



Report No.: SEWM2308000313RG11

Rev.: 01

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Appendix A

Detailed Test Results

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WCDMA Band V
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GSM850
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WLAN 2.4GHz
WLAN 5GHz

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-GSM850 GSM Voice 190CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

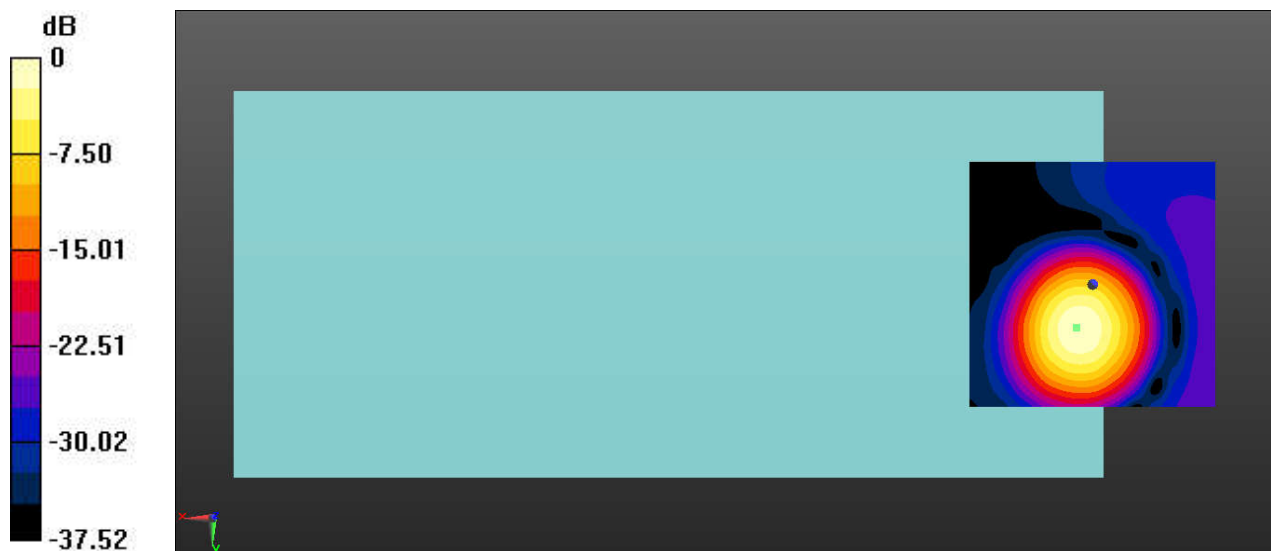
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 29.88 dB

ABM1 comp = -0.68 dBA/m

BWC Factor = 0.04 dB

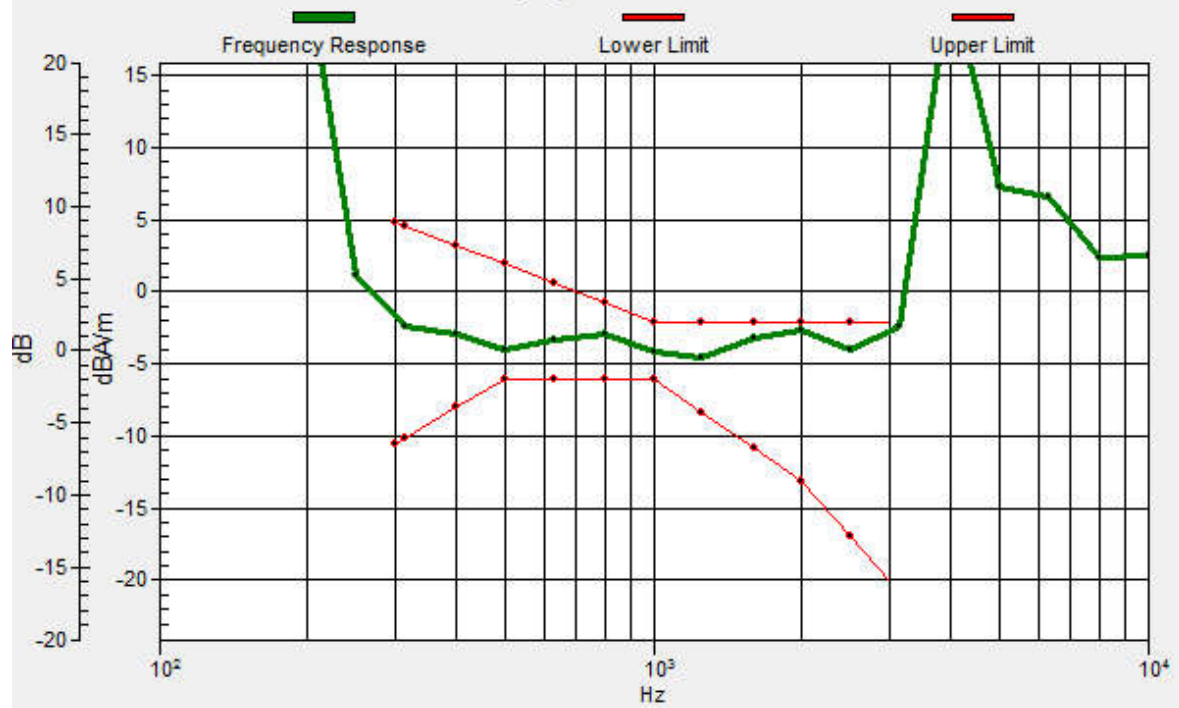
Location: 3.3, 8.7, 3.7 mm



0 dB = 31.17 = 29.88 dB

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

Loc: 3.2, 8.8, 3.7 mm Diff: 0.54dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-GSM850 GSM Voice 190CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

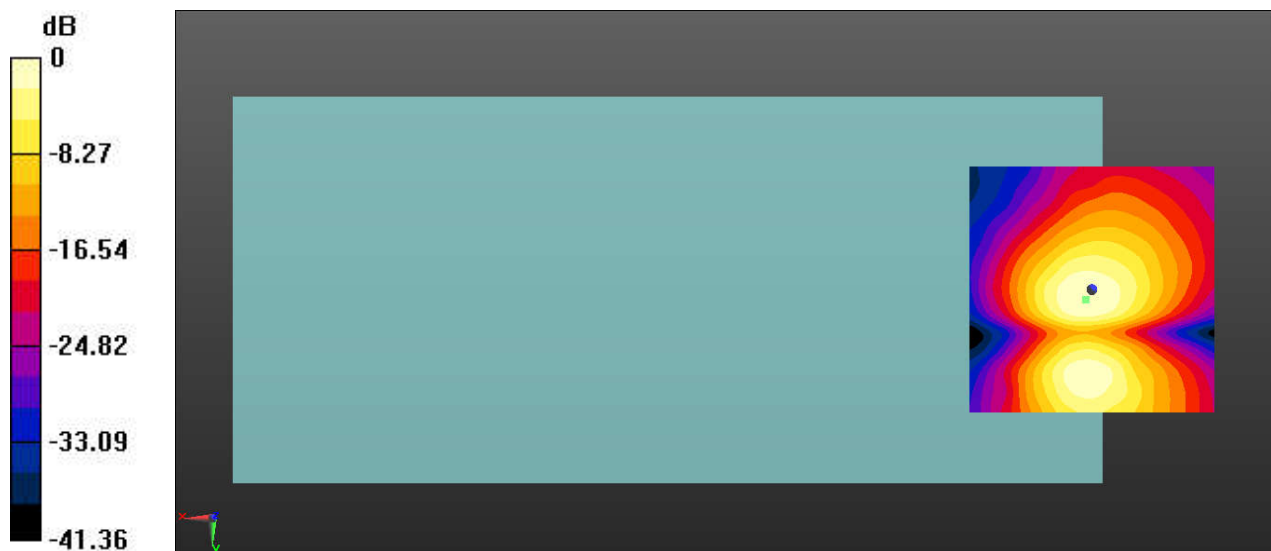
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.66 dB

ABM1 comp = -10.45 dBA/m

BWC Factor = 0.04 dB

Location: 1.3, 2.1, 3.7 mm



0 dB = 85.66 = 38.66 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-GSM1900 GSM Voice 661CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

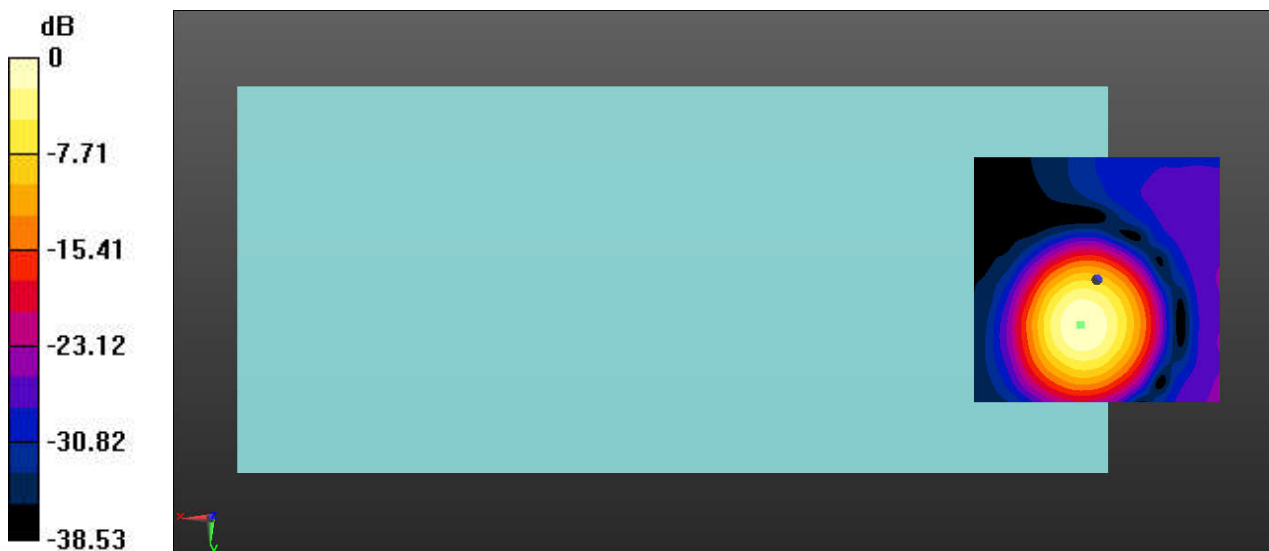
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 30.82 dB

ABM1 comp = -1.04 dBA/m

BWC Factor = 0.04 dB

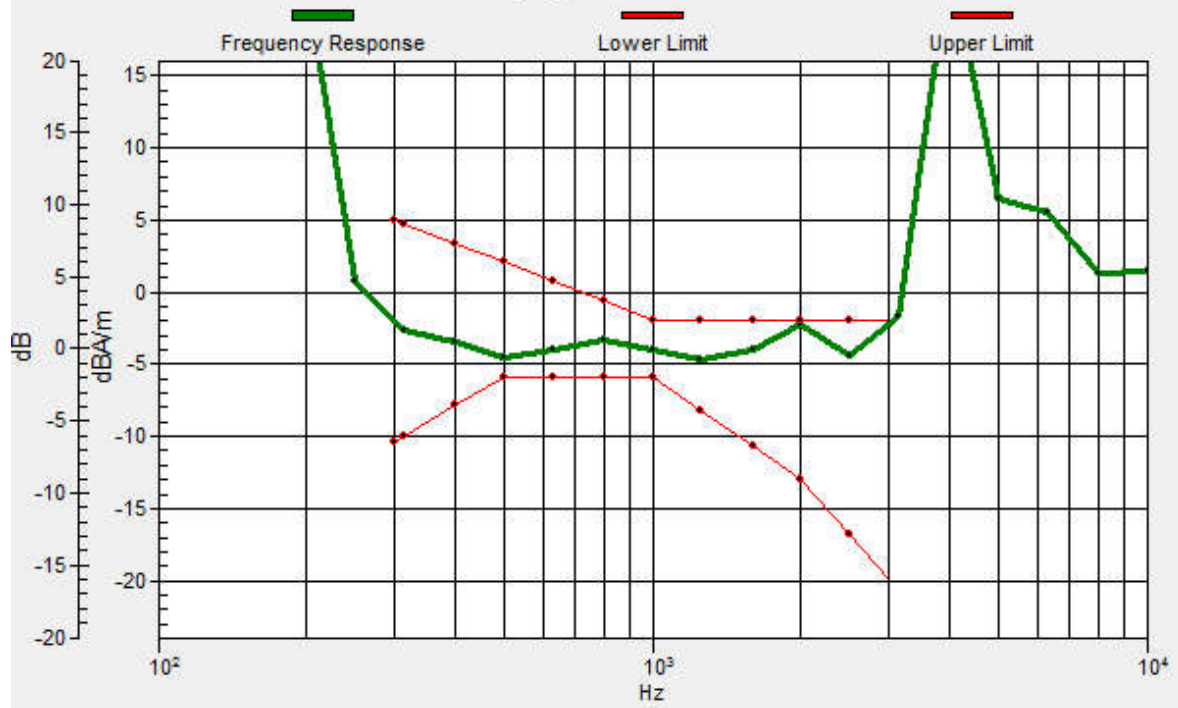
Location: 3.3, 9.2, 3.7 mm



0 dB = 34.76 = 30.82 dB

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

Loc: 3.2, 9.2, 3.7 mm Diff: 0.32dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-GSM1900 GSM Voice 661CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

Communication System: UID 0, GSM Only Communication System (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

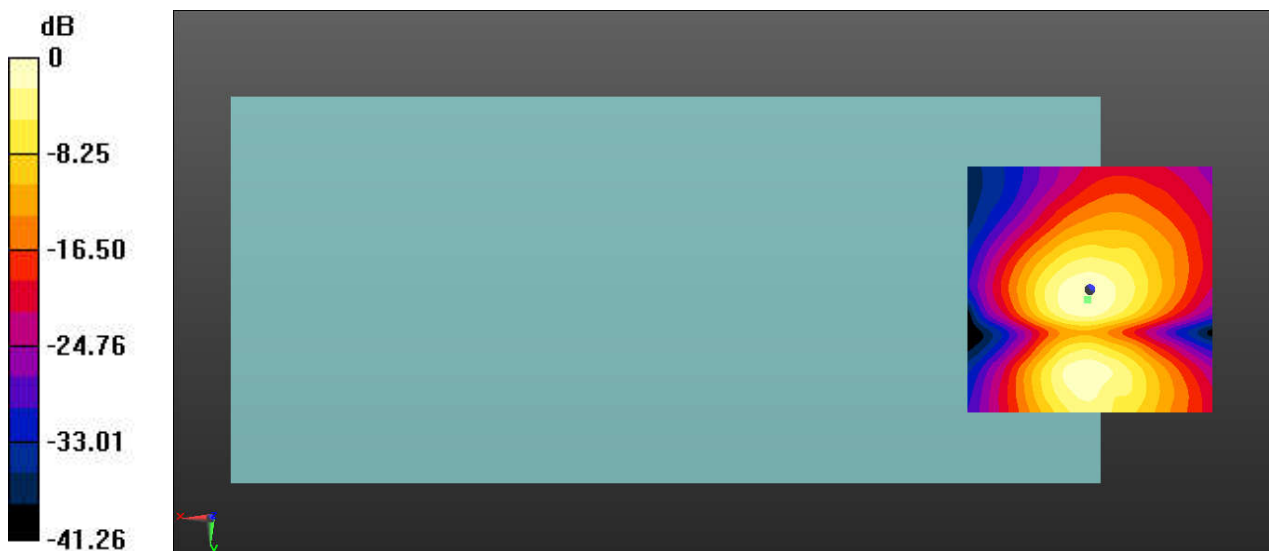
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.06 dB

ABM1 comp = -10.88 dBA/m

BWC Factor = 0.04 dB

Location: 0.4, 2.1, 3.7 mm



0 dB = 80.01 = 38.06 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-WCDMA Band II AMR Voice 9400CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

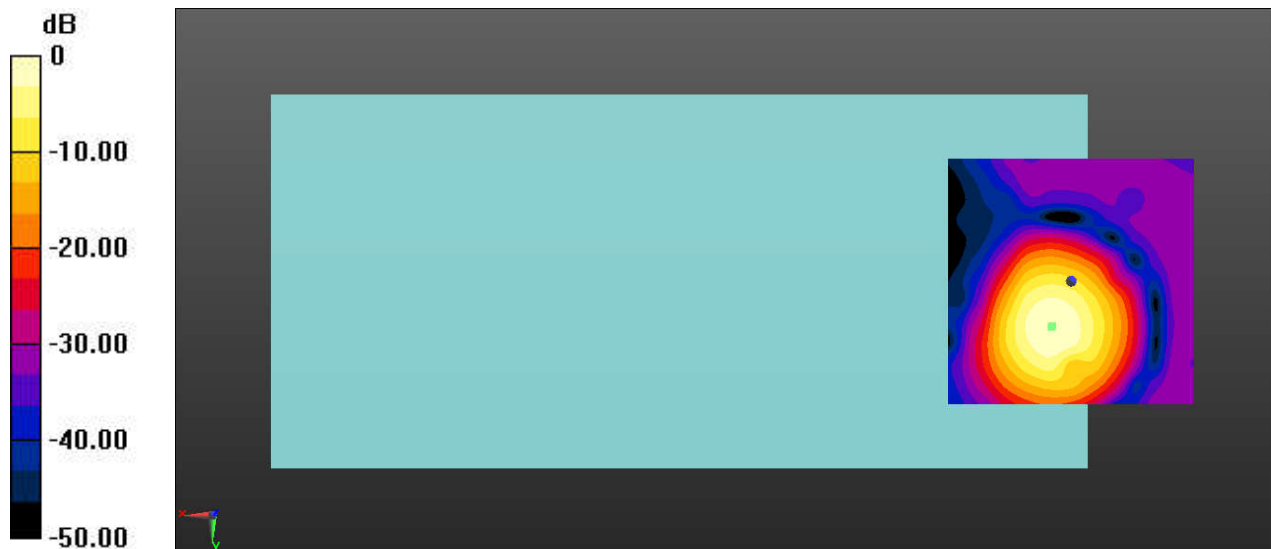
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 47.24 dB

ABM1 comp = -0.82 dBA/m

BWC Factor = 0.03 dB

Location: 3.8, 9.2, 3.7 mm



0 dB = 230.3 = 47.24 dB

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

Loc: 4, 9.3, 3.7 mm Diff: 1.22dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-WCDMA Band II AMR Voice 9400CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

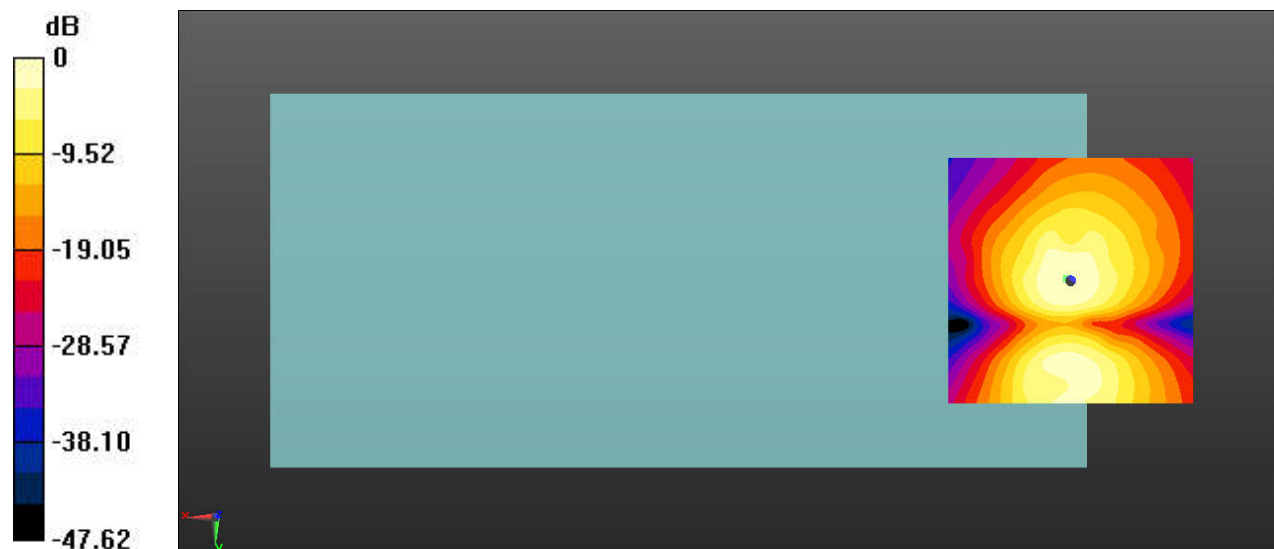
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.47 dB

ABM1 comp = -10.35 dBA/m

BWC Factor = 0.03 dB

Location: 0.8, -0.4, 3.7 mm



0 dB = 105.5 = 40.47 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-WCDMA Band IV AMR Voice 1412CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

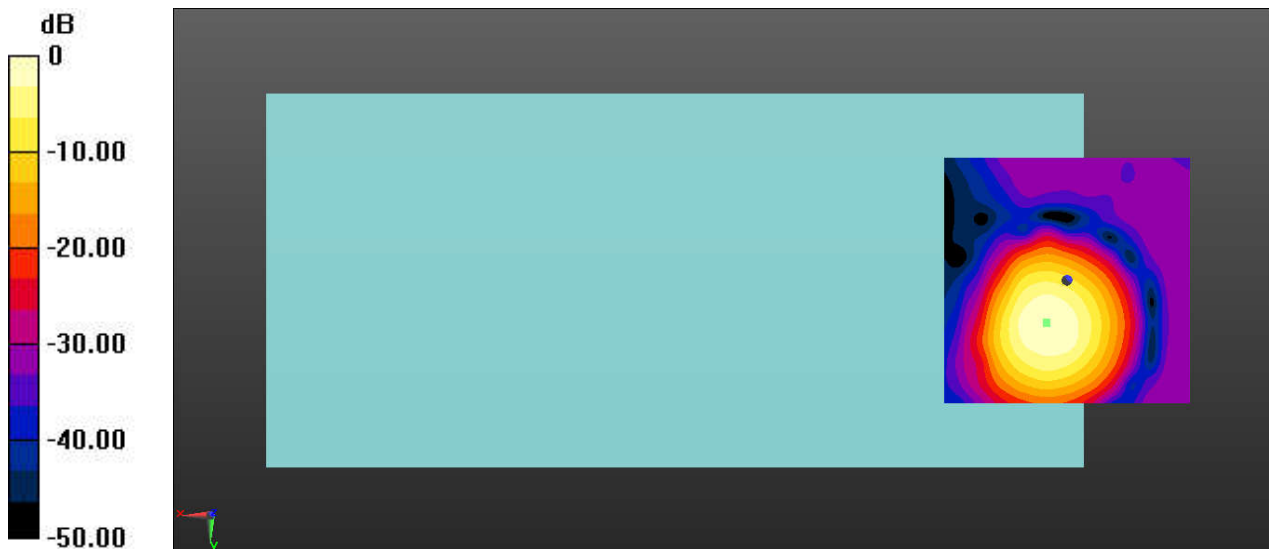
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 46.68 dB

ABM1 comp = -0.73 dBA/m

BWC Factor = 0.03 dB

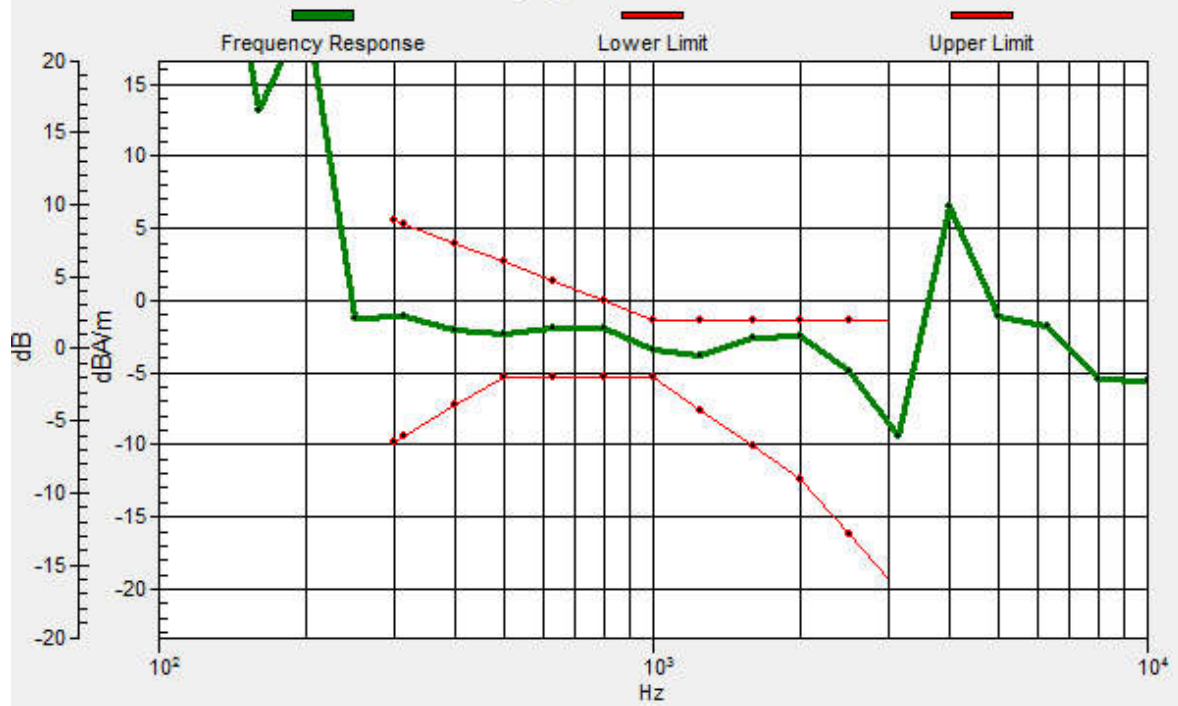
Location: 4.2, 8.7, 3.7 mm



0 dB = 215.8 = 46.68 dB

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

Loc: 4.1, 8.6, 3.7 mm Diff: 1.15dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-WCDMA Band IV AMR Voice 1412CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

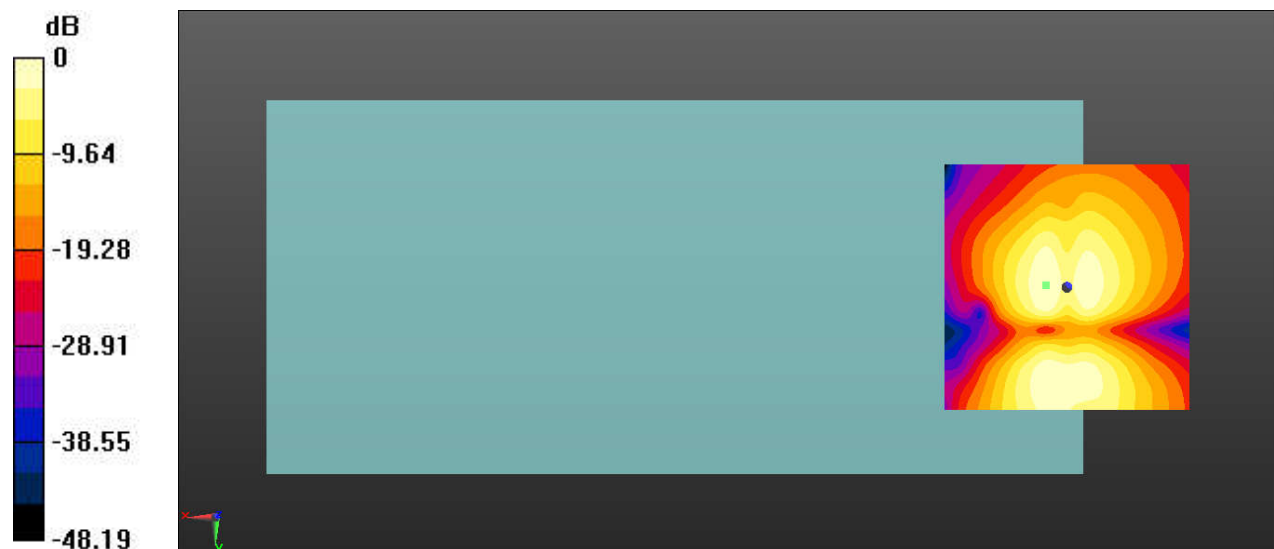
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.41 dB

ABM1 comp = -9.46 dBA/m

BWC Factor = 0.03 dB

Location: 4.2, -0.4, 3.7 mm



0 dB = 93.41 = 39.41 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-WCDMA Band V AMR Voice 4182CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

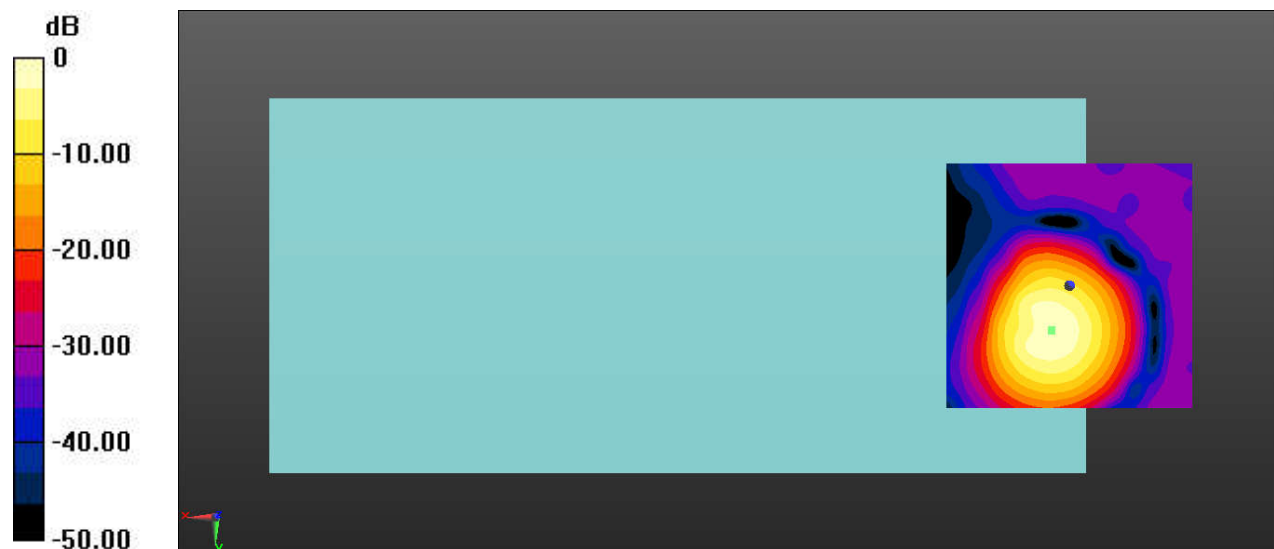
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 47.64 dB

ABM1 comp = -0.73 dBA/m

BWC Factor = 0.03 dB

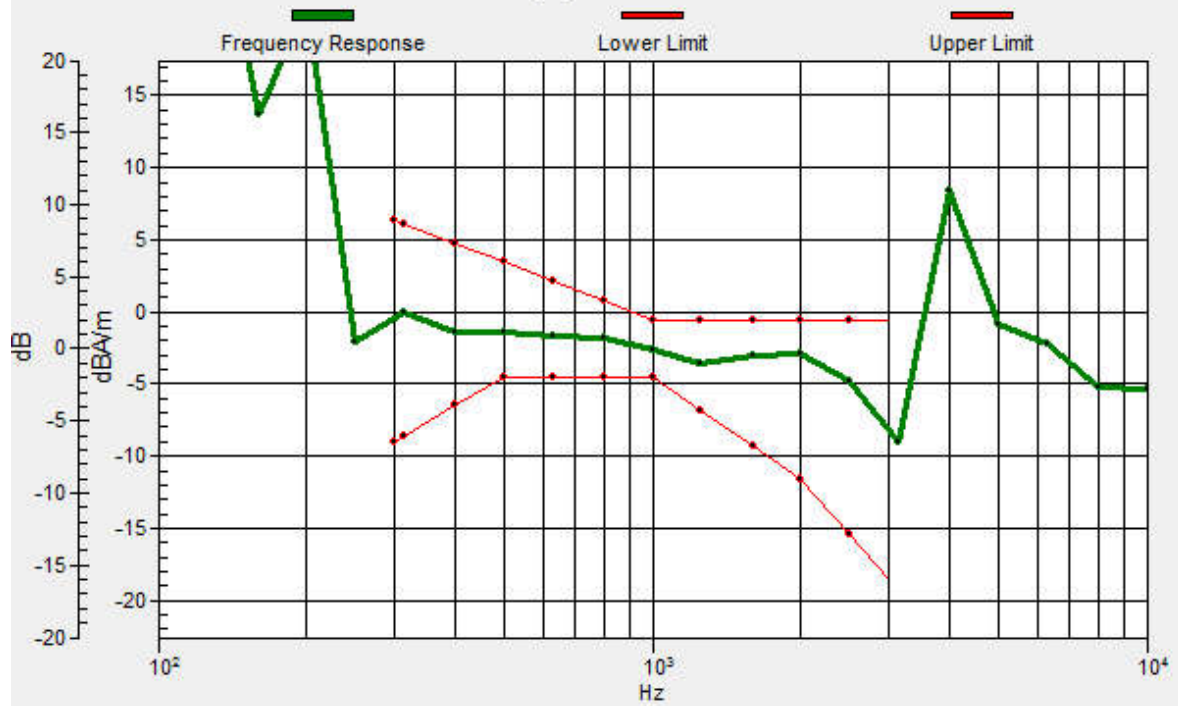
Location: 3.8, 9.2, 3.7 mm



0 dB = 240.9 = 47.64 dB

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

Loc: 3.6, 9, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-WCDMA Band V AMR Voice 4182CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

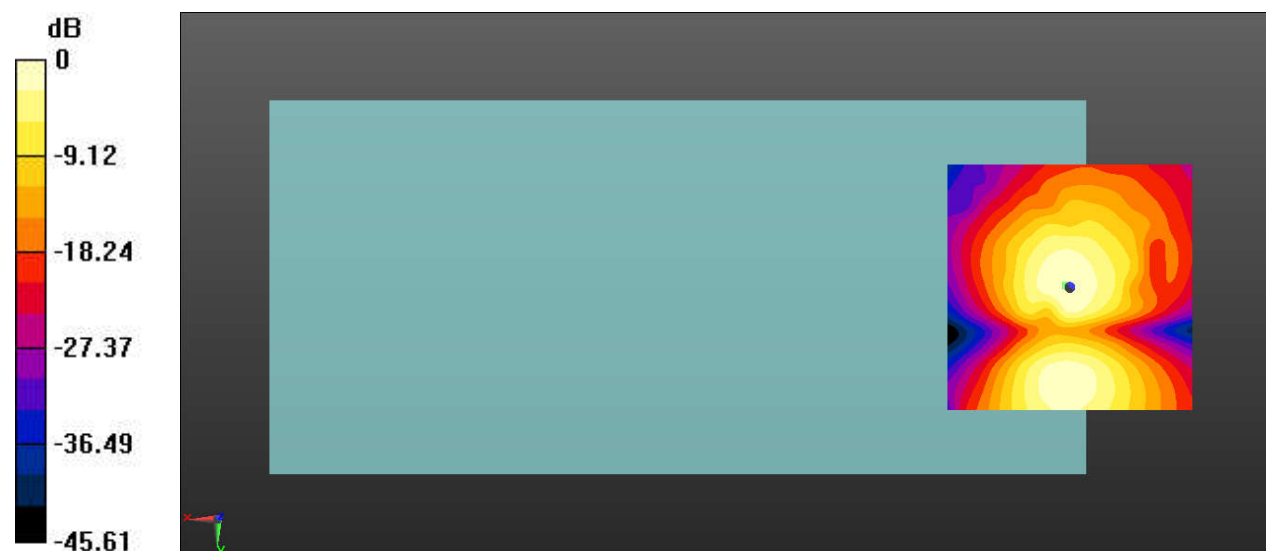
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.62 dB

ABM1 comp = -10.33 dBA/m

BWC Factor = 0.03 dB

Location: 0.8, -0.4, 3.7 mm



0 dB = 107.4 = 40.62 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 2 20M QPSK 1RB0 18900CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

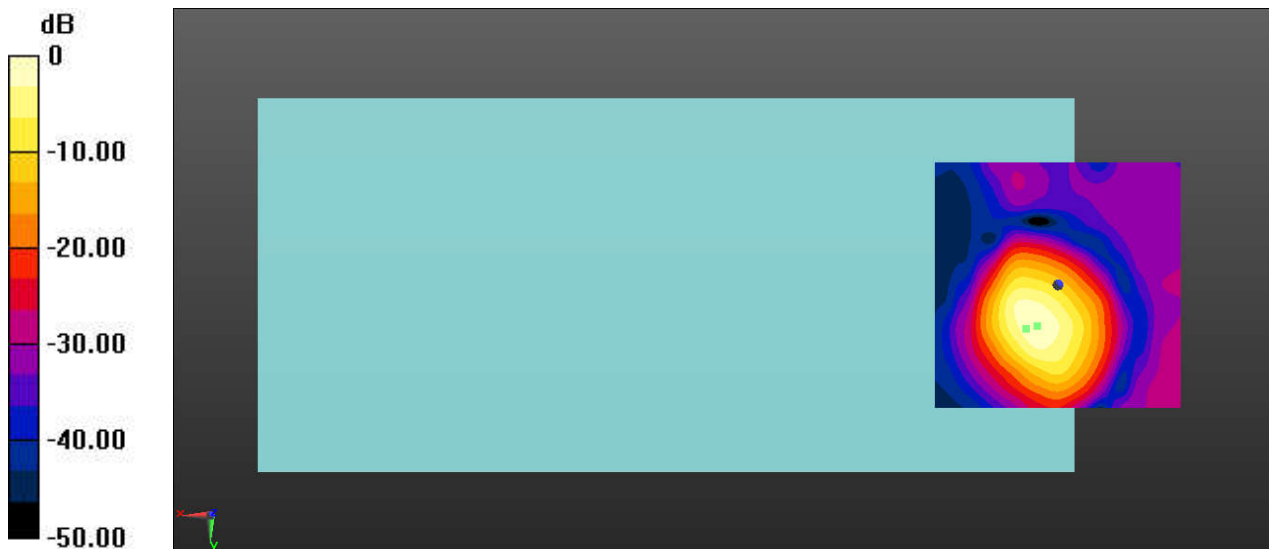
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 41.54 dB

ABM1 comp = -1.28 dBA/m

BWC Factor = 0.03 dB

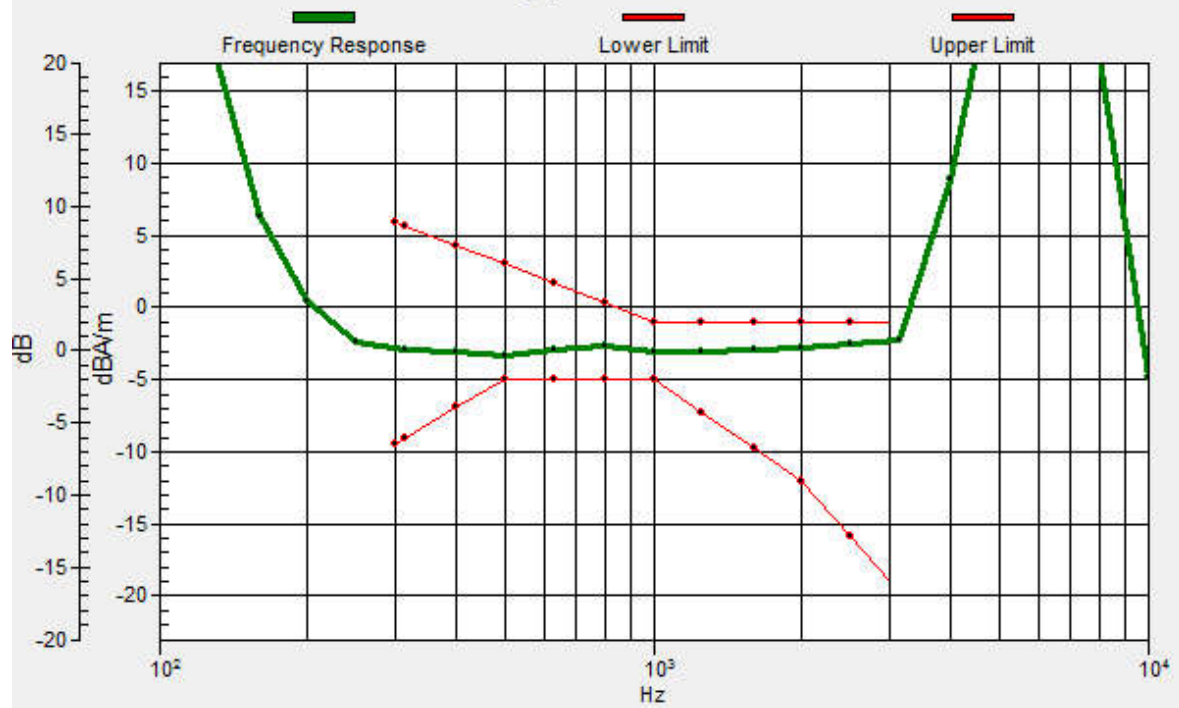
Location: 4.2, 8.3, 3.7 mm



0 dB = 119.4 = 41.54 dB

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

Loc: 6.4, 9, 3.7 mm Diff: 1.29dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 2 20M QPSK 1RB0 18900CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

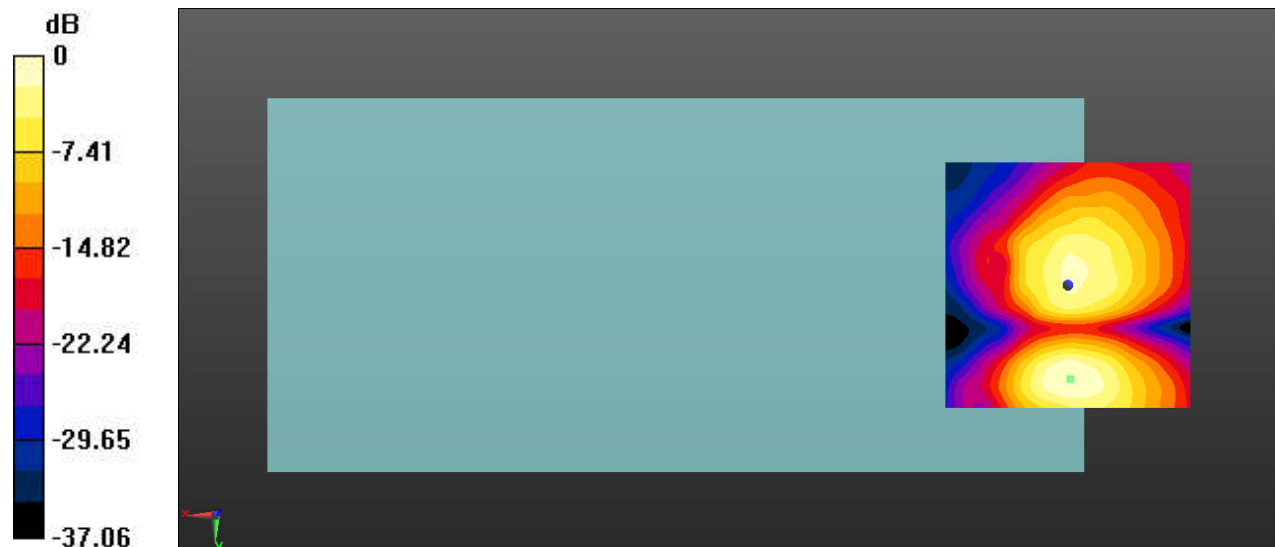
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.38 dB

ABM1 comp = -11.80 dBA/m

BWC Factor = 0.03 dB

Location: -0.4, 19.2, 3.7 mm



0 dB = 52.37 = 34.38 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 4 20M QPSK 1RB0 20175CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

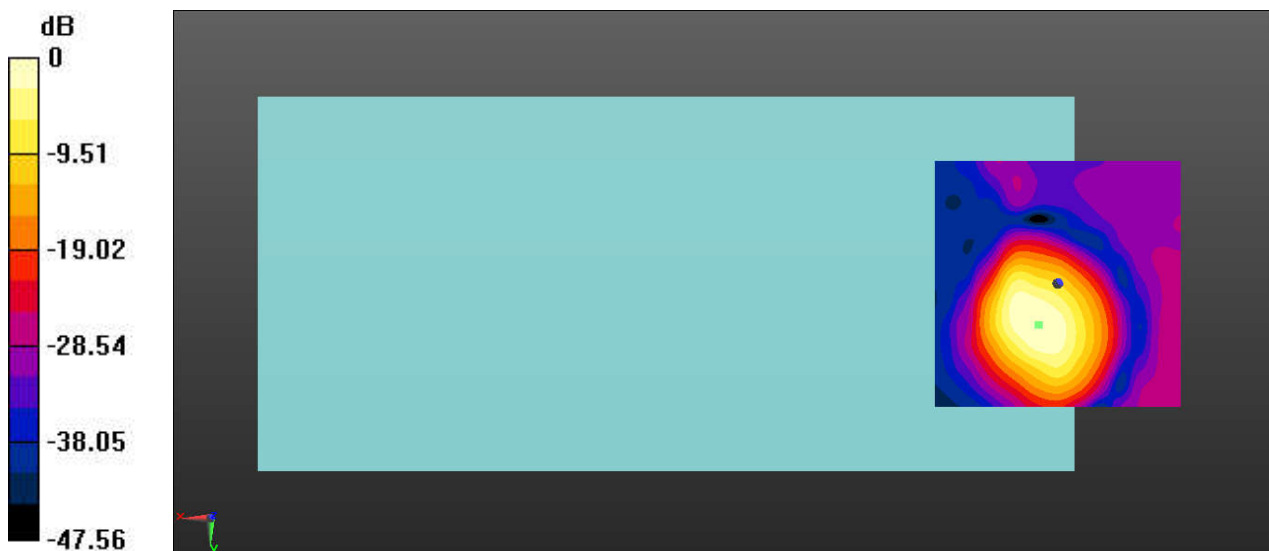
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.50 dB

ABM1 comp = -1.78 dBA/m

BWC Factor = 0.03 dB

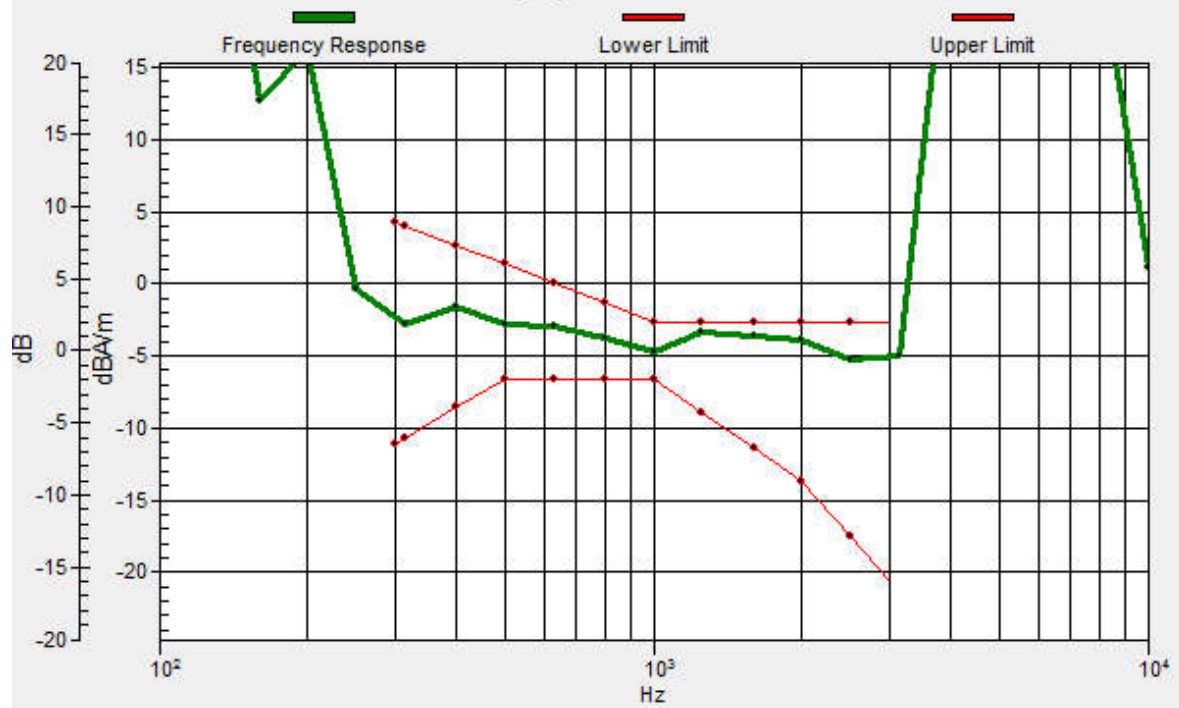
Location: 3.8, 8.3, 3.7 mm



0 dB = 94.42 = 39.50 dB

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

Loc: 3.9, 8.4, 3.7 mm Diff: 0.71dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 4 20M QPSK 1RB0 20175CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

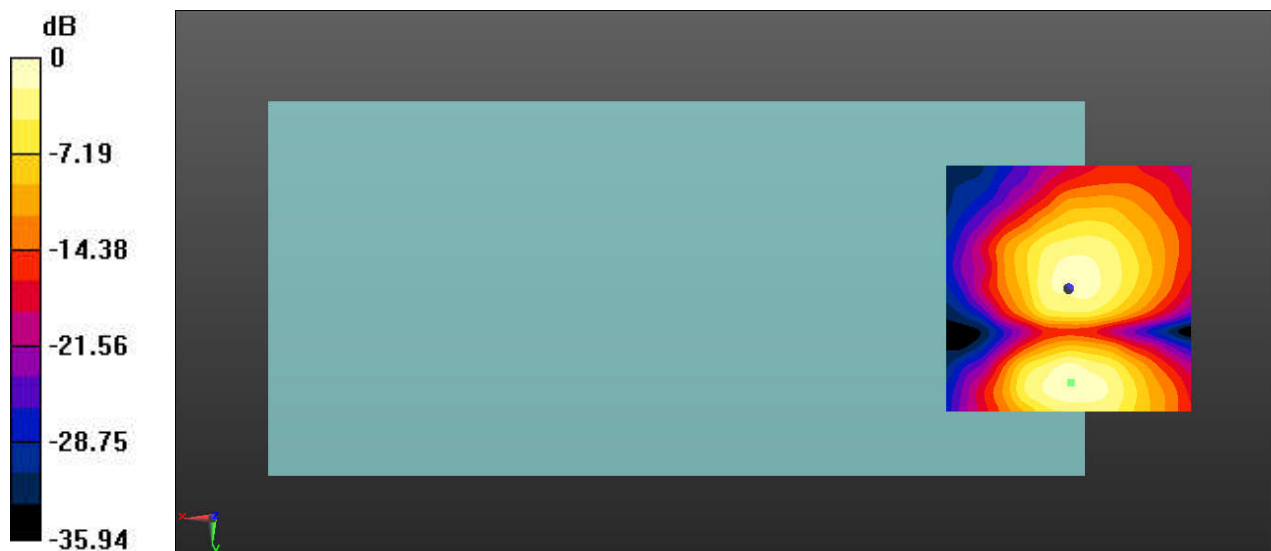
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.45 dB

ABM1 comp = -12.18 dBA/m

BWC Factor = 0.03 dB

Location: -0.4, 19.2, 3.7 mm



0 dB = 47.02 = 33.45 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 5 10M QPSK 1RB0 20525CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

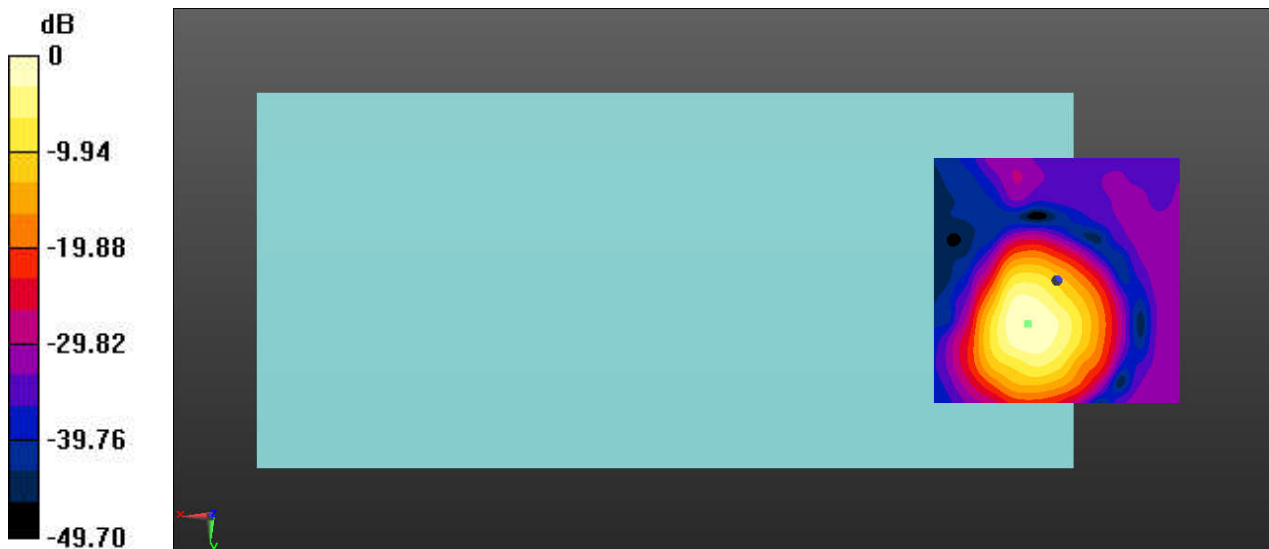
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.19 dB

ABM1 comp = -1.13 dBA/m

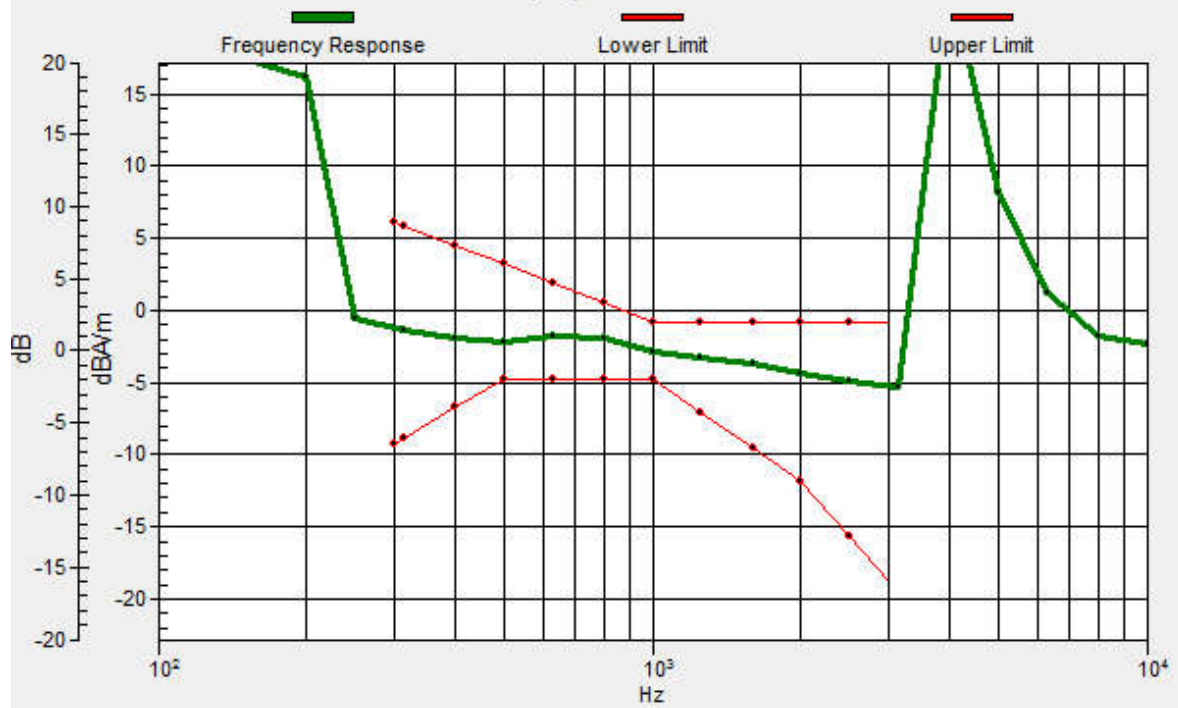
BWC Factor = 0.04 dB

Location: 5.8, 8.7, 3.7 mm



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

Loc: 5.8, 8.8, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 5 10M QPSK 1RB0 20525CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

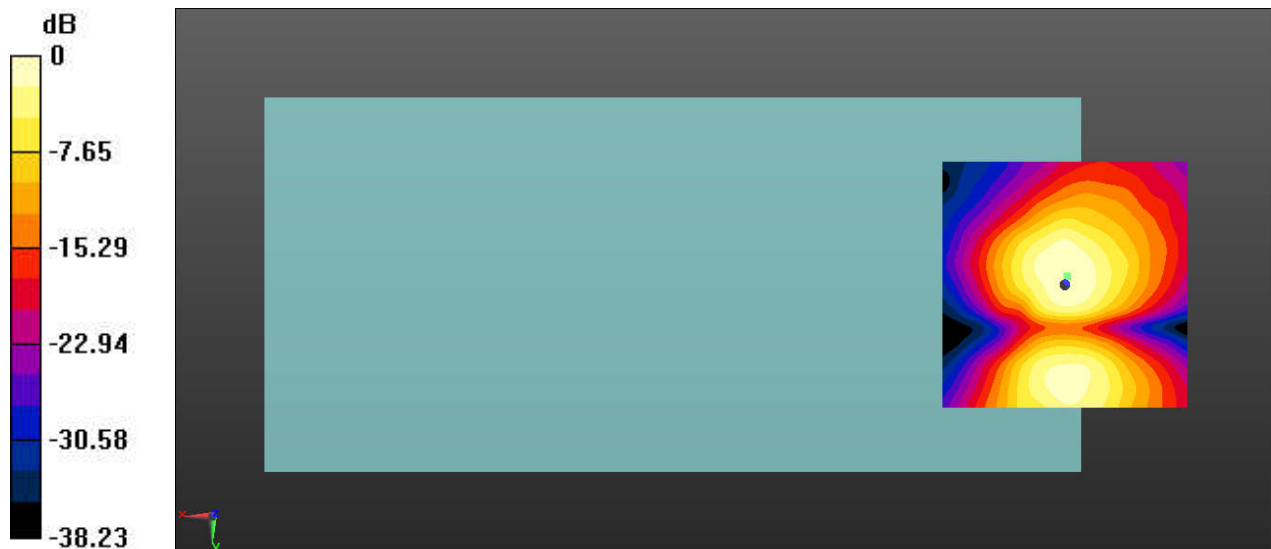
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.30 dB

ABM1 comp = -12.42 dBA/m

BWC Factor = 0.04 dB

Location: -0.4, -1.7, 3.7 mm



0 dB = 65.34 = 36.30 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 12 10M QPSK 1RB0 23095CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

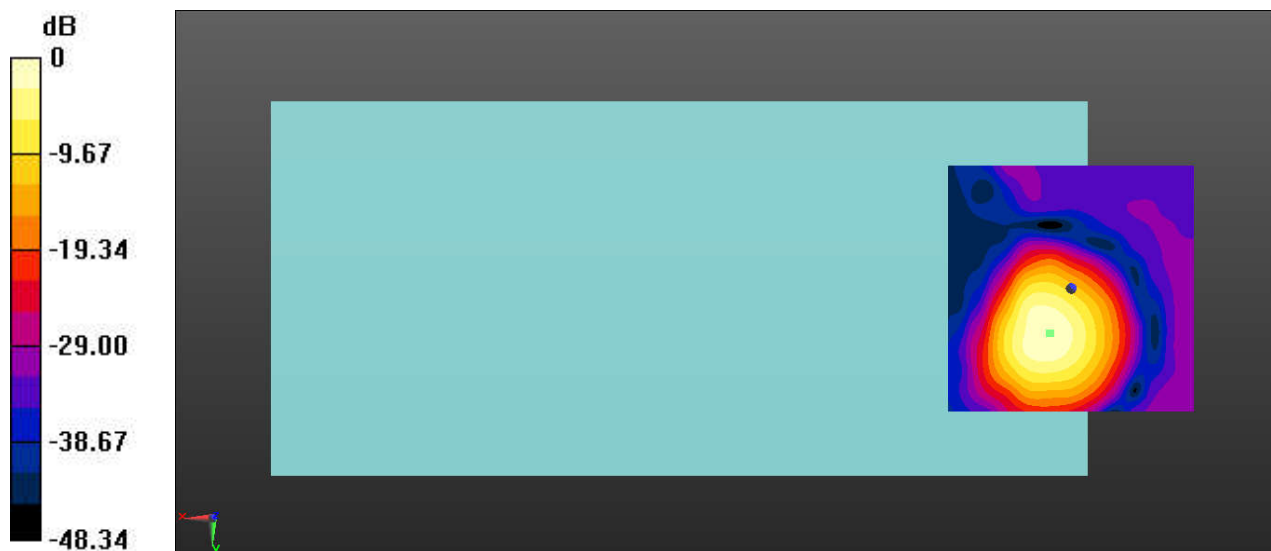
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.17 dB

ABM1 comp = -1.23 dBA/m

BWC Factor = 0.04 dB

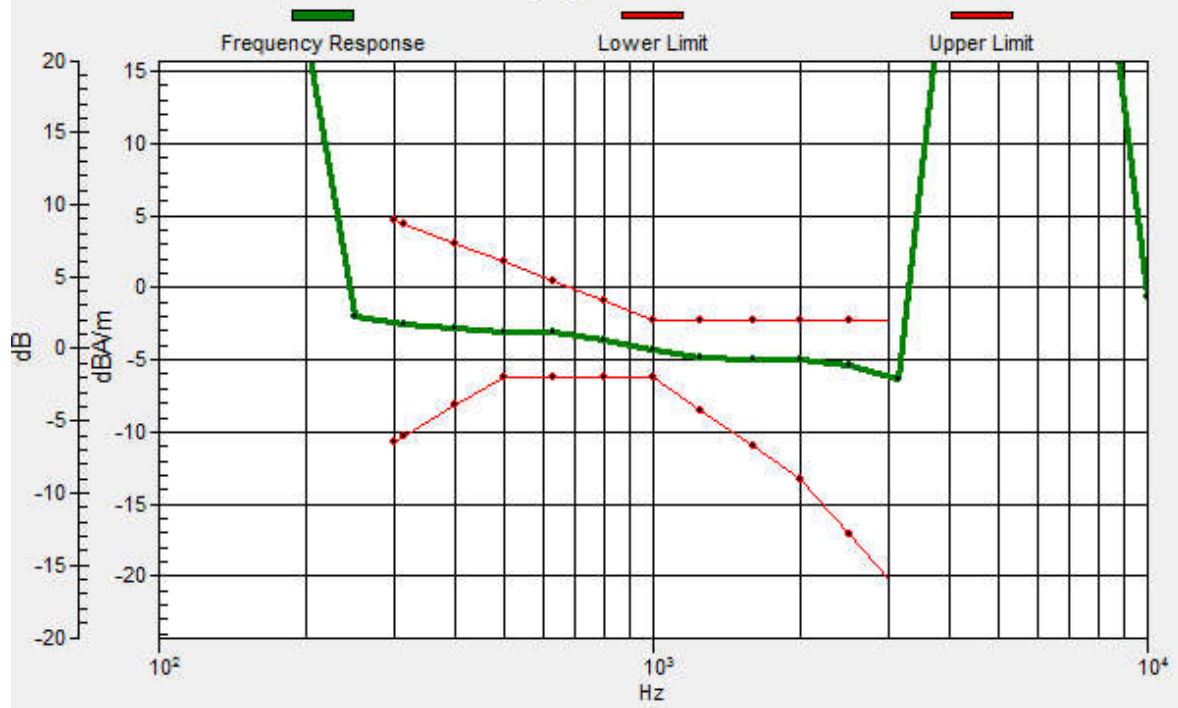
Location: 4.2, 9.2, 3.7 mm



0 dB = 144.1 = 43.17 dB

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

Loc: 4.3, 9.1, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 12 10M QPSK 1RB0 23095CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

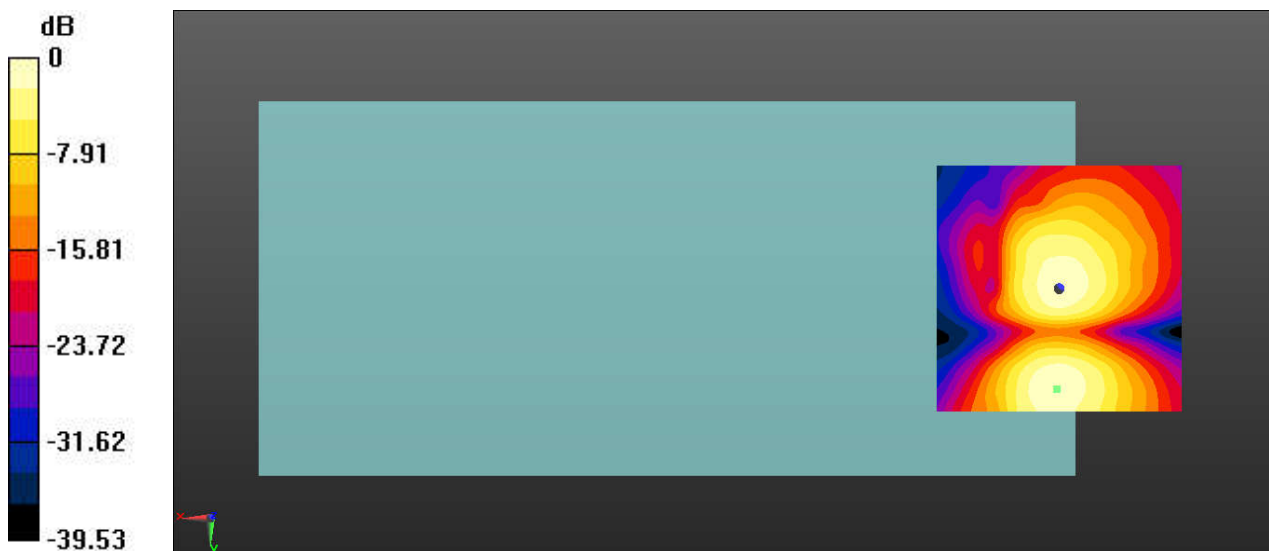
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.91 dB

ABM1 comp = -11.66 dBA/m

BWC Factor = 0.04 dB

Location: 0.4, 20.4, 3.7 mm



0 dB = 70.08 = 36.91 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 14 10M QPSK 1RB0 23330CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 793 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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

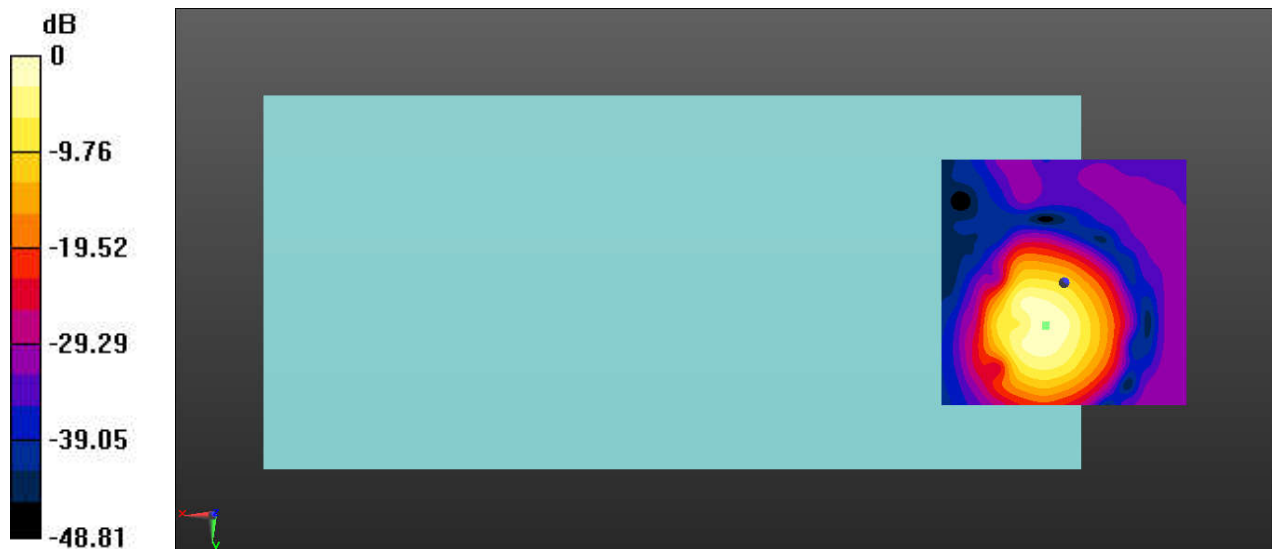
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.55 dB

ABM1 comp = -1.35 dBA/m

BWC Factor = 0.04 dB

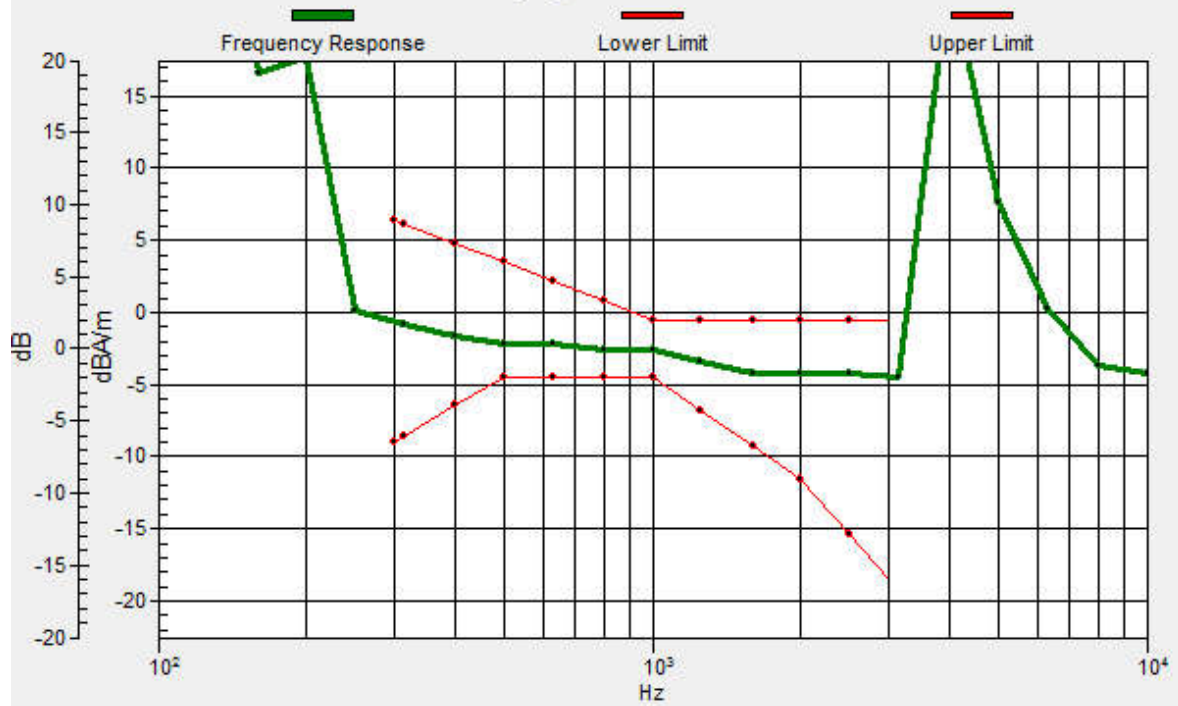
Location: 3.8, 8.7, 3.7 mm



0 dB = 134.1 = 42.55 dB

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

Loc: 3.7, 8.9, 3.7 mm Diff: 1.94dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 14 10M QPSK 1RB0 23330CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 793 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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

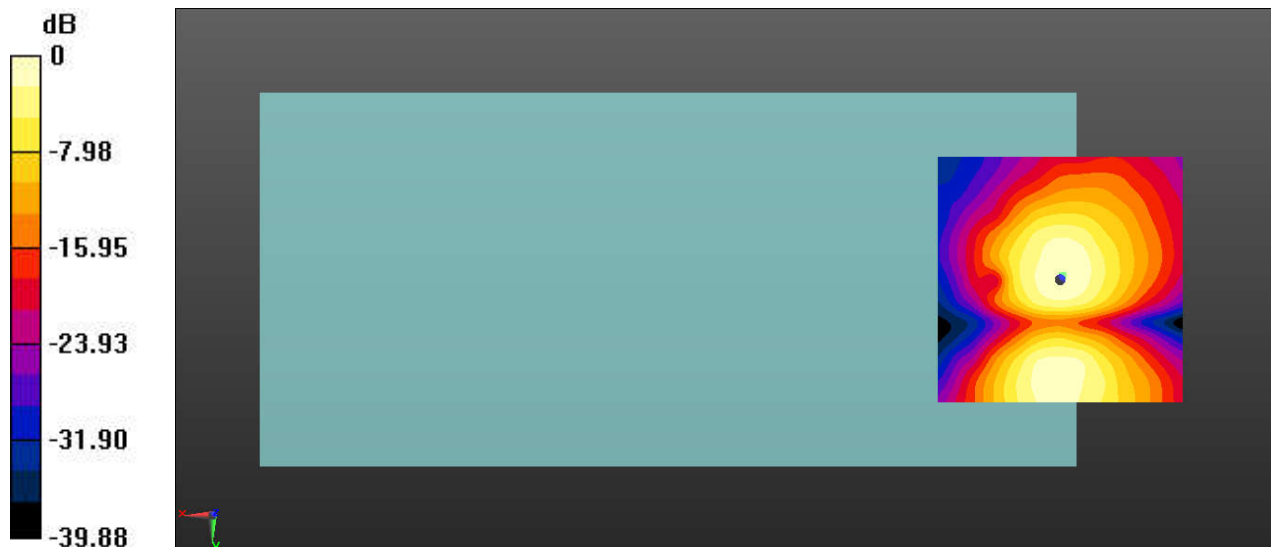
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.08 dB

ABM1 comp = -11.75 dBA/m

BWC Factor = 0.04 dB

Location: -0.4, -0.8, 3.7 mm



0 dB = 63.69 = 36.08 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 17 10M QPSK 1RB0 23790CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

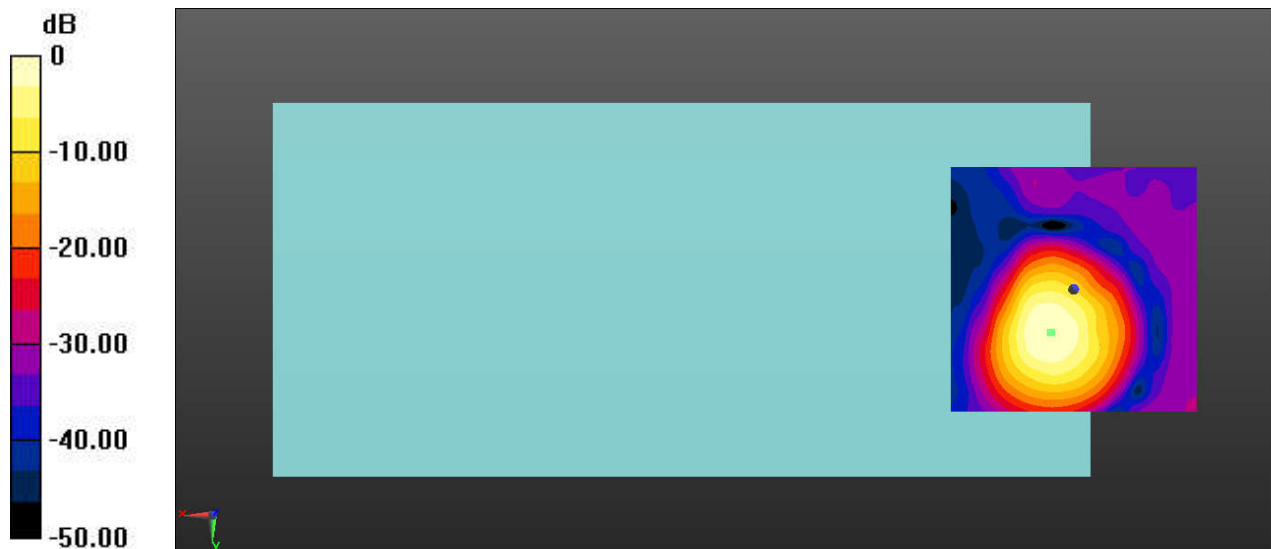
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.11 dB

ABM1 comp = -1.48 dBA/m

BWC Factor = 0.04 dB

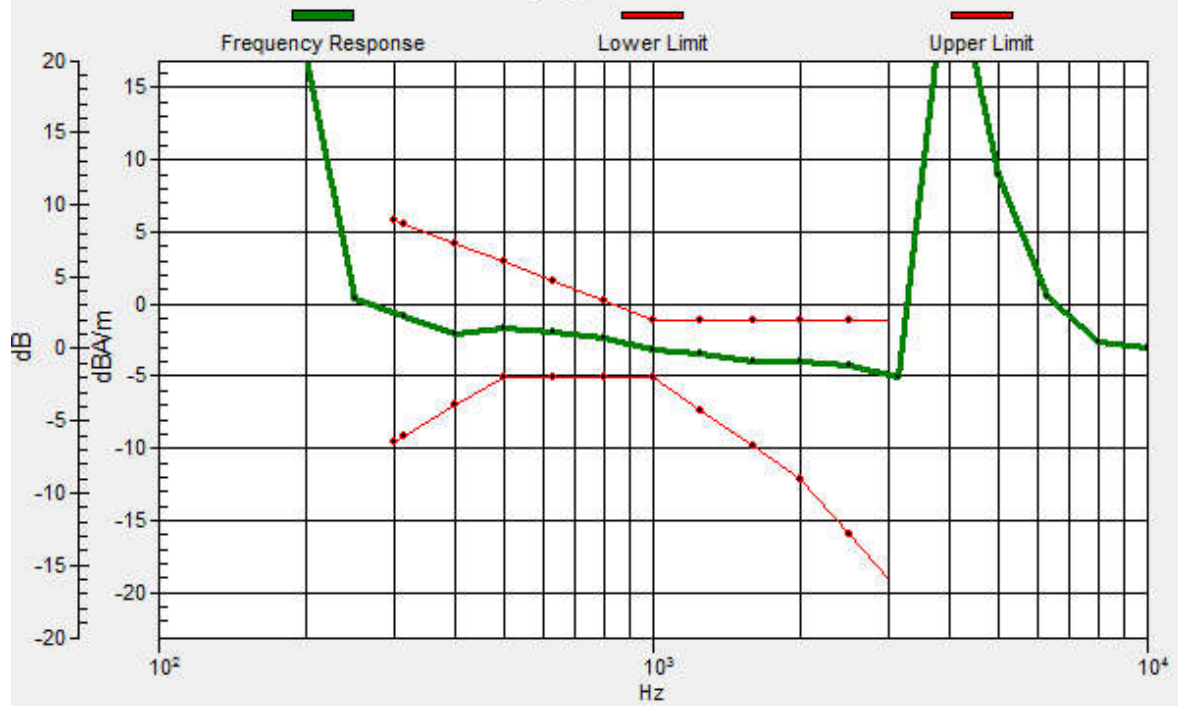
Location: 4.6, 8.7, 3.7 mm



0 dB = 143.0 = 43.11 dB

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

Loc: 4.7, 8.8, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 17 10M QPSK 1RB0 23790CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

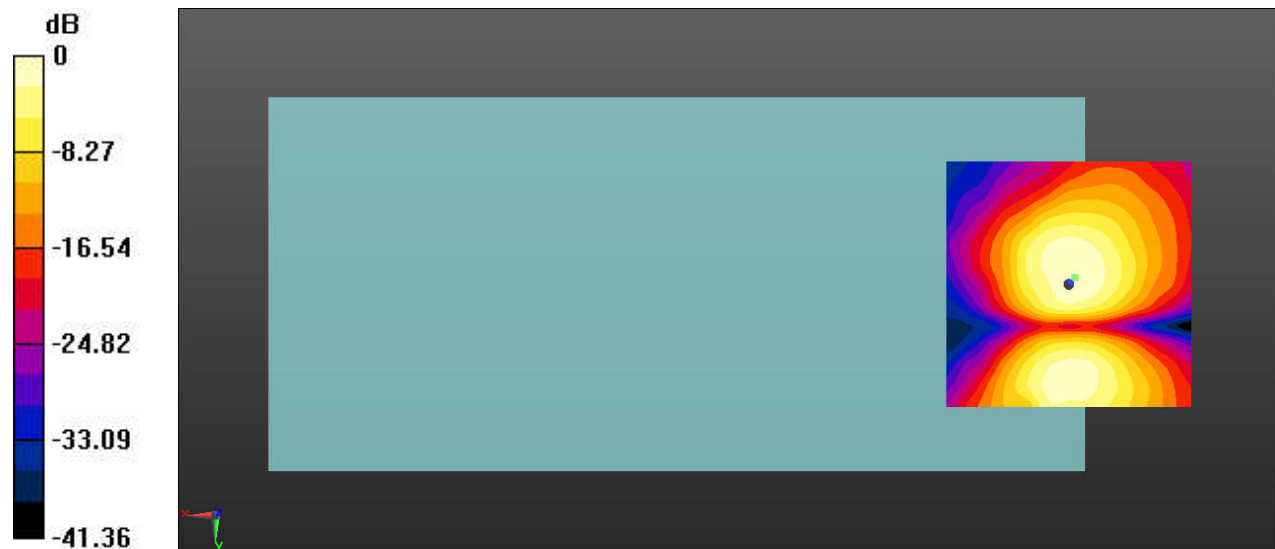
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 35.80 dB

ABM1 comp = -12.32 dBA/m

BWC Factor = 0.04 dB

Location: -1.2, -1.3, 3.7 mm



0 dB = 61.65 = 35.80 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 26 15M QPSK 1RB0 26865CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

Communication System: UID 0, LTE-FDD BW 15MHz (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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

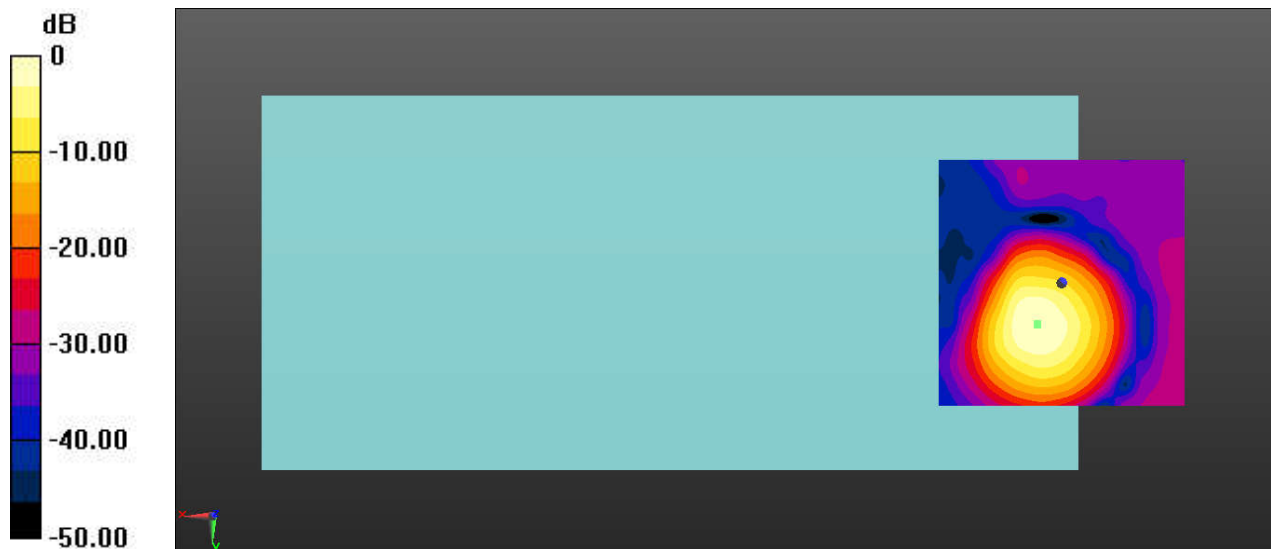
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.63 dB

ABM1 comp = -1.12 dBA/m

BWC Factor = 0.04 dB

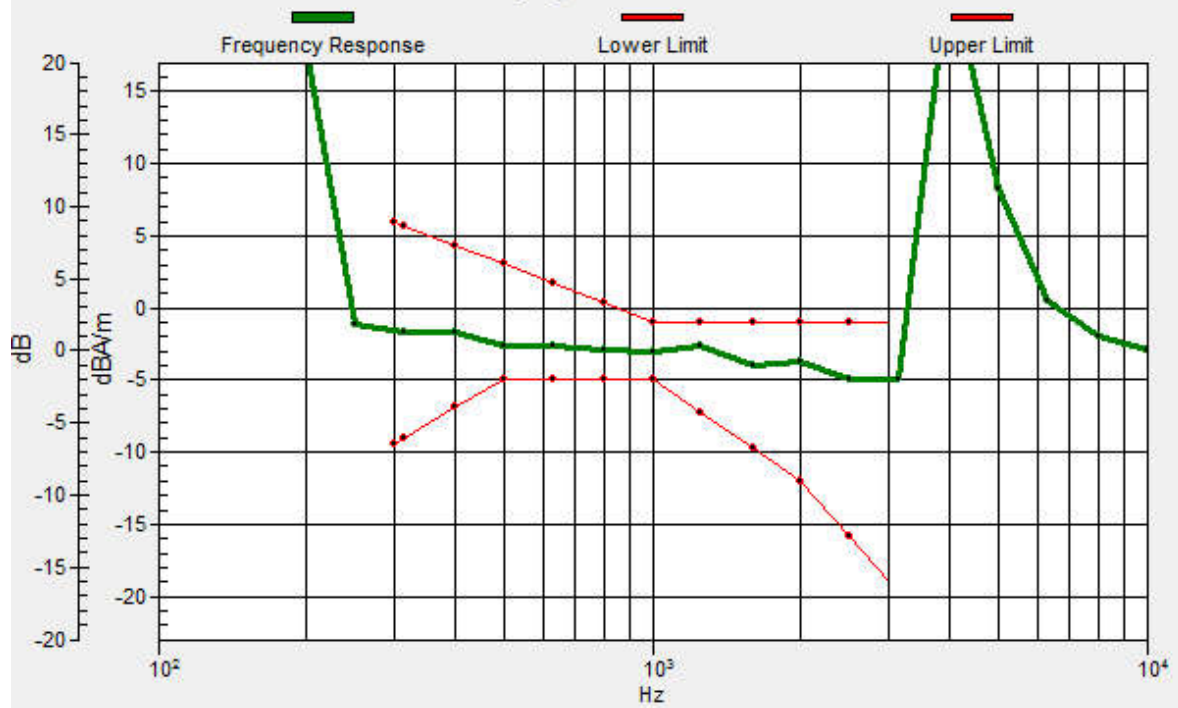
Location: 5, 8.3, 3.7 mm



0 dB = 135.3 = 42.63 dB

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

Loc: 4.9, 8.5, 3.7 mm Diff: 1.66dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 26 15M QPSK 1RB0 26865CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

Communication System: UID 0, LTE-FDD BW 15MHz (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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

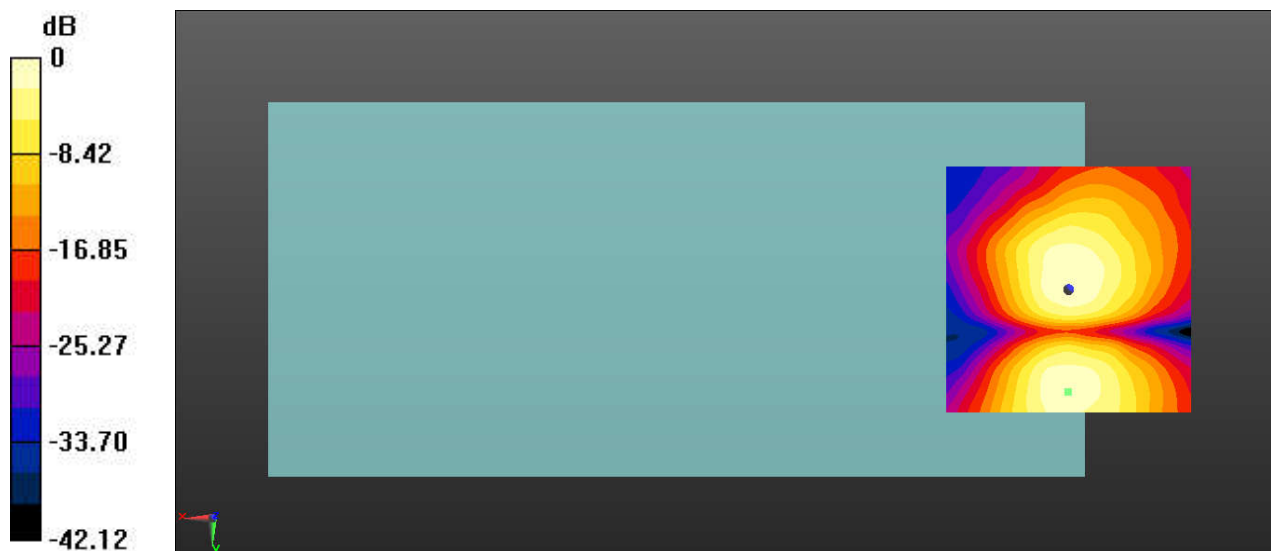
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 35.81 dB

ABM1 comp = -11.99 dBA/m

BWC Factor = 0.04 dB

Location: 0, 20.8, 3.7 mm



0 dB = 61.75 = 35.81 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 30 10M QPSK 1RB0 27710CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 2310 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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

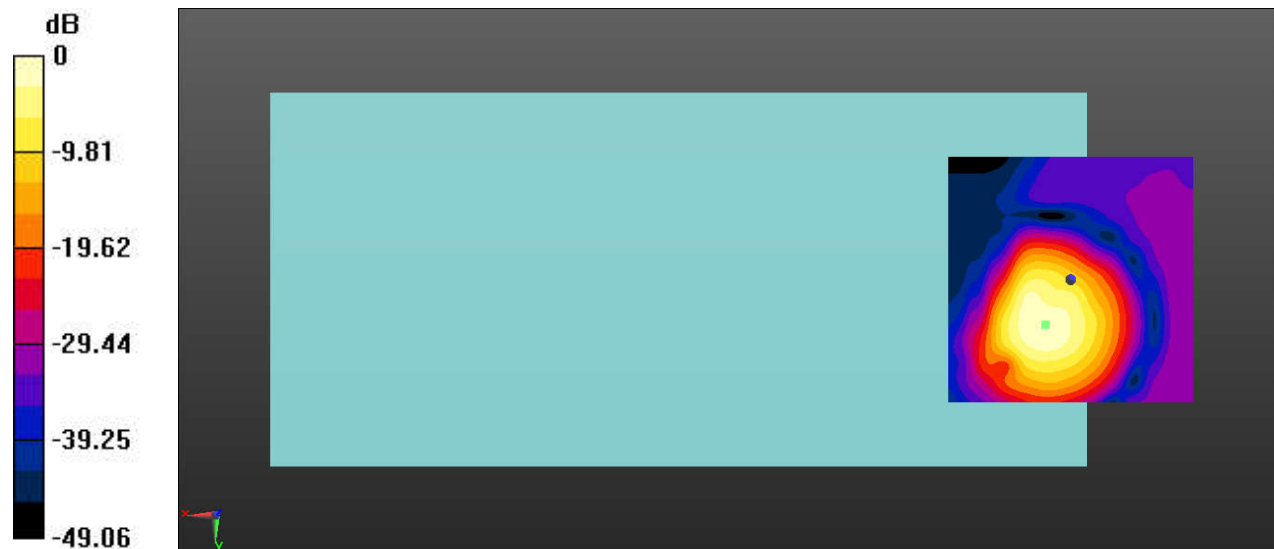
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.73 dB

ABM1 comp = -1.38 dBA/m

BWC Factor = 0.04 dB

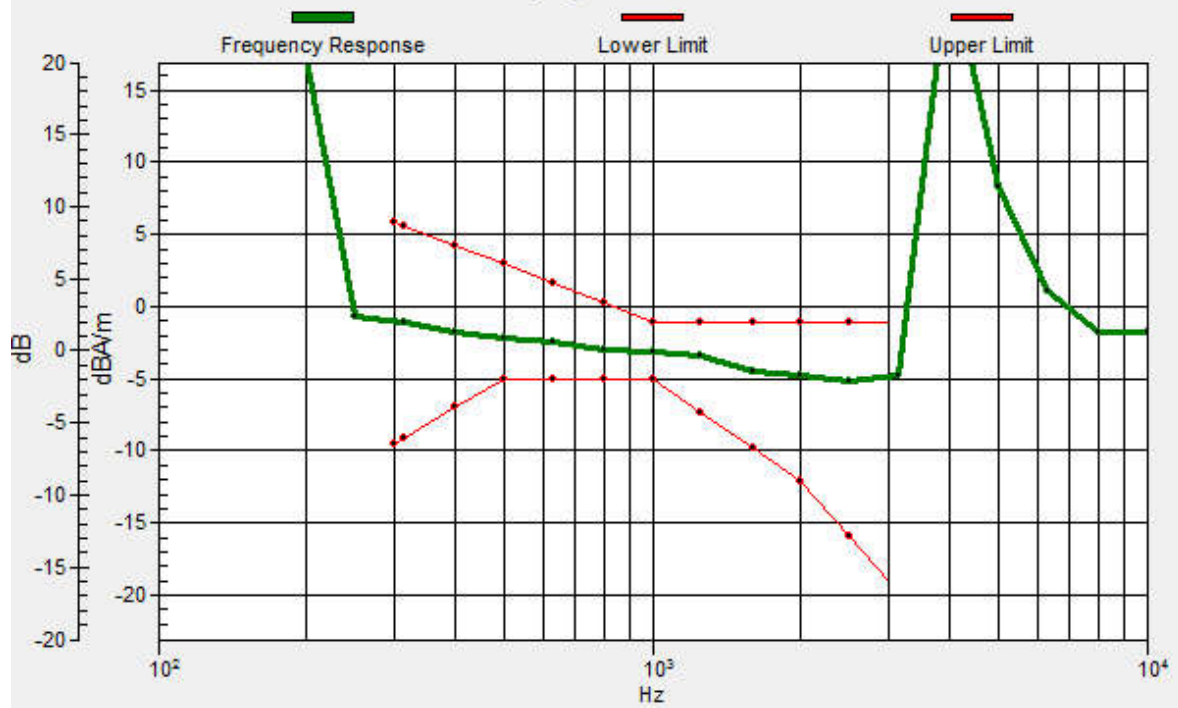
Location: 5, 9.2, 3.7 mm



0 dB = 136.9 = 42.73 dB

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

Loc: 5.1, 9.3, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 30 10M QPSK 1RB0 27710CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 2310 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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

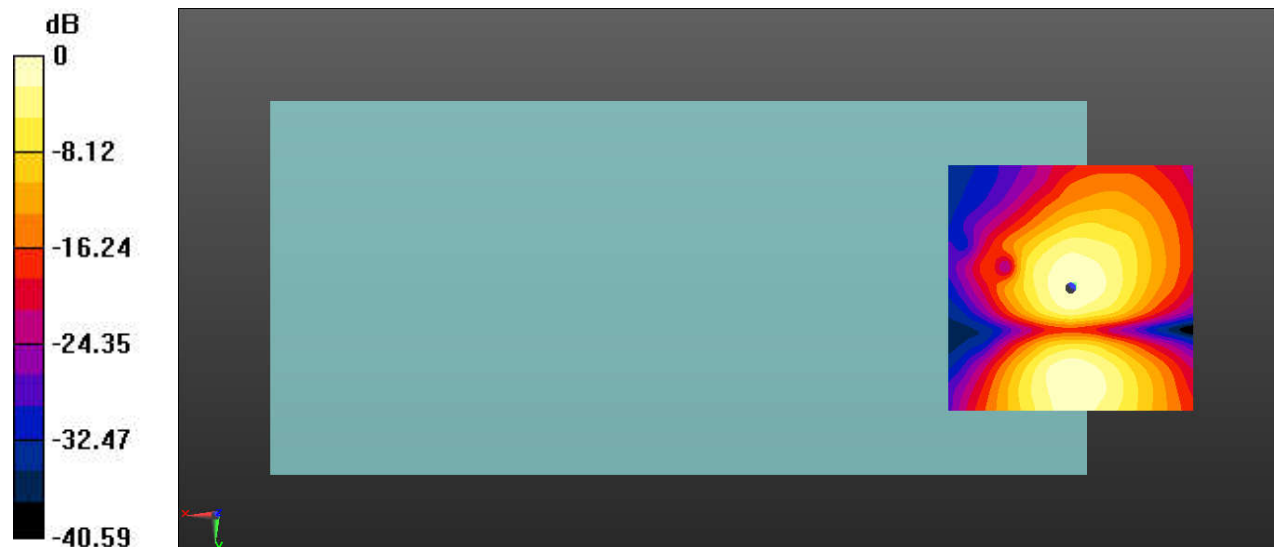
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 35.02 dB

ABM1 comp = -11.64 dBA/m

BWC Factor = 0.04 dB

Location: -0.4, -0.4, 3.7 mm



0 dB = 56.38 = 35.02 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 66 20M QPSK 1RB0 132322CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

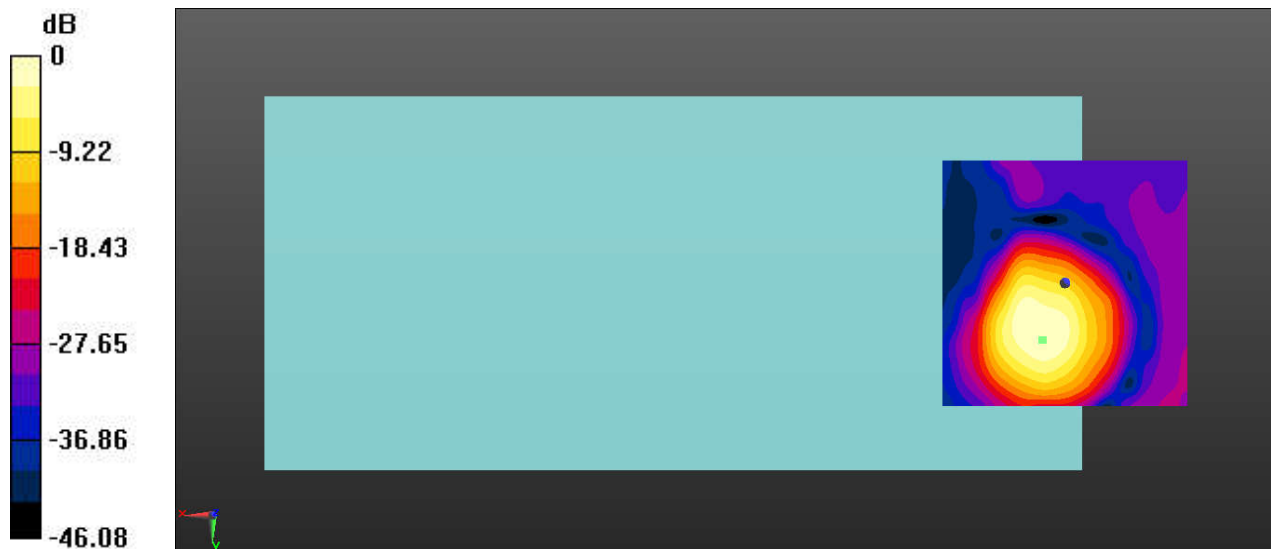
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 41.05 dB

ABM1 comp = -2.28 dBA/m

BWC Factor = 0.03 dB

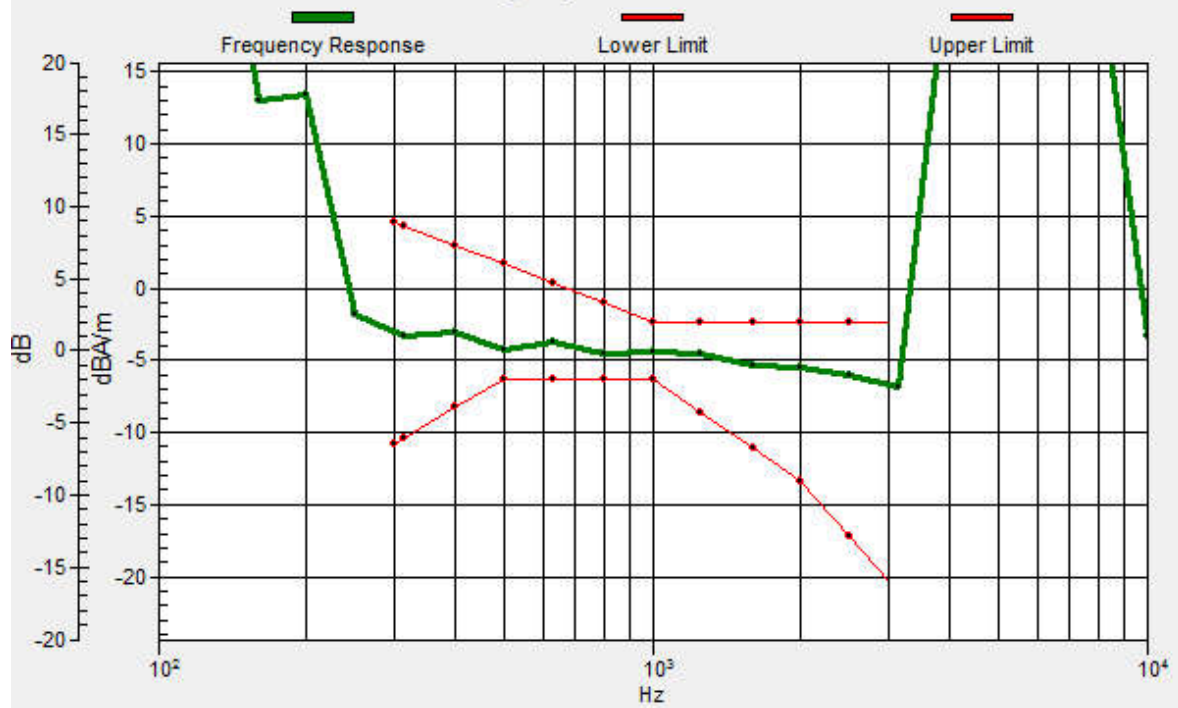
Location: 4.6, 11.7, 3.7 mm



0 dB = 112.9 = 41.05 dB

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

Loc: 4.4, 11.6, 3.7 mm Diff: 1.82dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 66 20M QPSK 1RB0 132322CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

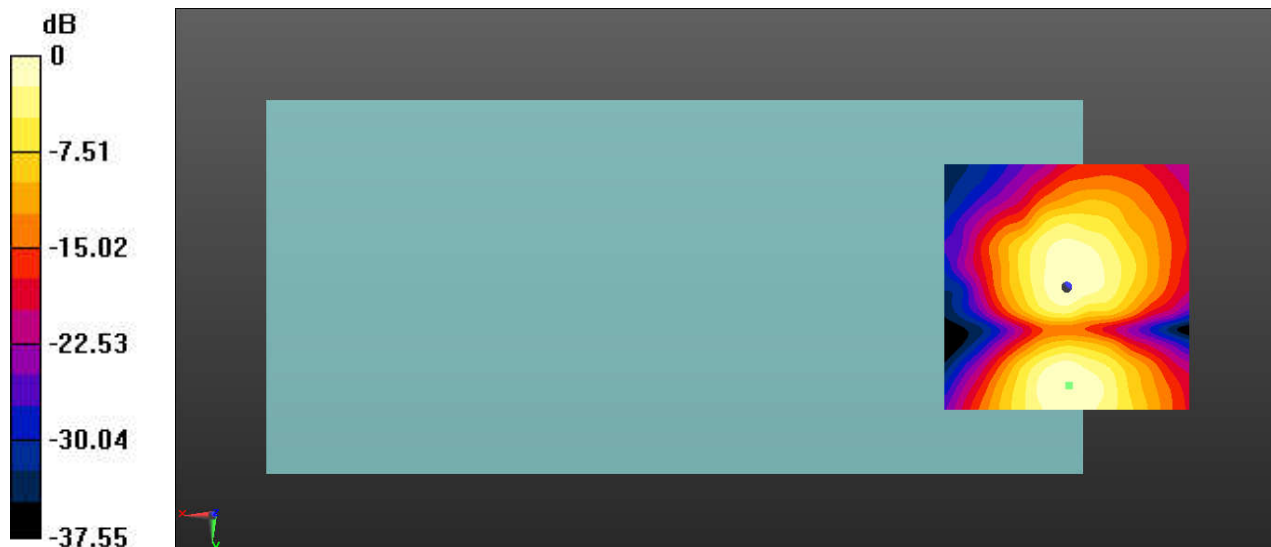
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.74 dB

ABM1 comp = -12.20 dBA/m

BWC Factor = 0.03 dB

Location: -0.4, 20, 3.7 mm



0 dB = 54.59 = 34.74 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 71 20M QPSK 1RB0 133297CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

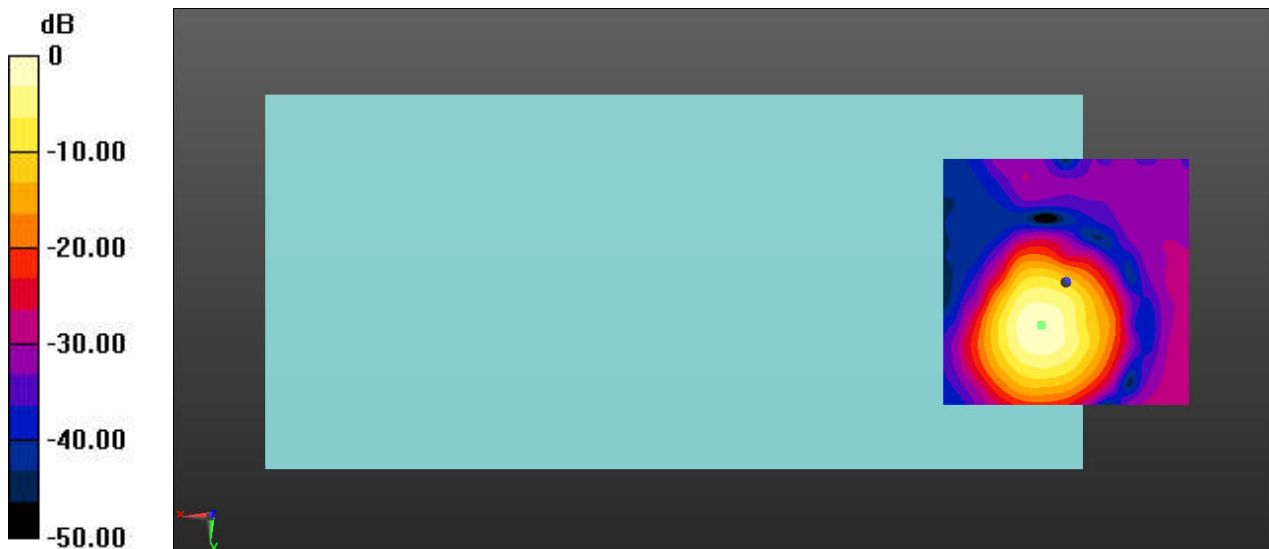
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 42.81 dB

ABM1 comp = -1.15 dBA/m

BWC Factor = 0.03 dB

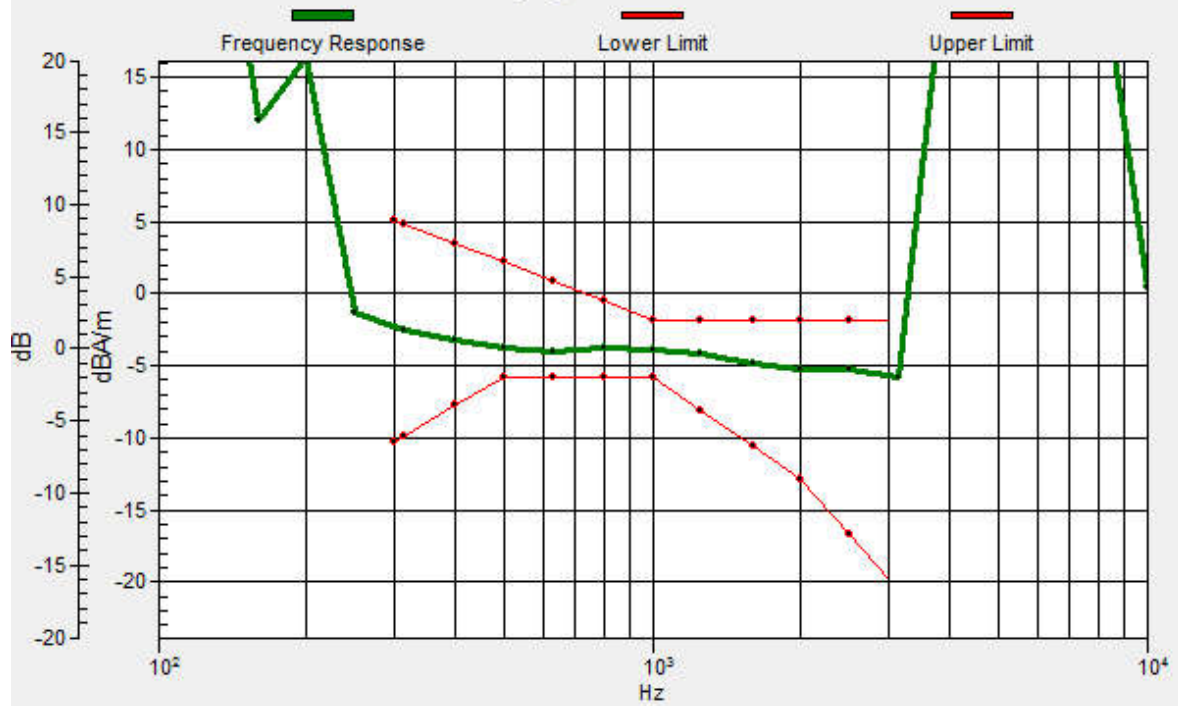
Location: 5, 8.7, 3.7 mm



0 dB = 138.2 = 42.81 dB

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

Loc: 4.8, 8.9, 3.7 mm Diff: 1.85dB



Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 71 20M QPSK 1RB0 133297CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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

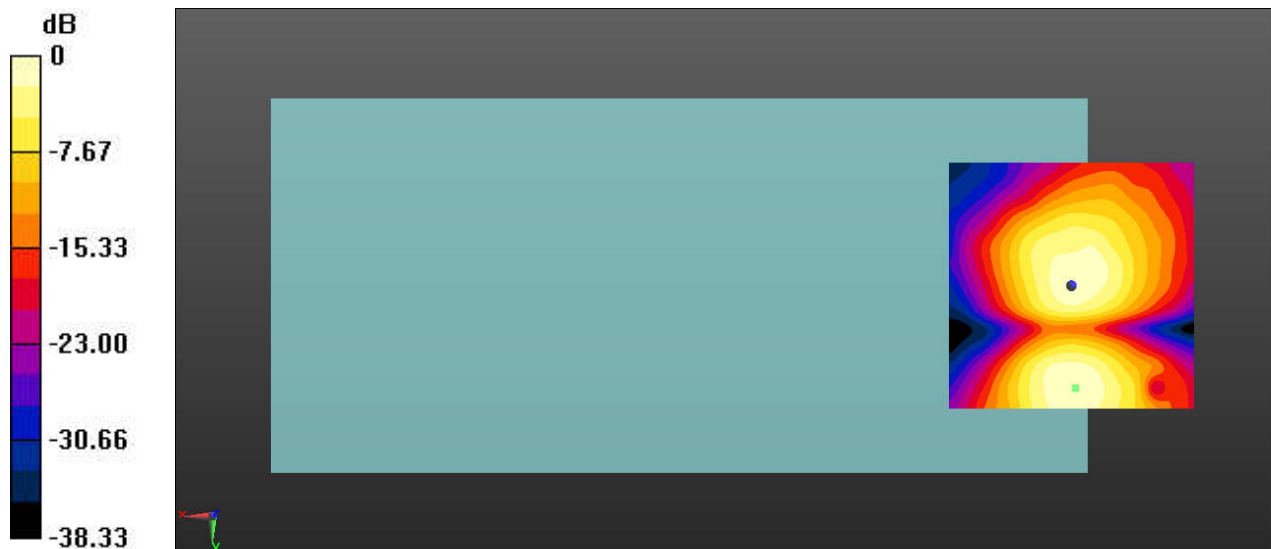
(x,y,z) (121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 35.66 dB

ABM1 comp = -12.77 dBA/m

BWC Factor = 0.03 dB

Location: -0.8, 20.8, 3.7 mm



0 dB = 60.67 = 35.66 dB

Test Laboratory: SGS-SAR Lab

U653DS HAC-T-Coil-LTE Band 48 20M QPSK 1RB0 55830CH

DUT: U653DS; Type: Smart Phone; Serial: 860284060010930

Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 3609 MHz;Duty Cycle: 1:8.33681

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: 2023-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1324; Calibrated: 2022-10-17
- 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)

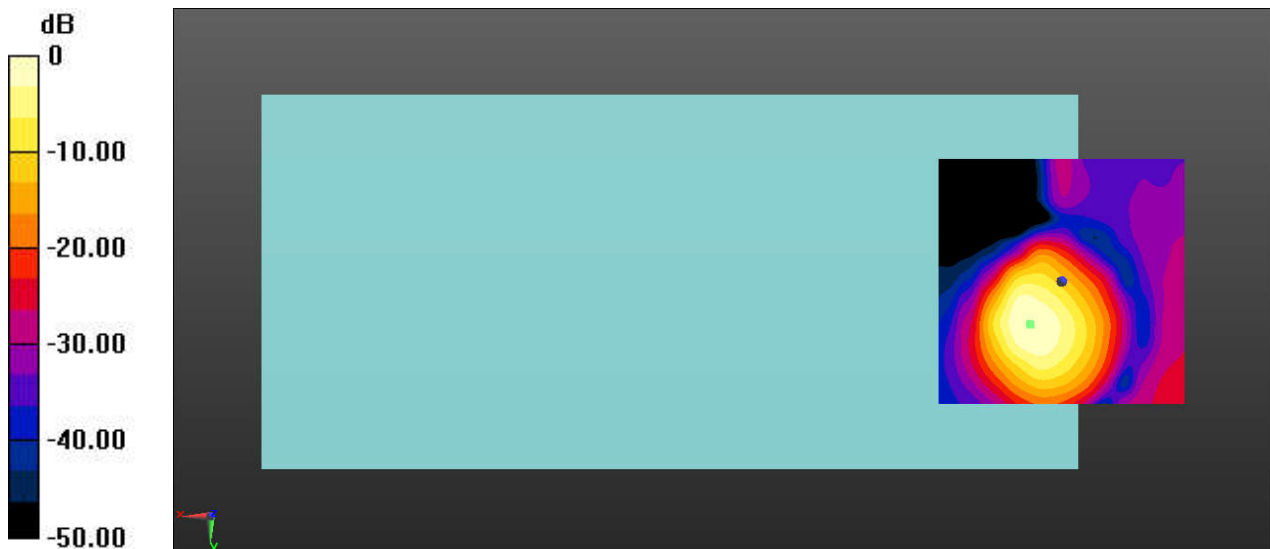
(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.63 dB

ABM1 comp = -1.63 dBA/m

BWC Factor = 0.03 dB

Location: 6.3, 8.7, 3.7 mm



0 dB = 48.03 = 33.63 dB

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

Loc: 6.4, 8.6, 3.7 mm Diff: 1.56dB

