

Appendix A

Detailed Test Results

1. CDMA
CDMA BC0 for T-coil
CDMA BC1 for T-coil
CDMA BC10 for T-coil
2. LTE
LTE Band 2 for T-coil
LTE Band 4 for T-coil
LTE Band 5 for T-coil
LTE Band 12 for T-coil
LTE Band 25 for T-coil
LTE Band 26 for T-coil
LTE Band 66 for T-coil
LTE Band 71 for T-coil
LTE Band 41 for T-coil

Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-CDMA BC0 384CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, CDMA (0); Frequency: 836.52 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: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

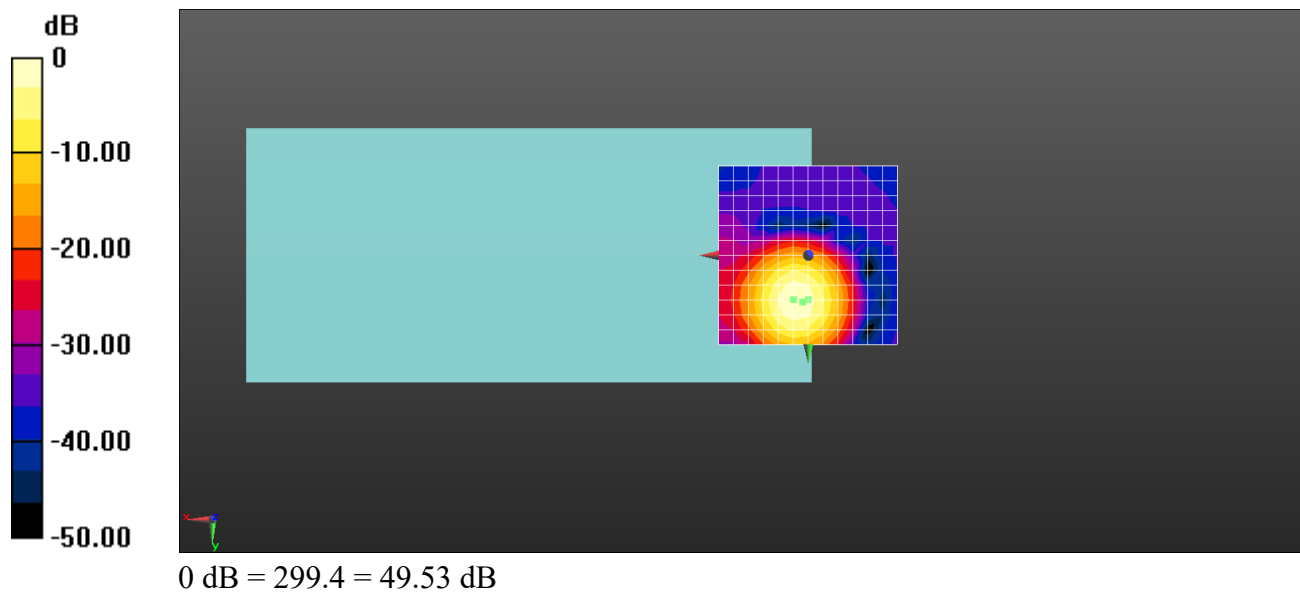
dx=10mm, dy=10mm

ABM1/ABM2 = 49.53 dB

ABM1 comp = 4.96 dBA/m

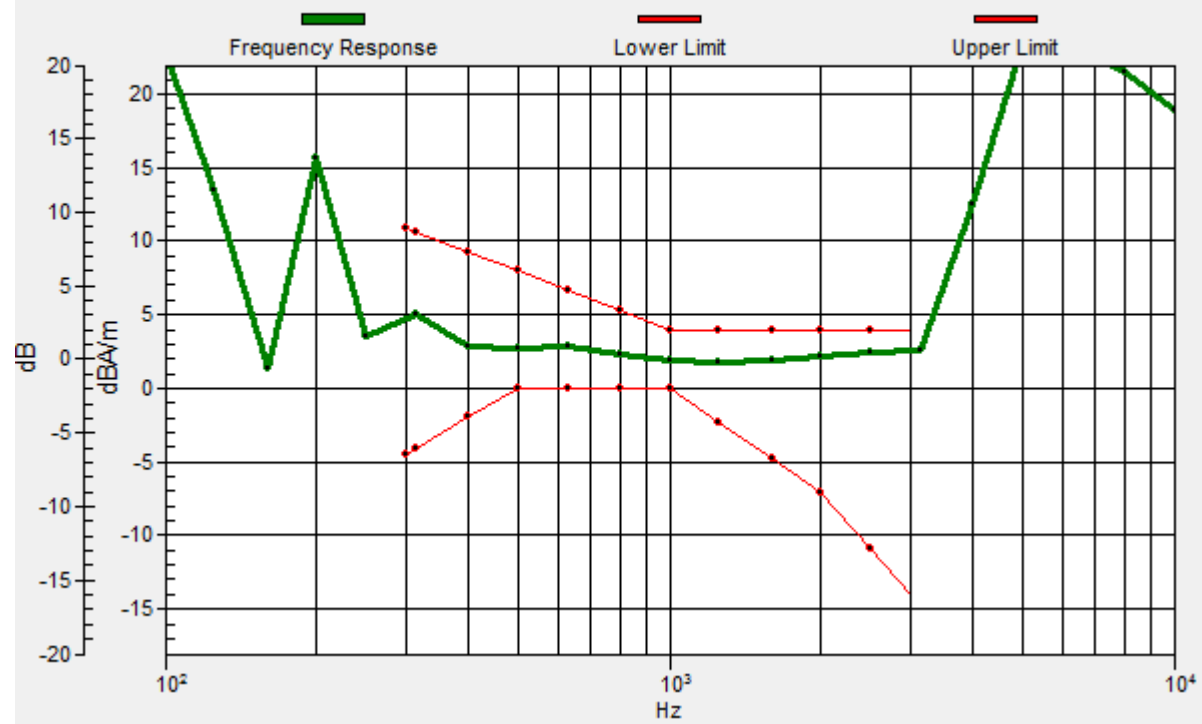
BWC Factor = 0.16 dB

Location: 0, 12.5, 3.7 mm



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

Loc: 1.5, 13, 3.7 mm Diff: 1.45dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-CDMA BC0 384CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, CDMA (0); Frequency: 836.52 MHz;Duty Cycle: 1:1

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

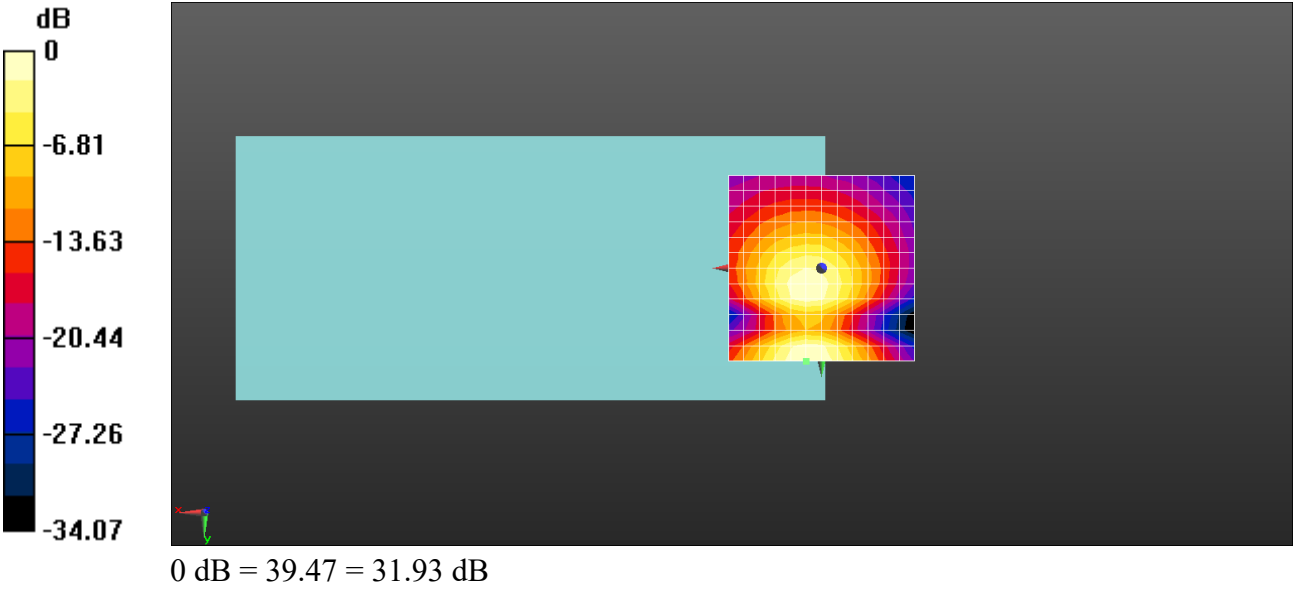
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115;Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm
ABM1/ABM2 = 31.92 dB
ABM1 comp = -3.19 dBA/m
BWC Factor = 0.16 dB
Location: 4.2, 25, 3.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-CDMA BC1 600CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

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

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

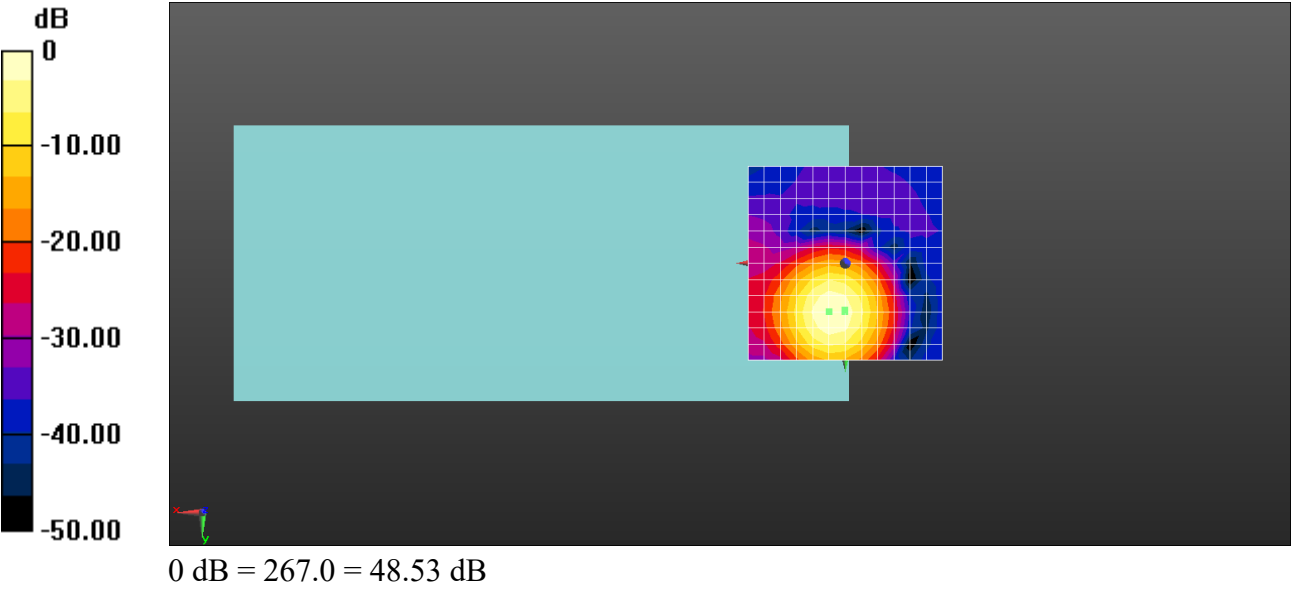
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115;Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

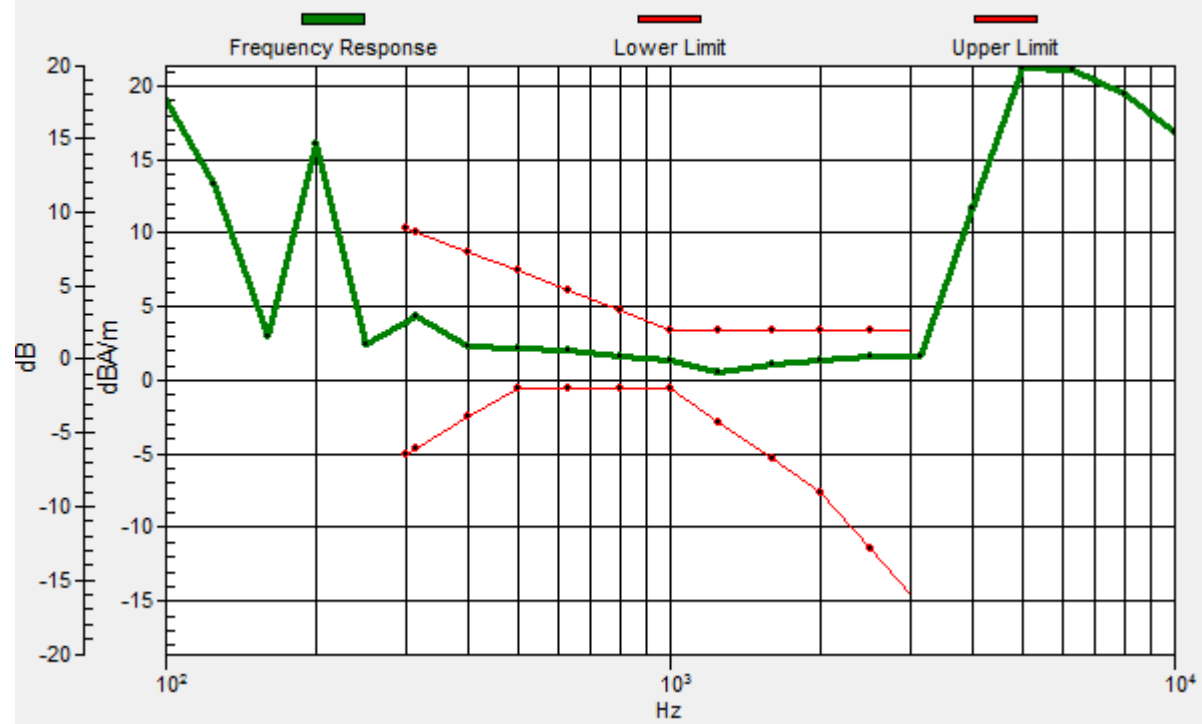
T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm
ABM1/ABM2 = 48.53 dB
ABM1 comp = 5.09 dBA/m
BWC Factor = 0.16 dB
Location: 0, 12.5, 3.7 mm



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

Loc: 0.2, 12.1, 3.7 mm Diff: 1.75dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-CDMA BC1 600CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

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

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

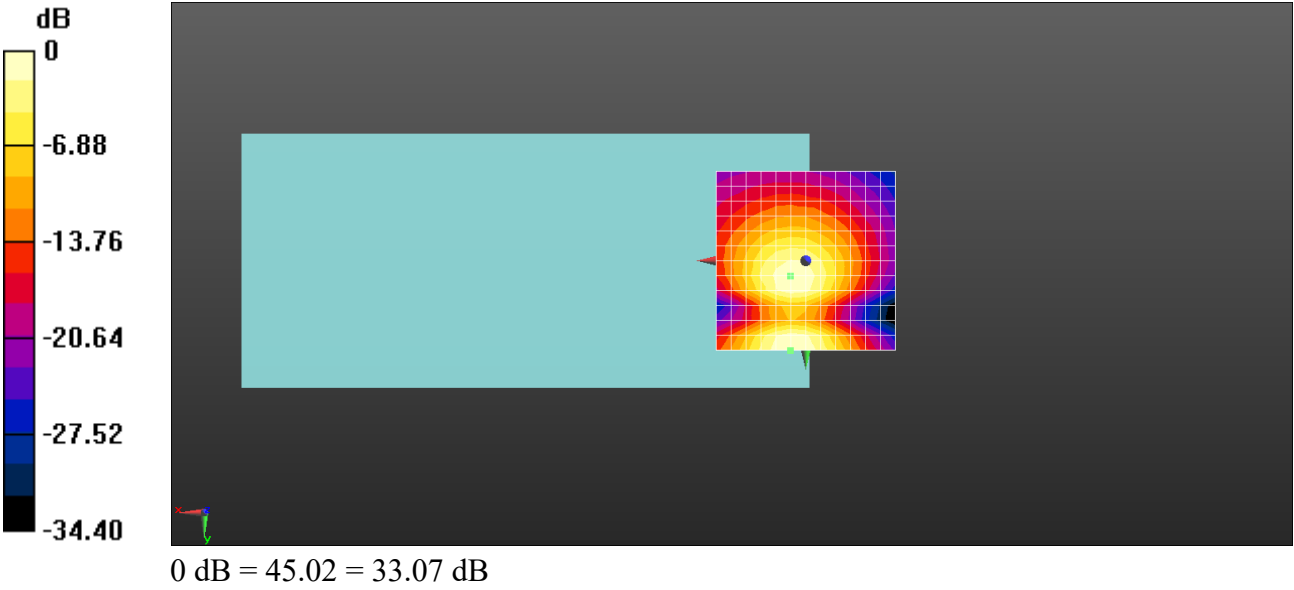
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115;Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm
ABM1/ABM2 = 33.07 dB
ABM1 comp = -3.26 dBA/m
BWC Factor = 0.16 dB
Location: 4.2, 4.2, 3.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-CDMA BC10 580CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, CDMA (0); Frequency: 820.5 MHz;Duty Cycle: 1:1

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

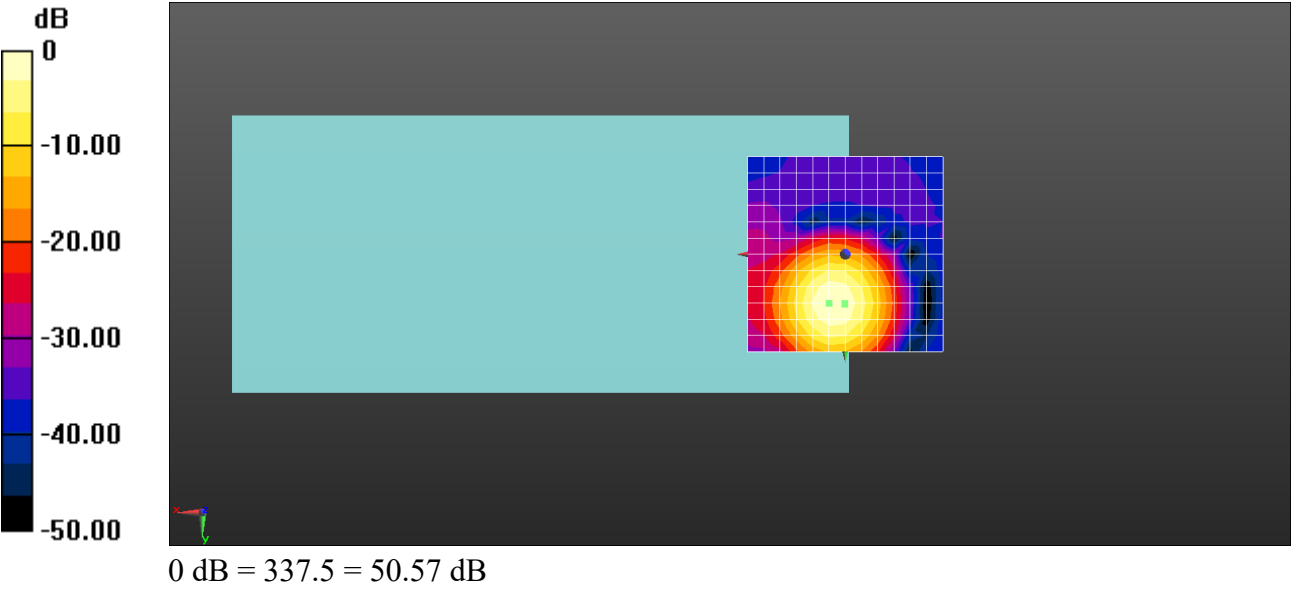
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115;Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

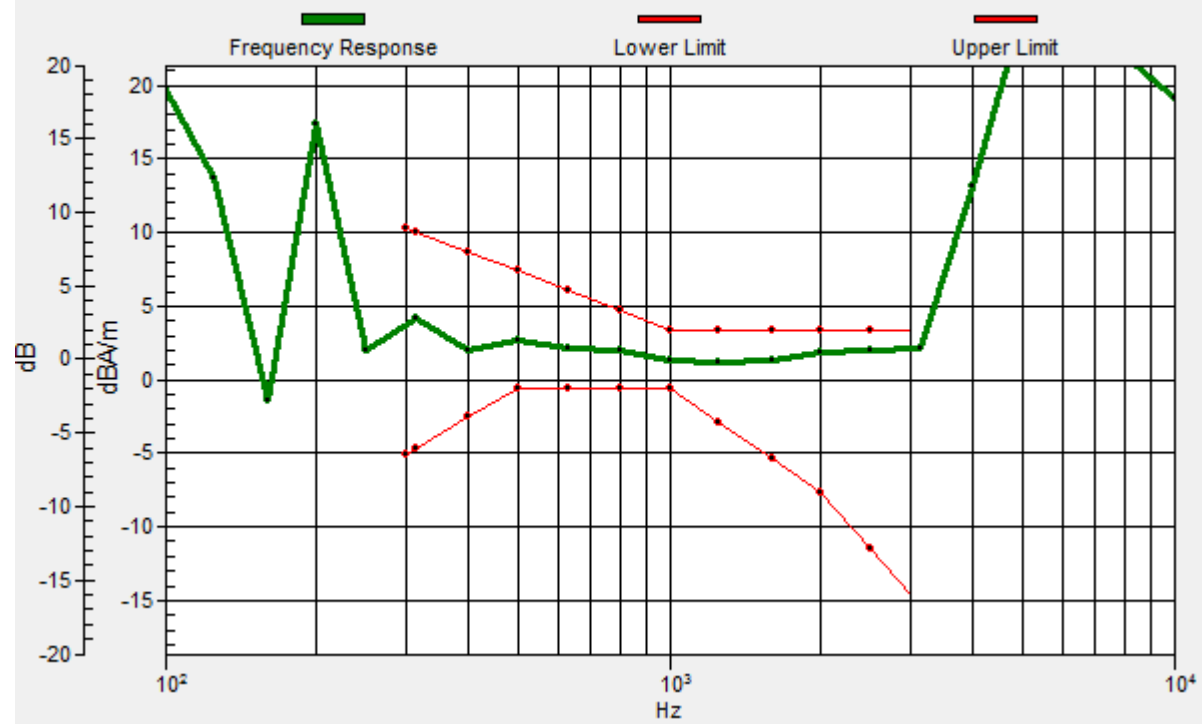
T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm
ABM1/ABM2 = 50.56 dB
ABM1 comp = 5.53 dBA/m
BWC Factor = 0.16 dB
Location: 0, 12.5, 3.7 mm



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

Loc: 0.2, 12.9, 3.7 mm Diff: 1.29dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-CDMA BC10 580CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, CDMA (0); Frequency: 820.5 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: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

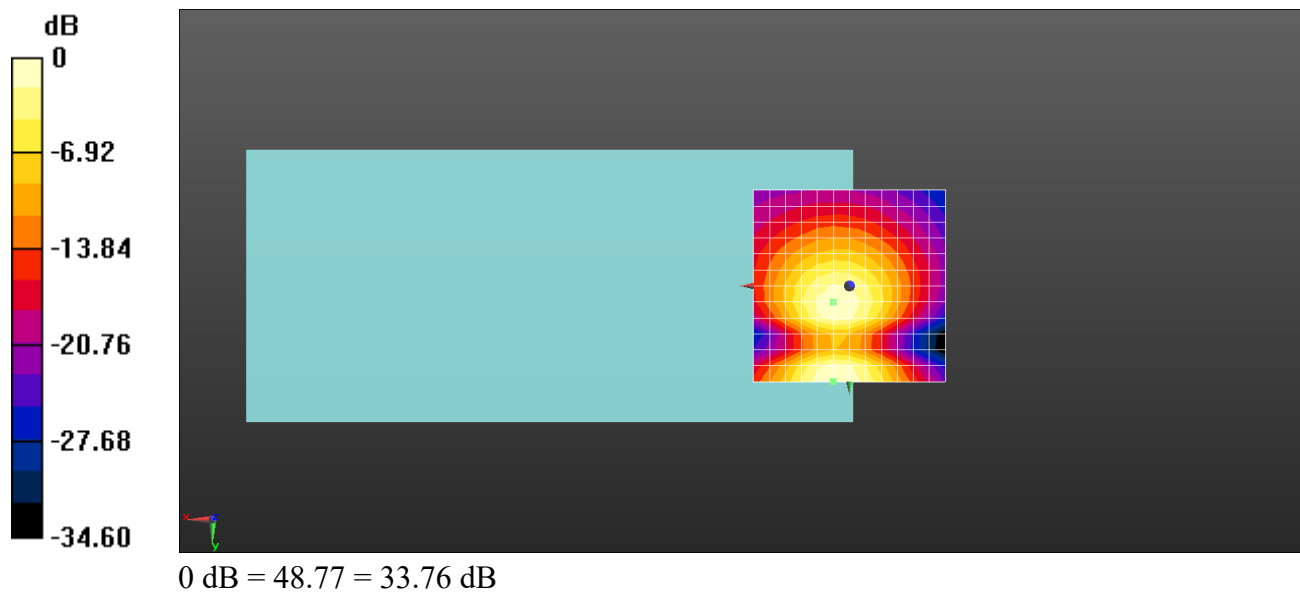
grid: dx=10mm, dy=10mm

ABM1/ABM2 = 33.76 dB

ABM1 comp = -3.20 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, 4.2, 3.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 2 20M QPSK 100RB0 18900CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

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

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

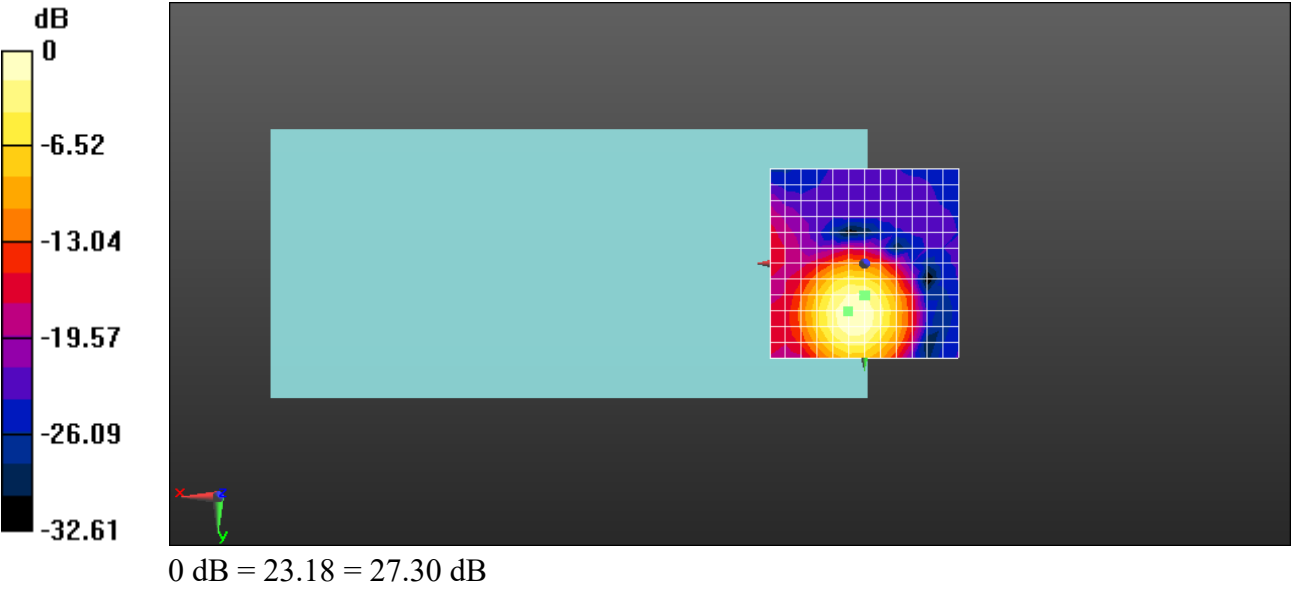
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

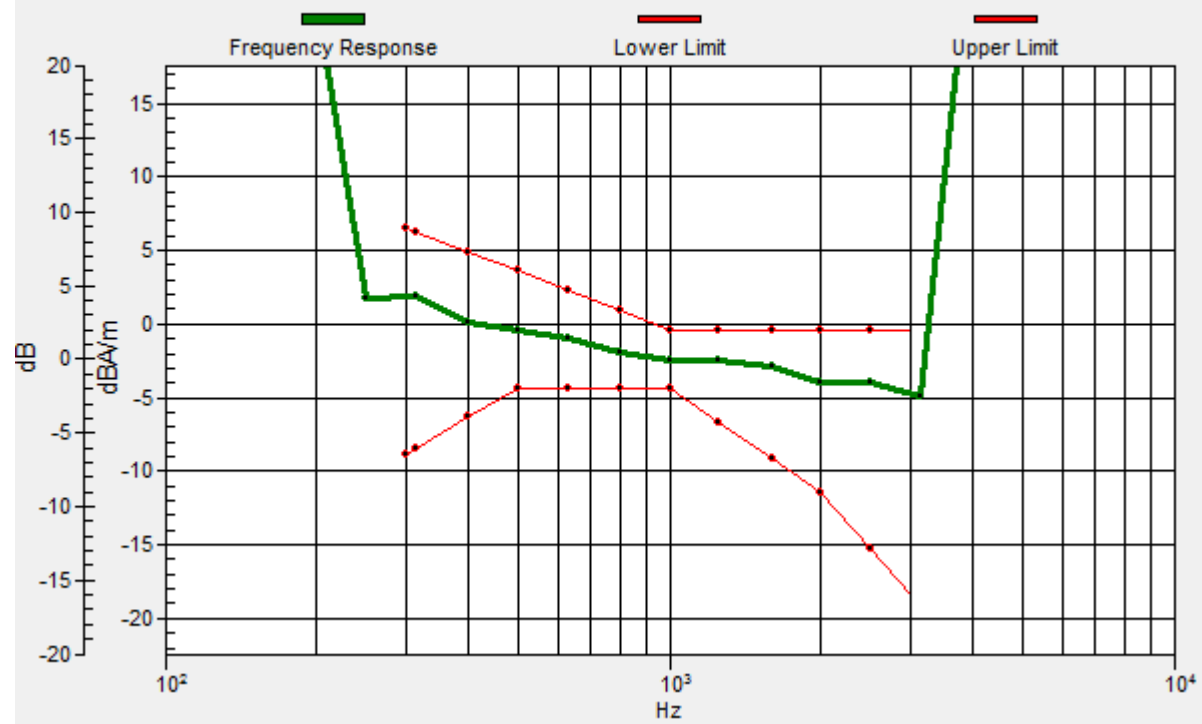
T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm
ABM1/ABM2 = 27.30 dB
ABM1 comp = 0.09 dBA/m
BWC Factor = 0.15 dB
Location: 0, 8.3, 3.7 mm



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

Loc: 0, 8.6, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 2 20M QPSK 100RB0 18900CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

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

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

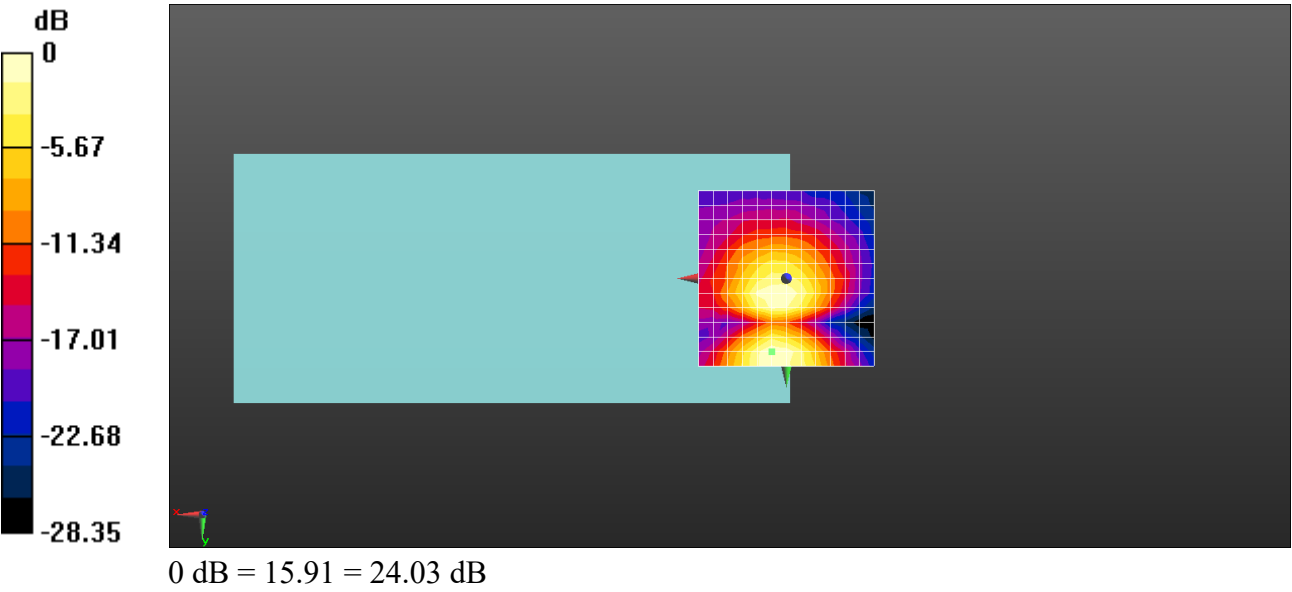
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115;Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm
ABM1/ABM2 = 24.03 dB
ABM1 comp = -5.43 dBA/m
BWC Factor = 0.15 dB
Location: 4.2, 20.8, 3.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 4 20M QPSK 100RB0 21075CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

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: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

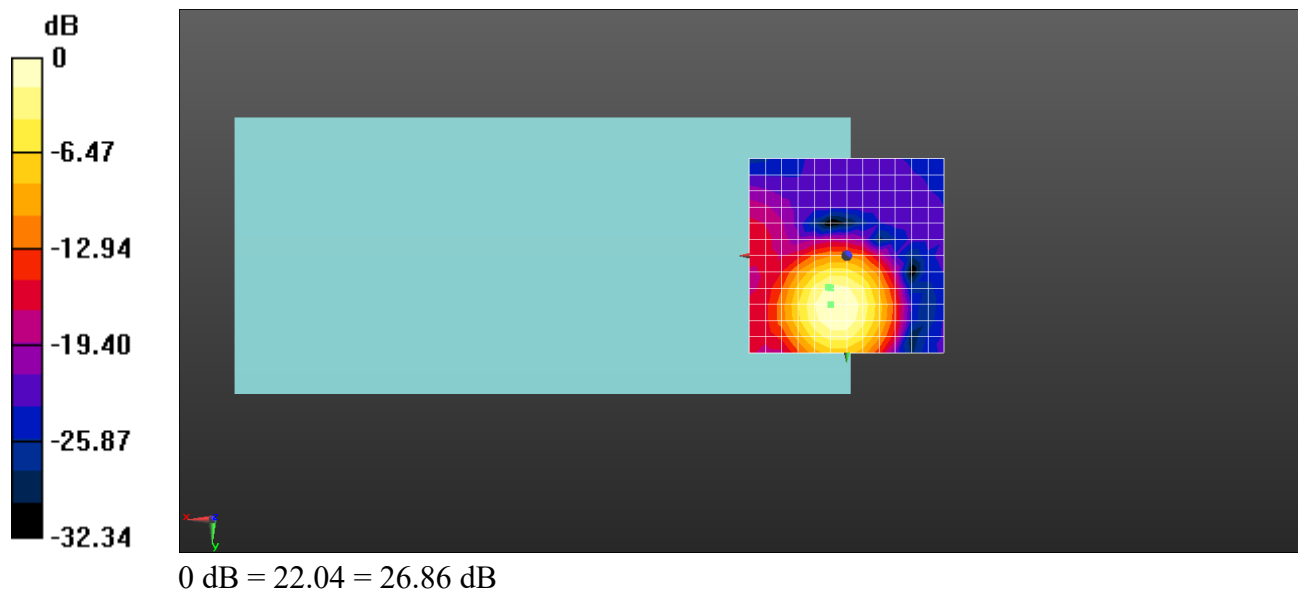
dx=10mm, dy=10mm

ABM1/ABM2 = 26.86 dB

ABM1 comp = 0.44 dBA/m

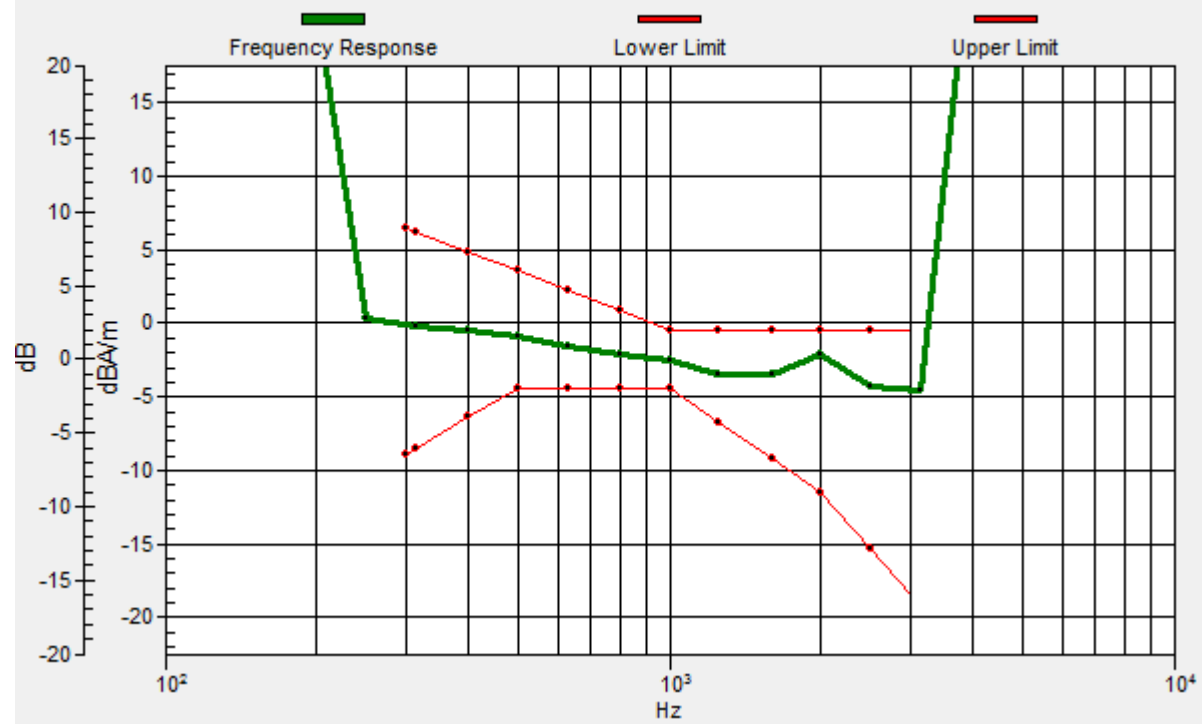
BWC Factor = 0.15 dB

Location: 4.2, 8.3, 3.7 mm



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

Loc: 4.8, 8.2, 3.7 mm Diff: 1.69dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 4 20M QPSK 100RB0 21075CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

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

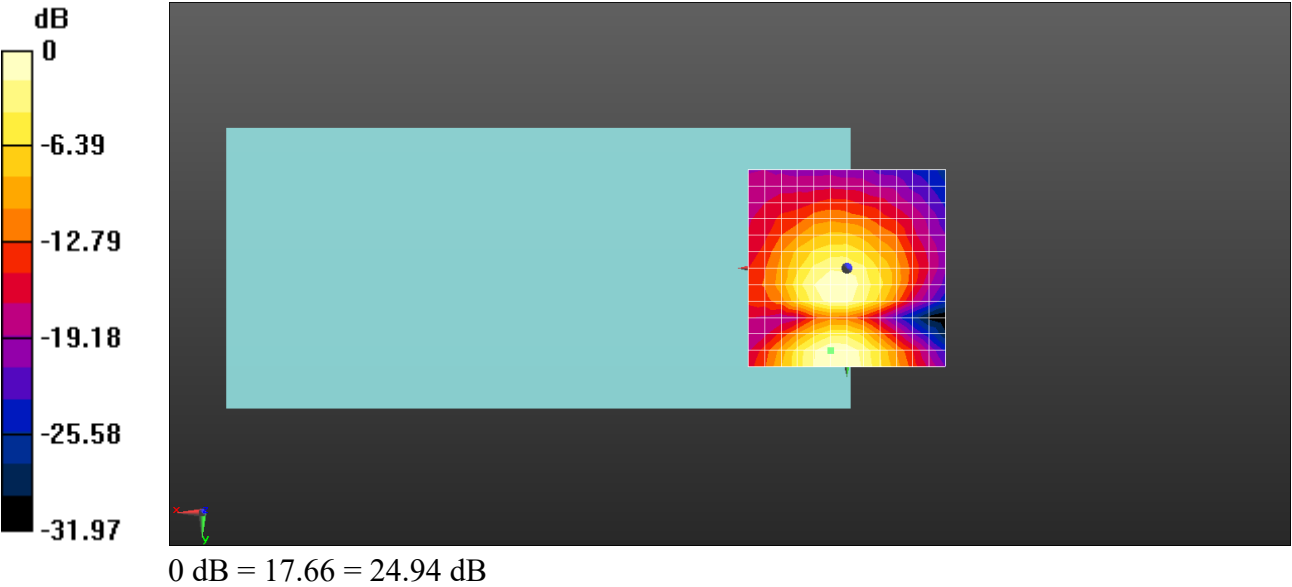
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115;Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement
grid: dx=10mm, dy=10mm
ABM1/ABM2 = 24.94 dB
ABM1 comp = -5.64 dBA/m
BWC Factor = 0.15 dB
Location: 4.2, 20.8, 3.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 5 1.4M QPSK 6RB0 20525CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, LTE-FDD BW 1.4MHZ (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

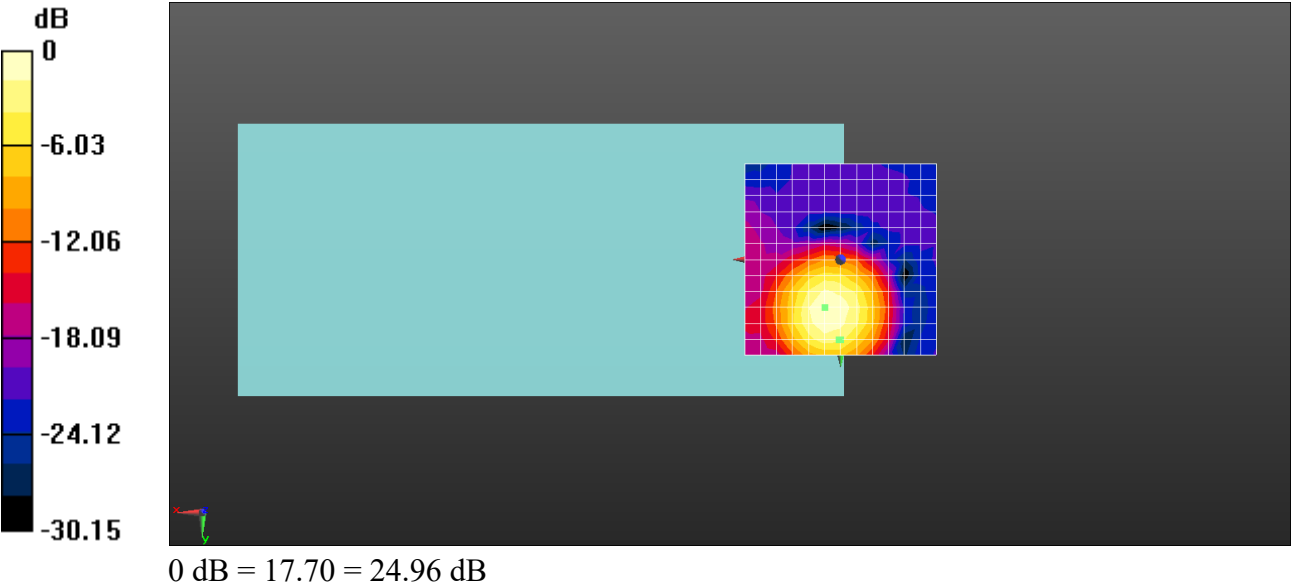
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

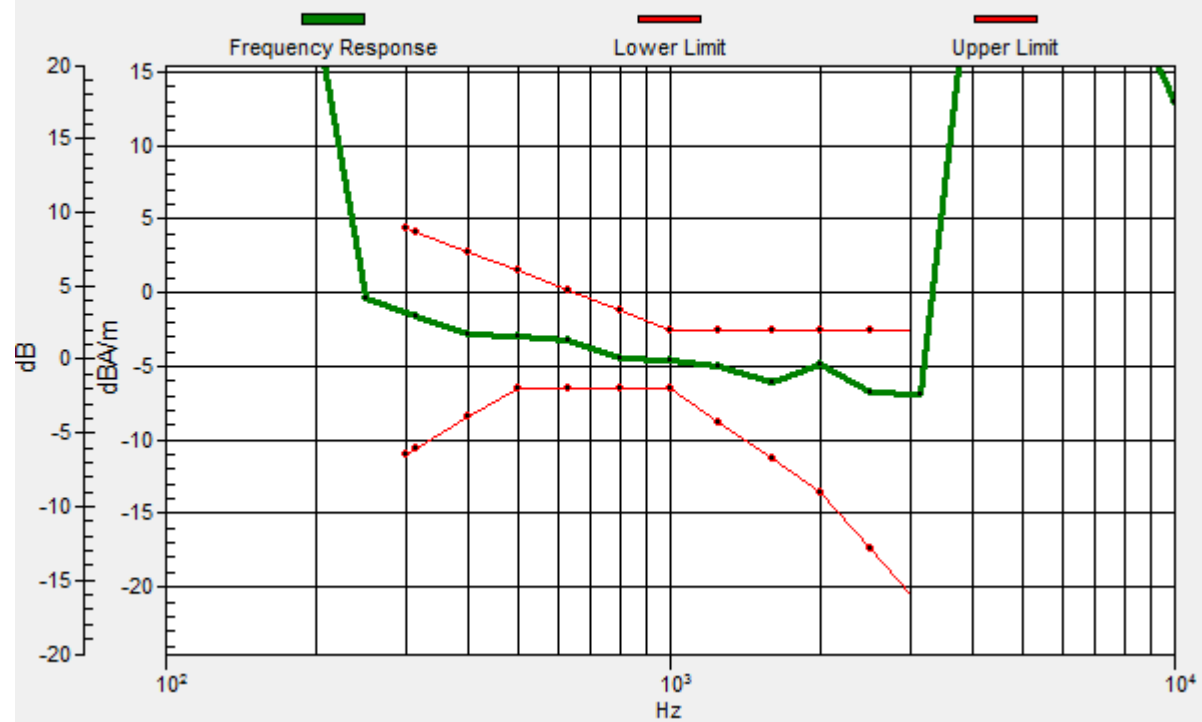
T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm
ABM1/ABM2 = 24.96 dB
ABM1 comp = -2.36 dBA/m
BWC Factor = 0.15 dB
Location: 0, 20.8, 3.7 mm



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

Loc: 0.5, 21, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 5 1.4M QPSK 6RB0 20525CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, LTE-FDD BW 1.4MHZ (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

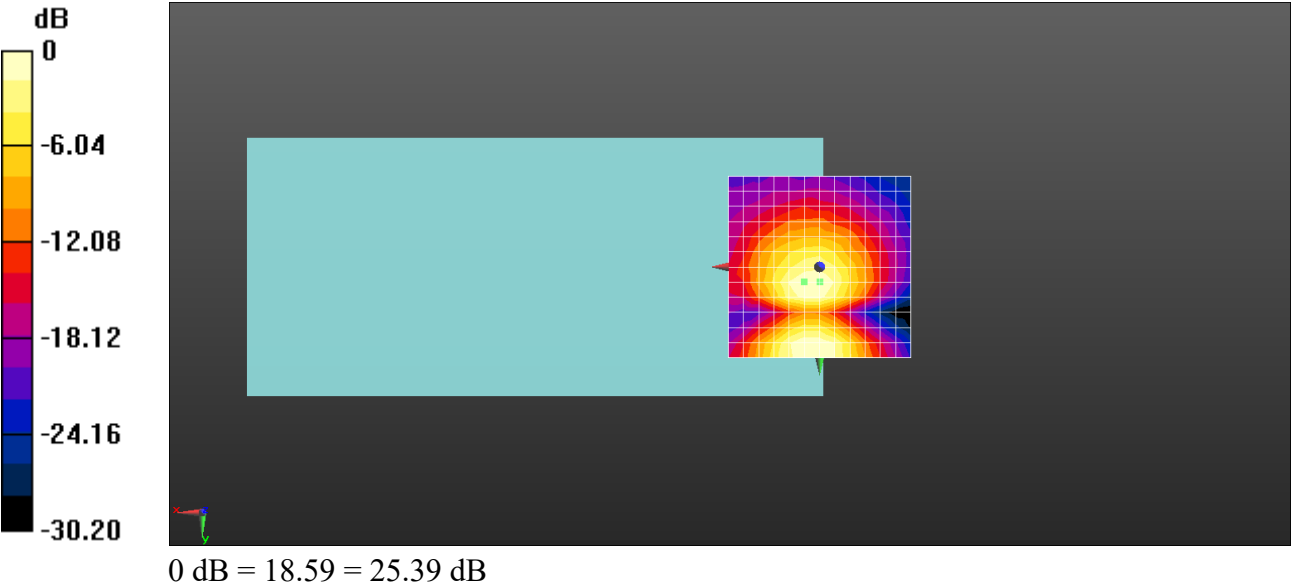
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm
ABM1/ABM2 = 25.39 dB
ABM1 comp = -6.19 dBA/m
BWC Factor = 0.15 dB
Location: 0, 4.2, 3.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 12 1.4M QPSK 6RB0 23095CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, LTE-FDD BW 1.4MHZ (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

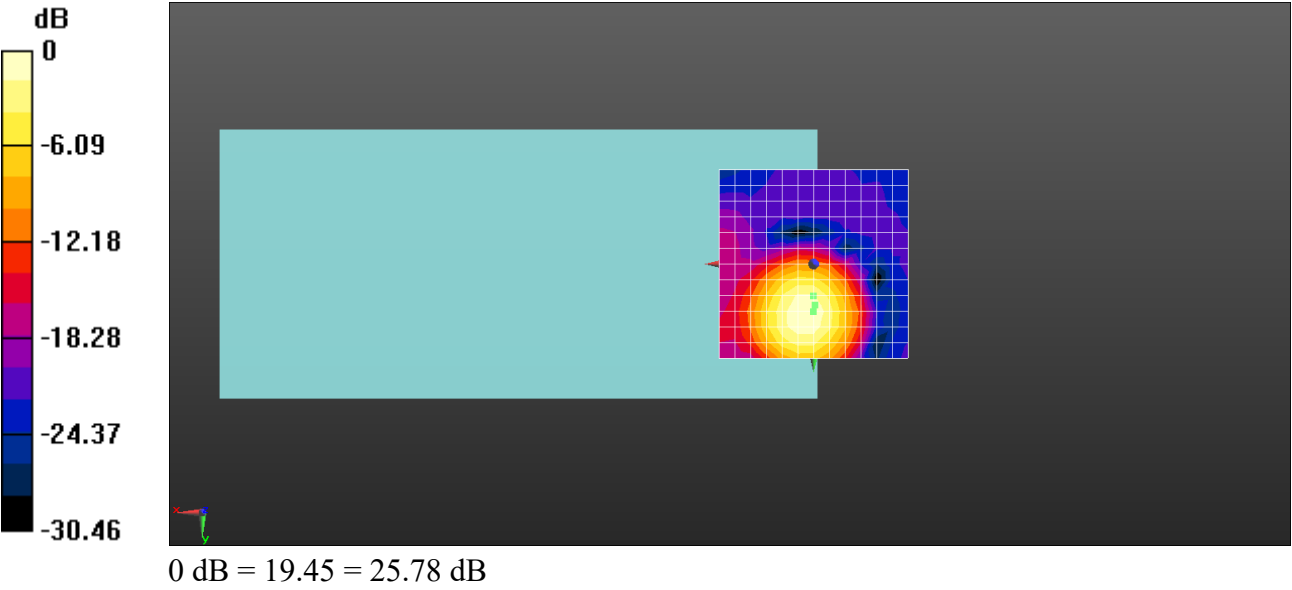
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115;Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

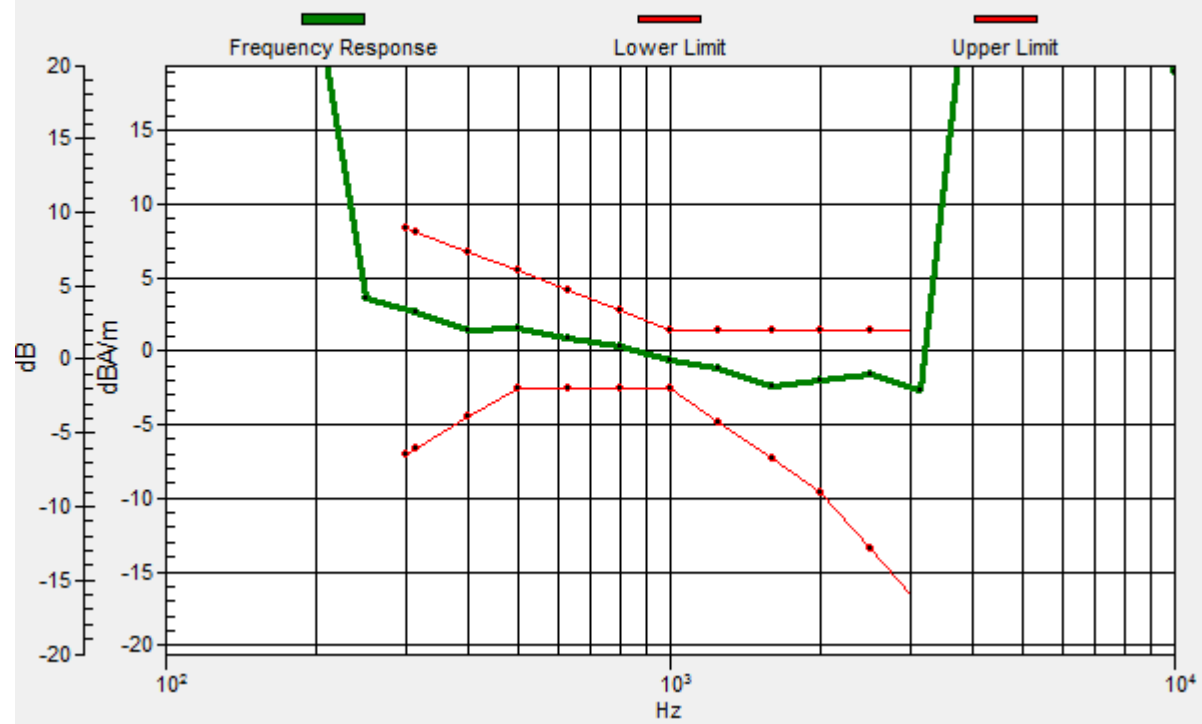
T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm
ABM1/ABM2 = 25.78 dB
ABM1 comp = -0.03 dBA/m
BWC Factor = 0.15 dB
Location: 0, 8.3, 3.7 mm



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

Loc: -0.3, 11, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 12 1.4M QPSK 6RB0 23095CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, LTE-FDD BW 1.4MHZ (0); Frequency: 707.5 MHz;Duty Cycle: 1:1

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

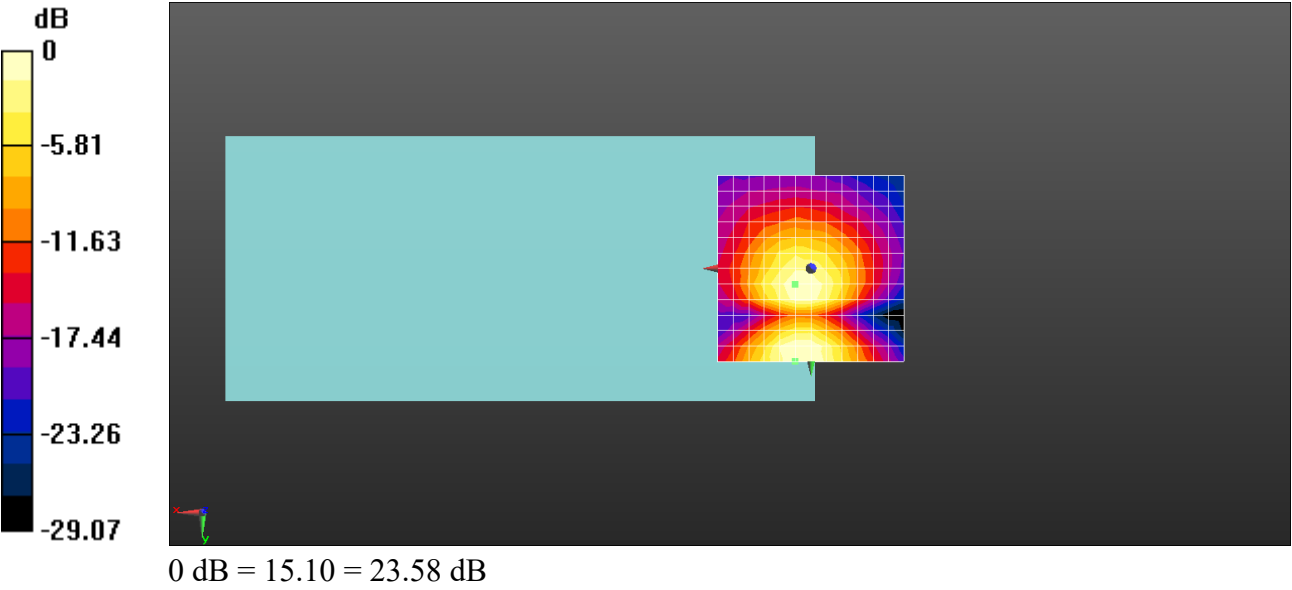
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm
ABM1/ABM2 = 23.58 dB
ABM1 comp = -6.18 dBA/m
BWC Factor = 0.15 dB
Location: 4.2, 25, 3.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 25 20M QPSK 100RB0 26365CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1882.5 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: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

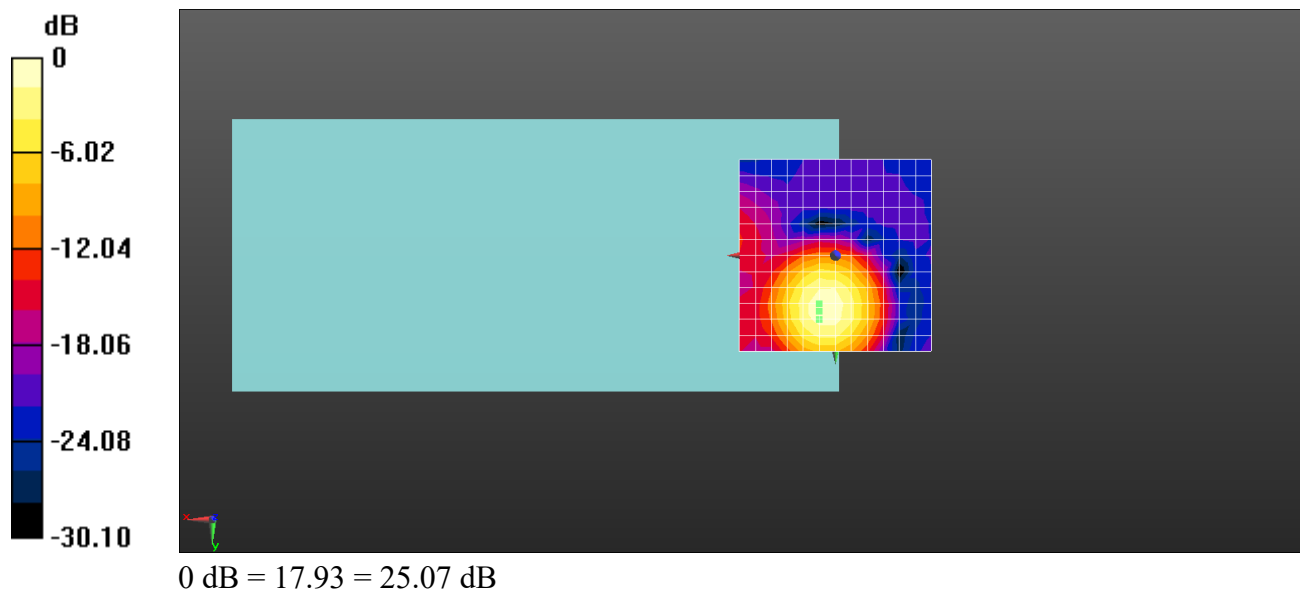
dx=10mm, dy=10mm

ABM1/ABM2 = 25.07 dB

ABM1 comp = 1.25 dBA/m

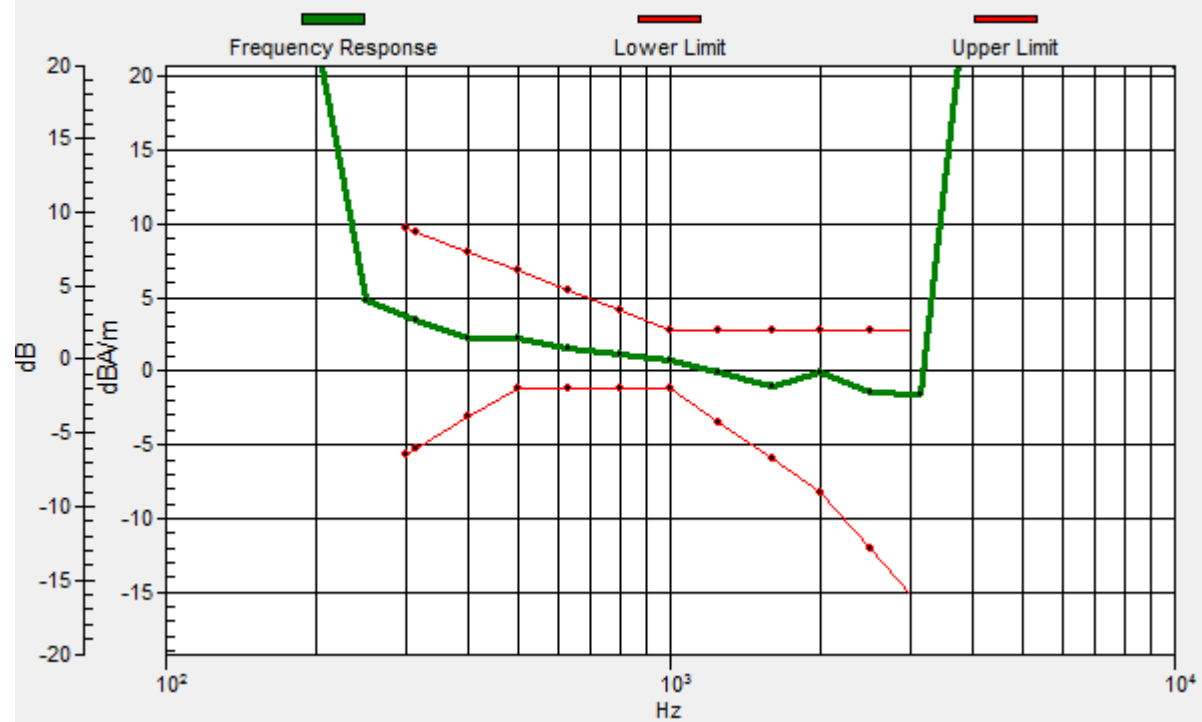
BWC Factor = 0.15 dB

Location: 4.2, 16.7, 3.7 mm



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

Loc: 4.3, 14.6, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 25 20M QPSK 100RB0 26365CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1

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

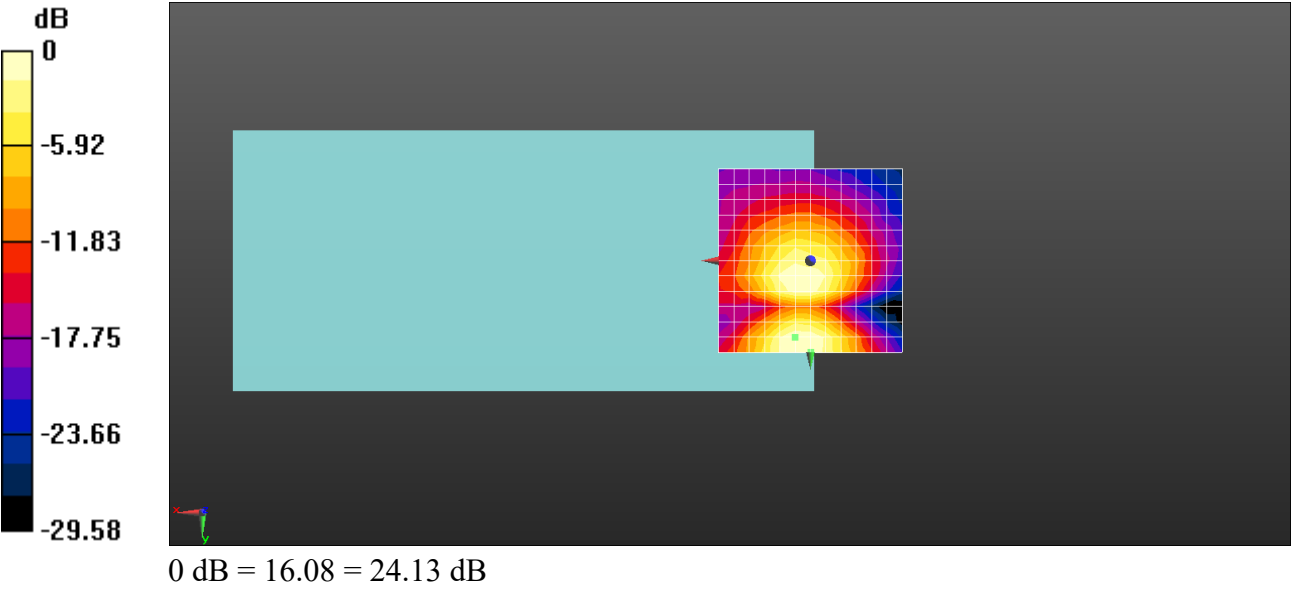
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115;Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm
ABM1/ABM2 = 24.12 dB
ABM1 comp = -6.53 dBA/m
BWC Factor = 0.15 dB
Location: 0, 25, 3.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 26 1.4M QPSK 6RB0 26865CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, LTE-FDD BW 1.4MHZ (0); Frequency: 831.5 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: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

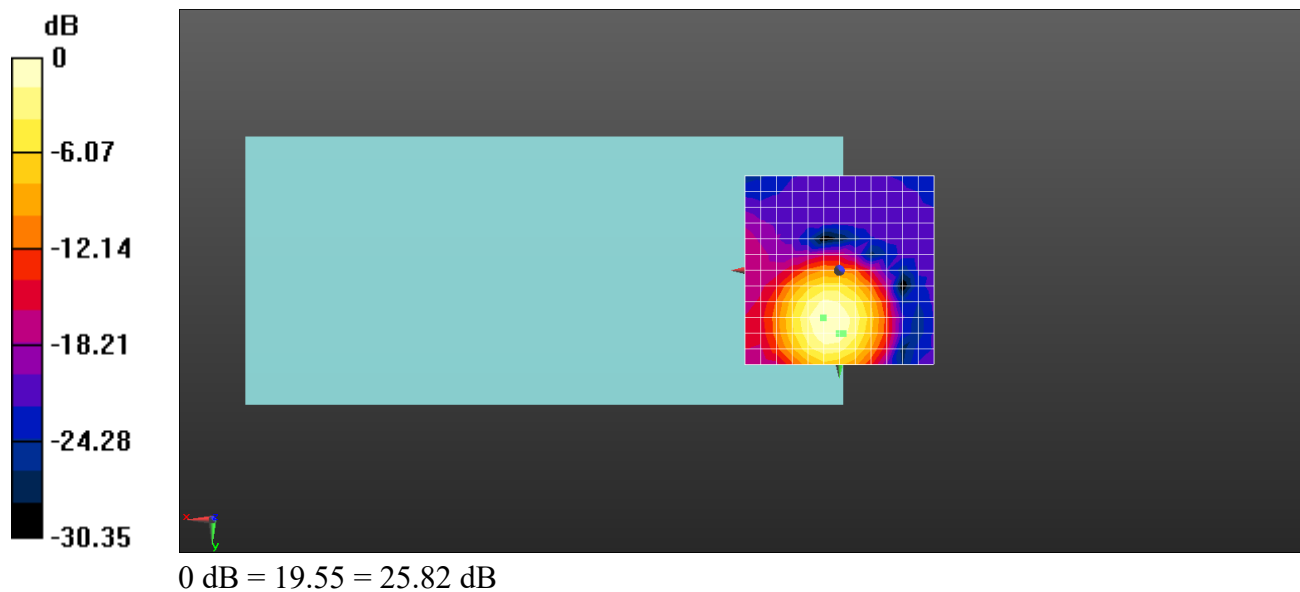
dx=10mm, dy=10mm

ABM1/ABM2 = 25.82 dB

ABM1 comp = 1.65 dBA/m

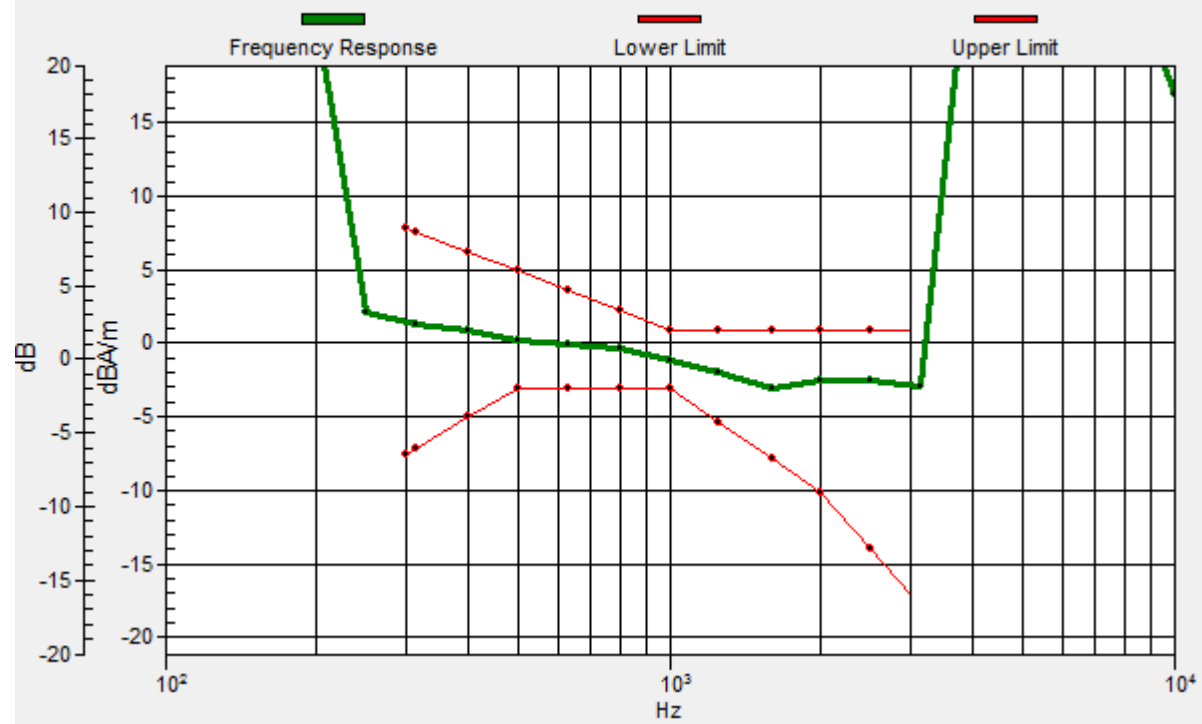
BWC Factor = 0.15 dB

Location: 0, 16.7, 3.7 mm



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

Loc: -0.9, 16.8, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 26 1.4M QPSK 6RB0 26865CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, LTE-FDD BW 1.4MHZ (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

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

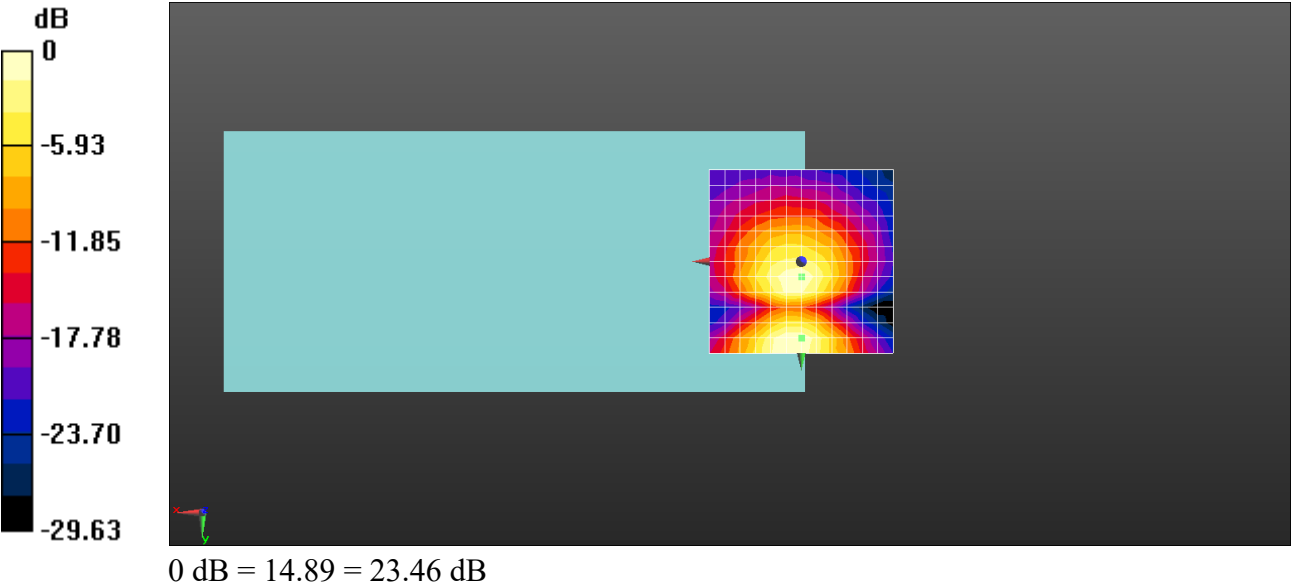
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115;Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm
ABM1/ABM2 = 23.46 dB
ABM1 comp = -5.80 dBA/m
BWC Factor = 0.15 dB
Location: 0, 4.2, 3.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 66 20M QPSK 100RB0 132322CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

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: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

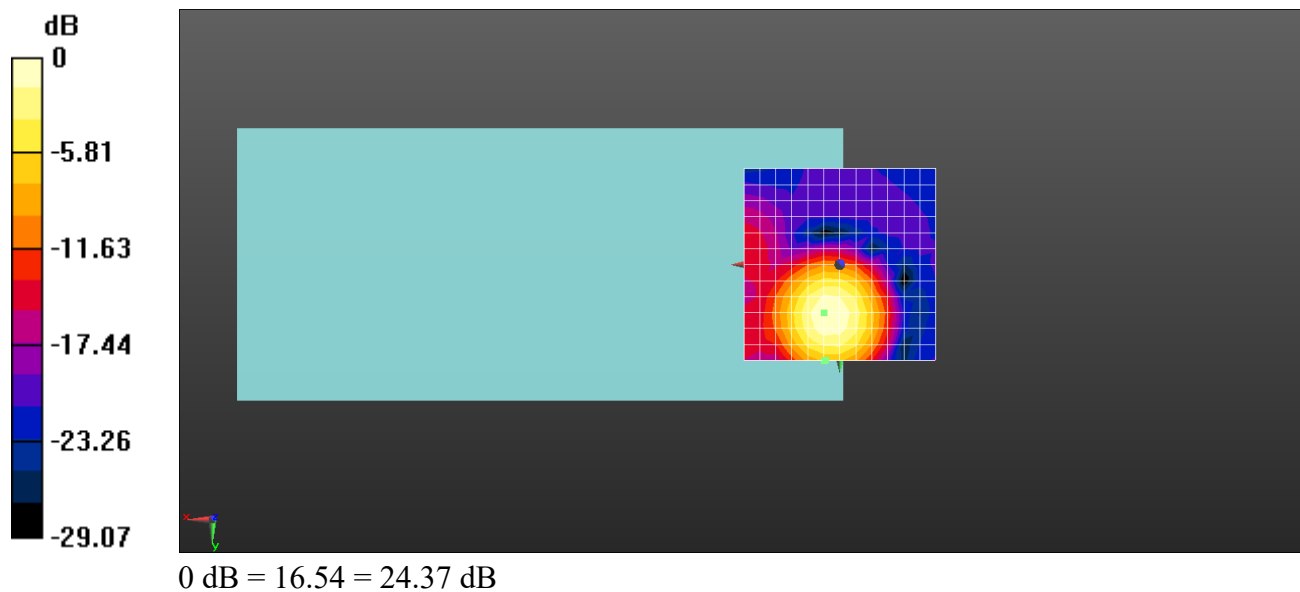
dx=10mm, dy=10mm

ABM1/ABM2 = 24.37 dB

ABM1 comp = -9.45 dBA/m

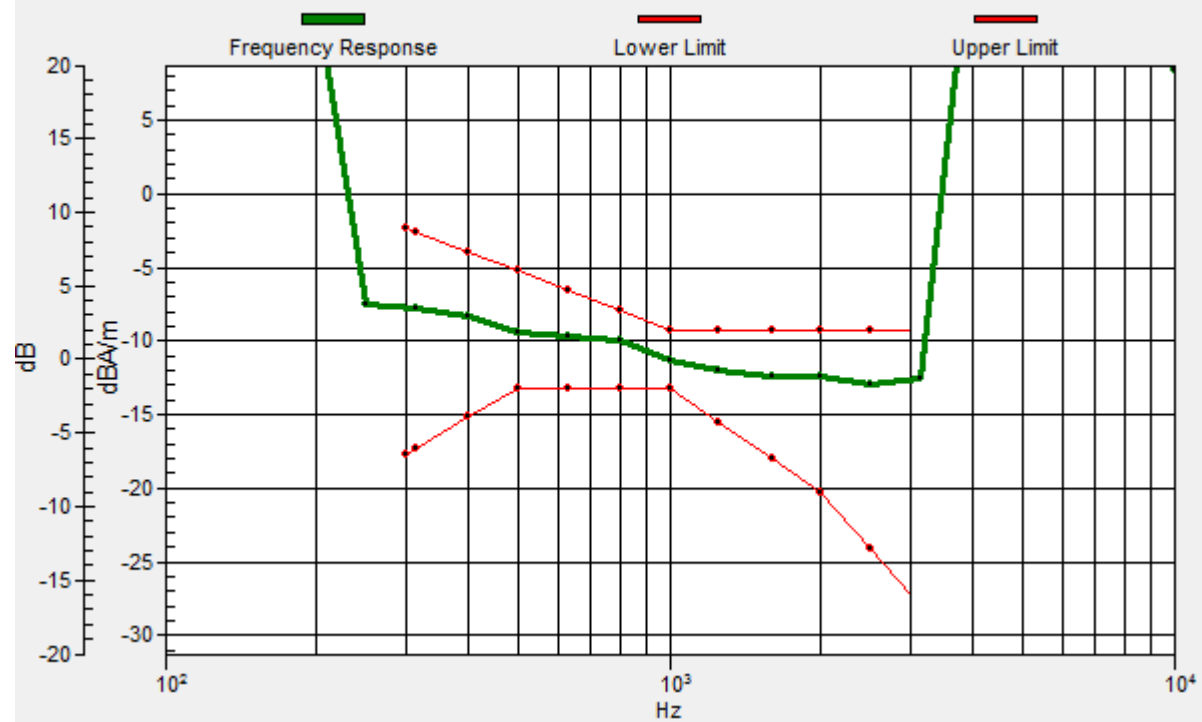
BWC Factor = 0.15 dB

Location: 4.2, 25, 3.7 mm



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

Loc: 3.7, 25, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 66 20M QPSK 100RB0 132322CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

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

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

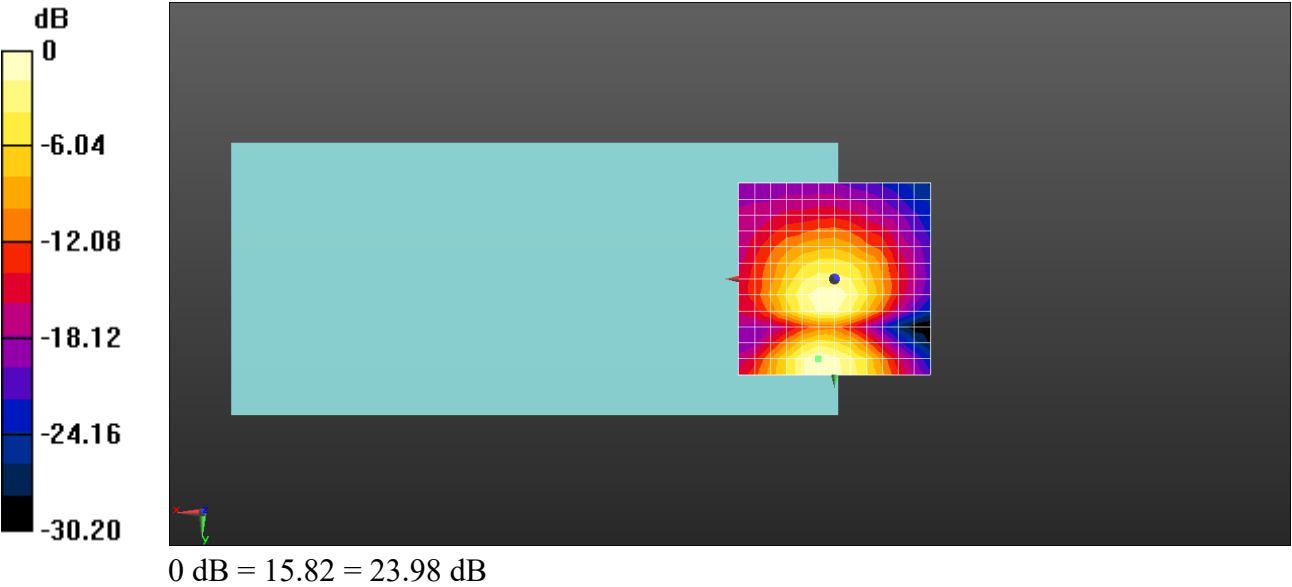
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115;Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm
ABM1/ABM2 = 23.98 dB
ABM1 comp = -5.28 dBA/m
BWC Factor = 0.15 dB
Location: 4.2, 20.8, 3.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 71 20M QPSK 100RB0 133297CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

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

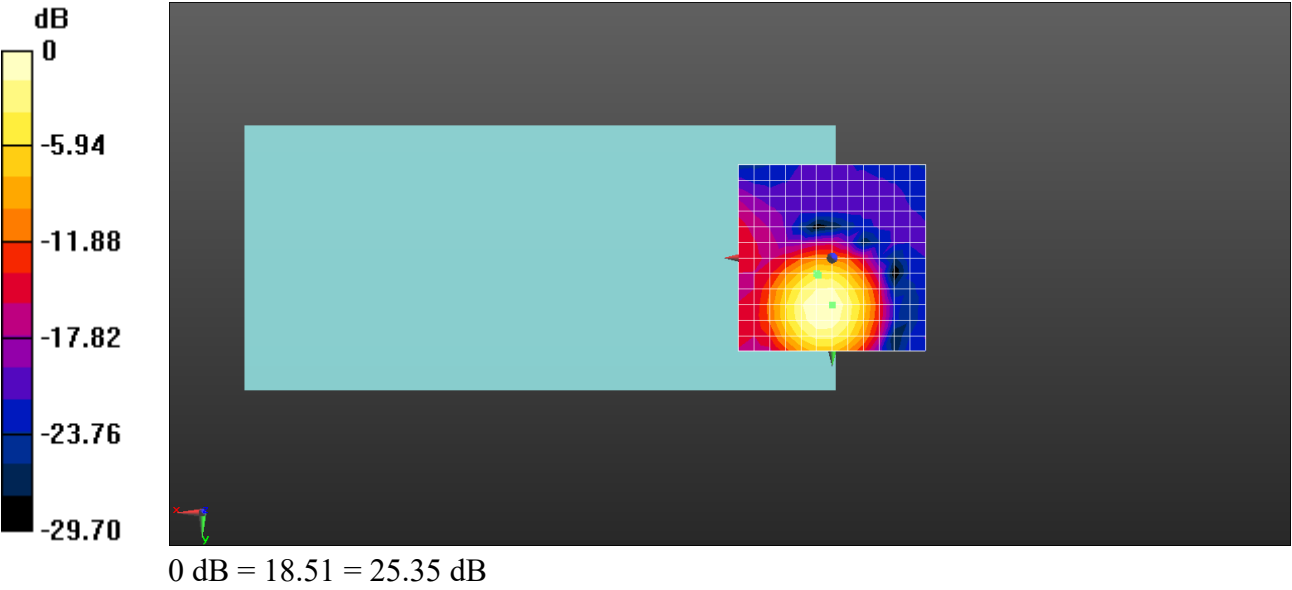
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

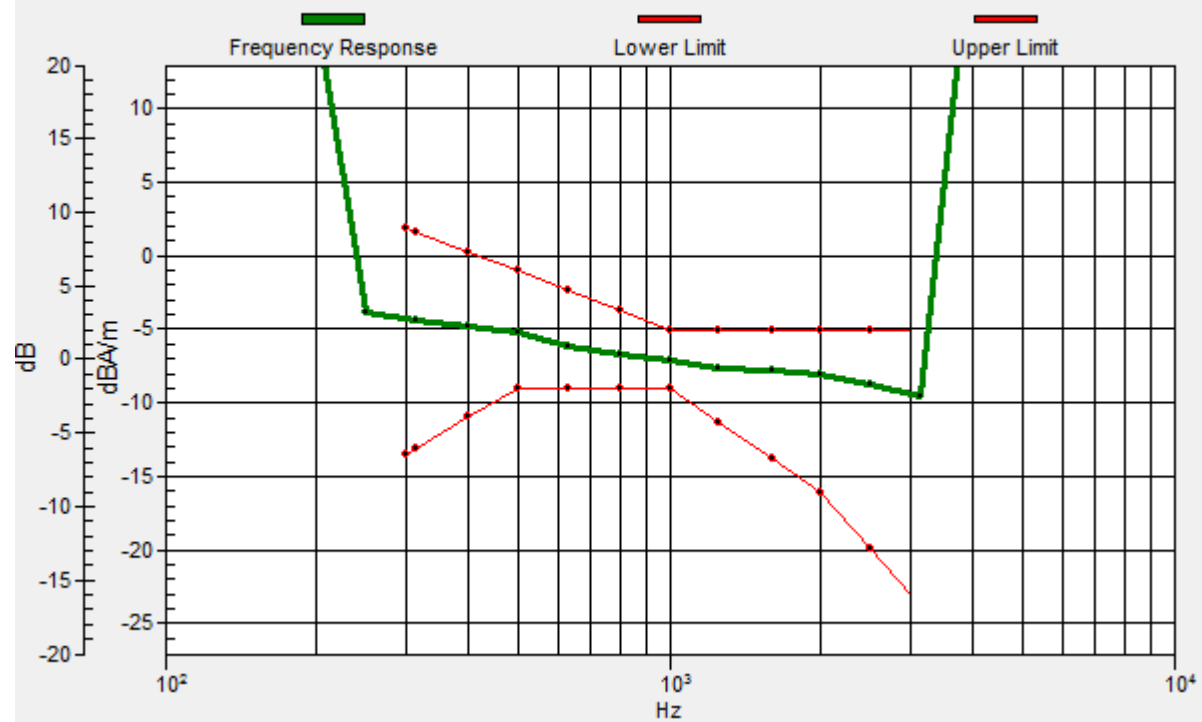
T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm
ABM1/ABM2 = 25.35 dB
ABM1 comp = -5.02 dBA/m
BWC Factor = 0.15 dB
Location: 4.2, 4.2, 3.7 mm



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

Loc: 3.7, 4.5, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 71 20M QPSK 100RB0 133297CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

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: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

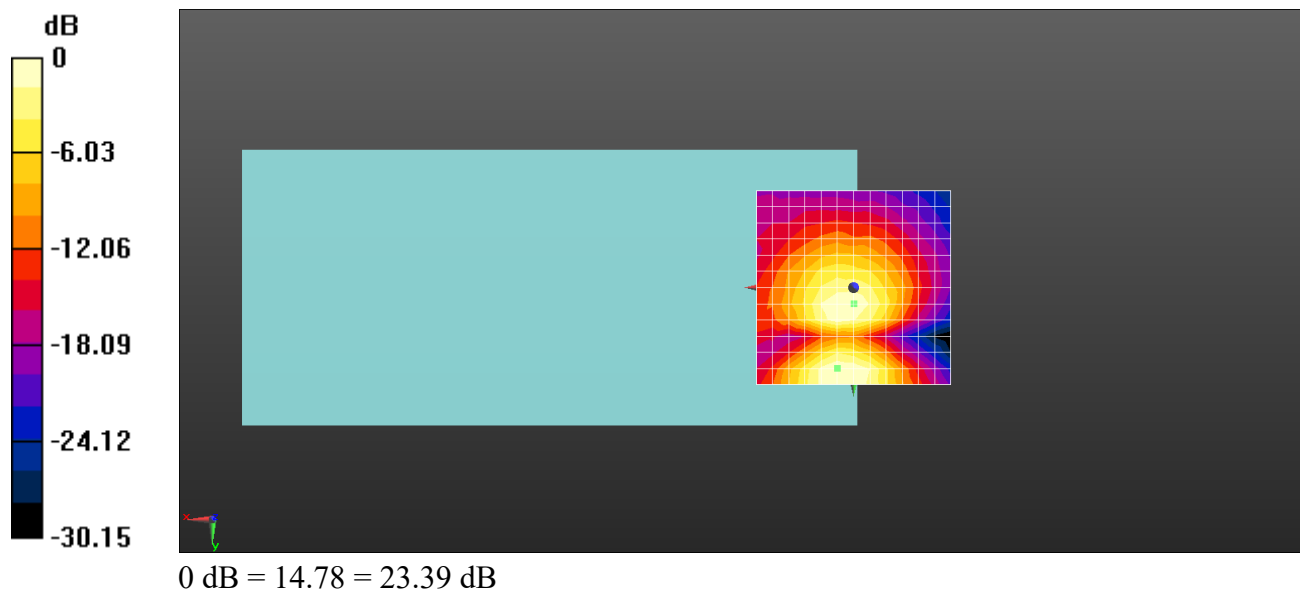
grid: dx=10mm, dy=10mm

ABM1/ABM2 = 23.39 dB

ABM1 comp = -5.88 dBA/m

BWC Factor = 0.15 dB

Location: 0, 4.2, 3.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 41 20M QPSK 1RB0 40620CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2593 MHz;Duty Cycle: 1:1.57906

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

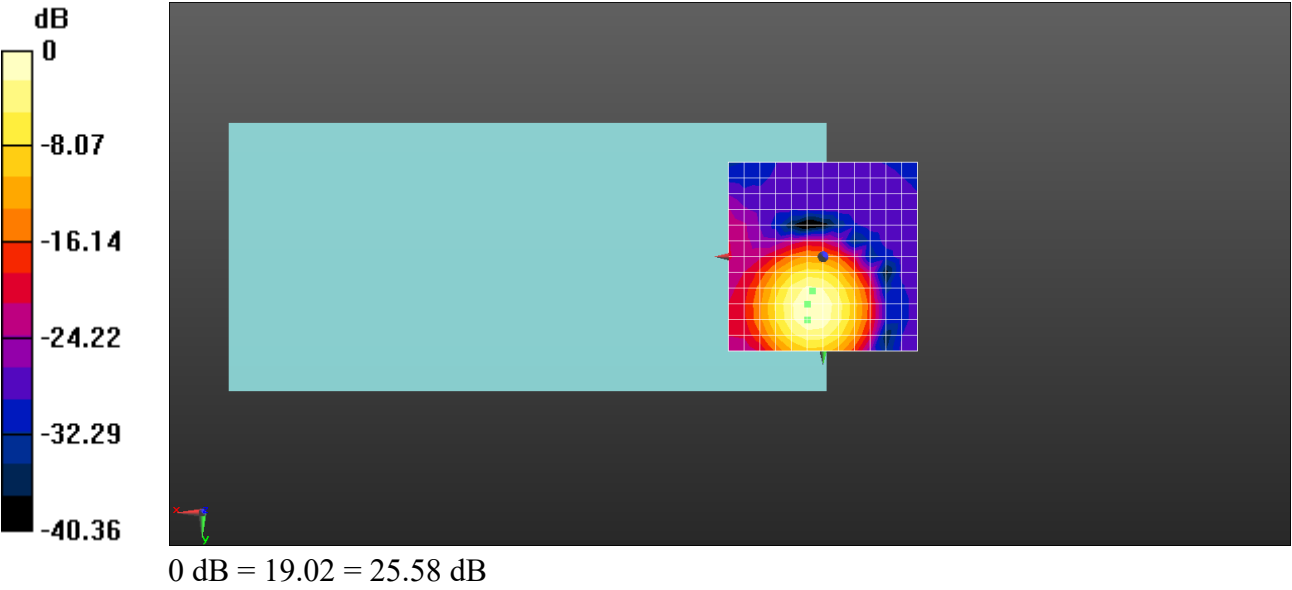
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115;Calibrated: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

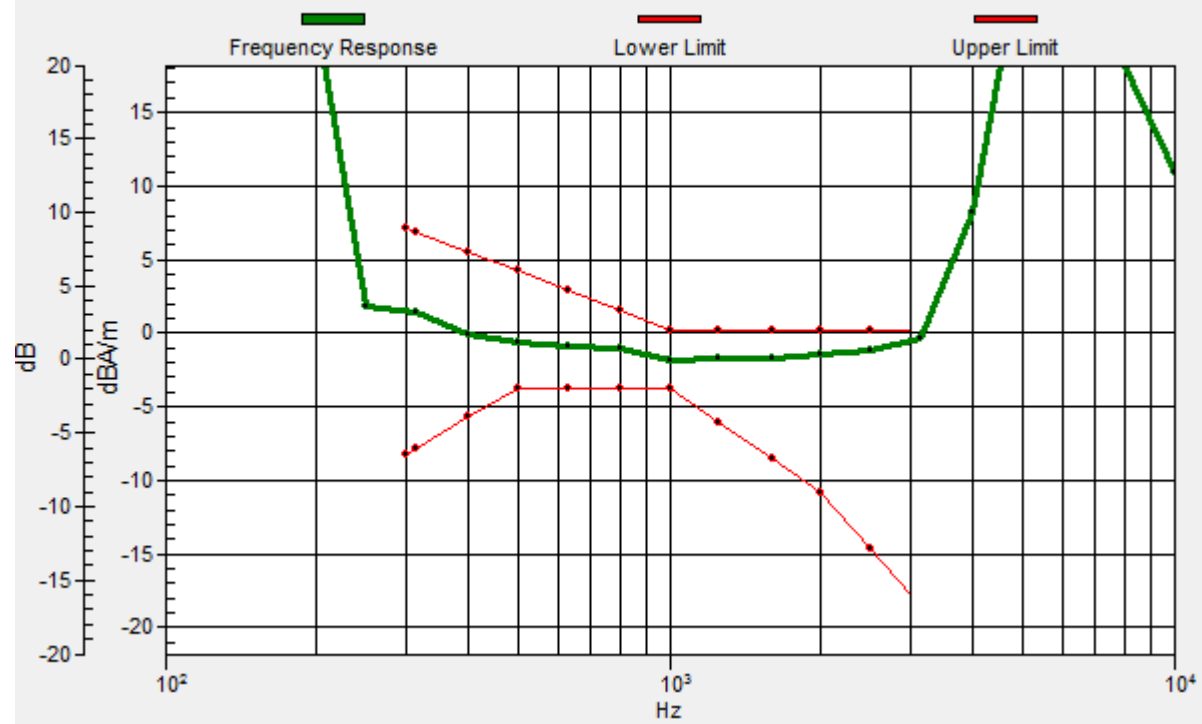
T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm
ABM1/ABM2 = 25.59 dB
ABM1 comp = 3.92 dBA/m
BWC Factor = 0.14 dB
Location: 4.2, 16.7, 3.7 mm



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

Loc: 2.9, 9.2, 3.7 mm Diff: 0.74dB



Test Laboratory: SGS-SAR Lab

SP502 HAC-T-Coil-LTE Band 41 20M QPSK 1RB0 40620CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2593 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: 2021-06-01
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm
ABM1/ABM2 = 25.22 dB
ABM1 comp = -6.96 dBA/m
BWC Factor = 0.14 dB
Location: -4.2, 25, 3.7 mm

