Appendix A.2

Detailed Test Results

1. GSM
GSM850 for T-coil
GSM1900 for T-coil
2. WCDMA
WCDMA Band II for T-coil
WCDMA Band IV for T-coil
WCDMA Band V T-coil
3. LTE
LTE Band 12 for T-coil
LTE Band 13 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
4. WIFI
WIFI 2.4G for T-coil

Date: 2019-11-16

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-GSM850 GSM Voice 190CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

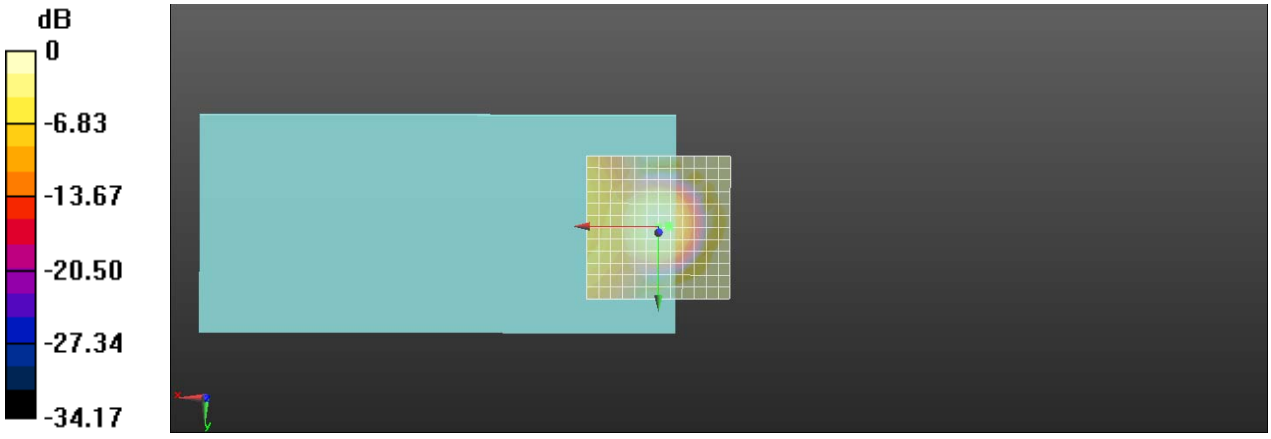
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

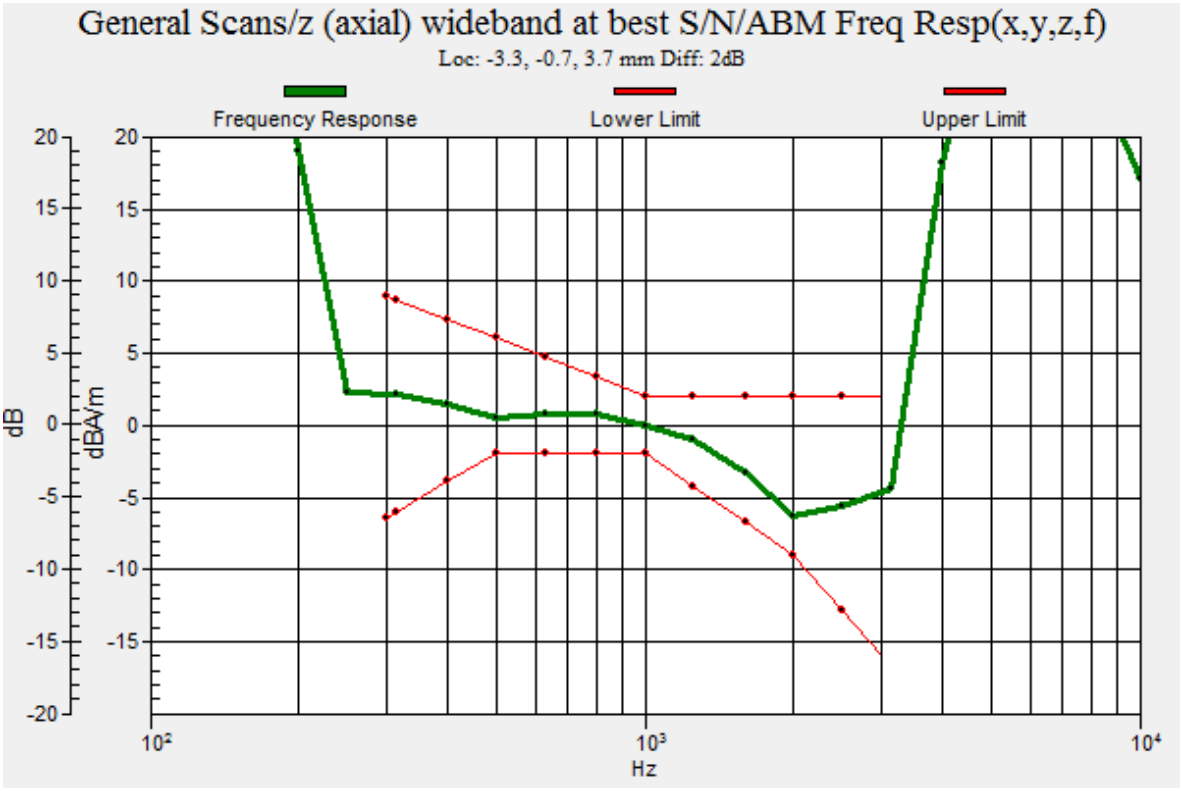
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 25.74 dB
ABM1 comp = -1.07 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -3.3, -0.7, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4
Hz

Date: 2019-11-16

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-GSM850 GSM Voice 190CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

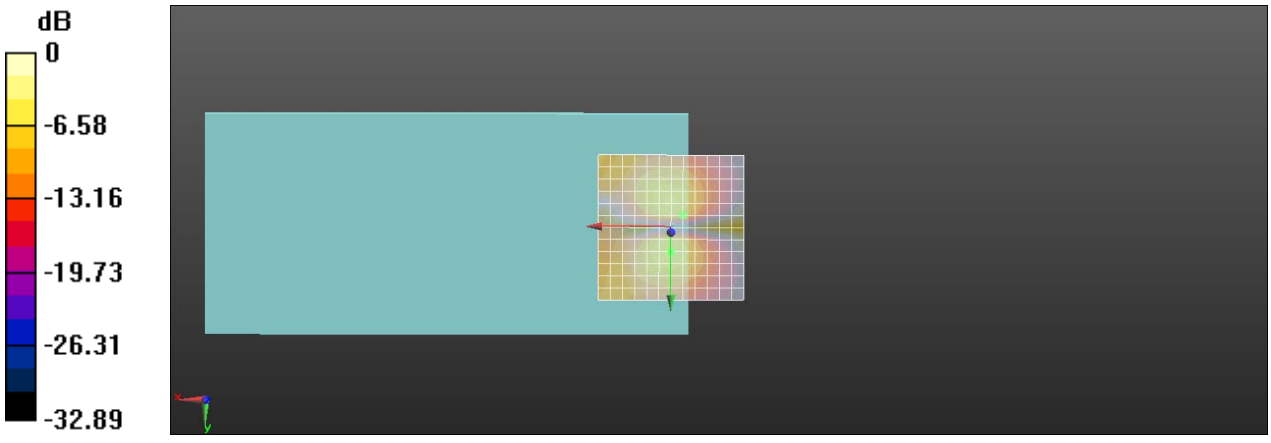
Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz;Duty Cycle: 1:8.30042

Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 23.83 dB
ABM1 comp = -11.85 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-26

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-GSM850 EGPRS 4TS 190CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.0797

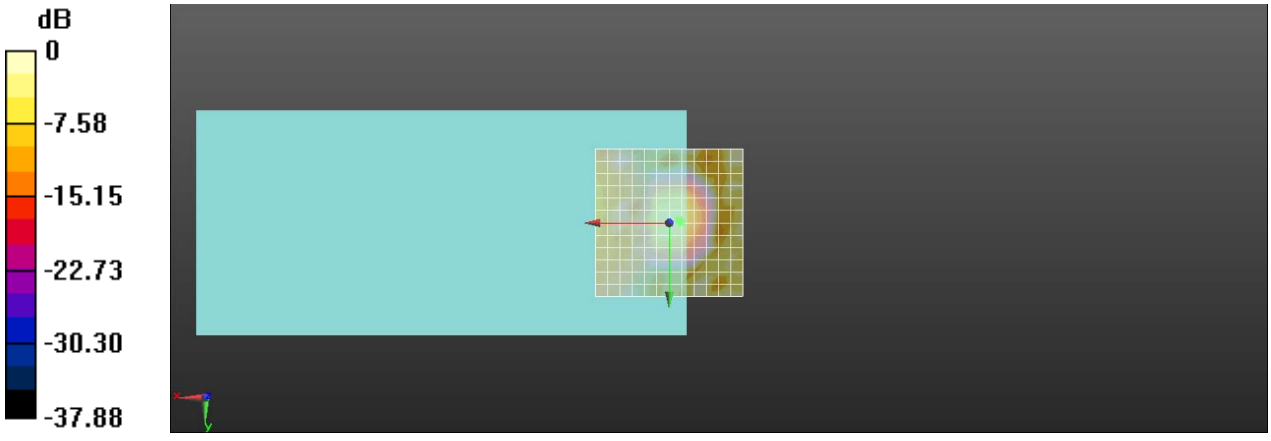
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

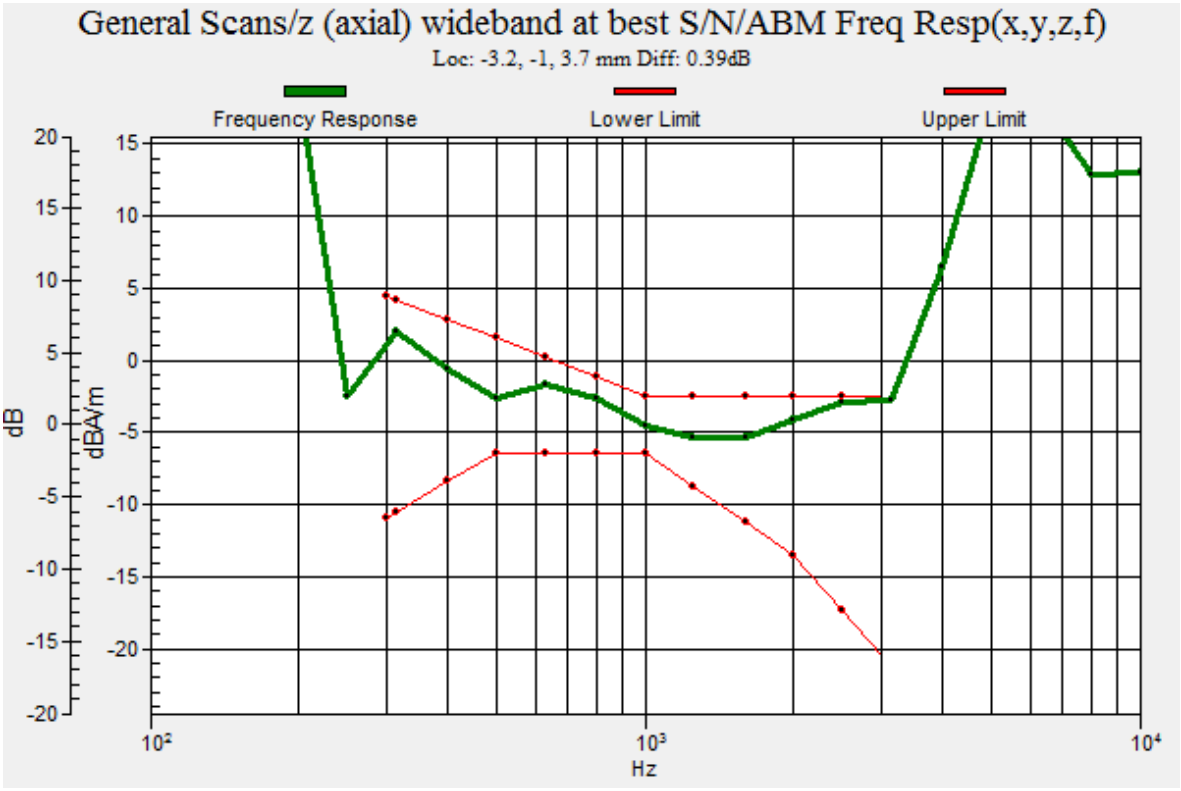
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

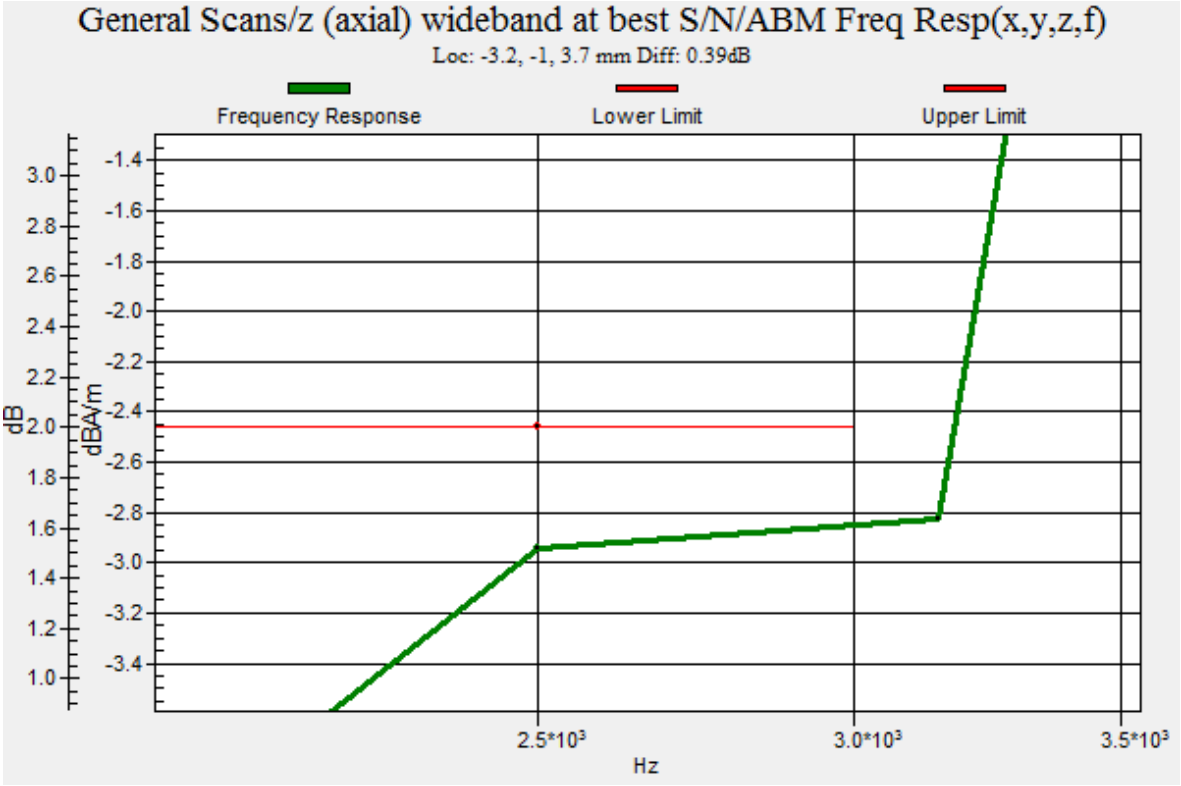
T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm
ABM1/ABM2 = 25.06 dB
ABM1 comp = -4.06 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -3.2, -1, 3.7 mm Diff: 0.39dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -3.2, -1, 3.7 mm Diff: 0.39dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

Date: 2019-11-26

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-GSM850 EGPRS 4TS 190CH1

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

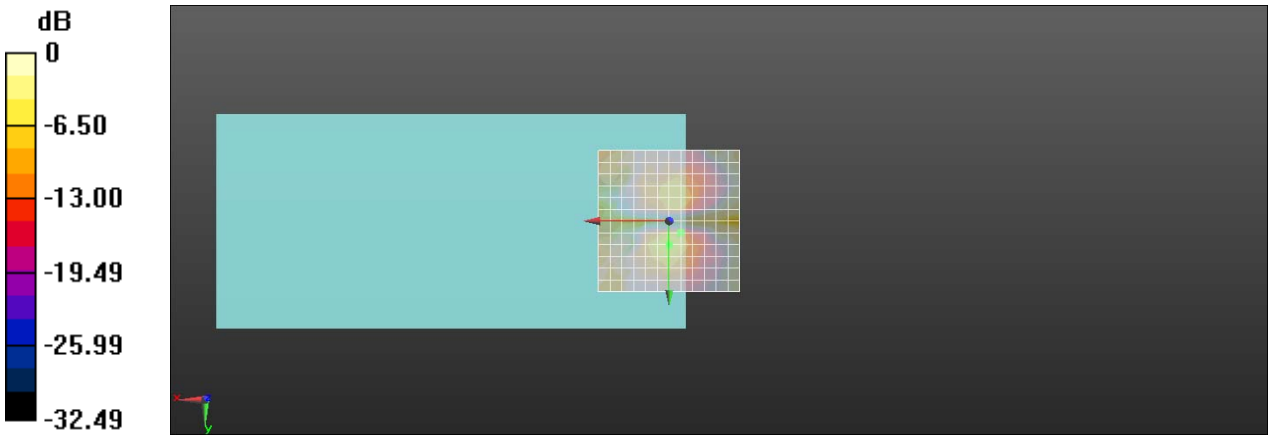
Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 836.6 MHz;Duty Cycle: 1:2.0797

Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 23.72 dB
ABM1 comp = -13.63 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, 4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-16

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-GSM1900 GSM Voice 661CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110006643

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

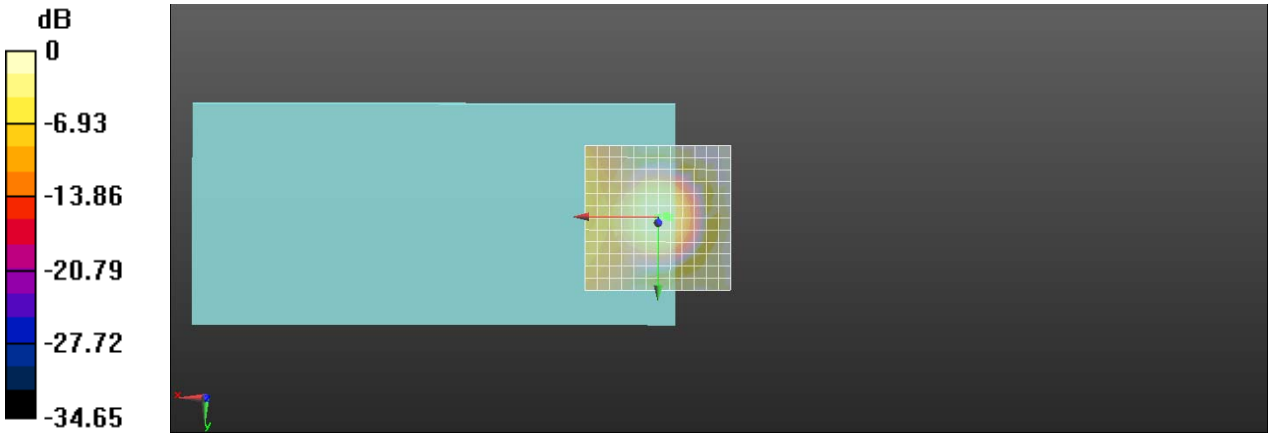
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

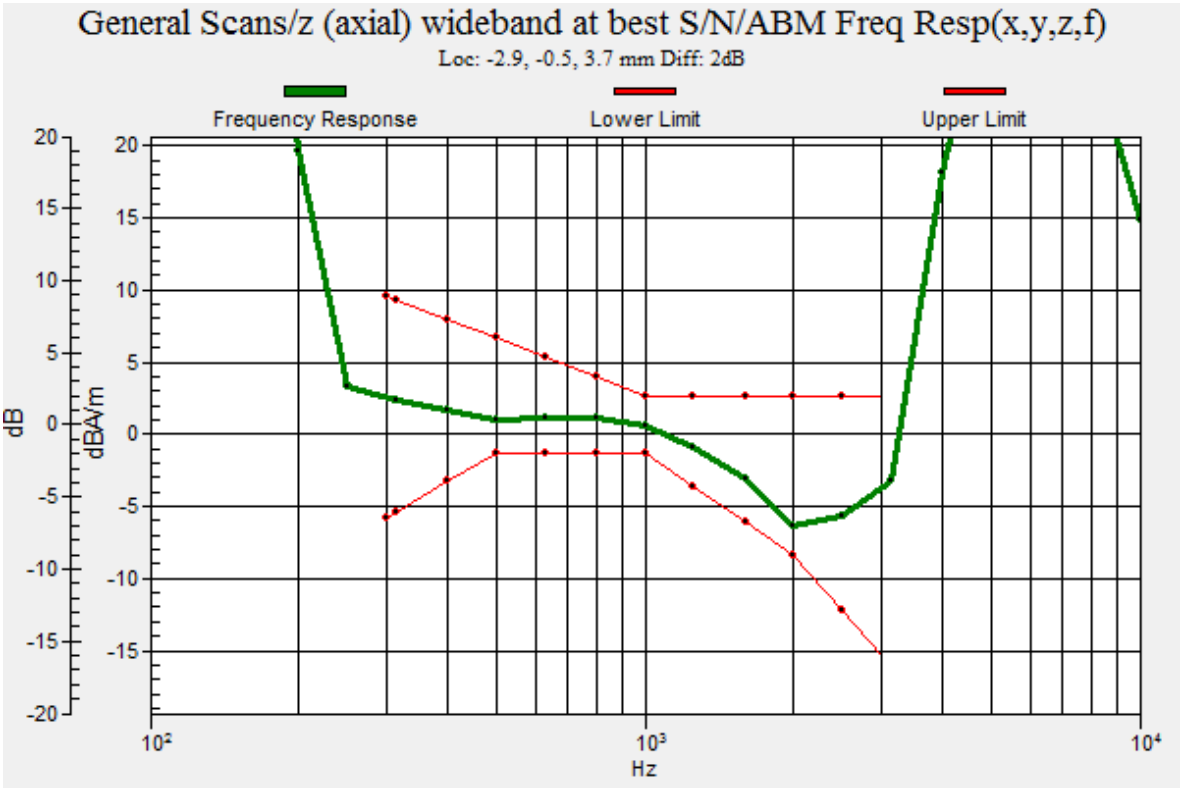
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 26.51 dB
ABM1 comp = -0.80 dBA/m
BWC Factor = 0.19 dB
Location: -4.2, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -2.9, -0.5, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4
Hz

Date: 2019-11-16

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-GSM1900 GSM Voice 661CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110006643

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

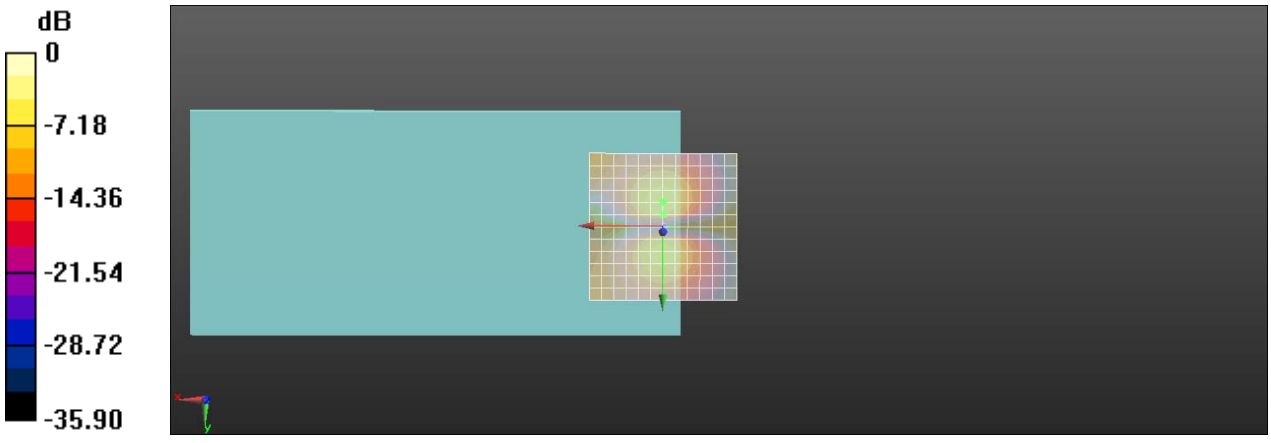
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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

ABM1/ABM2 = 24.46 dB
ABM1 comp = -8.89 dBA/m
BWC Factor = 0.19 dB
Location: 0, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-26

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-GSM1900 EGPRS 4TS 661CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 1880 MHz;Duty Cycle: 1:2.0797

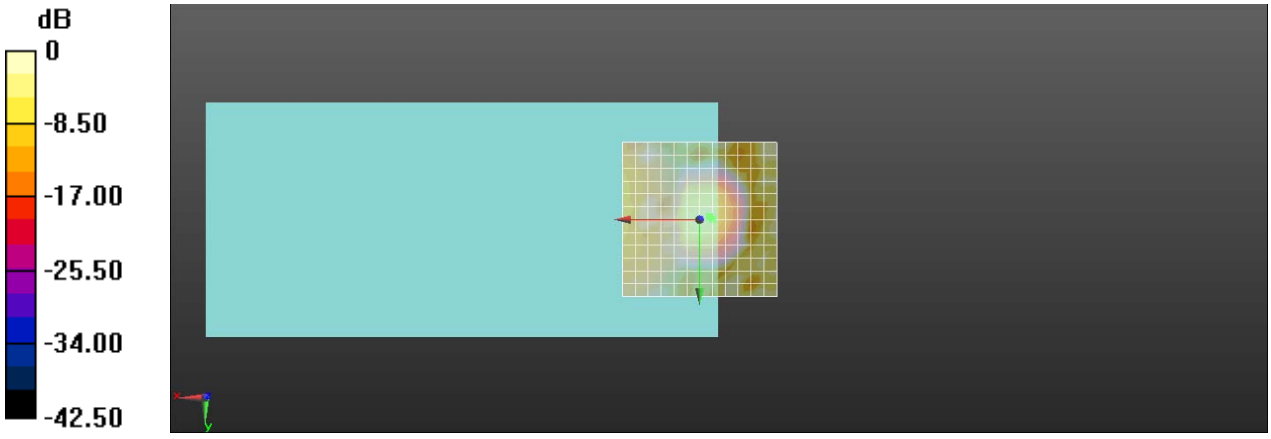
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

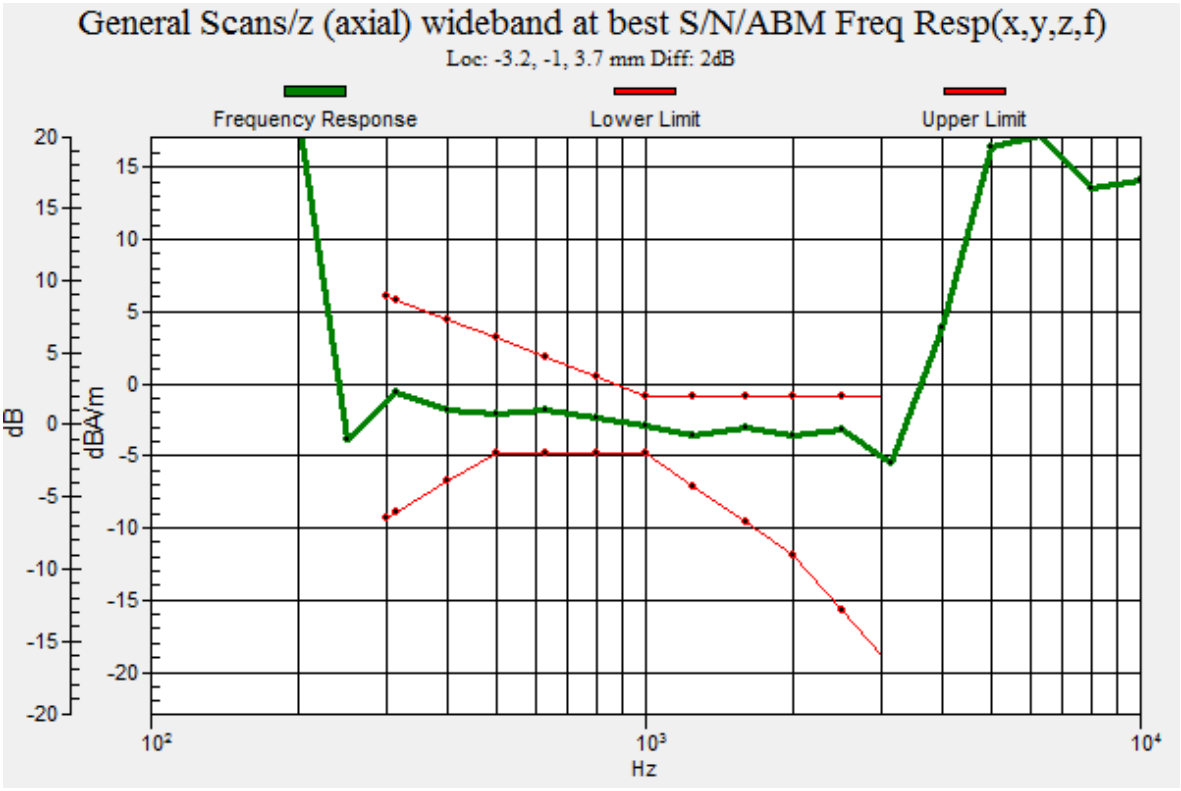
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 26.14 dB
ABM1 comp = -3.48 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, 4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -3.2, -1, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

Date: 2019-11-26

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-GSM1900 EGPRS 4TS 661CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

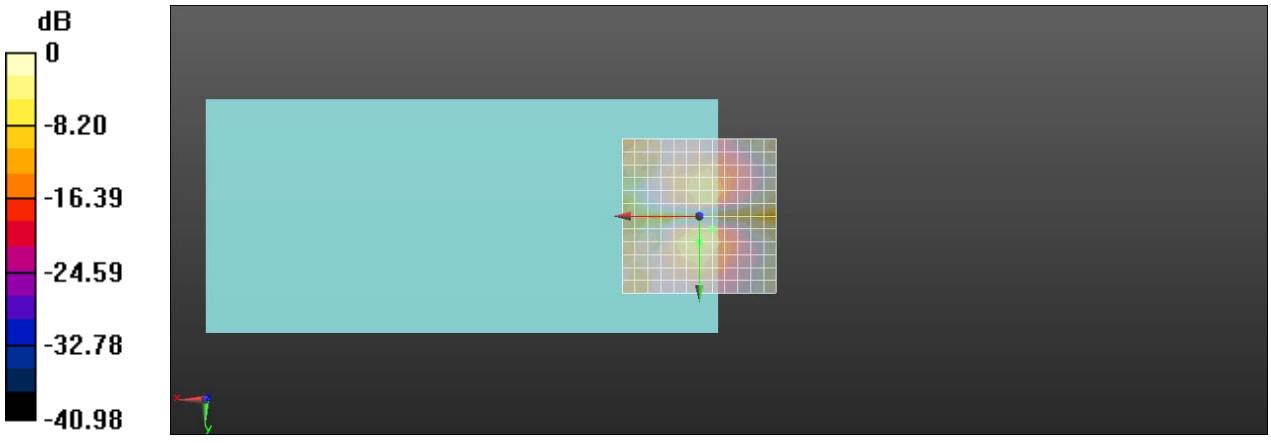
Communication System: UID 0, GPRS/EGPRS Mode(4up) Communication System (0); Frequency: 1880 MHz;Duty Cycle: 1:2.0797

Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 23.74 dB
ABM1 comp = -10.44 dBA/m
BWC Factor = 0.16 dB
Location: 0, -12.5, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-16

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band II AMR Voice 9400CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

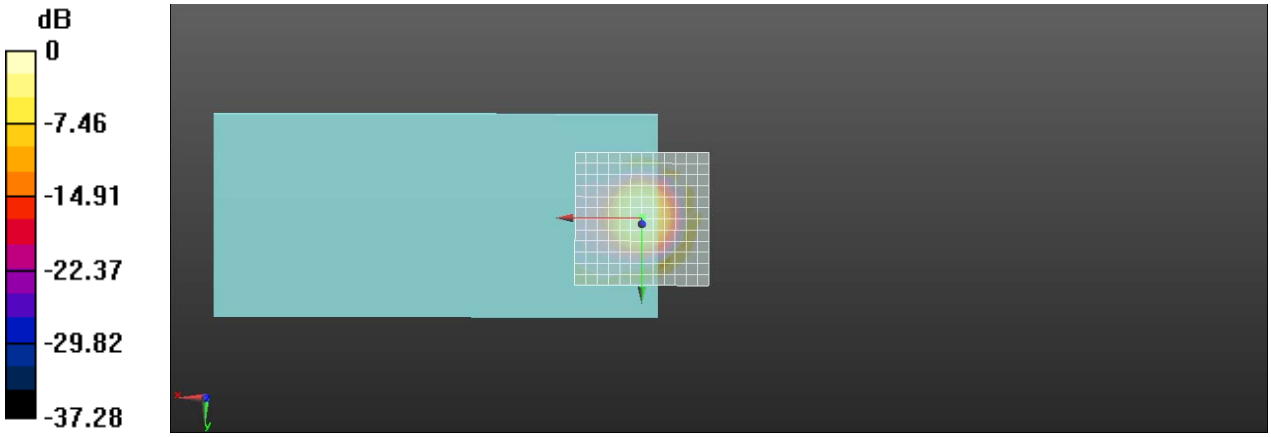
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

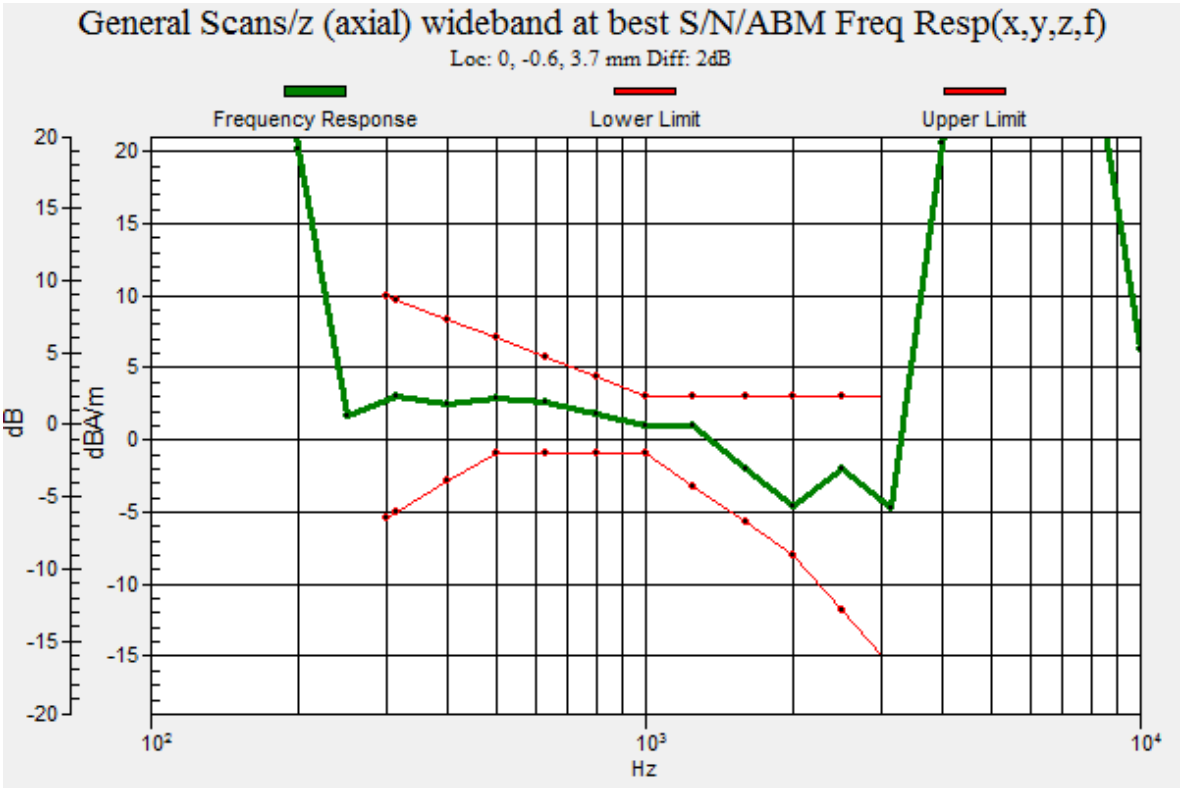
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 31.23 dB
ABM1 comp = 1.23 dBA/m
BWC Factor = 0.18 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.6, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4
Hz

Date: 2019-11-16

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band II AMR Voice 9400CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

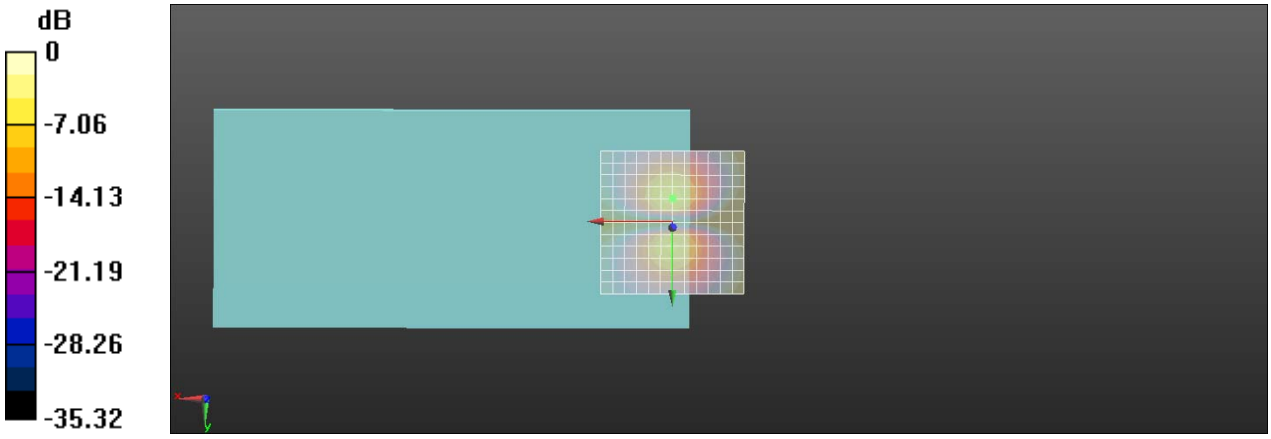
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 29.82 dB
ABM1 comp = -6.78 dBA/m
BWC Factor = 0.18 dB
Location: 0, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-25

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band II HSPA 9400CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

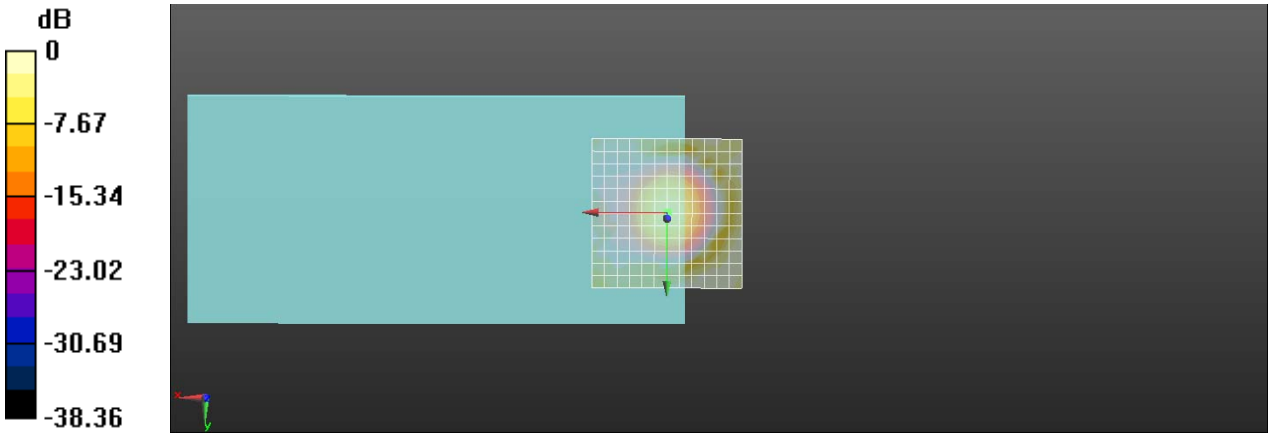
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

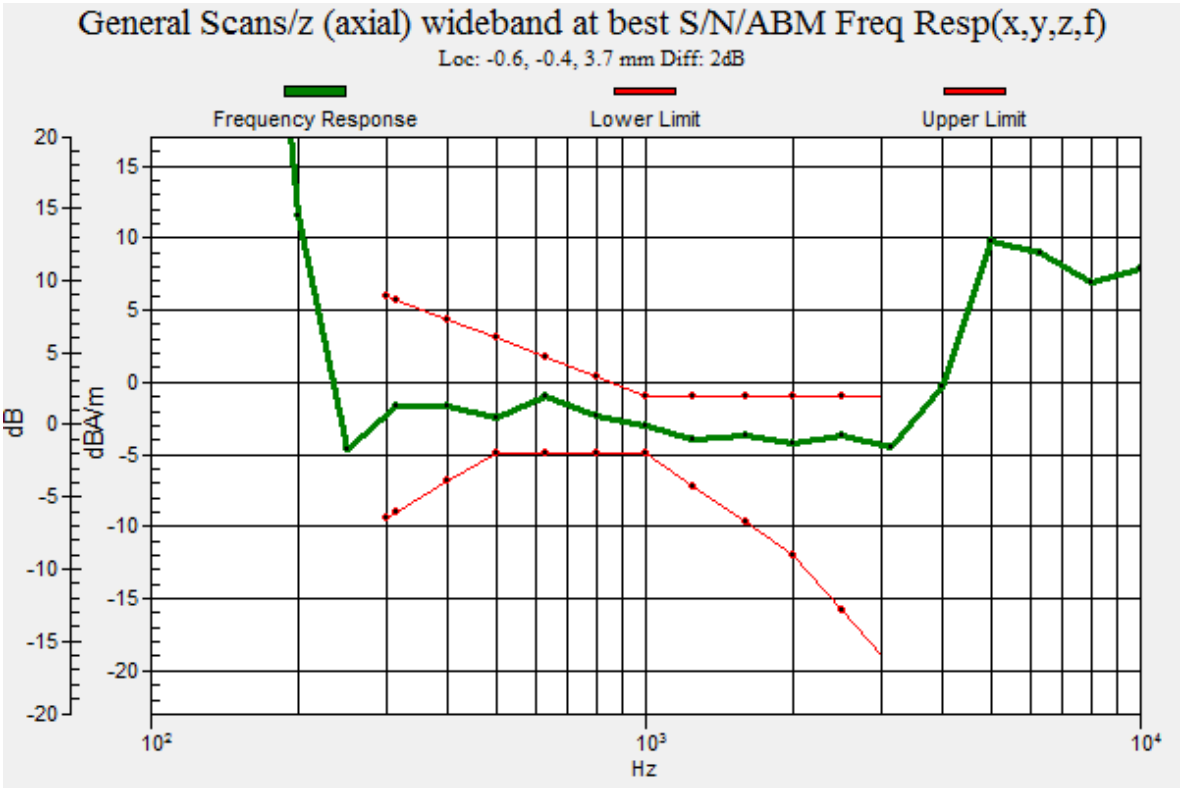
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 29.93 dB
ABM1 comp = -1.12 dBA/m
BWC Factor = 0.16 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -0.6, -0.4, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4

Date: 2019-11-25

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band II HSPA 9400CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

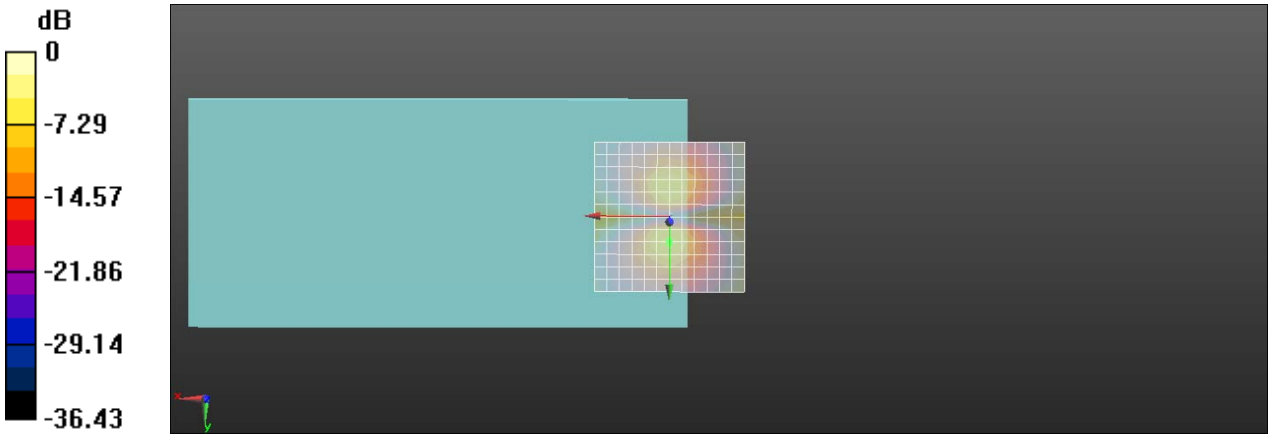
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 28.58 dB
ABM1 comp = -8.62 dBA/m
BWC Factor = 0.16 dB
Location: 0, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-16

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band IV AMR Voice 1412CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

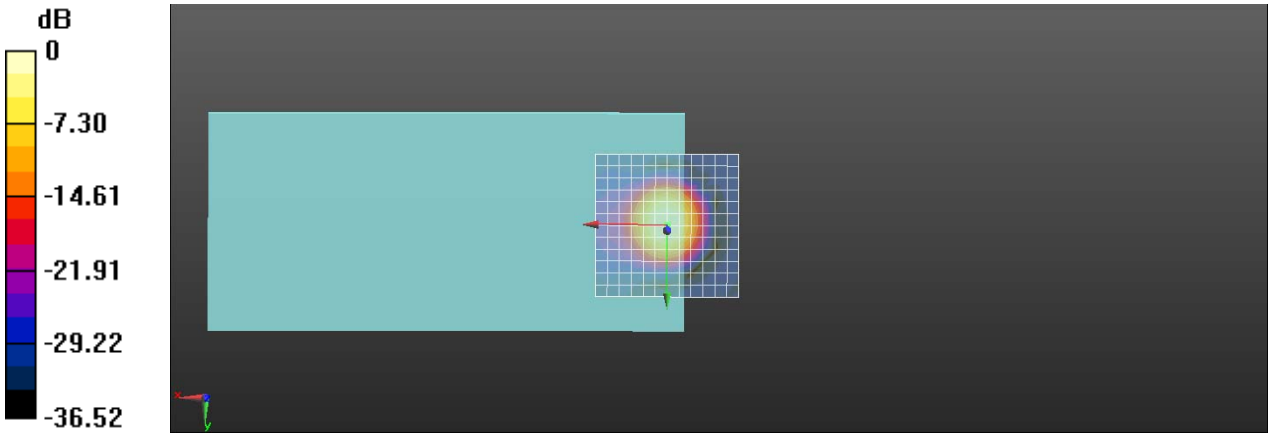
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

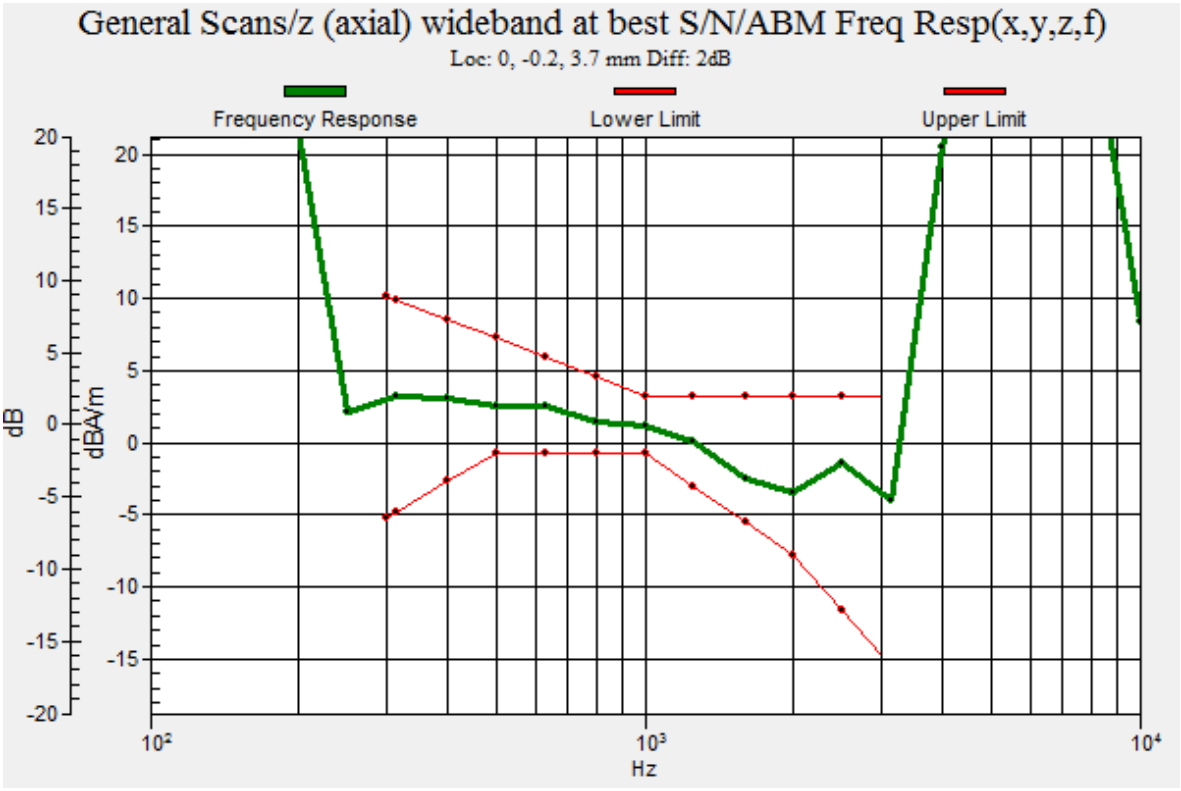
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 32.05 dB
ABM1 comp = 1.48 dBA/m
BWC Factor = 0.19 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.2, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10²
10³
10⁴

Date: 2019-11-16

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band IV AMR Voice 1412CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

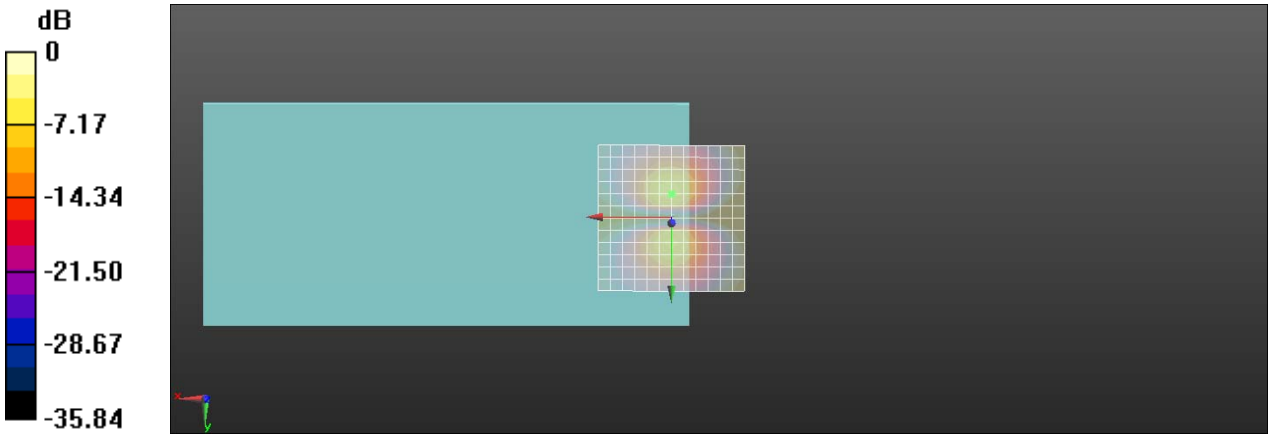
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 31.09 dB
ABM1 comp = -6.91 dBA/m
BWC Factor = 0.19 dB
Location: 0, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-25

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band IV HSPA 1412CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

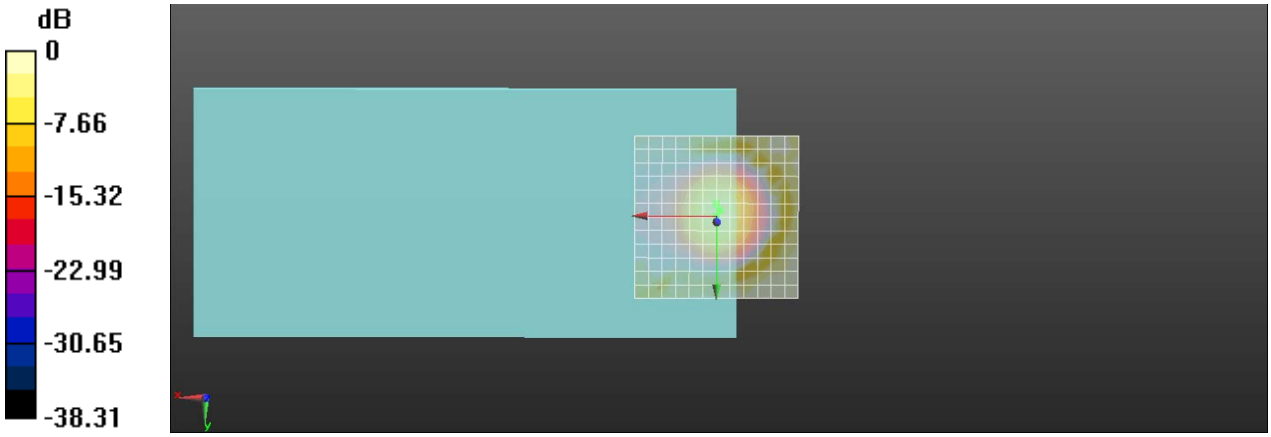
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

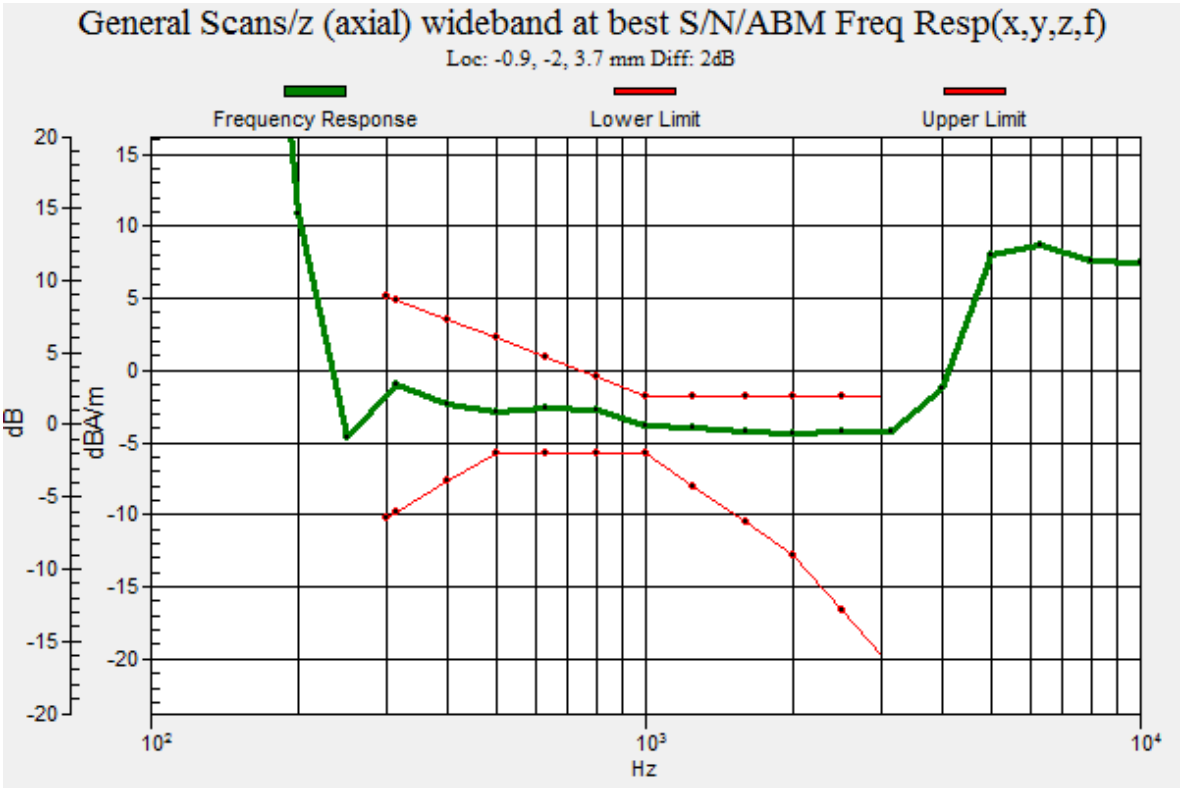
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 29.75 dB
ABM1 comp = -1.35 dBA/m
BWC Factor = 0.16 dB
Location: 0, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -0.9, -2, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4

Date: 2019-11-25

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band IV HSPA 1412CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

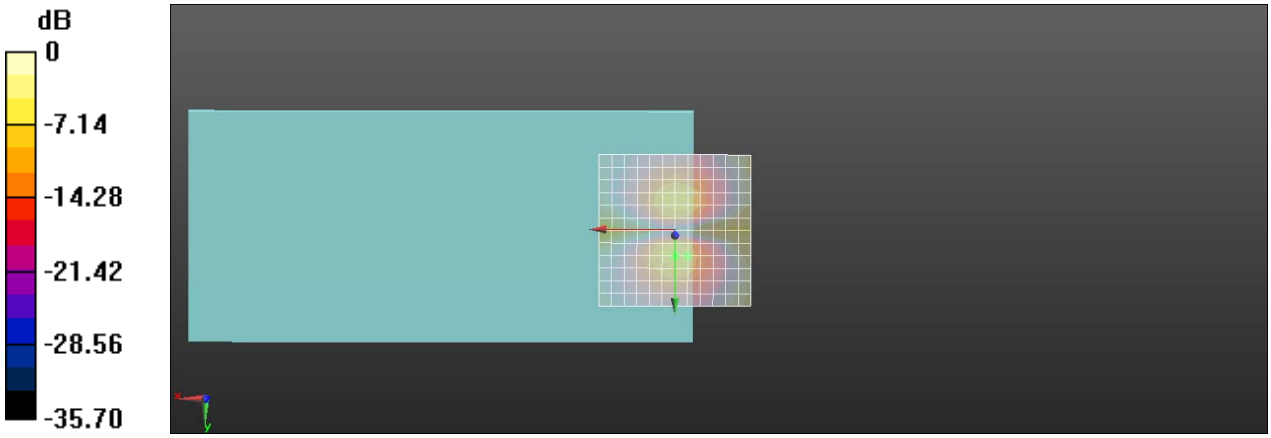
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 28.24 dB
ABM1 comp = -10.34 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-16

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band V AMR Voice 4182CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

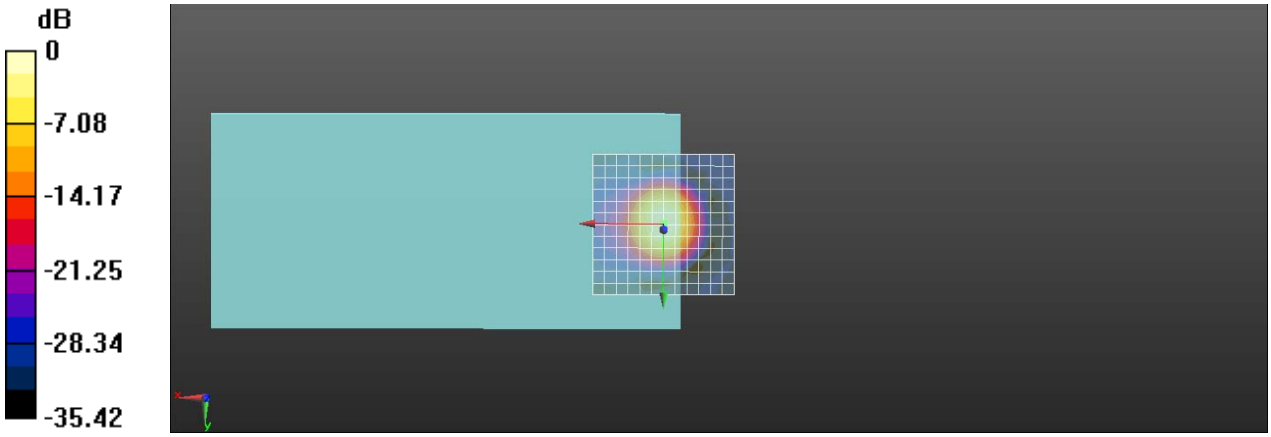
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

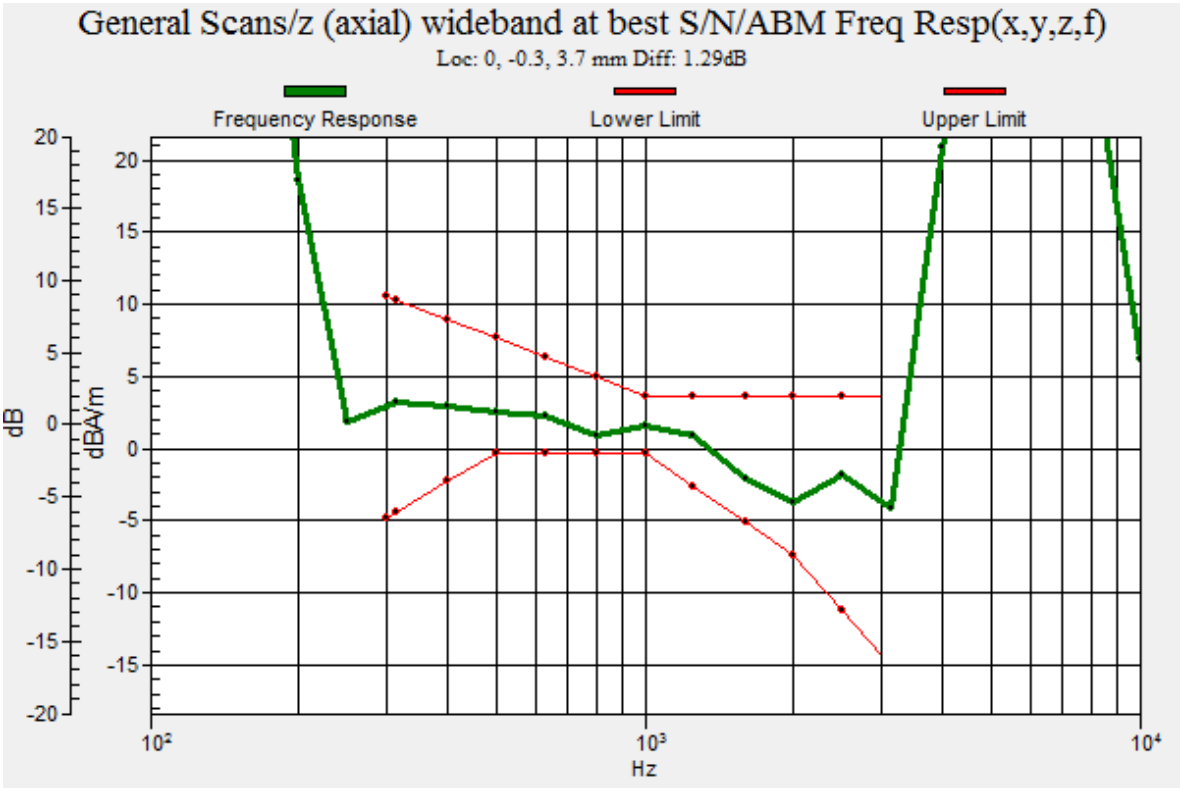
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 30.58 dB
ABM1 comp = 1.23 dBA/m
BWC Factor = 0.18 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0, -0.3, 3.7 mm Diff: 1.29dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4
Hz

Date: 2019-11-16

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band V AMR Voice 4182CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

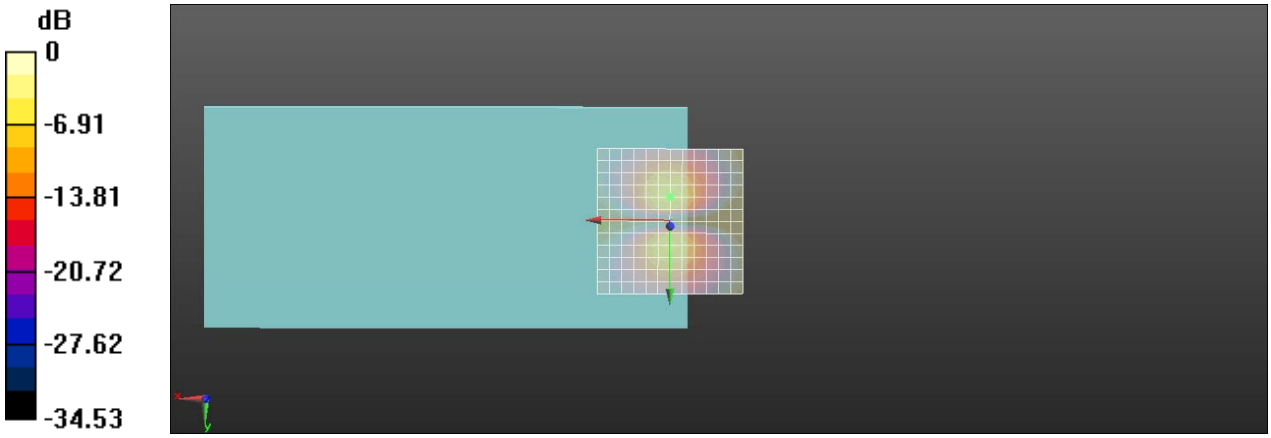
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 29.72 dB
ABM1 comp = -6.95 dBA/m
BWC Factor = 0.18 dB
Location: 0, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-25

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band V HSPA 4182CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

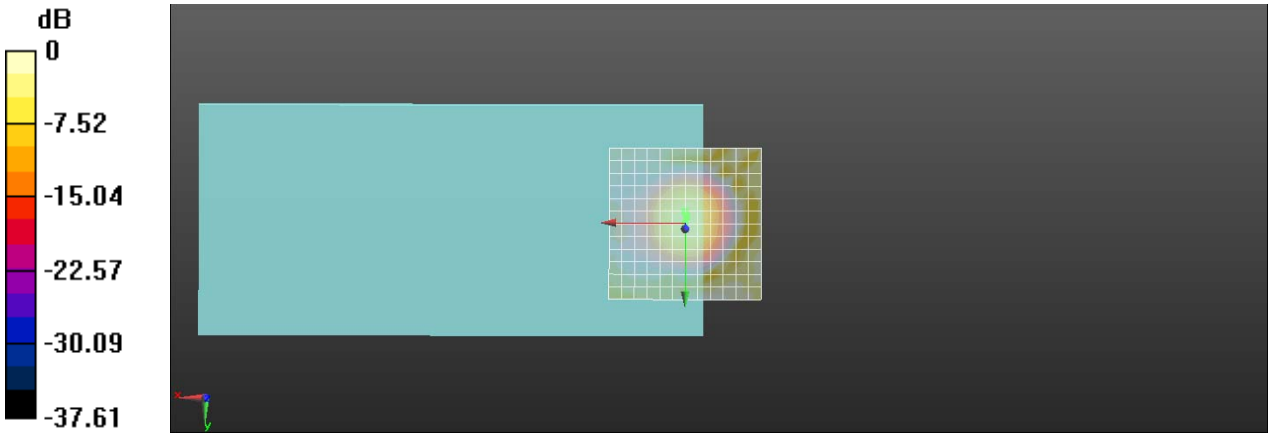
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

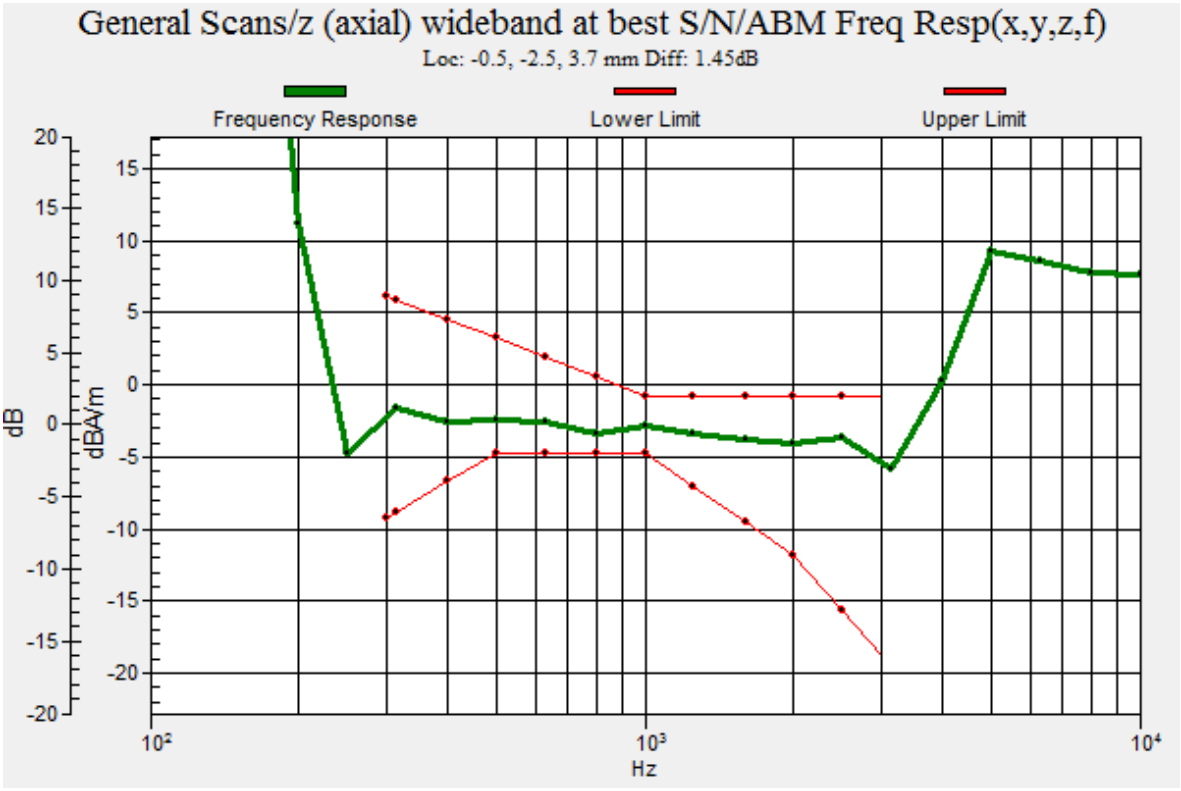
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 29.76 dB
ABM1 comp = -1.56 dBA/m
BWC Factor = 0.16 dB
Location: 0, -4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -0.5, -2.5, 3.7 mm Diff: 1.45dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4

Date: 2019-11-25

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WCDMA Band V HSPA 4182CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

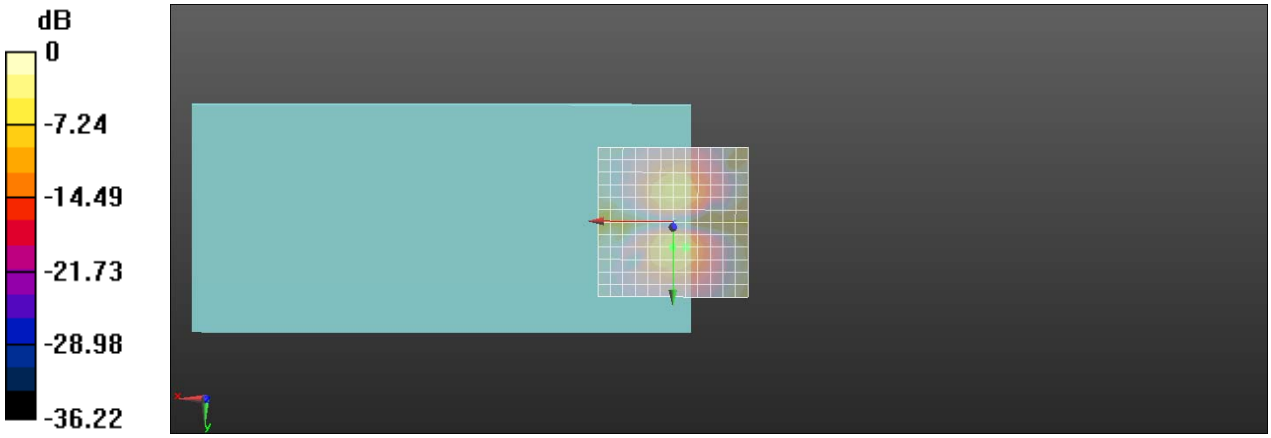
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 28.73 dB
ABM1 comp = -10.13 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-17

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 12 10M QPSK 1RB0 23095CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

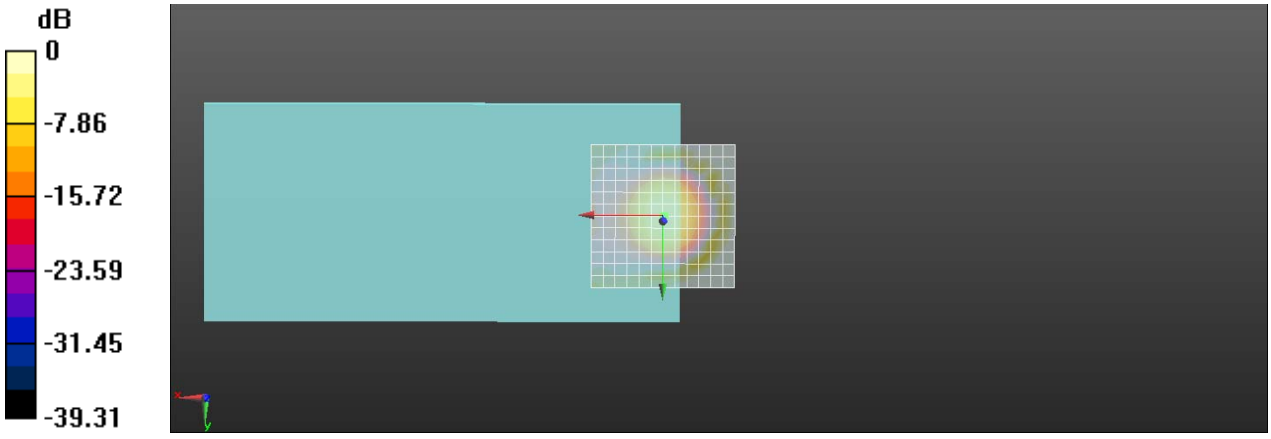
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

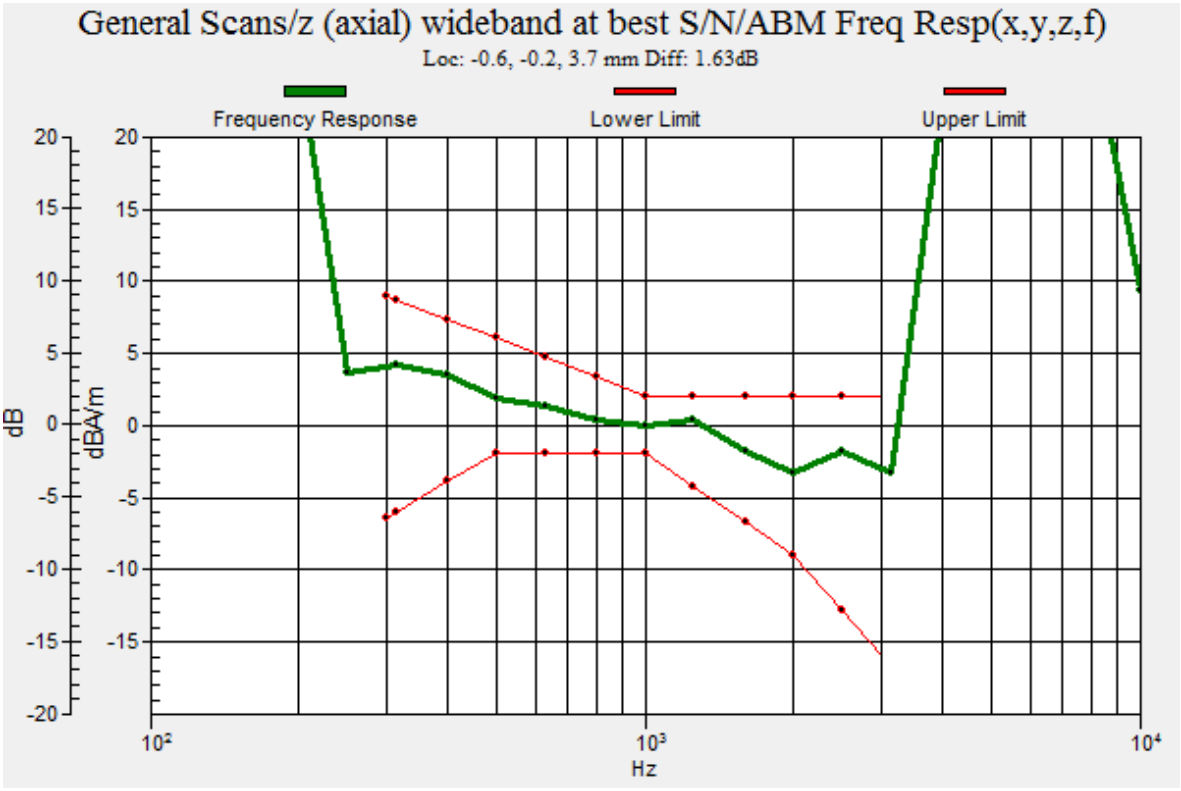
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 31.37 dB
ABM1 comp = 1.71 dBA/m
BWC Factor = 0.16 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -0.6, -0.2, 3.7 mm Diff: 1.63dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4
Hz

Date: 2019-11-17

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 12 10M QPSK 1RB0 23095CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

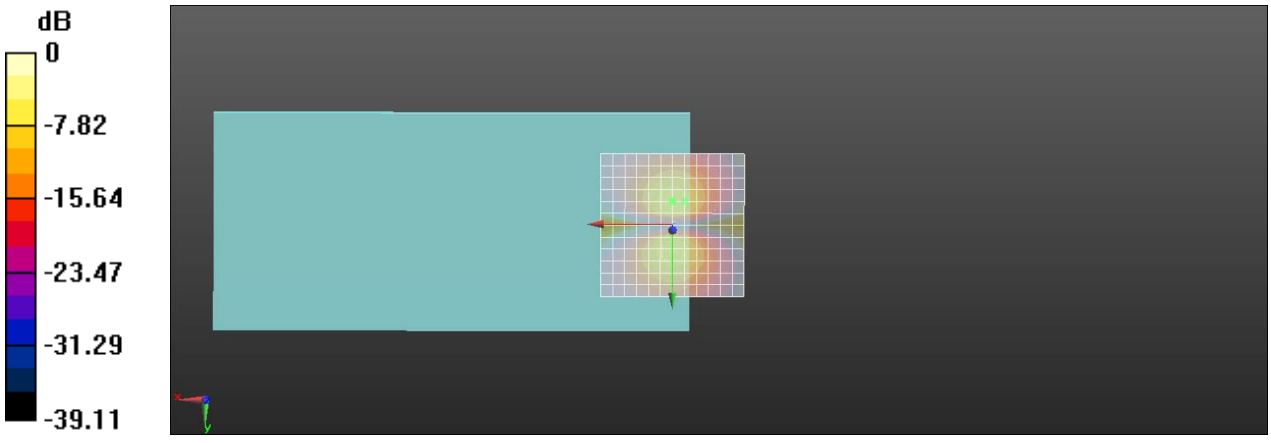
Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 707.5 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 28.72 dB
ABM1 comp = -8.26 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-18

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 13 10M QPSK 1RB0 23230CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 782 MHz;Duty Cycle: 1:1

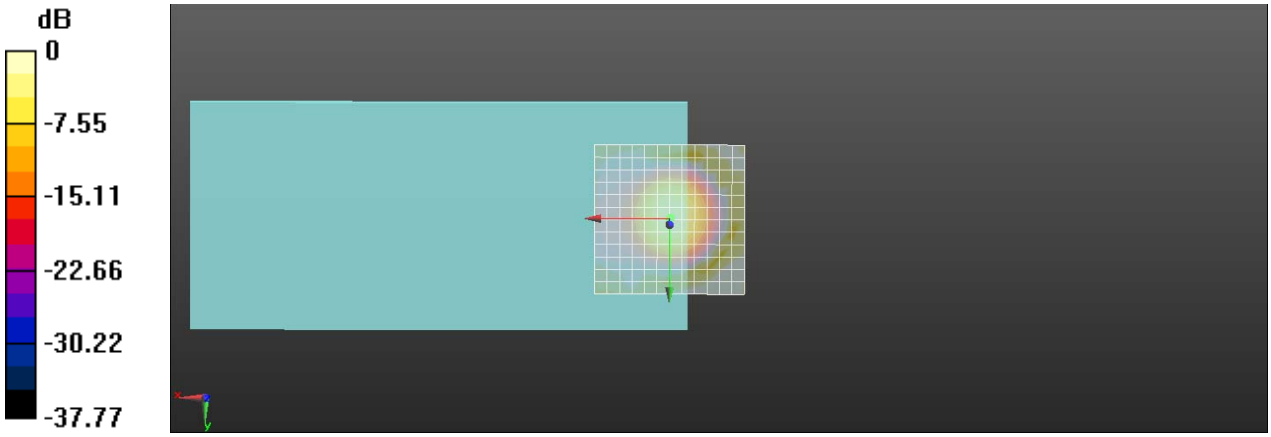
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

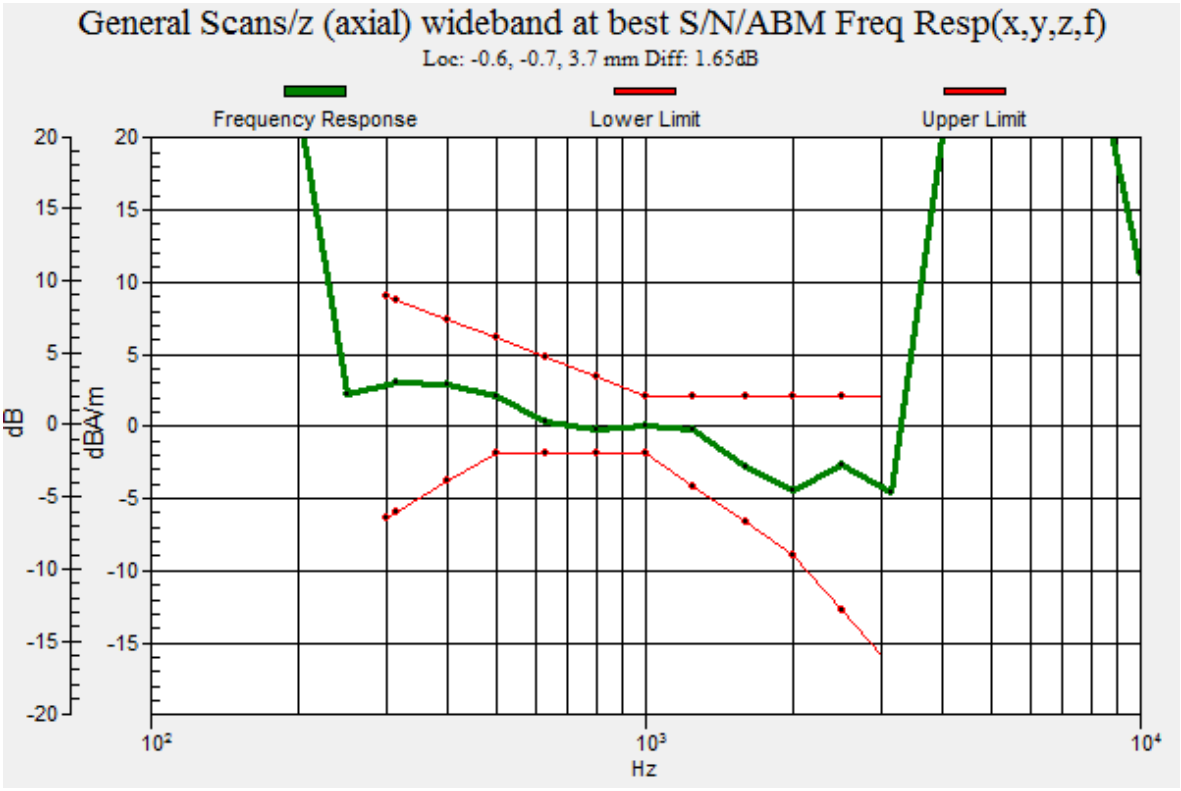
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 29.99 dB
ABM1 comp = 0.81 dBA/m
BWC Factor = 0.16 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -0.6, -0.7, 3.7 mm Diff: 1.65dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4
Hz

Date: 2019-11-18

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 13 10M QPSK 1RB0 23230CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

Communication System: UID 0, LTE-FDD BW 10MHZ (0); Frequency: 782 MHz;Duty Cycle: 1:1

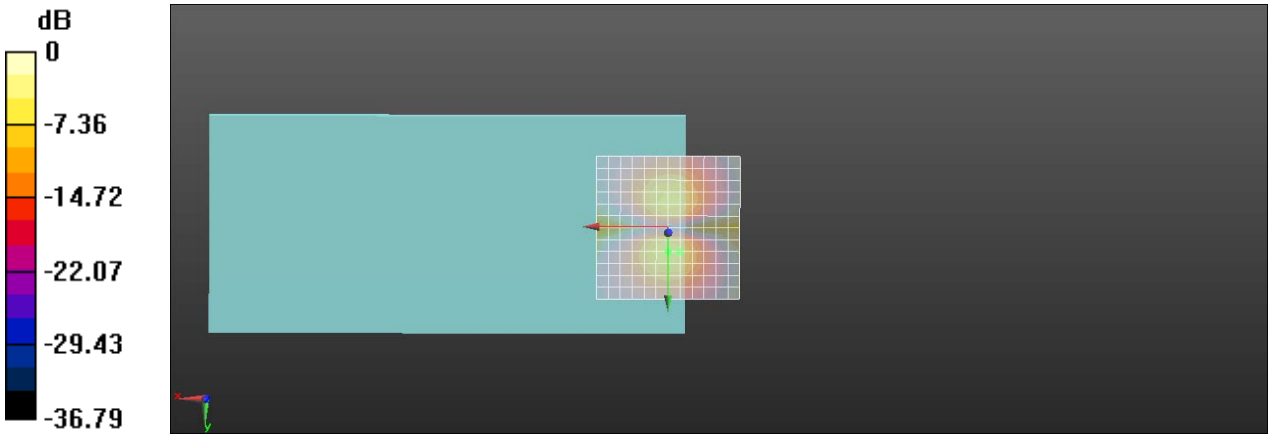
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 27.40 dB
ABM1 comp = -8.51 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-17

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 25 20M QPSK 1RB0 26365CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

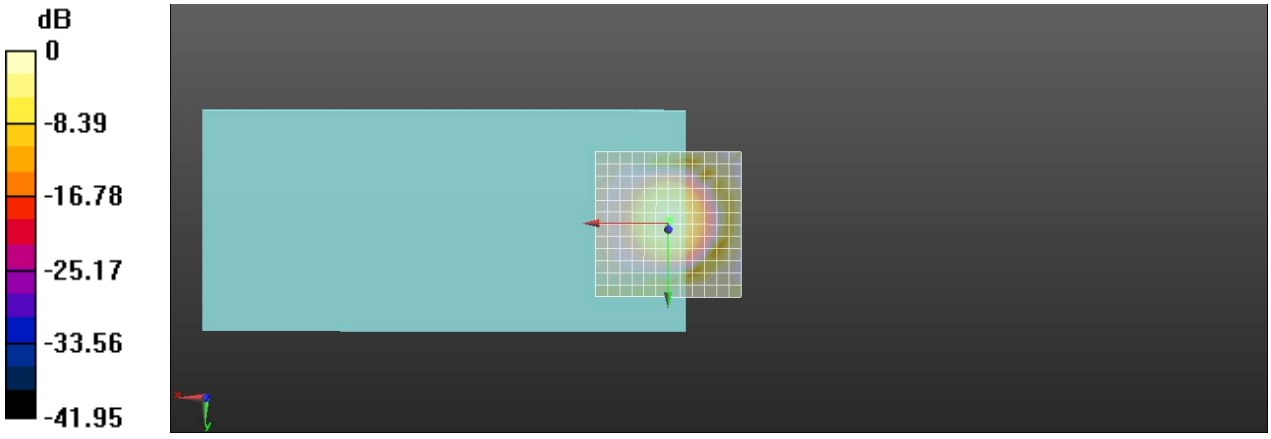
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

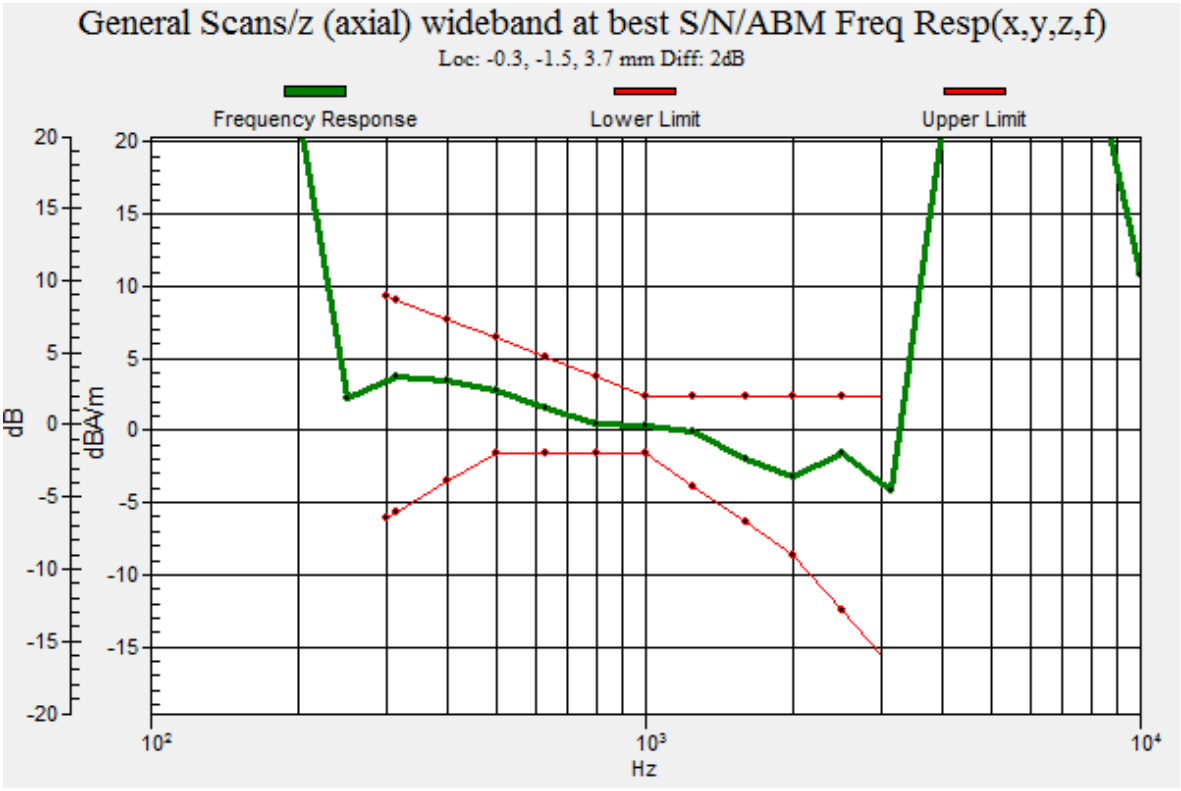
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 29.99 dB
ABM1 comp = 1.06 dBA/m
BWC Factor = 0.16 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -0.3, -1.5, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4
Hz

Date: 2019-11-17

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 25 20M QPSK 1RB0 26365CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

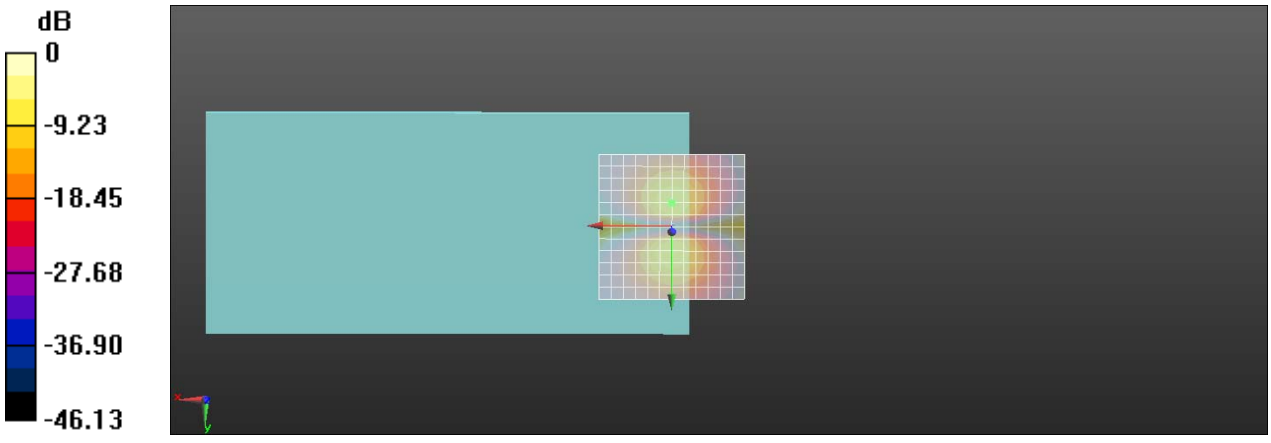
Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 1882.5 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 27.85 dB
ABM1 comp = -6.81 dBA/m
BWC Factor = 0.16 dB
Location: 0, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-17

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 26 15M QPSK 1RB0 26865CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

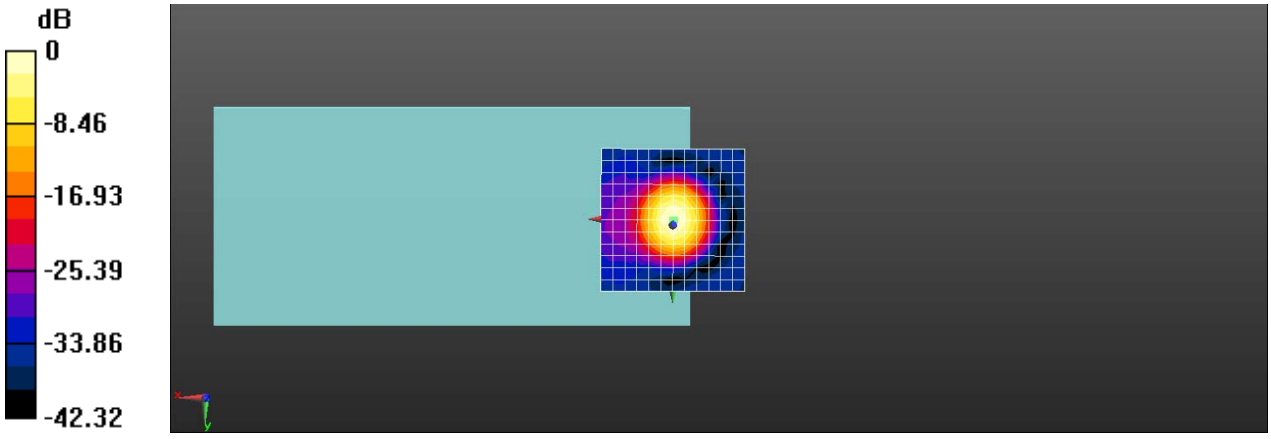
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

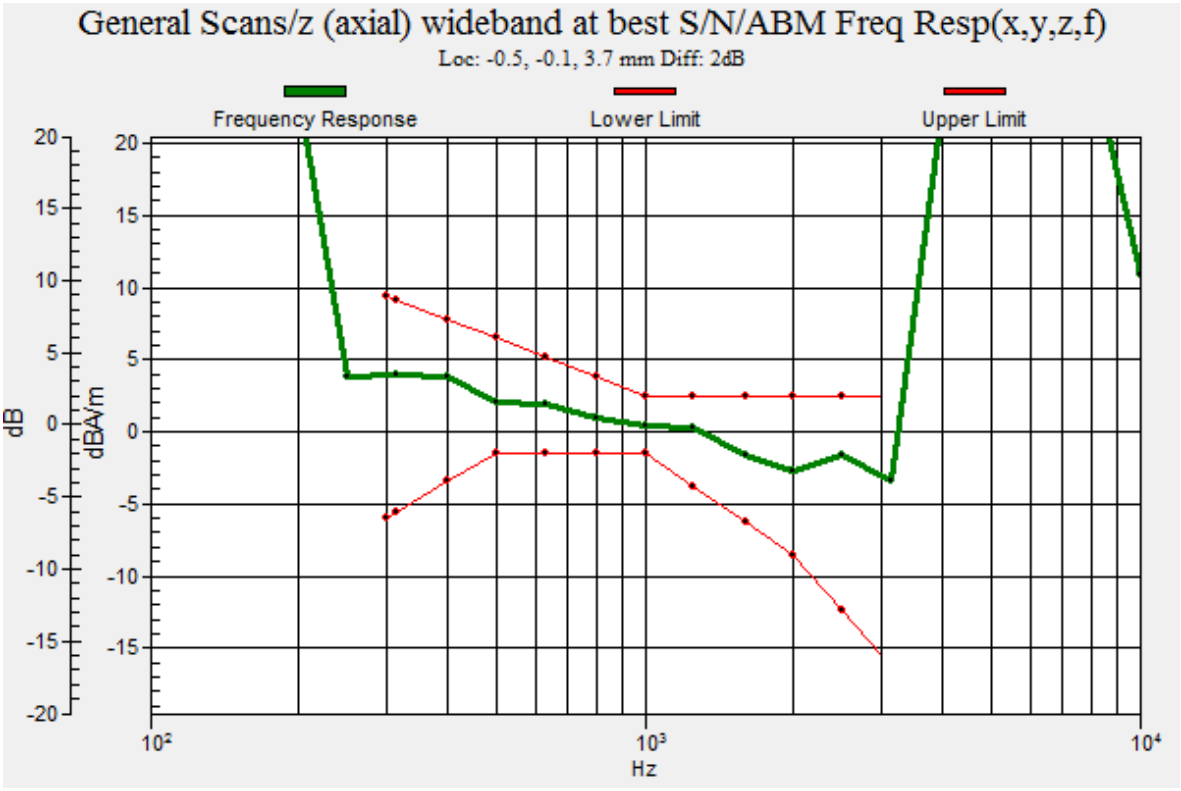
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 30.28 dB
ABM1 comp = 0.27 dBA/m
BWC Factor = 0.16 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -0.5, -0.1, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4
Hz

Date: 2019-11-17

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 26 15M QPSK 1RB0 26865CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

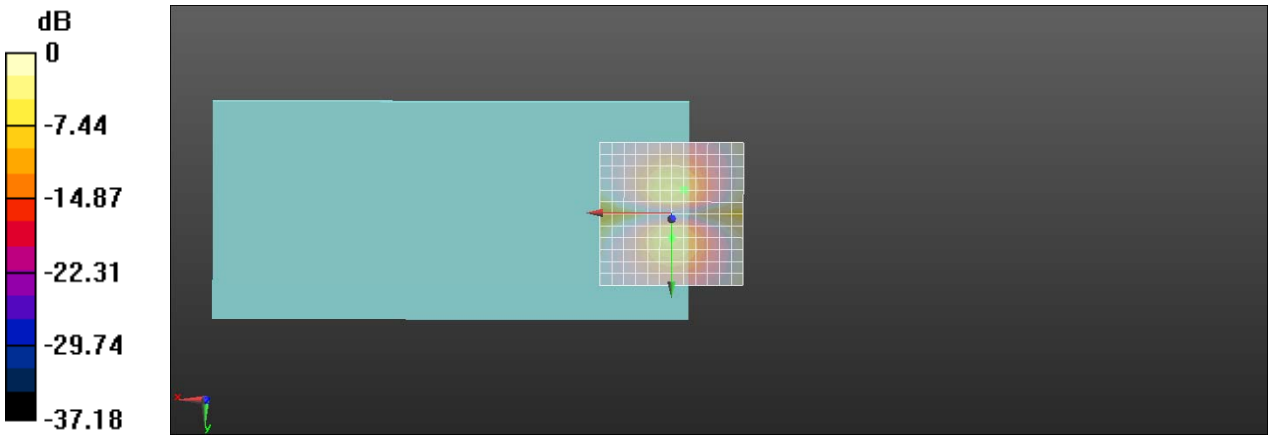
Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 27.29 dB
ABM1 comp = -9.43 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-23

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 26 15M QPSK 1RB0 26865CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

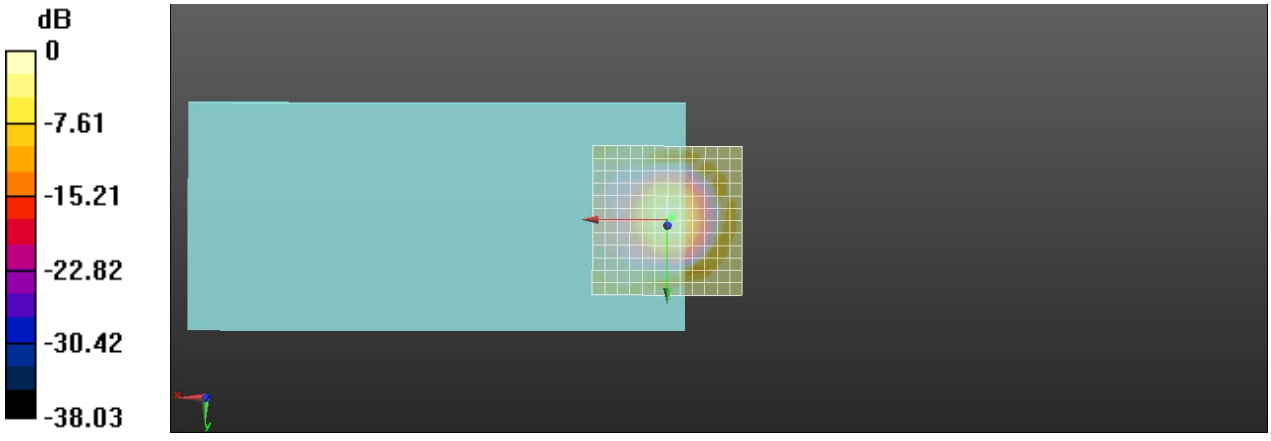
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

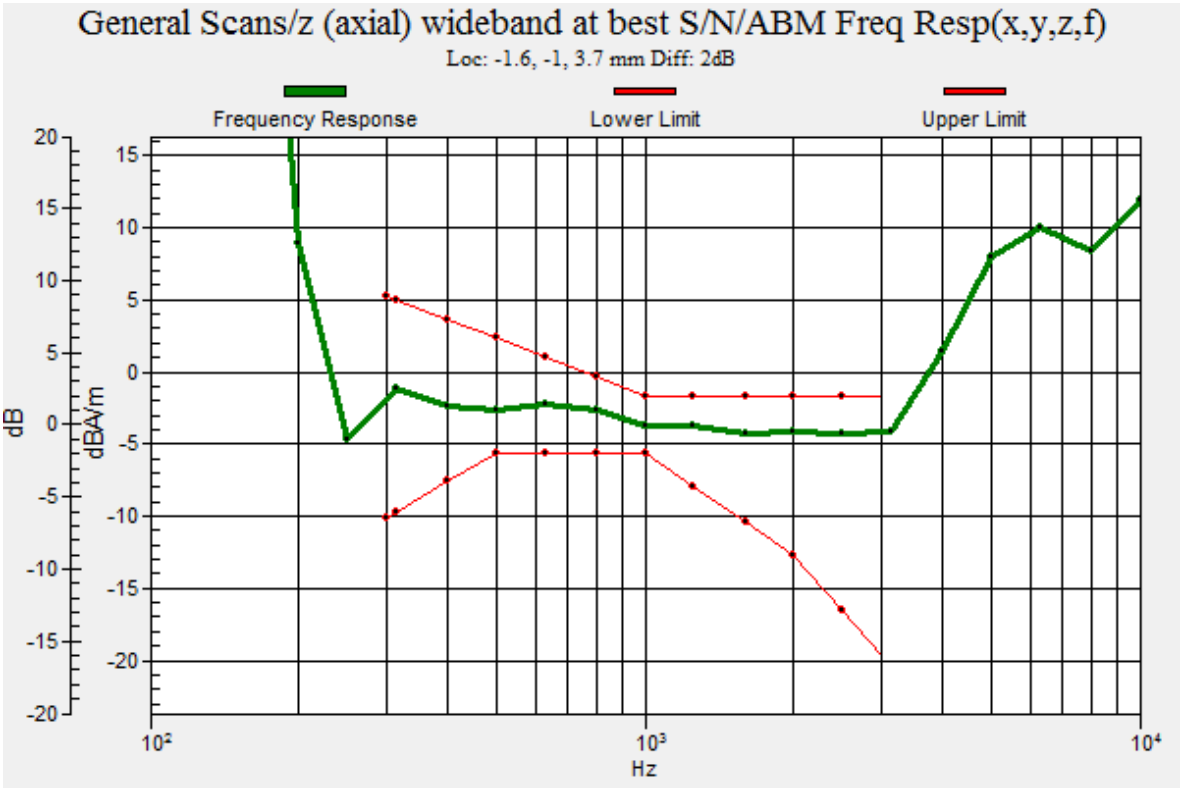
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 28.46 dB
ABM1 comp = -1.43 dBA/m
BWC Factor = 0.16 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -1.6, -1, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4

Date: 2019-11-25

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 26 15M QPSK 1RB0 26865CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

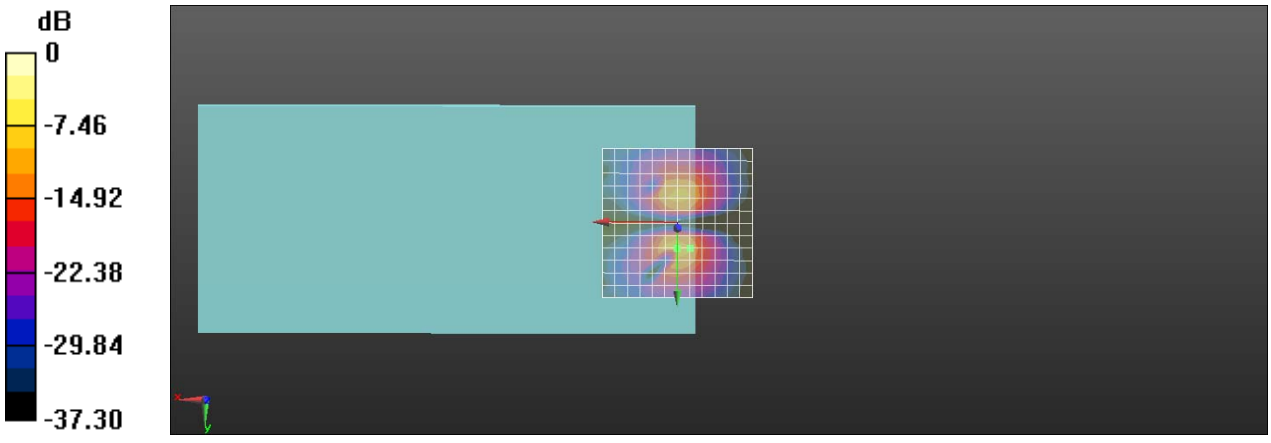
Communication System: UID 0, LTE-FDD BW 15MHz (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 27.49 dB
ABM1 comp = -10.62 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-17

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 66 20M QPSK 1RB0 132322CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

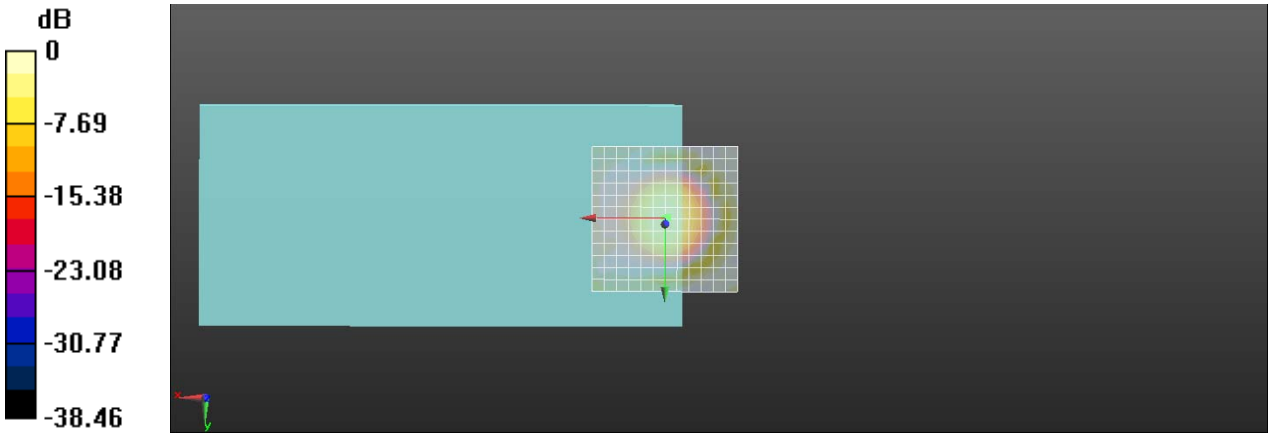
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

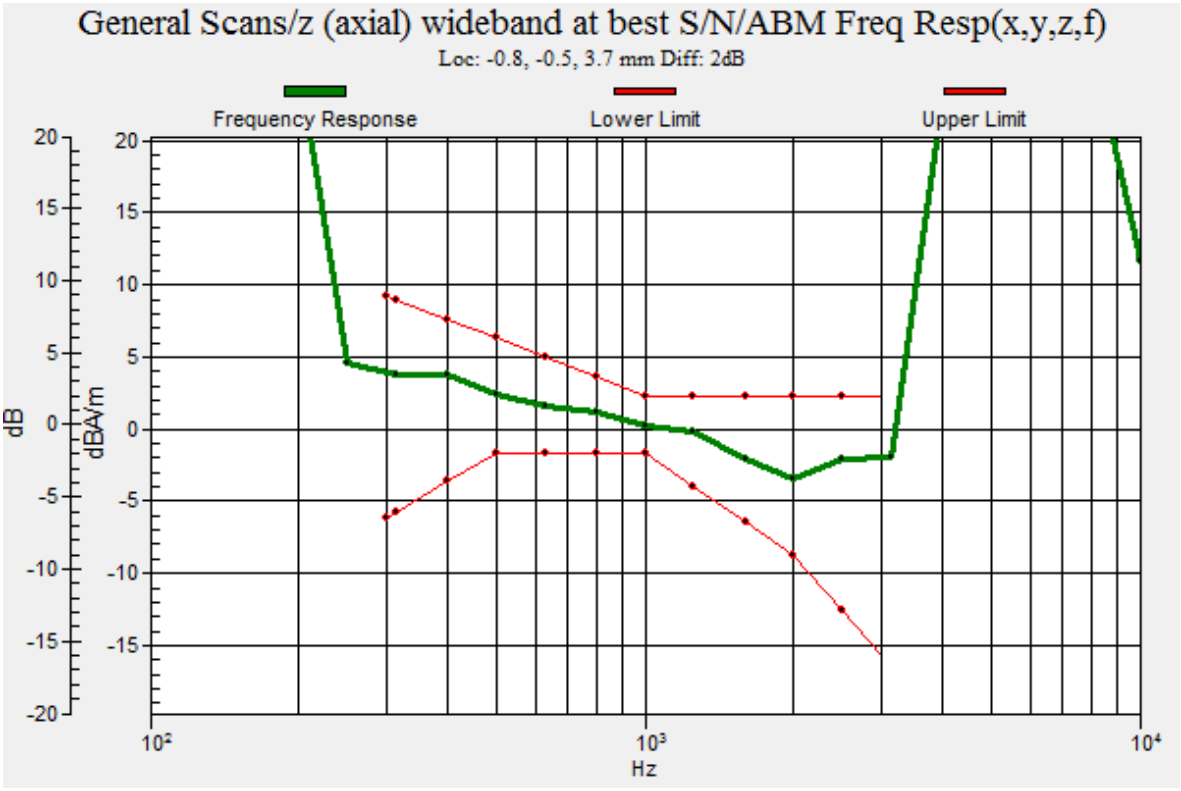
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 30.56 dB
ABM1 comp = 1.69 dBA/m
BWC Factor = 0.16 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -0.8, -0.5, 3.7 mm Diff: 2dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4
Hz

Date: 2019-11-17

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 66 20M QPSK 1RB0 132322CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

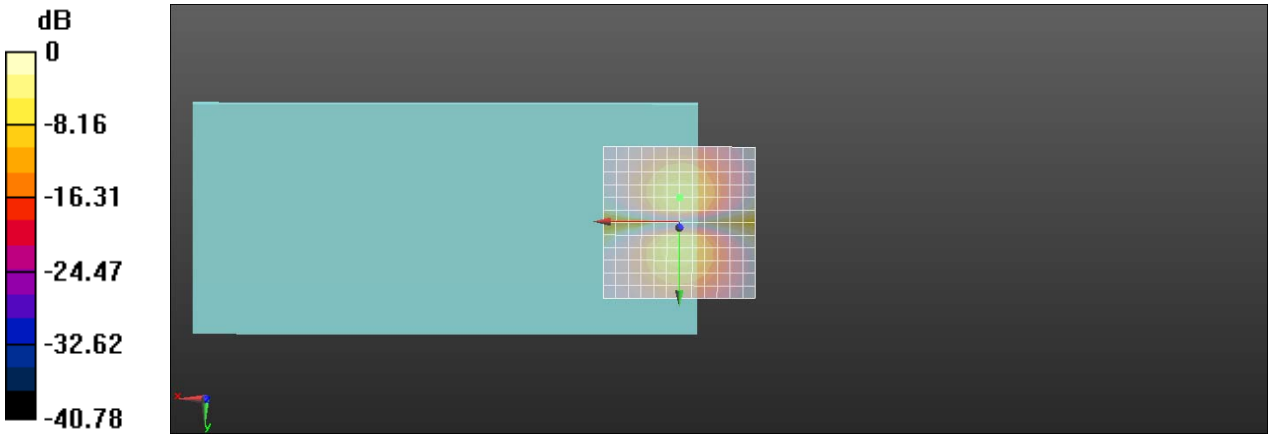
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 27.86 dB
ABM1 comp = -6.86 dBA/m
BWC Factor = 0.16 dB
Location: 0, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-17

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 71 20M QPSK 1RB0 133297CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

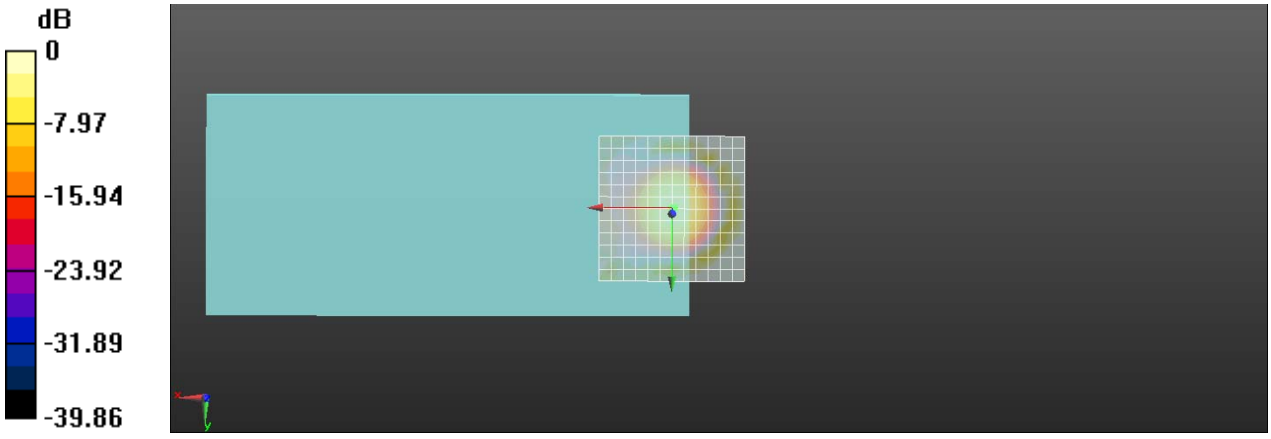
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

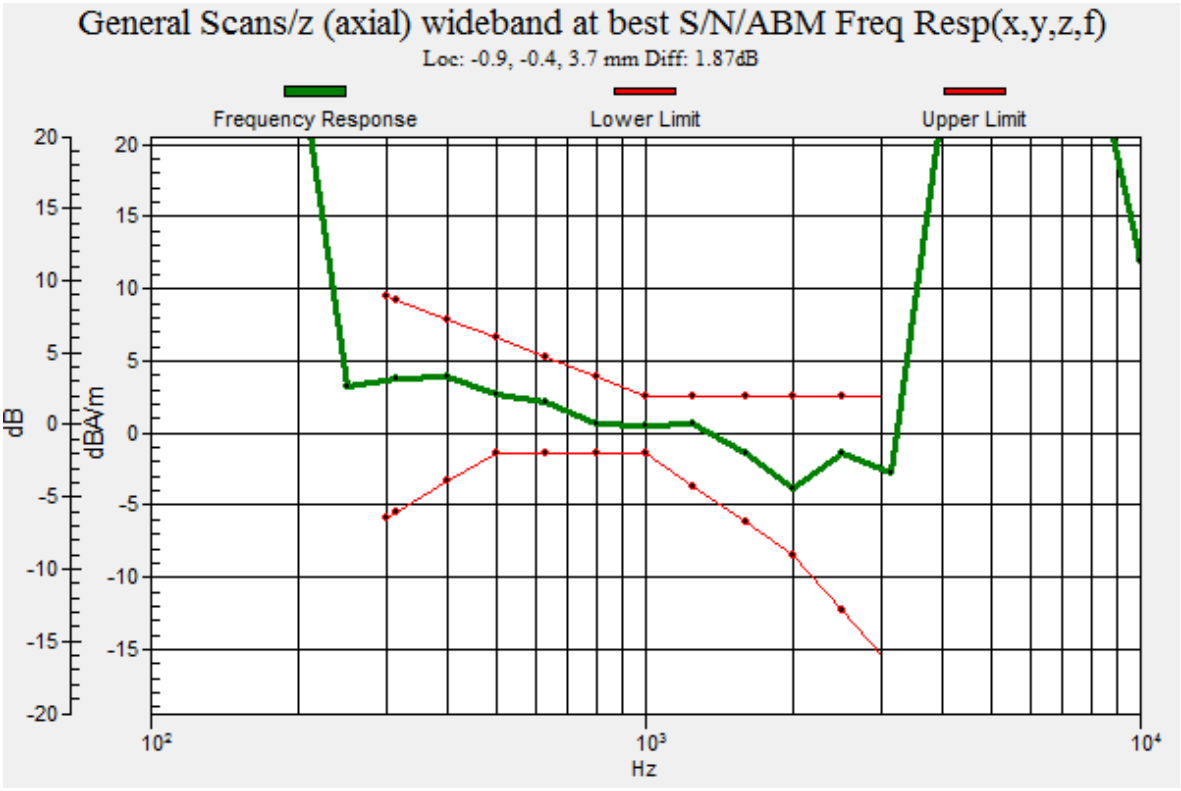
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 30.90 dB
ABM1 comp = 1.71 dBA/m
BWC Factor = 0.15 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -0.9, -0.4, 3.7 mm Diff: 1.87dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
20
15
10
5
0
-5
-10
-15
-20
10²
10³
10⁴

Date: 2019-11-17

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 71 20M QPSK 1RB0 133297CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

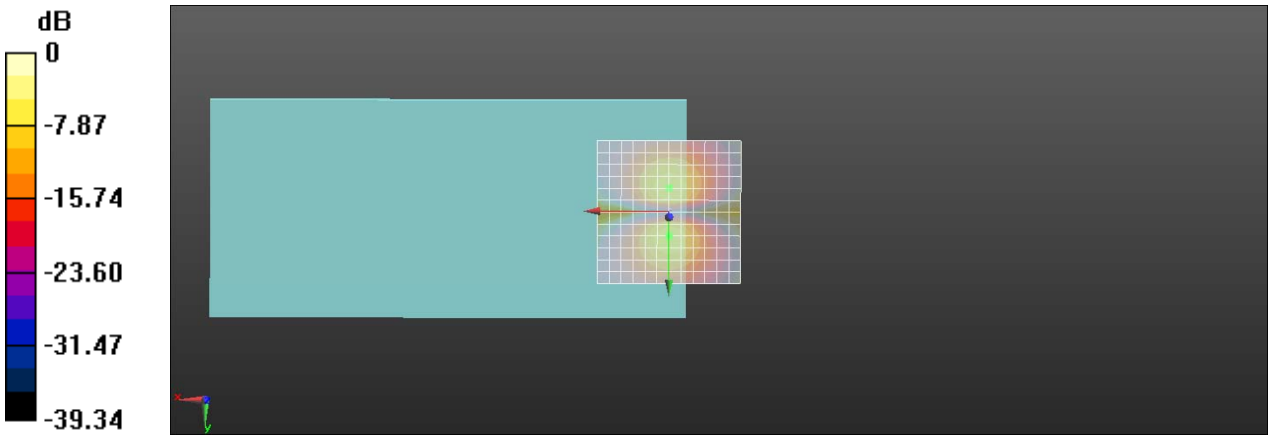
Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 680.5 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 28.18 dB
ABM1 comp = -7.01 dBA/m
BWC Factor = 0.15 dB
Location: 0, -8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-18

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 41 20M QPSK 1RB0 40620CH-WB AMR 6.6Kbps

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

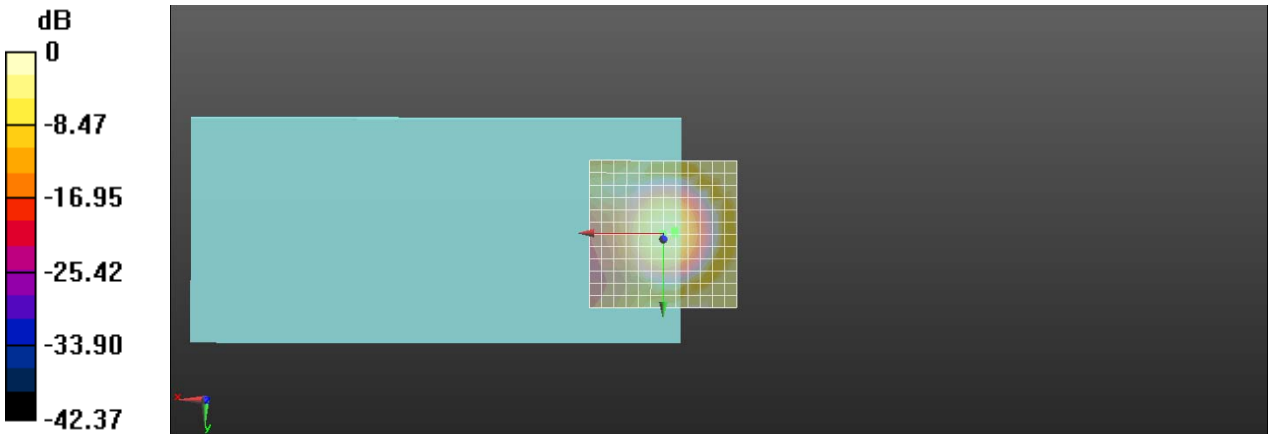
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

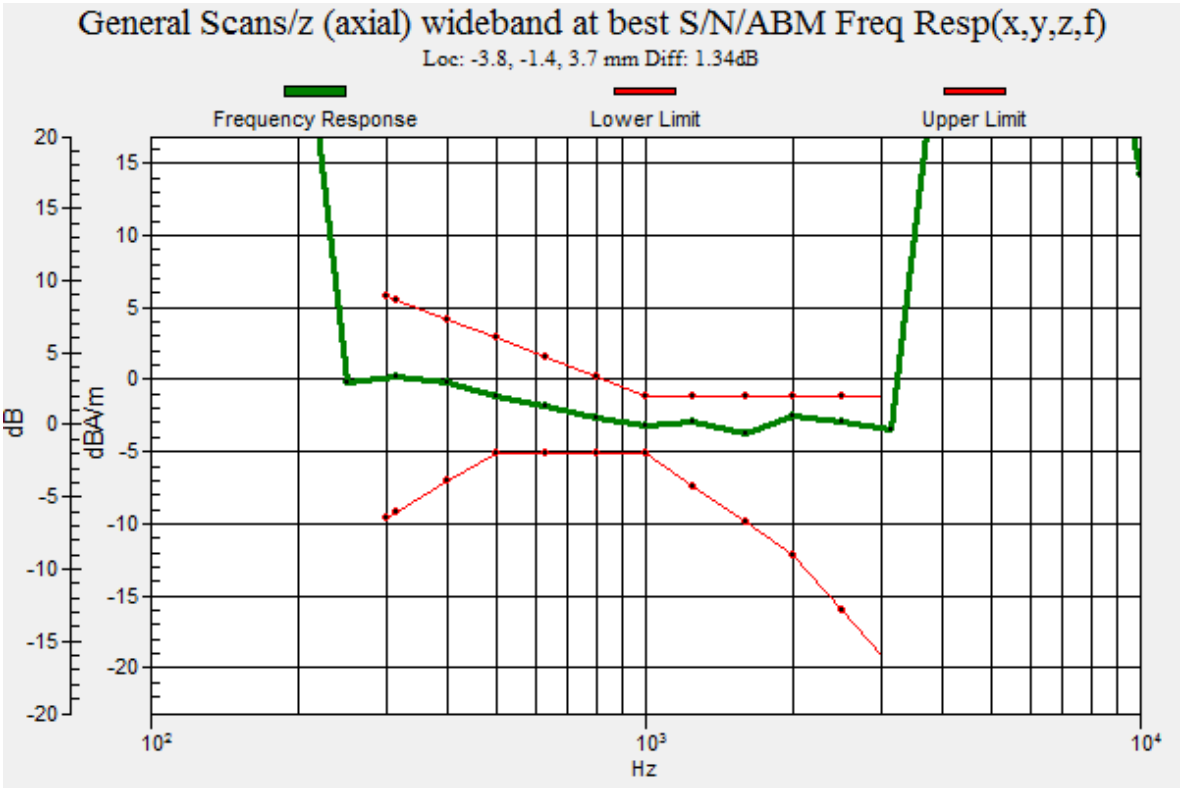
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 23.55 dB
ABM1 comp = -2.90 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -3.8, -1.4, 3.7 mm Diff: 1.34dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz
10²
10³
10⁴

Date: 2019-11-18

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 41 20M QPSK 1RB0 40620CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

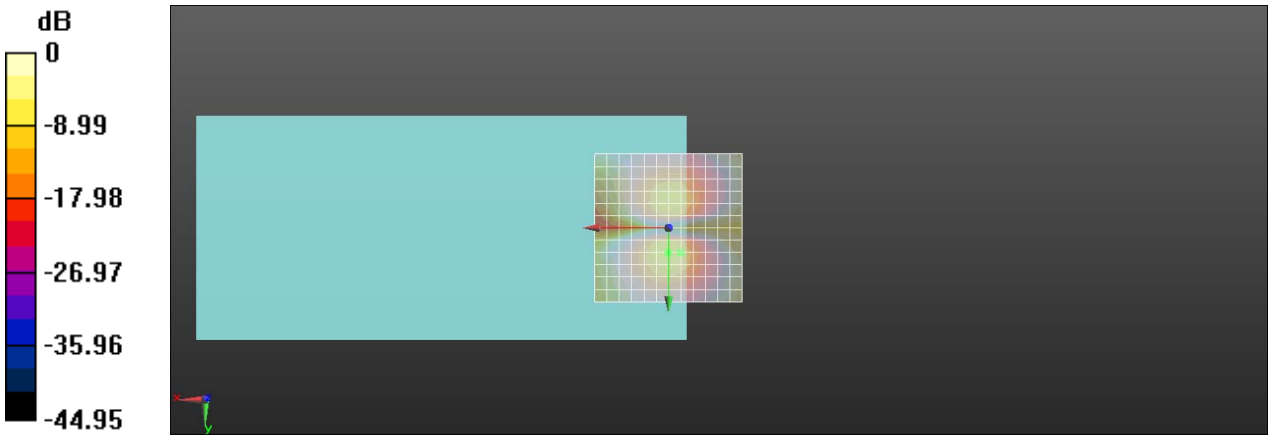
Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2593 MHz;Duty Cycle: 1:1.57906

Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 24.39 dB
ABM1 comp = -10.35 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-25

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 41 20M QPSK 1RB0 40620CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

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

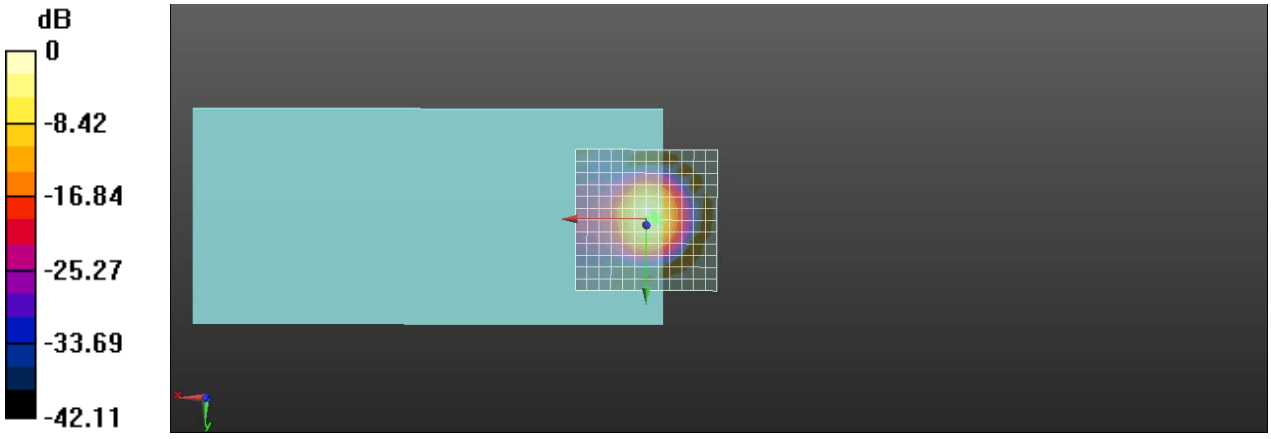
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

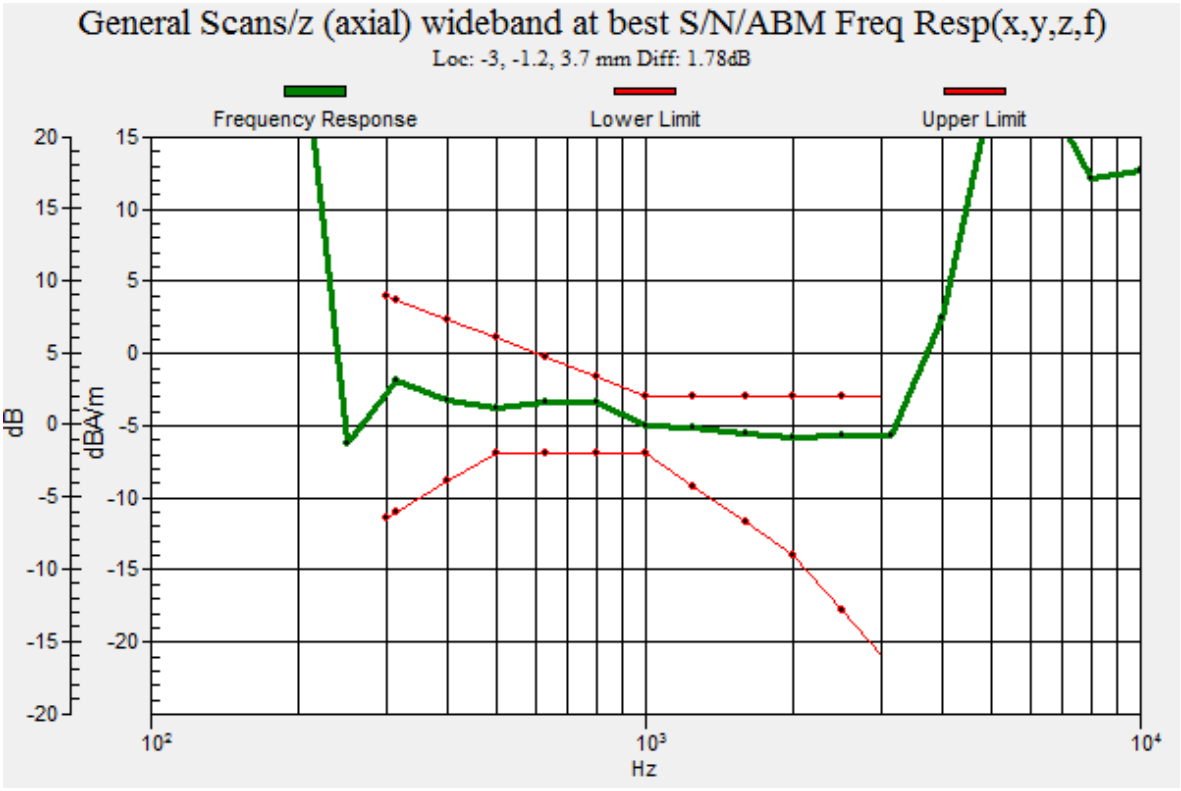
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 25.91 dB
ABM1 comp = -3.35 dBA/m
BWC Factor = 0.16 dB
Location: -4.2, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -3, -1.2, 3.7 mm Diff: 1.78dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

Date: 2019-11-25

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-LTE Band 41 20M QPSK 1RB0 40620CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

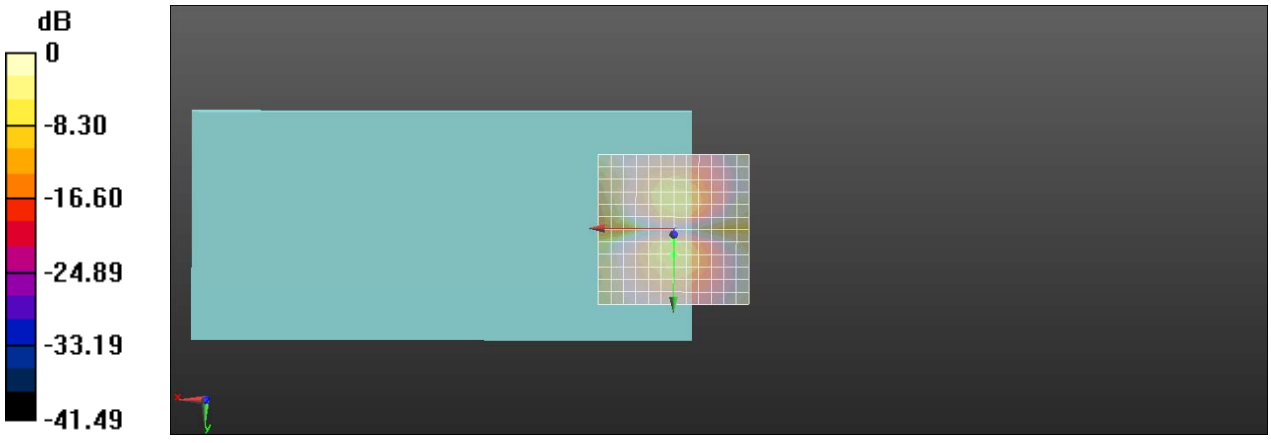
Communication System: UID 0, LTE-TDD BW 20MHz (0); Frequency: 2593 MHz;Duty Cycle: 1:1.57906

Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 26.06 dB
ABM1 comp = -11.27 dBA/m
BWC Factor = 0.16 dB
Location: 0, 4.2, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-19

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WiFi 2.4G 802.11b 6CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1

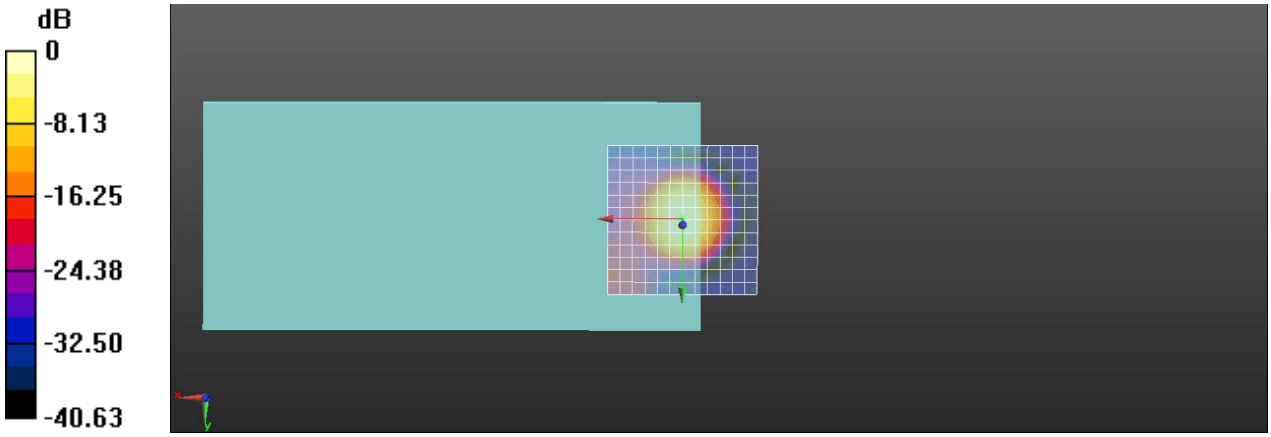
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

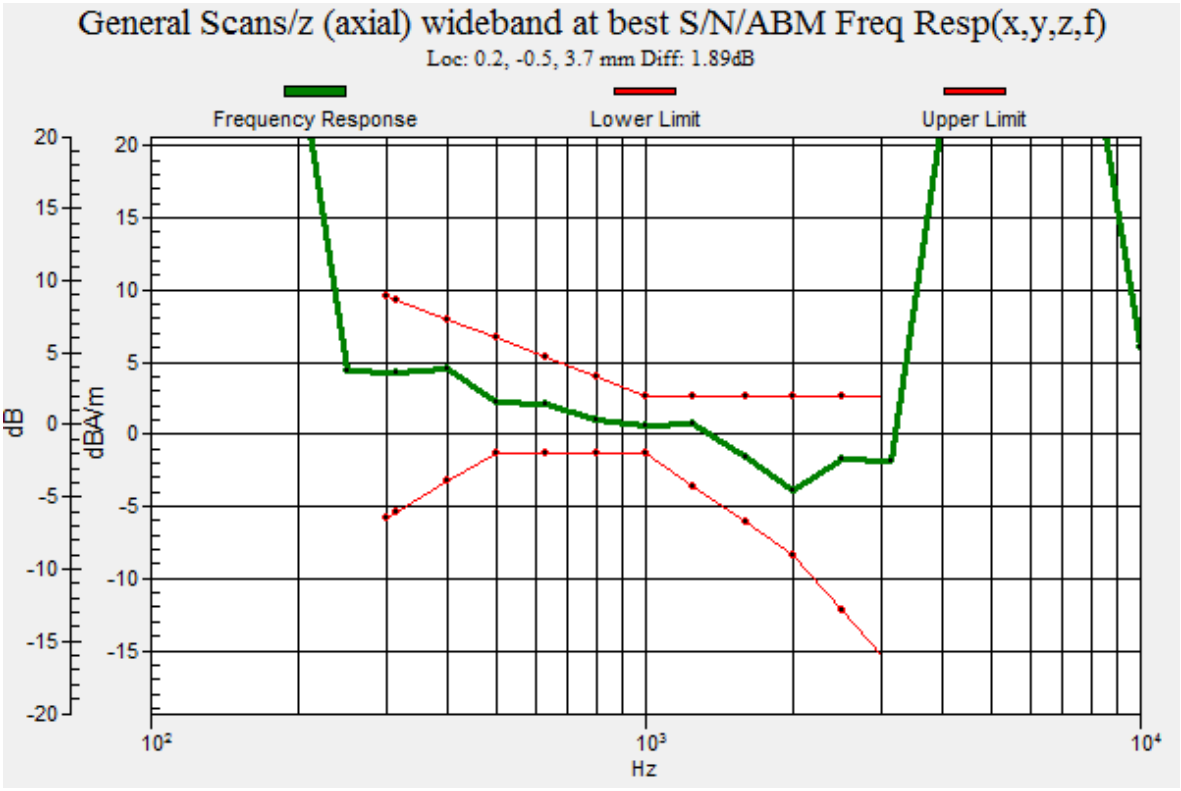
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 30.53 dB
ABM1 comp = 2.00 dBA/m
BWC Factor = 0.16 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: 0.2, -0.5, 3.7 mm Diff: 1.89dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
20
15
10
5
0
-5
-10
-15
-20
10^2
10^3
10^4
Hz

Date: 2019-11-19

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WiFi 2.4G 802.11b 6CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1

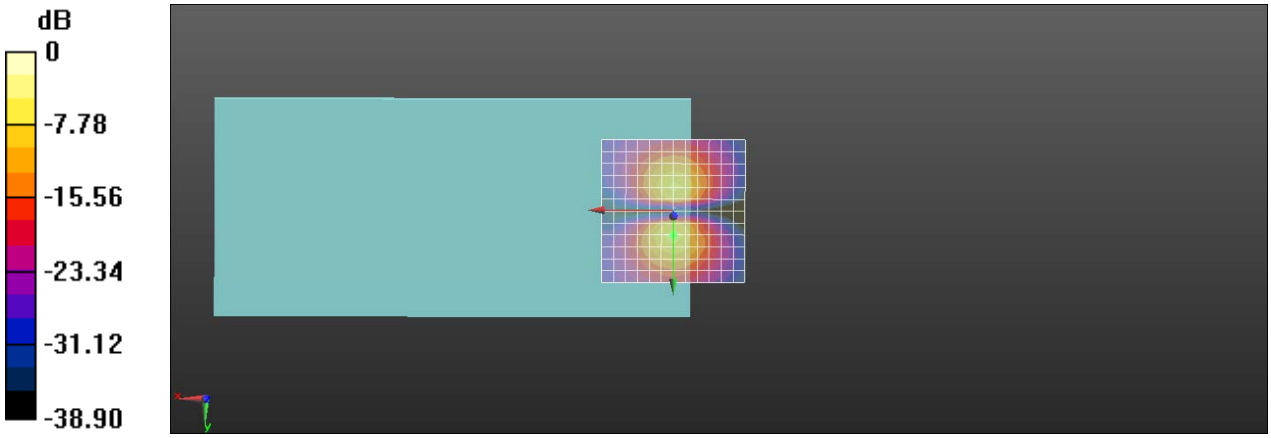
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 30.25 dB
ABM1 comp = -5.96 dBA/m
BWC Factor = 0.16 dB
Location: 0, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB

Date: 2019-11-22

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WiFi 2.4G 802.11b 6CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1

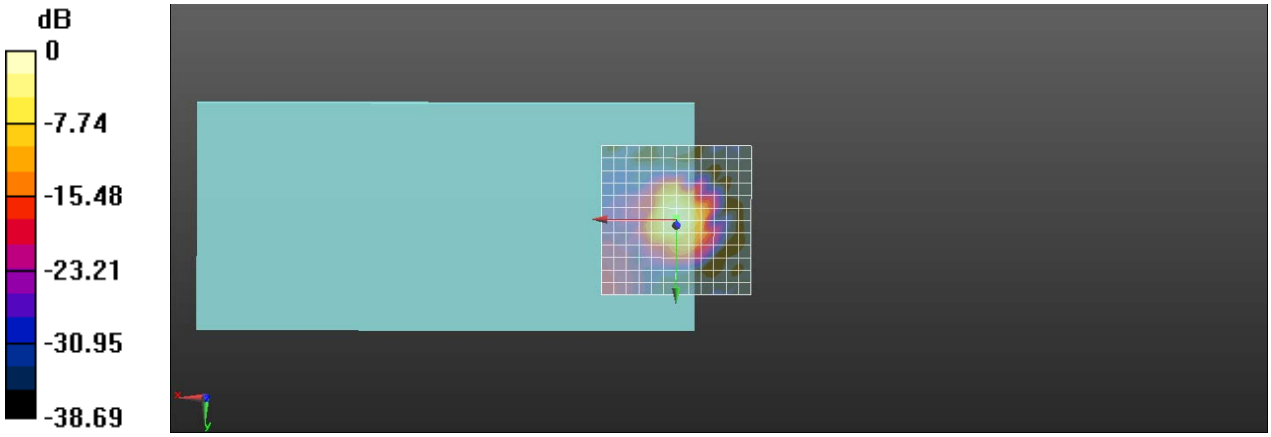
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

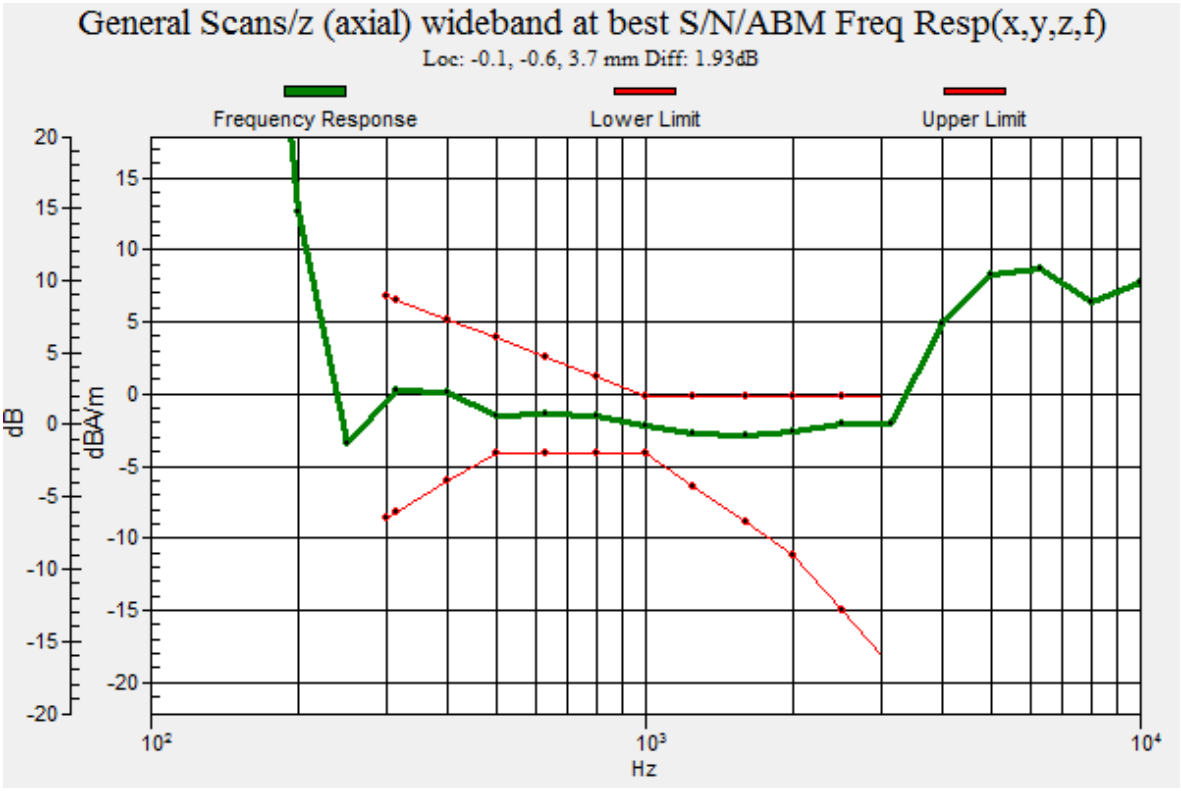
- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 30.23 dB
ABM1 comp = -0.04 dBA/m
BWC Factor = 0.15 dB
Location: 0, 0, 3.7 mm



0 dB = 1.000 = 0.00 dB


General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)
Loc: -0.1, -0.6, 3.7 mm Diff: 1.93dB
Frequency Response
Lower Limit
Upper Limit
dB
dBA/m
Hz

Date: 2019-11-22

Test Laboratory: SGS-SAR Lab

B110DL HAC-T-Coil-WiFi 2.4G 802.11b 6CH

DUT: B110DL; Type: Smart Phone; Serial: 351529110005611

Communication System: UID 0, WI-FI(2.4GHz) (0); Frequency: 2437 MHz;Duty Cycle: 1:1

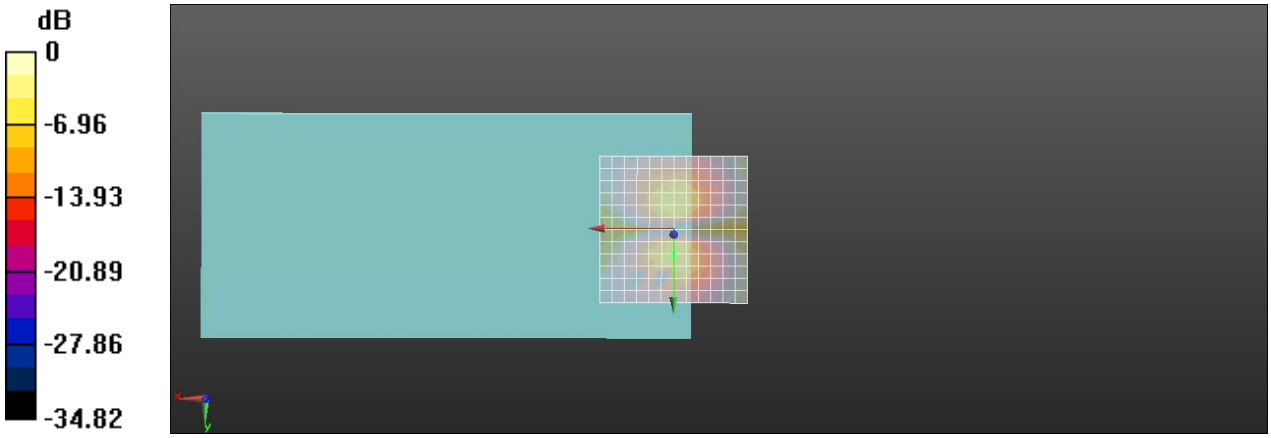
Medium: Air;Medium parameters used: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 1$ kg/m^3
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2019-06-14
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2019-09-18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 26.38 dB
ABM1 comp = -8.54 dBA/m
BWC Factor = 0.15 dB
Location: 0, 8.3, 3.7 mm



0 dB = 1.000 = 0.00 dB