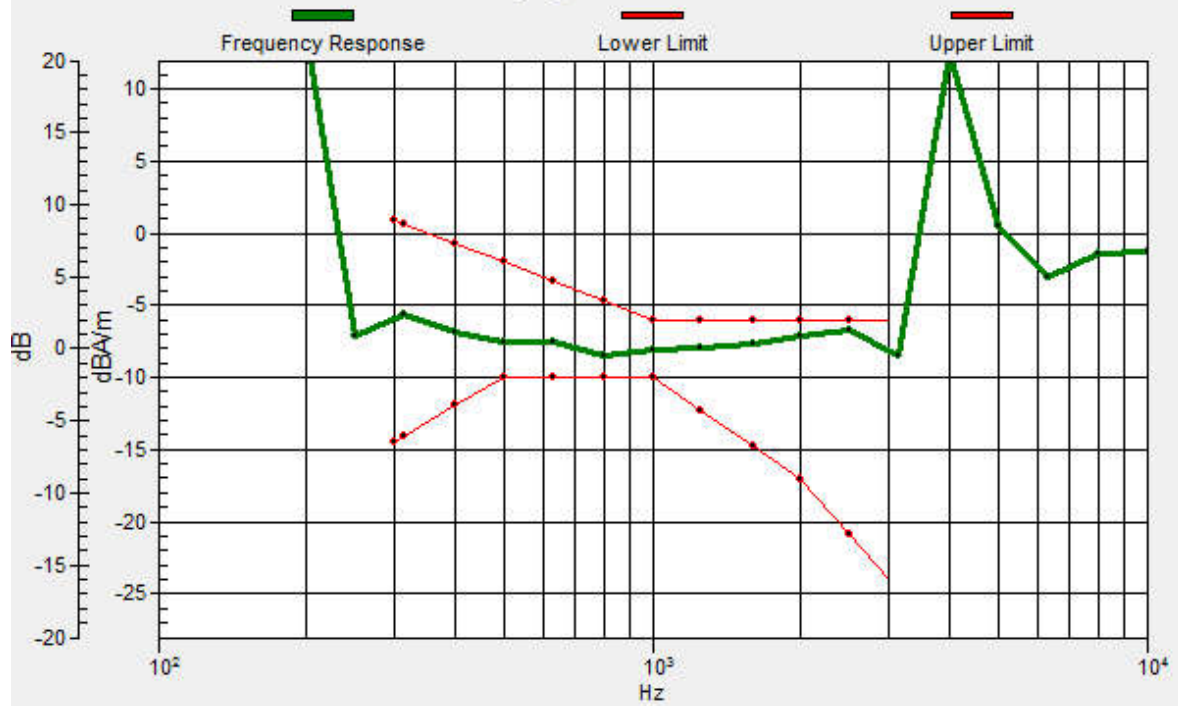
Location: 2.9, 8.3, 3.7 mm



0 dB = 139.9 = 42.91 dB

General Scans/z (axial) wideband at best S/N 3 3 4/ABM Freq Resp(x,y,z,f)

Loc: 2.8, 8.3, 3.7 mm Diff: 0.77dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-WCDMA Band IV AMR Voice 1412CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, WCDMA (0); Frequency: 1732.4 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

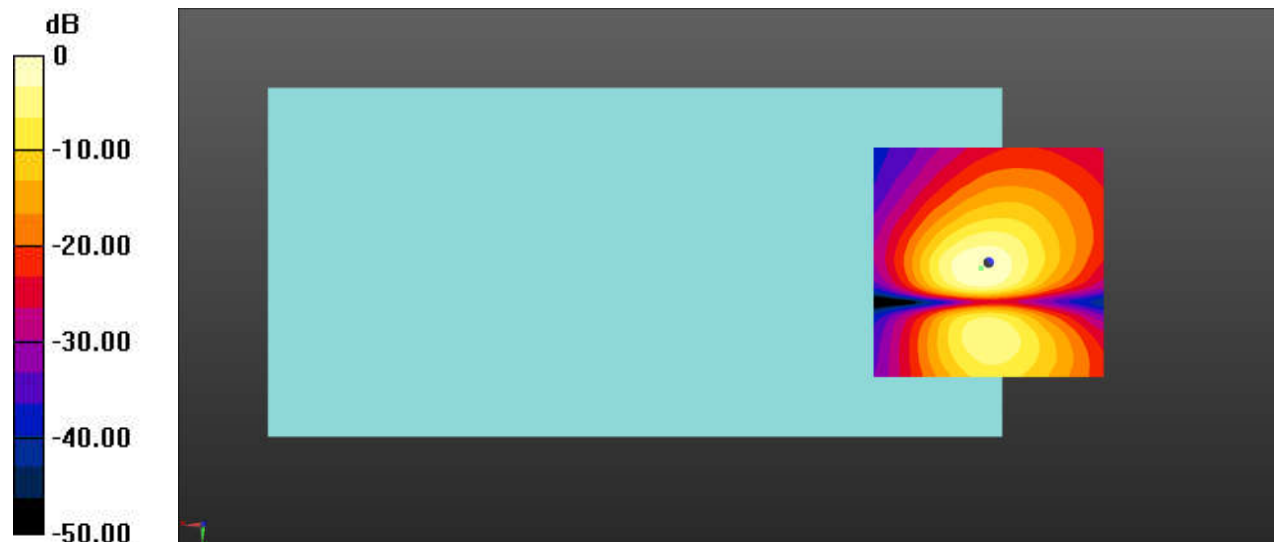
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.18 dB

ABM1 comp = -13.11 dBA/m

BWC Factor = 0.15 dB

Location: 1.7, 1.2, 3.7 mm



0 dB = 72.31 = 37.18 dB

Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-WCDMA Band V AMR Voice 4182CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

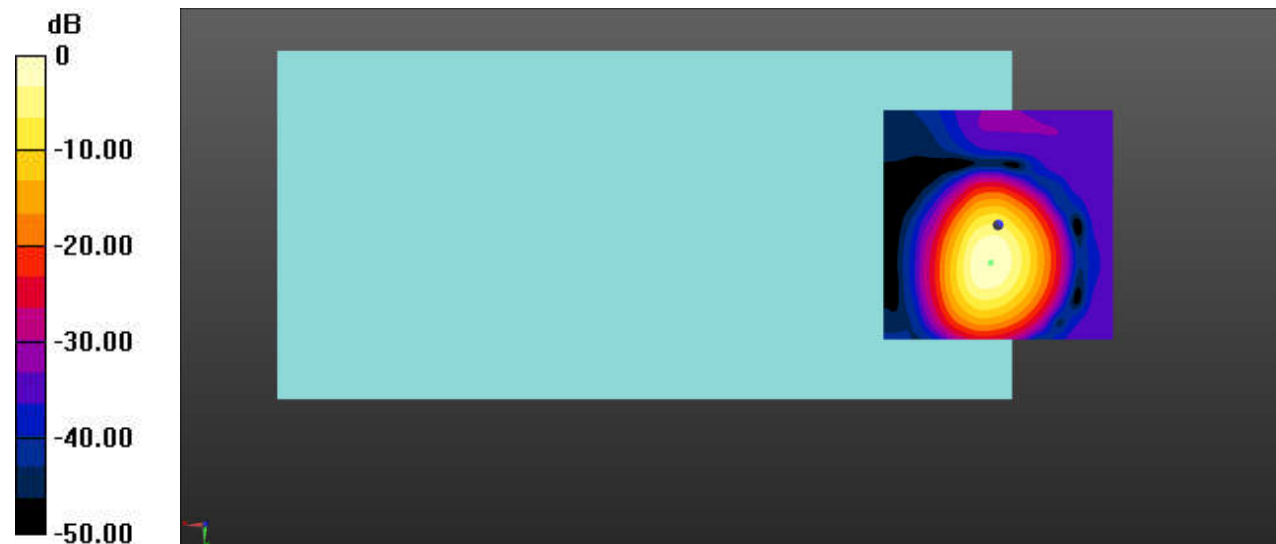
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.38 dB

ABM1 comp = -4.50 dBA/m

BWC Factor = 0.16 dB

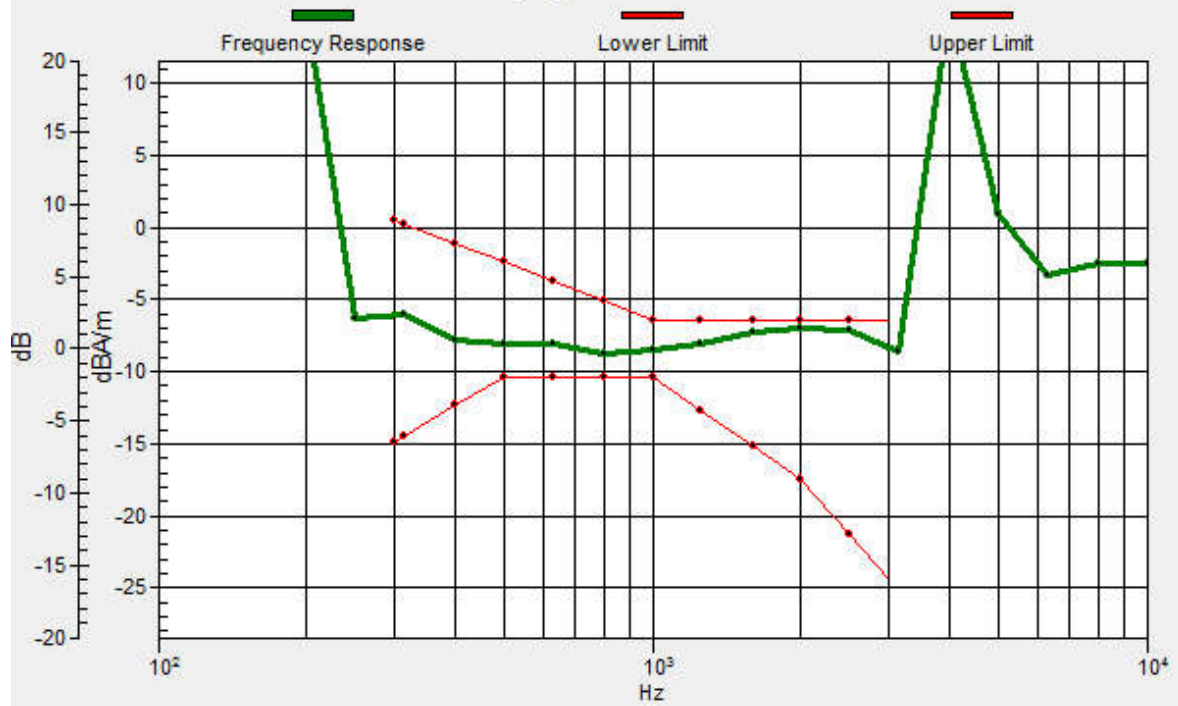
Location: 1.7, 8.3, 3.7 mm



0 dB = 131.5 = 42.38 dB

General Scans/z (axial) wideband at best S/N 3/ABM Freq Resp(x,y,z,f)

Loc: 1.6, 8.2, 3.7 mm Diff: 0.51dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-WCDMA Band V AMR Voice 4182CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, WCDMA (0); Frequency: 836.4 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.92 dB

ABM1 comp = -13.42 dBA/m

BWC Factor = 0.16 dB

Location: 0.8, 1.2, 3.7 mm



0 dB = 70.18 = 36.92 dB

Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 2 20M QPSK 100RB0 18900CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1880 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

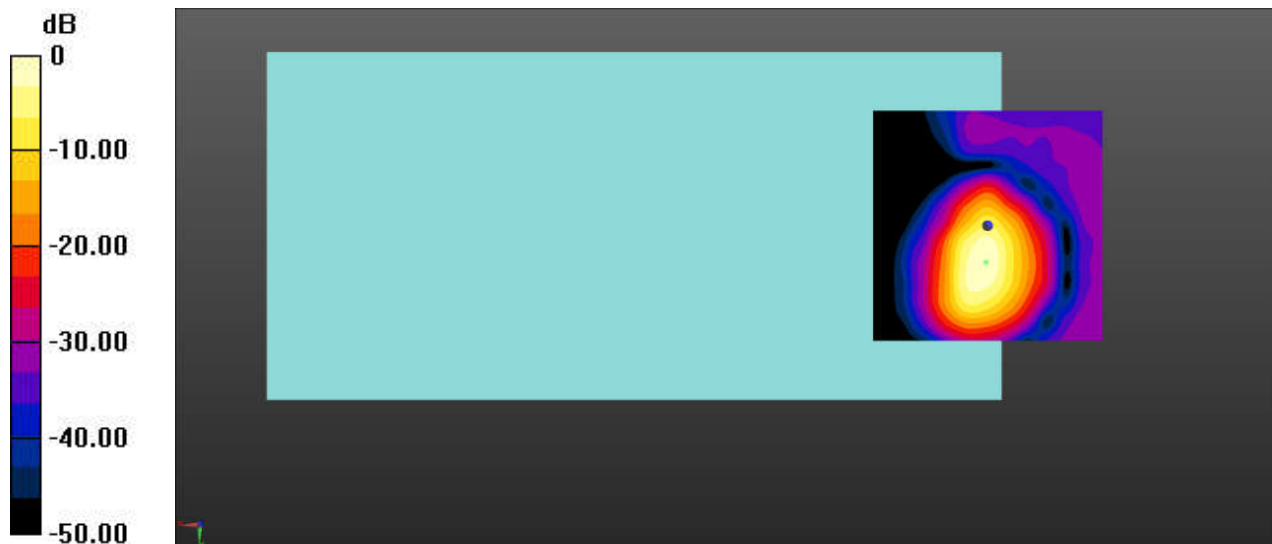
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.64 dB

ABM1 comp = -4.92 dBA/m

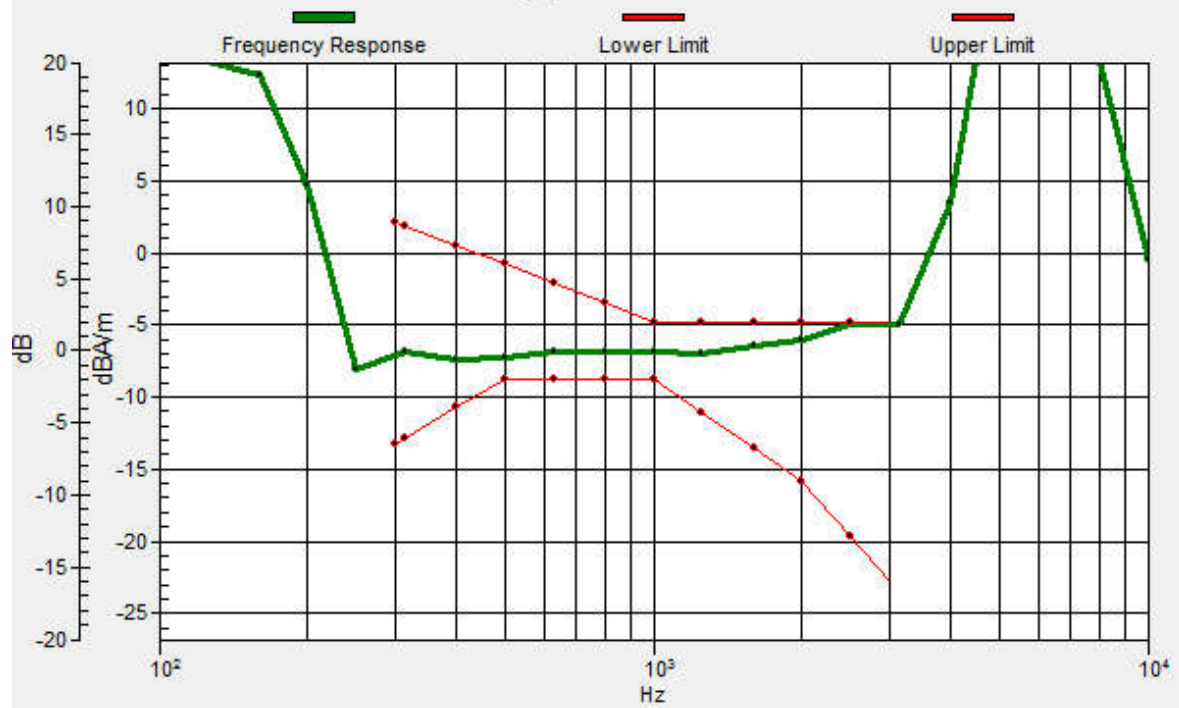
BWC Factor = 0.16 dB

Location: 0.4, 7.9, 3.7 mm



General Scans/z (axial) wideband at best S/N 3 3 4 2/ABM Freq Resp(x,y,z,f)

Loc: 0.4, 8, 3.7 mm Diff: 0.18dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 2 20M QPSK 100RB0 18900CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1880 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

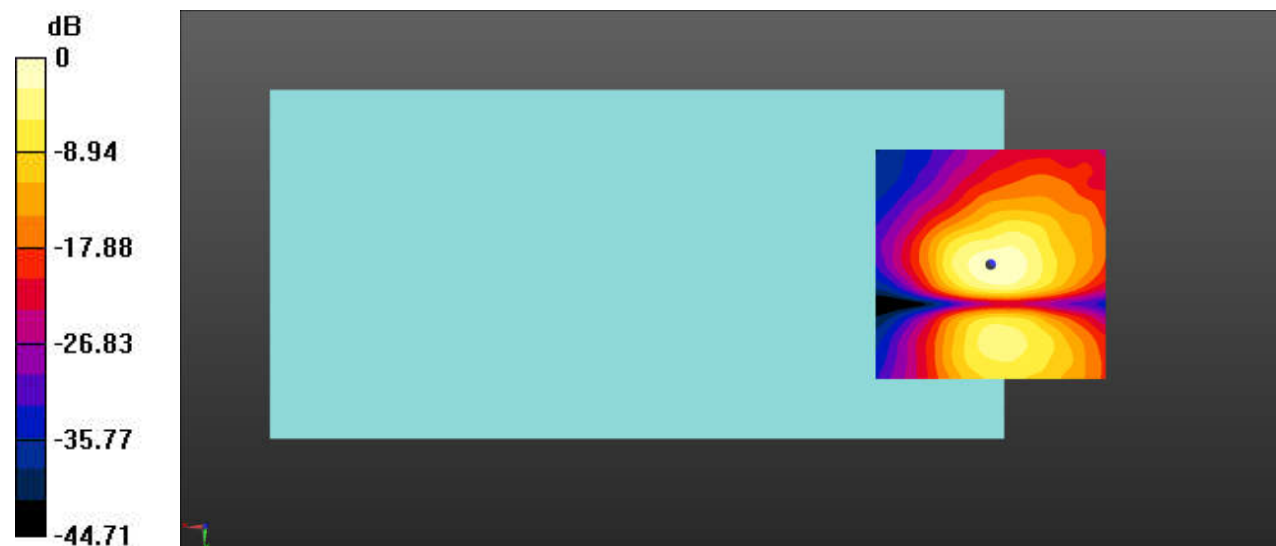
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.60 dB

ABM1 comp = -12.61 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, 0.4, 3.7 mm



0 dB = 38.01 = 31.60 dB

Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 4 20M QPSK 100RB0 20175CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1732.5 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

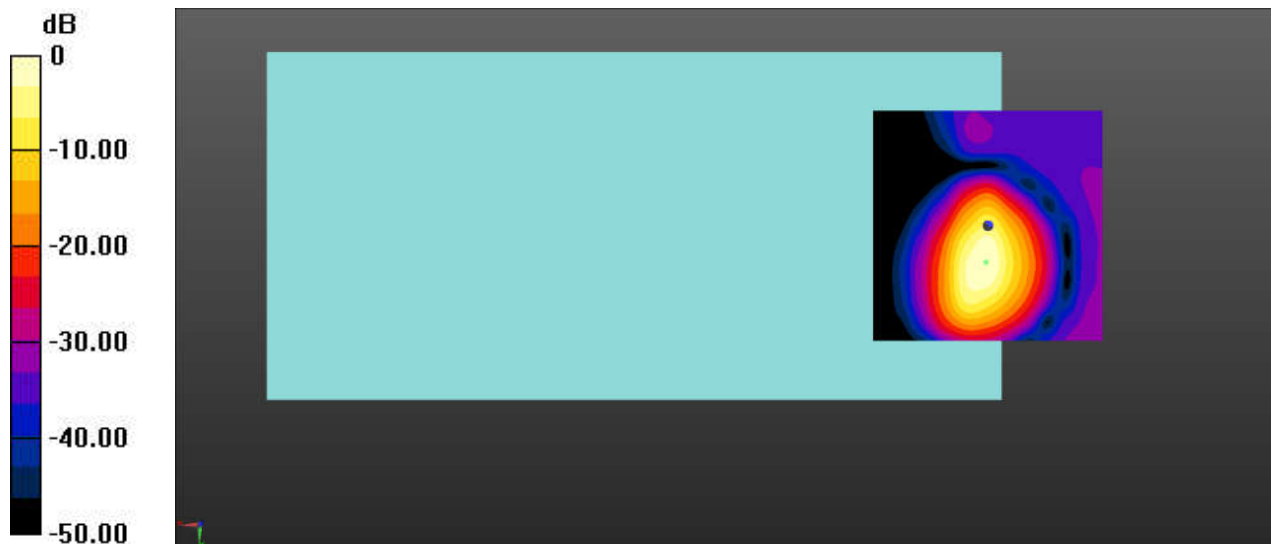
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.62 dB

ABM1 comp = -5.03 dBA/m

BWC Factor = 0.16 dB

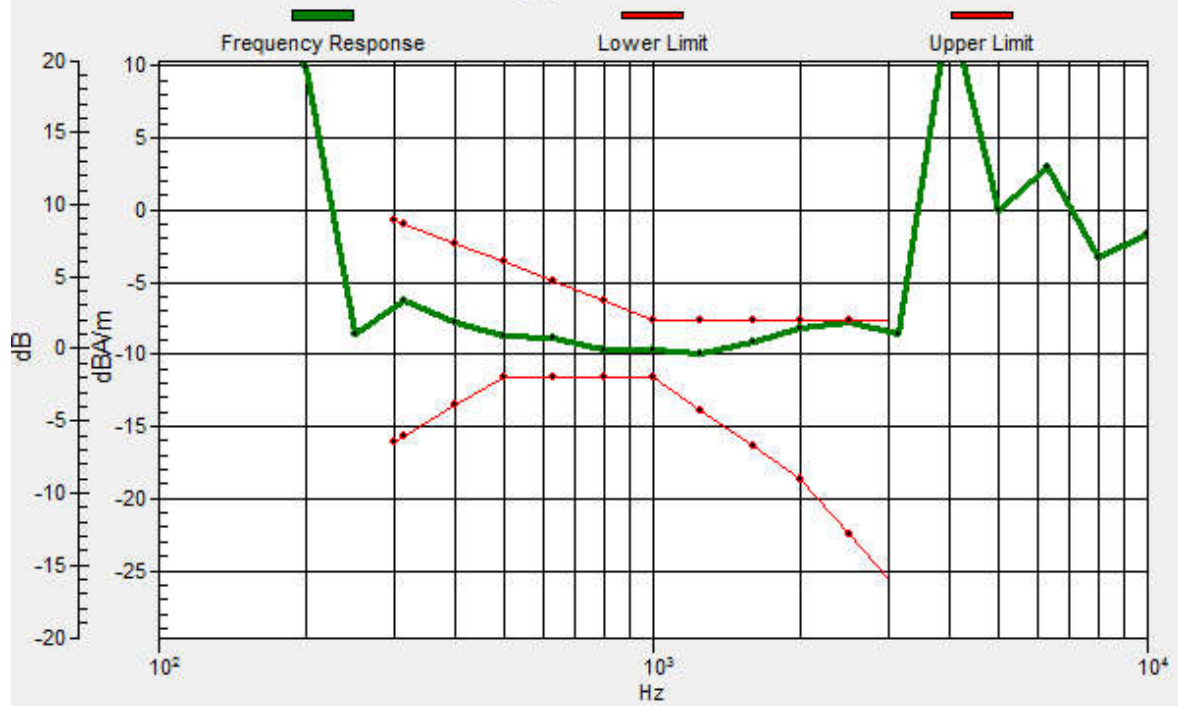
Location: 0.4, 7.9, 3.7 mm



0 dB = 107.5 = 40.62 dB

General Scans/z (axial) wideband at best S/N 3 3 4 2/ABM Freq Resp(x,y,z,f)

Loc: 0.5, 8, 3.7 mm Diff: 0.22dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 5 10M QPSK 50RB0 20525CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 836.5 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

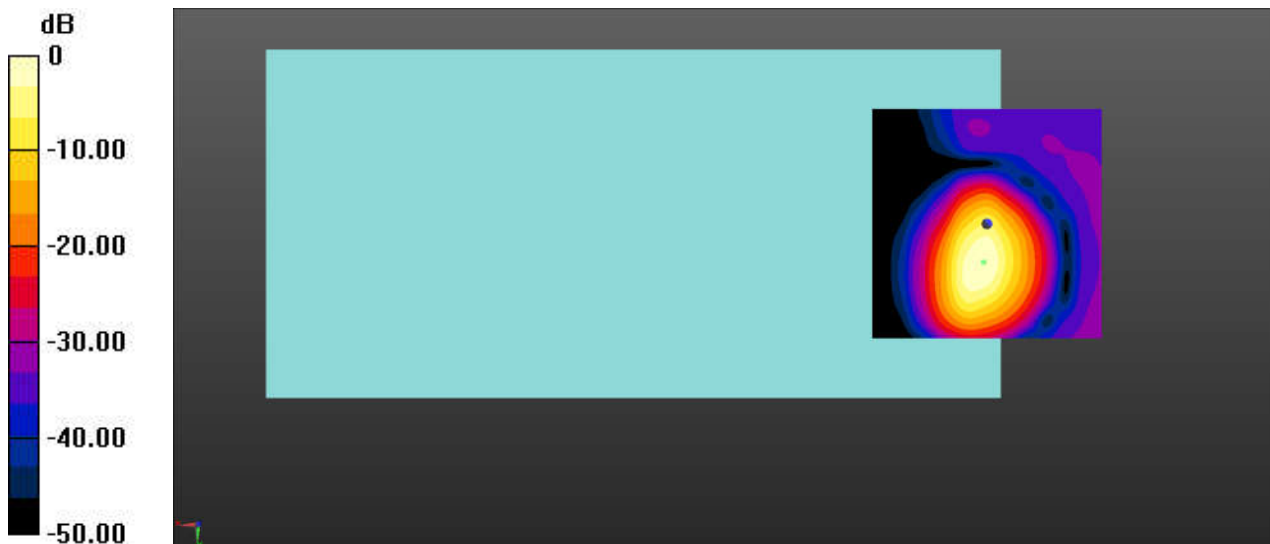
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.78 dB

ABM1 comp = -4.99 dBA/m

BWC Factor = 0.15 dB

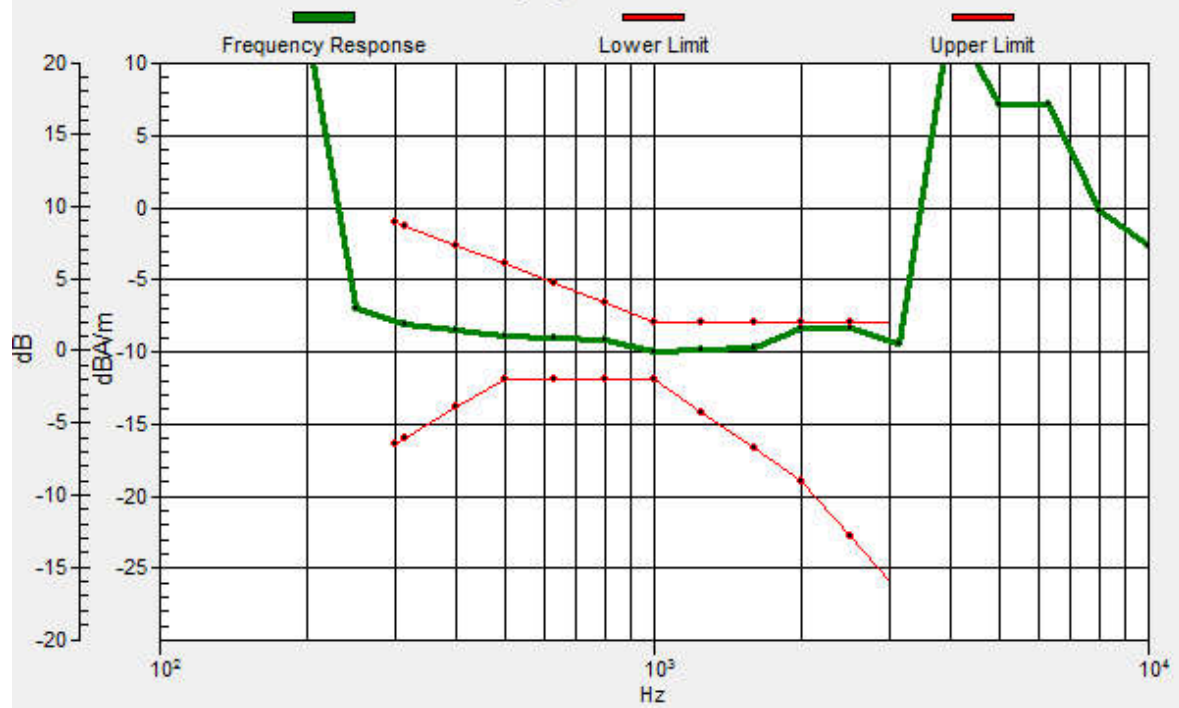
Location: 0.8, 8.3, 3.7 mm



0 dB = 109.4 = 40.78 dB

General Scans/z (axial) wideband at best S/N 3 3 4 2/ABM Freq Resp(x,y,z,f)

Loc: 0.7, 8.4, 3.7 mm Diff: 0.37dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 5 10M QPSK 50RB0 20525CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 836.5 MHz; Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

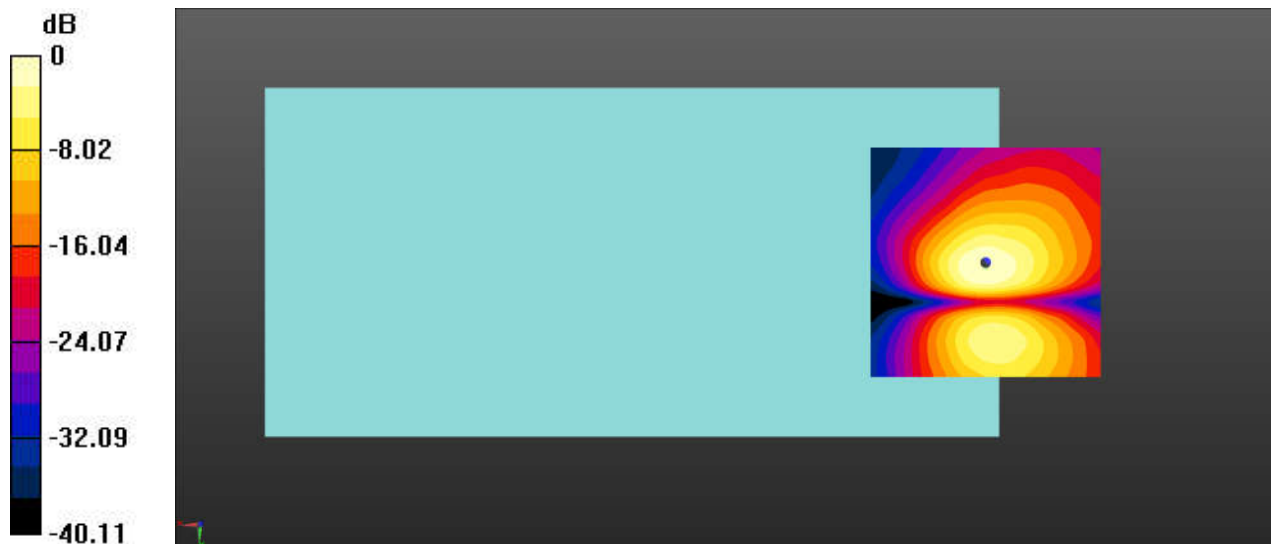
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.36 dB

ABM1 comp = -13.73 dBA/m

BWC Factor = 0.15 dB

Location: 0, 0.8, 3.7 mm



0 dB = 36.98 = 31.36 dB

Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 12 10M QPSK 50RB0 23095CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 707.5 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

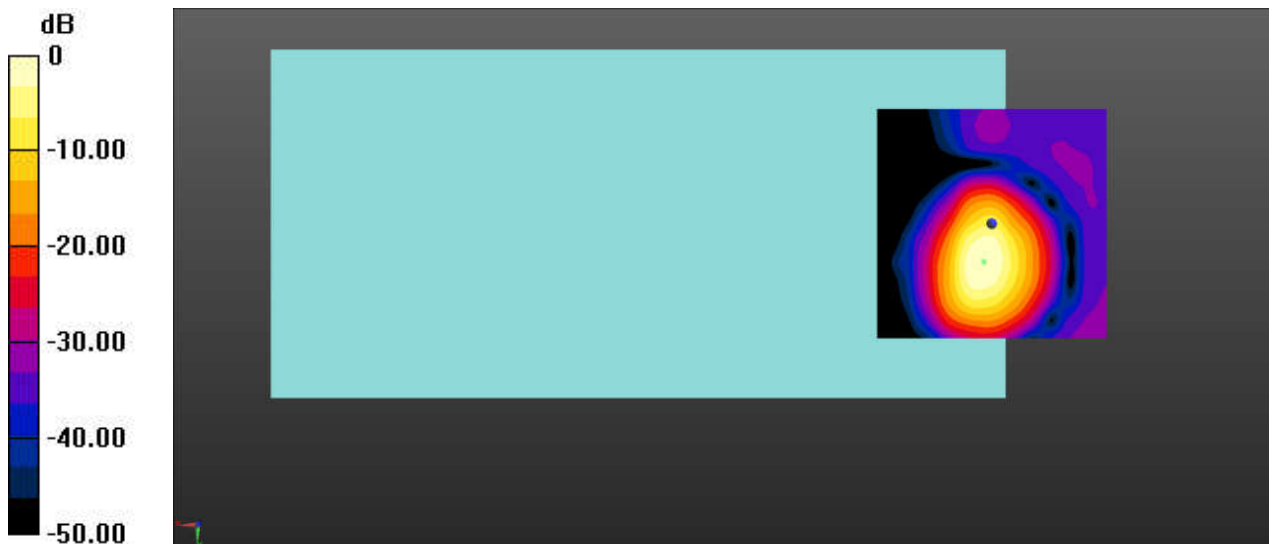
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.35 dB

ABM1 comp = -4.18 dBA/m

BWC Factor = 0.16 dB

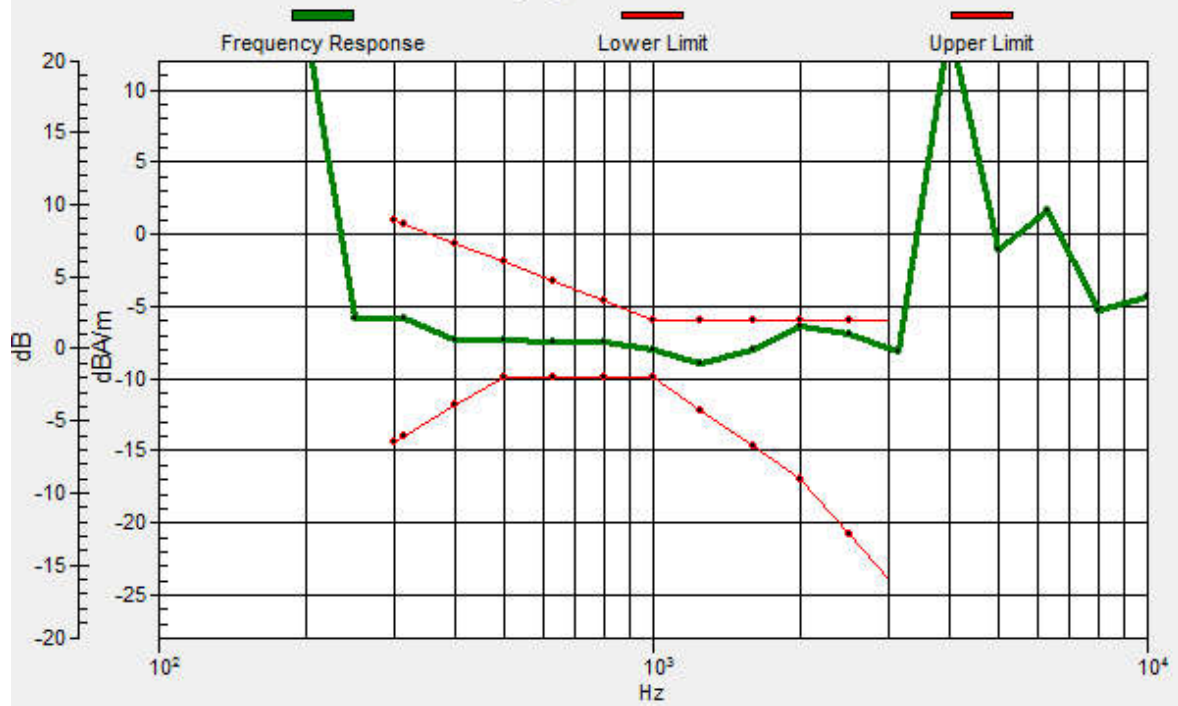
Location: 1.7, 8.3, 3.7 mm



0 dB = 131.1 = 42.35 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 1.7, 8.5, 3.7 mm Diff: 0.42dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 17 10M QPSK 50RB0 23790CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 710 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

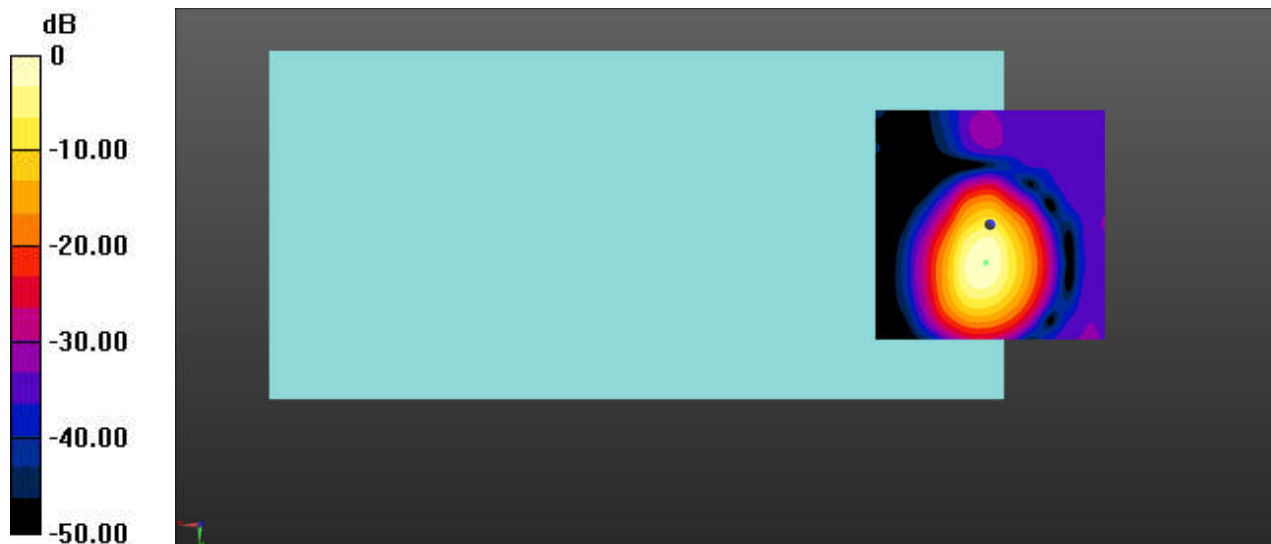
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.30 dB

ABM1 comp = -4.76 dBA/m

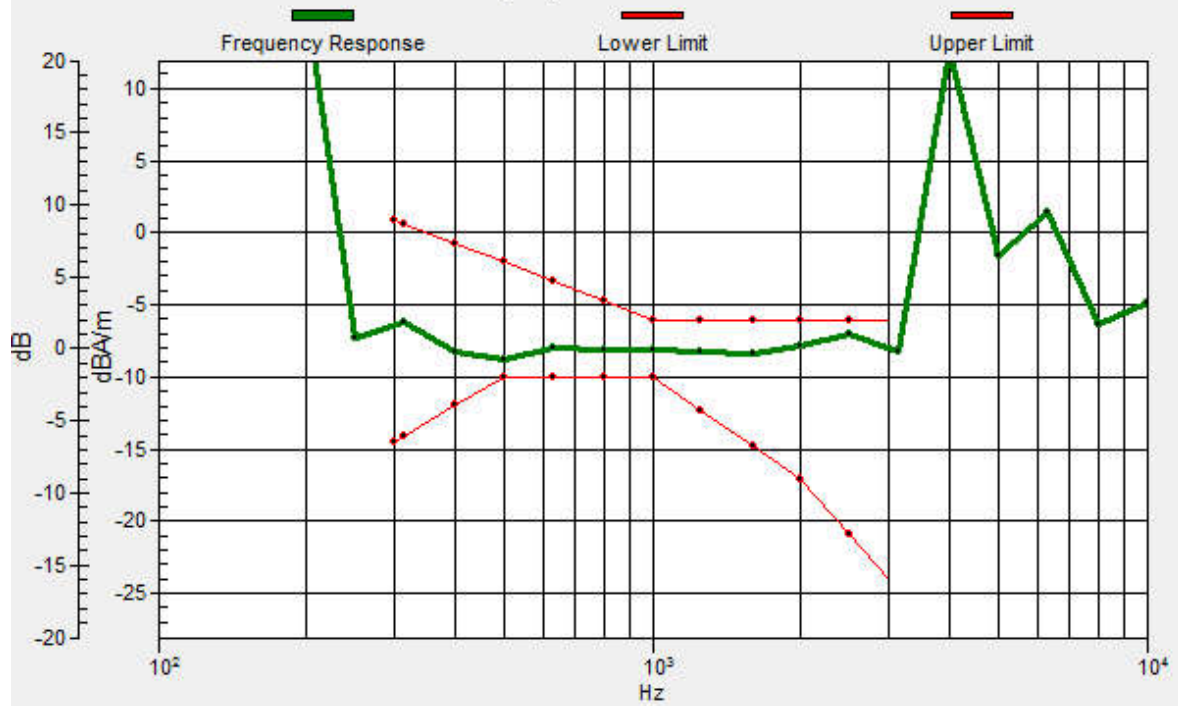
BWC Factor = 0.16 dB

Location: 0.8, 8.3, 3.7 mm



General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 1, 8.2, 3.7 mm Diff: 1.05dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 17 10M QPSK 50RB0 23790CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 710 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

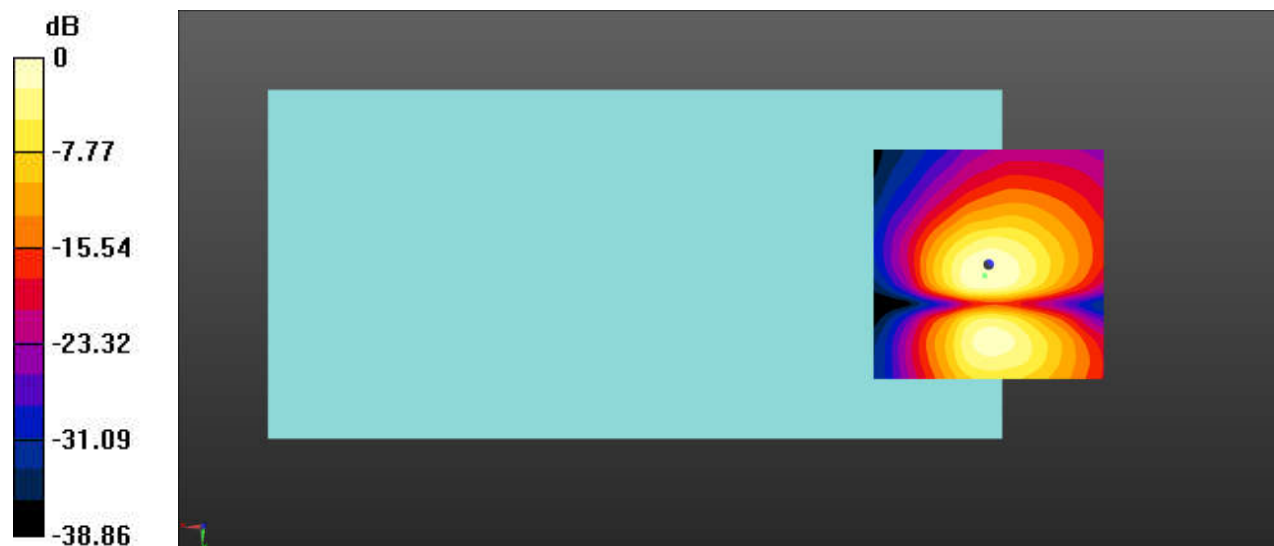
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.40 dB

ABM1 comp = -13.34 dBA/m

BWC Factor = 0.16 dB

Location: 0.8, 2.5, 3.7 mm



0 dB = 37.14 = 31.40 dB

Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 66 20M QPSK 100RB0 132322CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

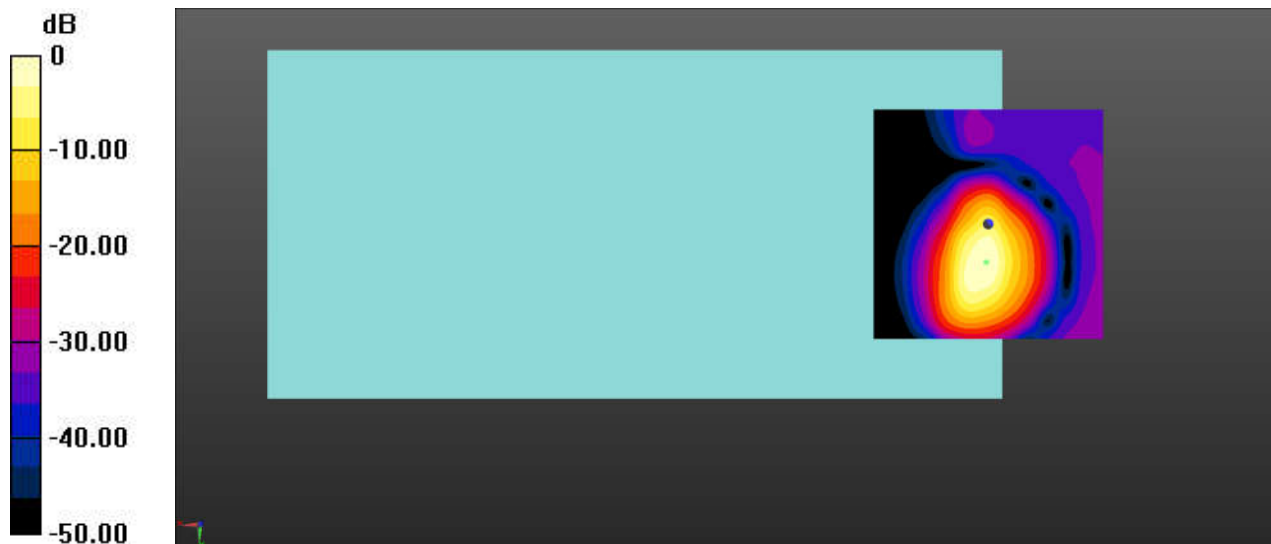
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.51 dB

ABM1 comp = -5.29 dBA/m

BWC Factor = 0.16 dB

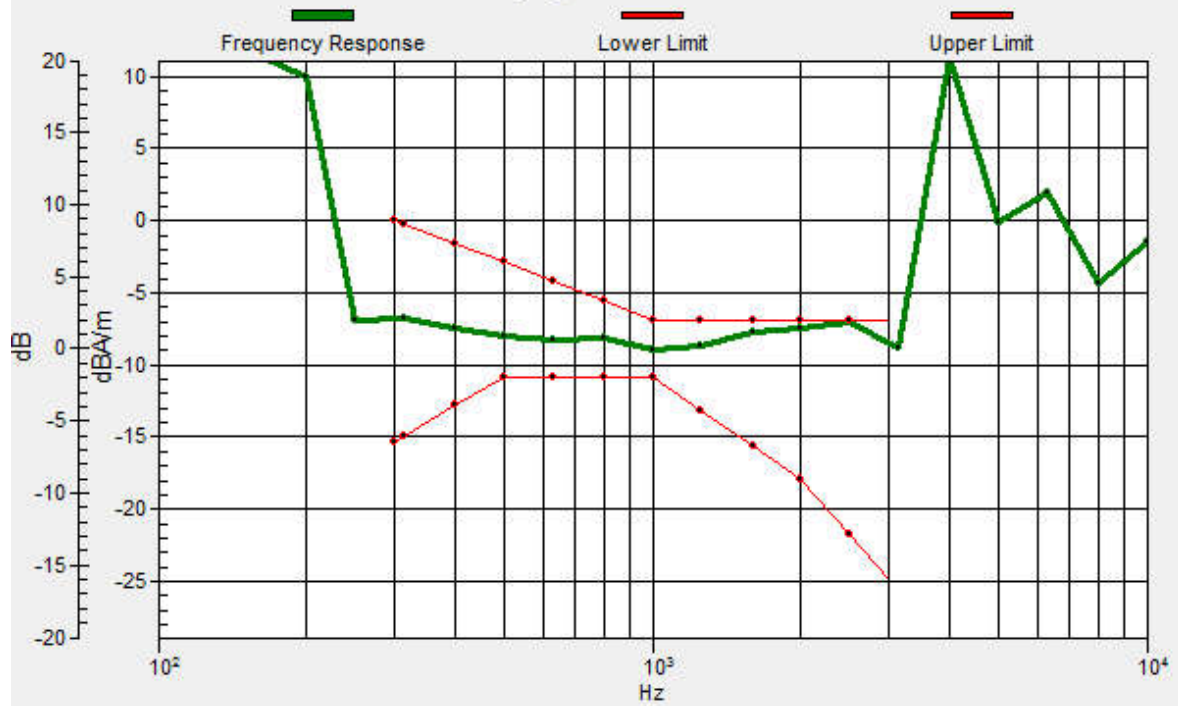
Location: 0.4, 8.3, 3.7 mm



0 dB = 106.1 = 40.51 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0.5, 8.4, 3.7 mm Diff: 0.17dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 66 20M QPSK 100RB0 132322CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1745 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

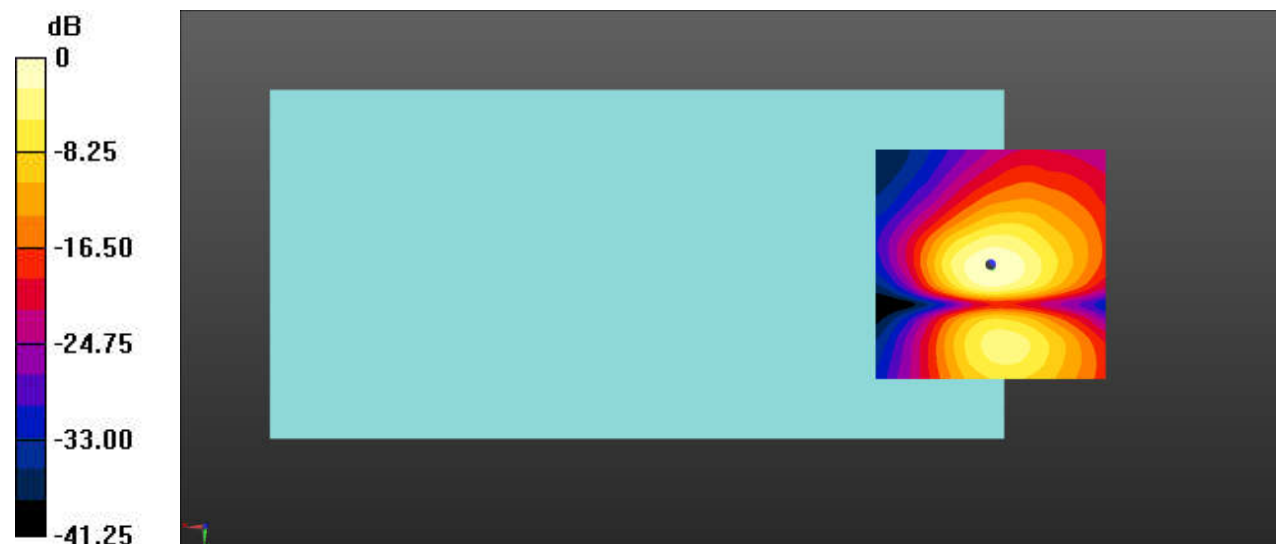
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 30.94 dB

ABM1 comp = -13.82 dBA/m

BWC Factor = 0.16 dB

Location: -0.4, 0.8, 3.7 mm



0 dB = 35.24 = 30.94 dB

Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 71 20M QPSK 100RB0 133297CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 680.5 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

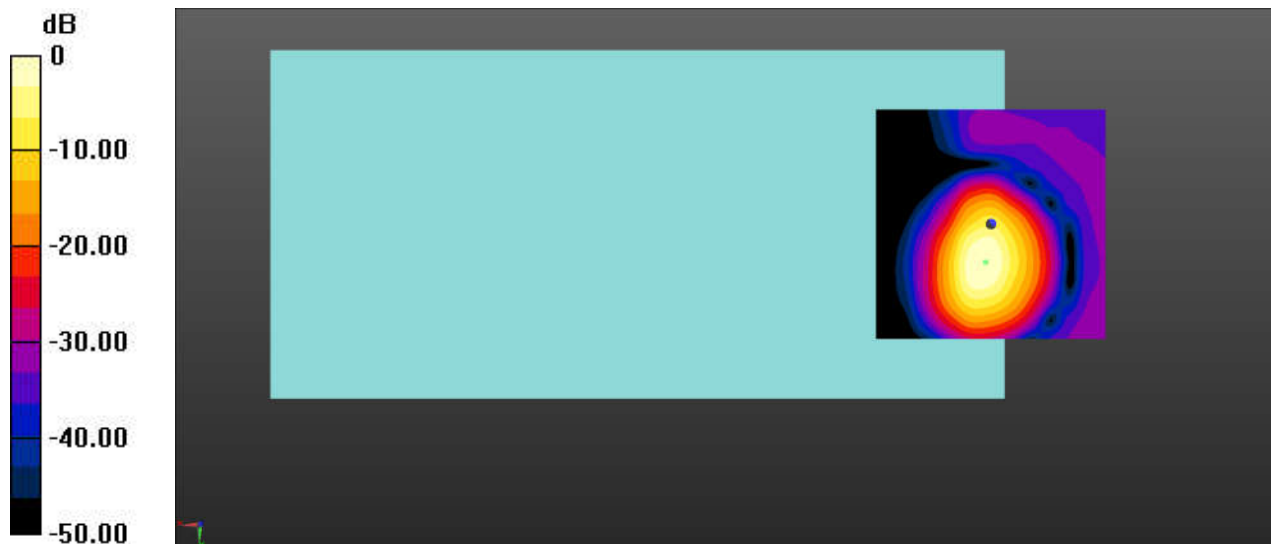
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 41.98 dB

ABM1 comp = -4.35 dBA/m

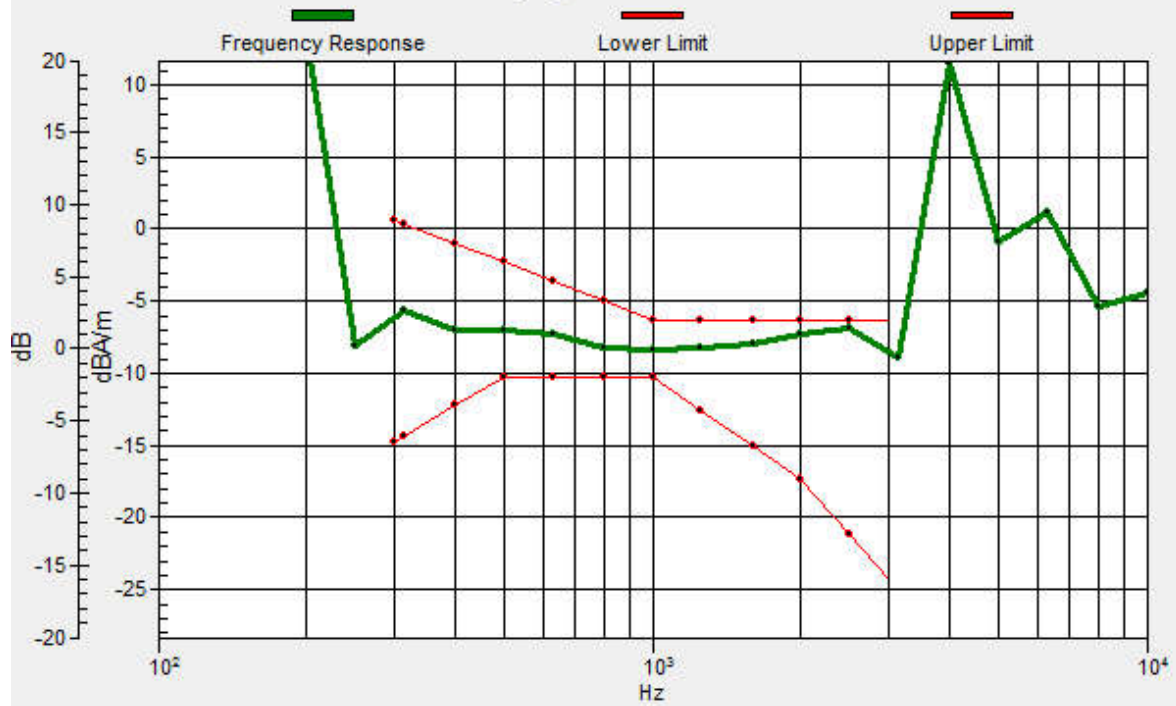
BWC Factor = 0.16 dB

Location: 1.3, 8.3, 3.7 mm



General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 1.2, 8.4, 3.7 mm Diff: 0.54dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 71 20M QPSK 100RB0 133297CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 680.5 MHz;Duty Cycle: 1:1

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

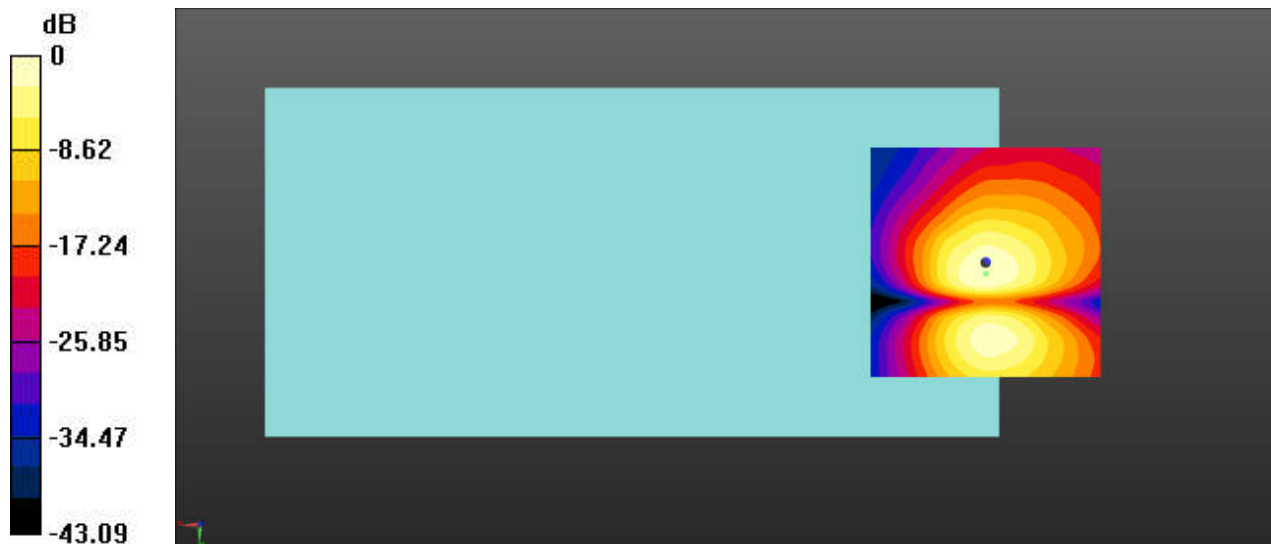
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.27 dB

ABM1 comp = -13.91 dBA/m

BWC Factor = 0.16 dB

Location: 0, 2.5, 3.7 mm



0 dB = 36.59 = 31.27 dB

Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 41 PC3 20M QPSK 1RB0 40807CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2611.7 MHz;Duty Cycle: 1:1.57906

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

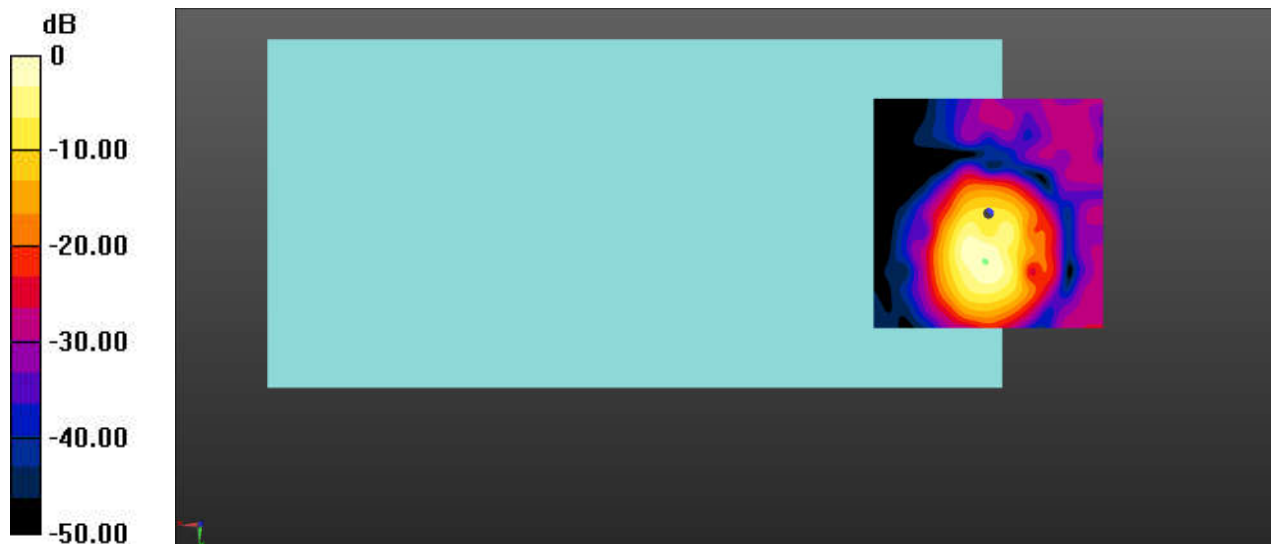
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 35.07 dB

ABM1 comp = -5.83 dBA/m

BWC Factor = 0.16 dB

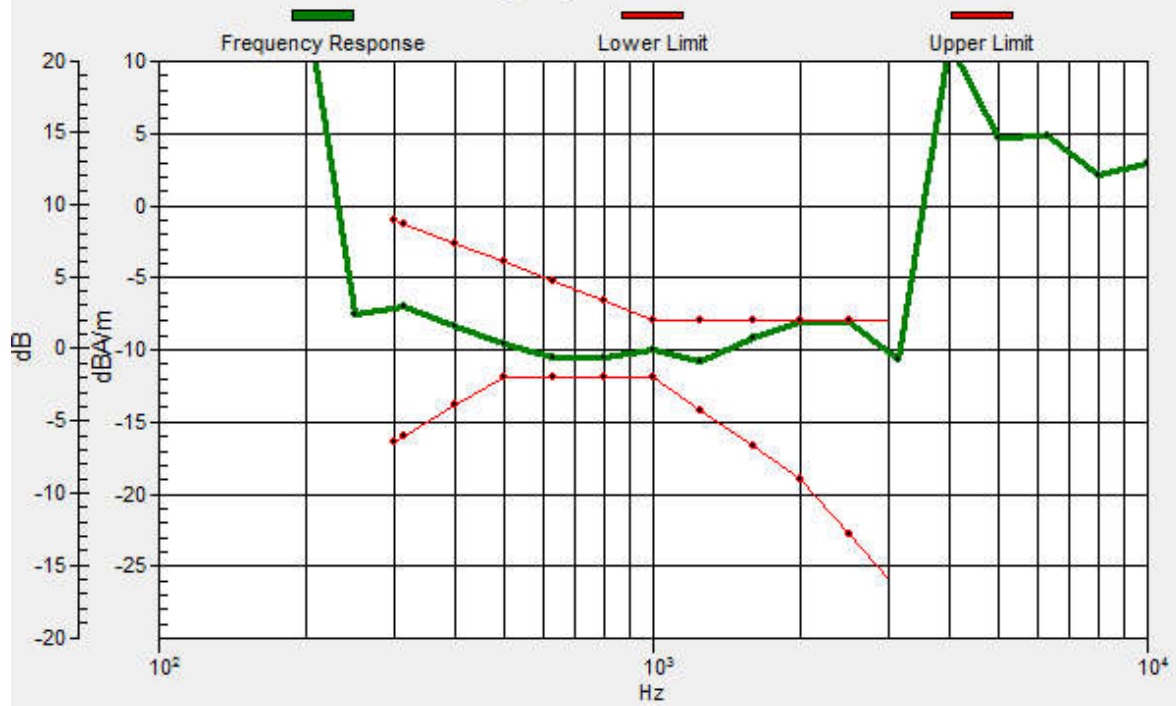
Location: 0.8, 10.4, 3.7 mm



0 dB = 56.66 = 35.07 dB

General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 0.6, 10.7, 3.7 mm Diff: 0.17dB



Test Laboratory: SGS-SAR Lab

B63 HAC-T-Coil-LTE Band 41 PC3 20M QPSK 1RB0 40807CH

DUT: B63; Type: Smart Phone; Serial: 358098280139637

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2611.7 MHz;Duty Cycle: 1:1.57906

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

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

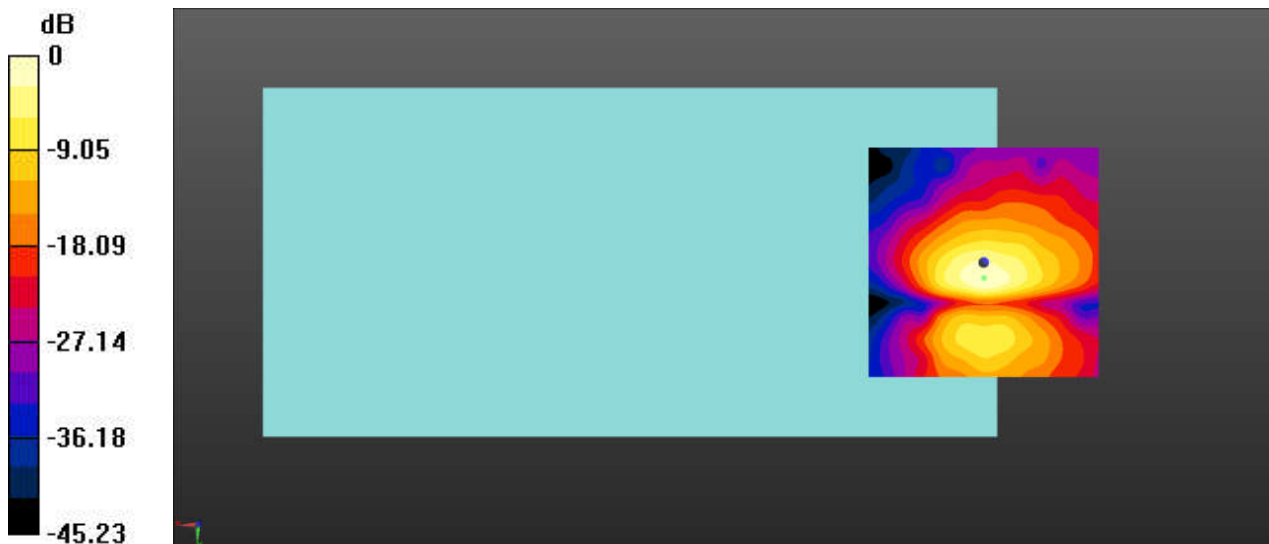
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.63 dB

ABM1 comp = -13.16 dBA/m

BWC Factor = 0.16 dB

Location: 0, 3.3, 3.7 mm



0 dB = 38.14 = 31.63 dB