



# Appendix A

## Detailed Test Results

1. GSM
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GSM1900 for T-coil
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WCDMA Band II for T-coil
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3. CDMA
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LTE Band 7 for T-coil
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
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5. WIFI
WIFI 2.4G for T-coil
WIFI 5G for T-coil

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-GSM850 GSM Voice 190CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

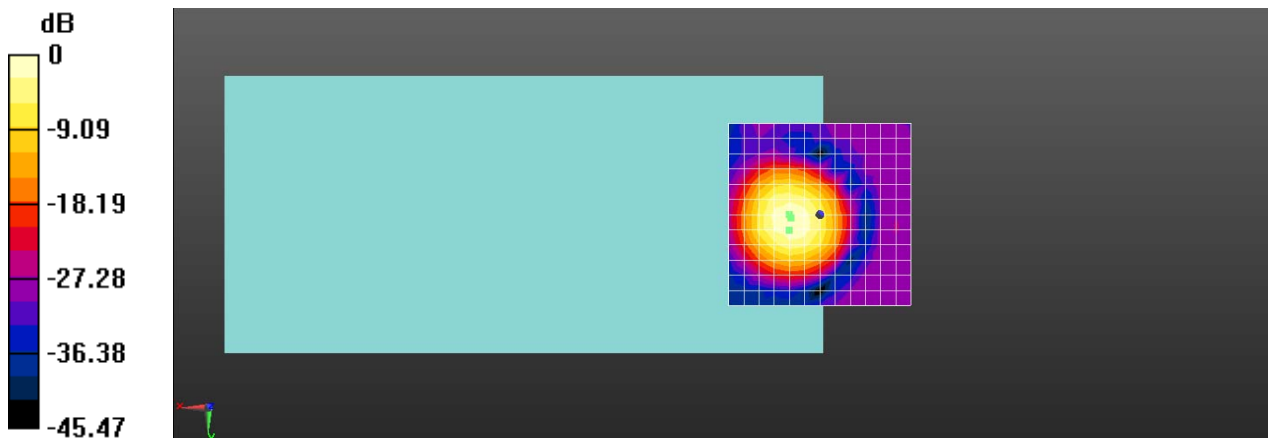
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 39.36 dB

ABM1 comp = 17.43 dBA/m

BWC Factor = 0.16 dB

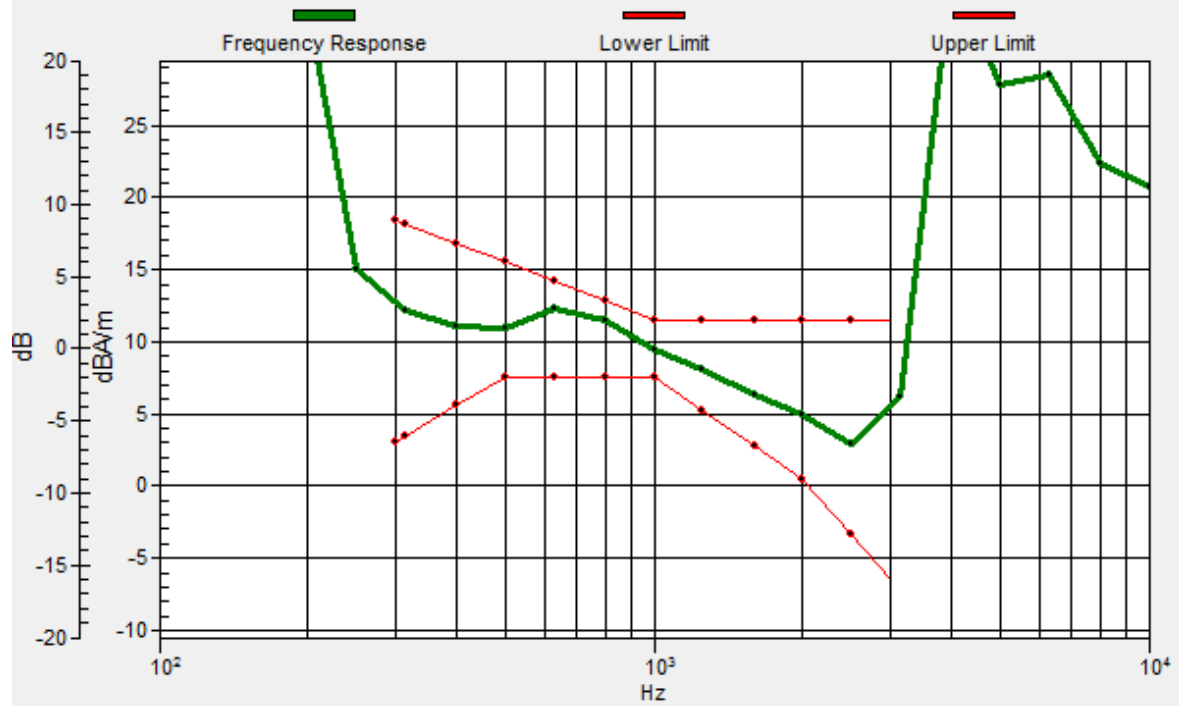
Location: 8.3, 0, 3.7 mm



0 dB = 92.94 = 39.36 dB

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

Loc: 8, 0.9, 3.7 mm Diff: 1.27dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-GSM850 GSM Voice 190CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

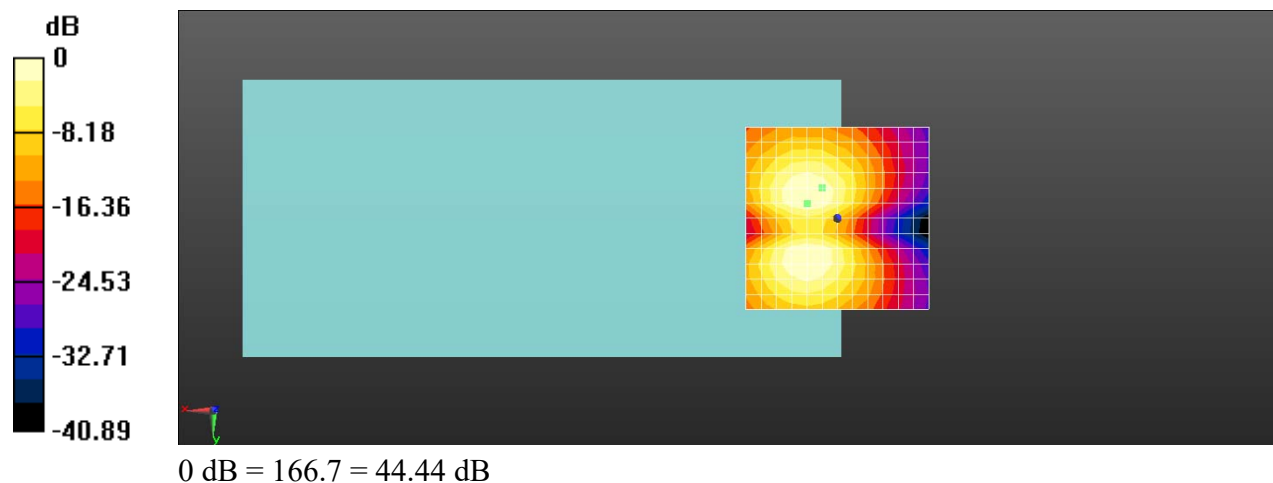
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.44 dB

ABM1 comp = 7.90 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -8.3, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-GSM850 EGPRS 4TS 190CH

**DUT: BE2012; Type: Smart Phone; Serial: e34a434a**

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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

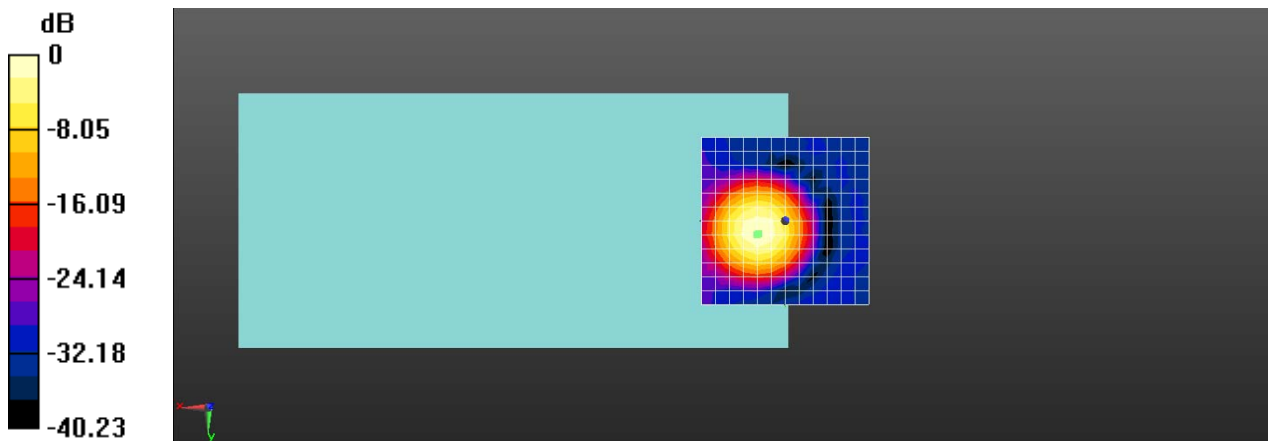
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 33.65 dB

ABM1 comp = 10.90 dBA/m

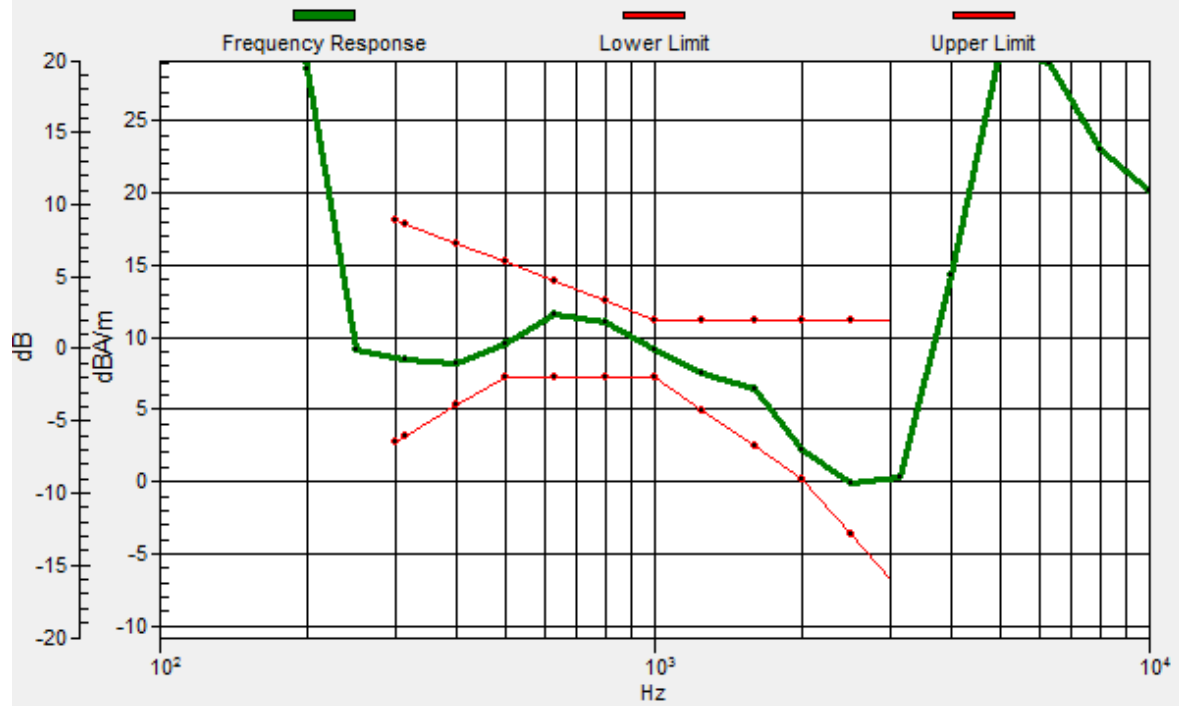
BWC Factor = 0.16 dB

Location: 8.3, 4.2, 3.7 mm



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

Loc: 7.8, 3.8, 3.7 mm Diff: 1.44dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-GSM850 EGPRS 4TS 190CH

**DUT: BE2012; Type: Smart Phone; Serial: e34a434a**

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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

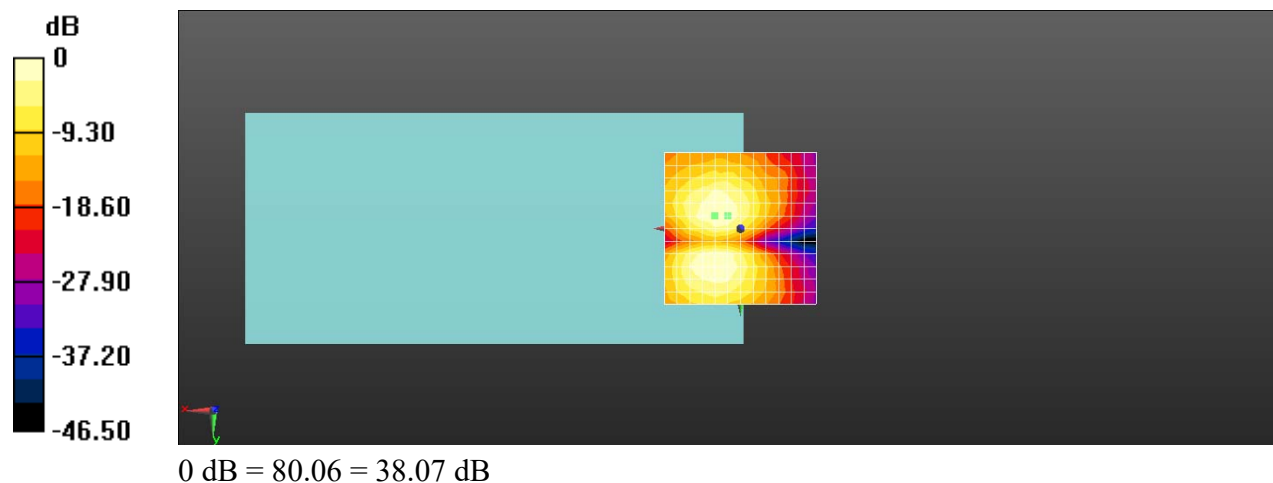
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.07 dB

ABM1 comp = 2.25 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -4.2, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-GSM1900 GSM Voice 661CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

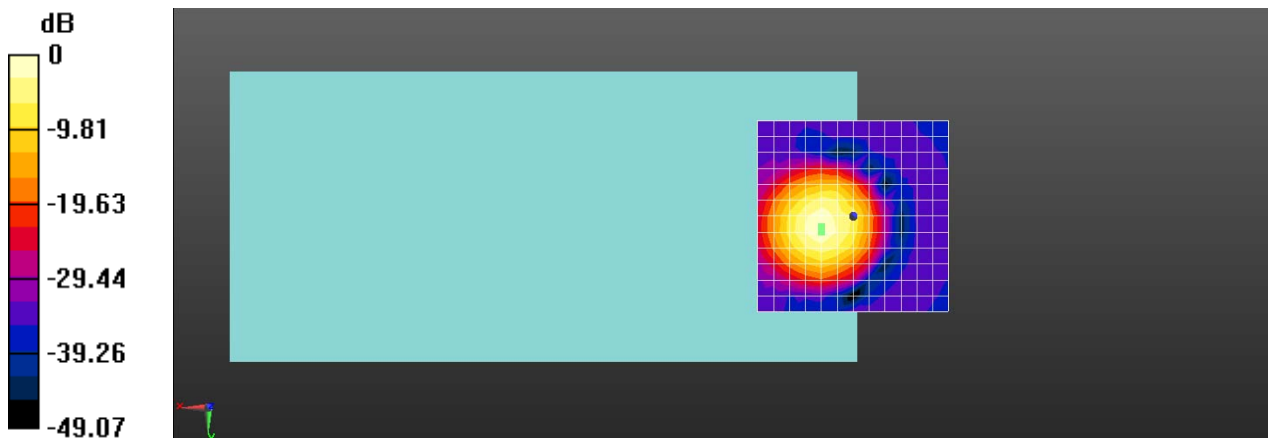
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 43.39 dB

ABM1 comp = 16.78 dBA/m

BWC Factor = 0.18 dB

Location: 8.3, 4.2, 3.7 mm

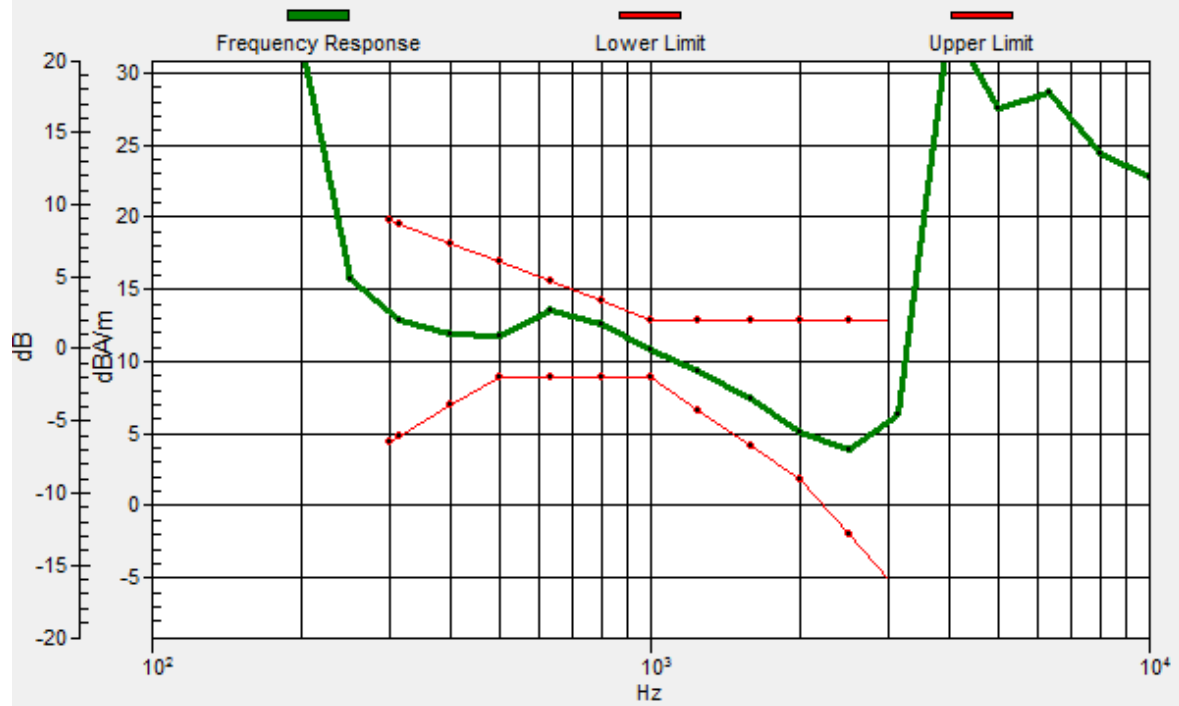


0 dB = 147.8 = 43.39 dB



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

Loc: 8.2, 2.7, 3.7 mm Diff: 1.56dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-GSM1900 GSM Voice 661CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

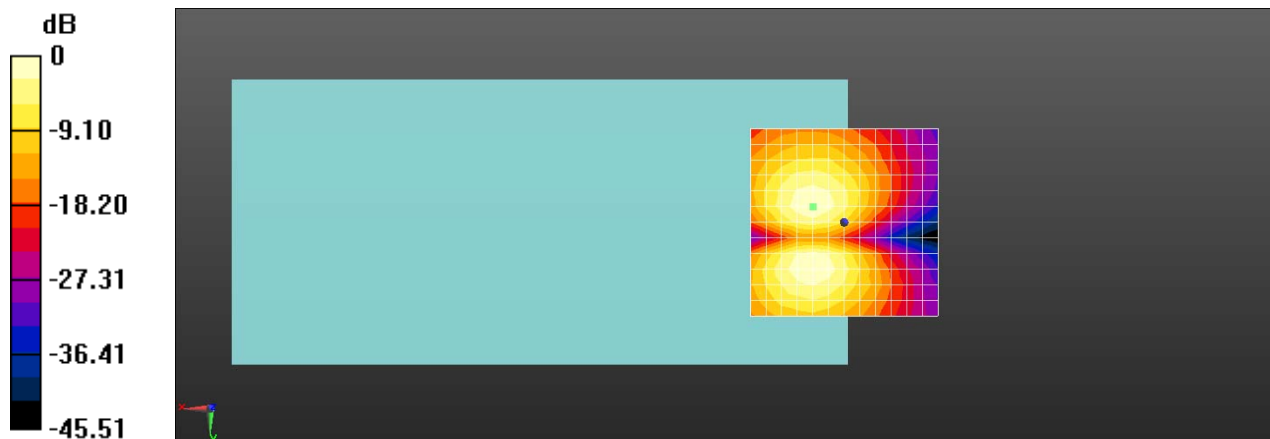
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.58 dB

ABM1 comp = 7.67 dBA/m

BWC Factor = 0.18 dB

Location: 8.3, -4.2, 3.7 mm



0 dB = 169.5 = 44.58 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-GSM1900 EGPRS 4TS 661CH

**DUT: BE2012; Type: Smart Phone; Serial: e34a434a**

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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

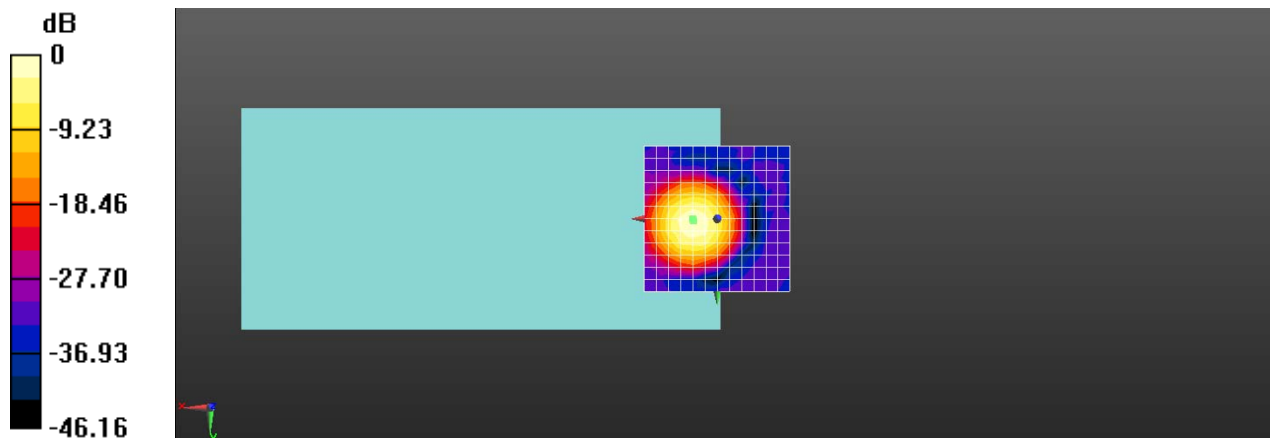
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 39.22 dB

ABM1 comp = 11.18 dBA/m

BWC Factor = 0.16 dB

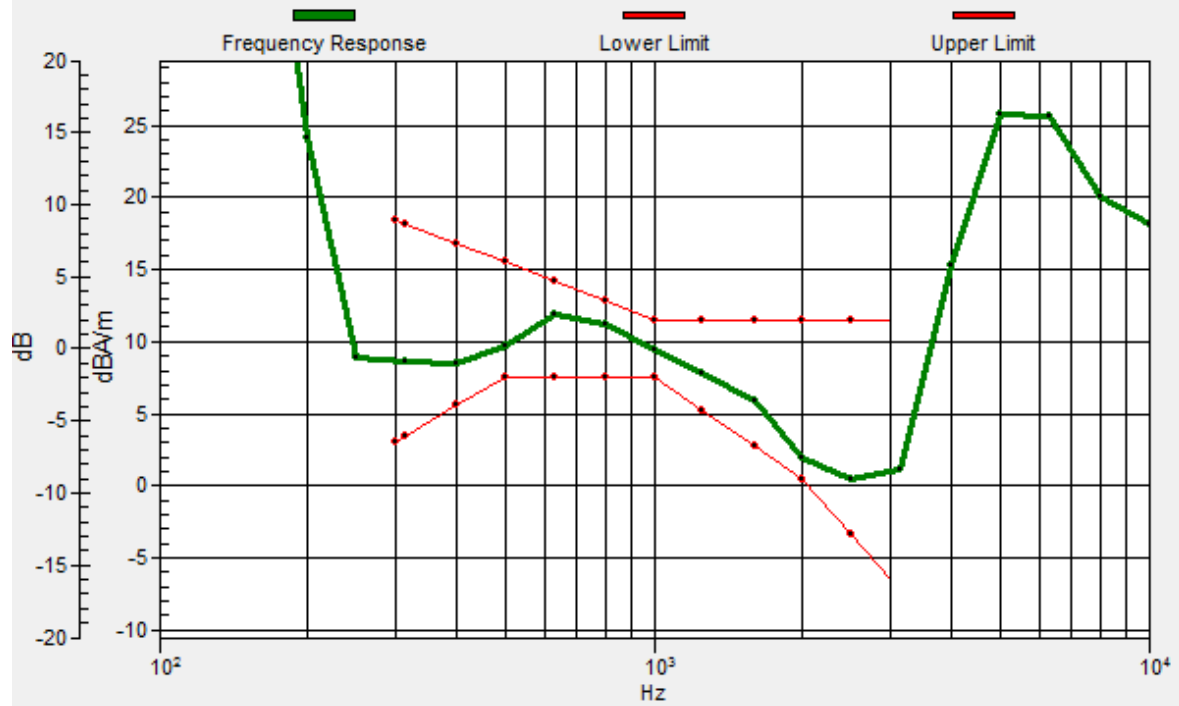
Location: 8.3, 0, 3.7 mm



0 dB = 91.42 = 39.22 dB

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

Loc: 8.3, 0.6, 3.7 mm Diff: 1.51dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-GSM1900 EGPRS 4TS 661CH

**DUT: BE2012; Type: Smart Phone; Serial: e34a434a**

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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

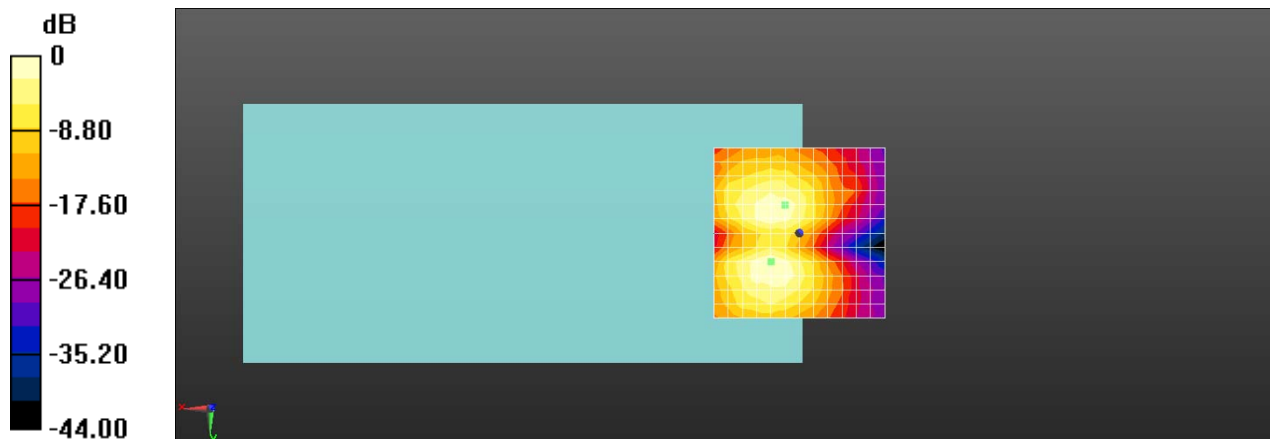
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 40.59 dB

ABM1 comp = 1.54 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 107.0 = 40.59 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band II AMR Voice 9400CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

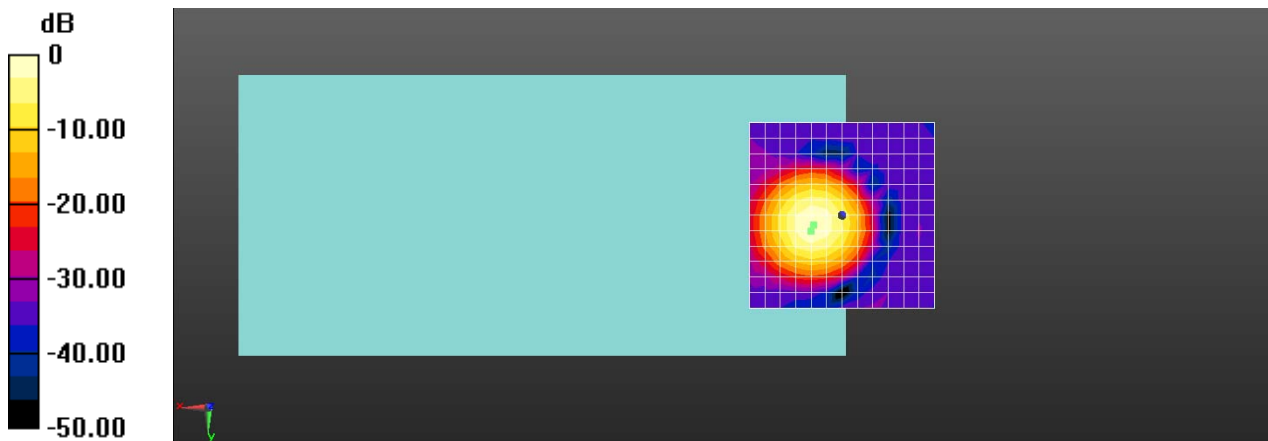
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 50.32 dB

ABM1 comp = 16.97 dBA/m

BWC Factor = 0.16 dB

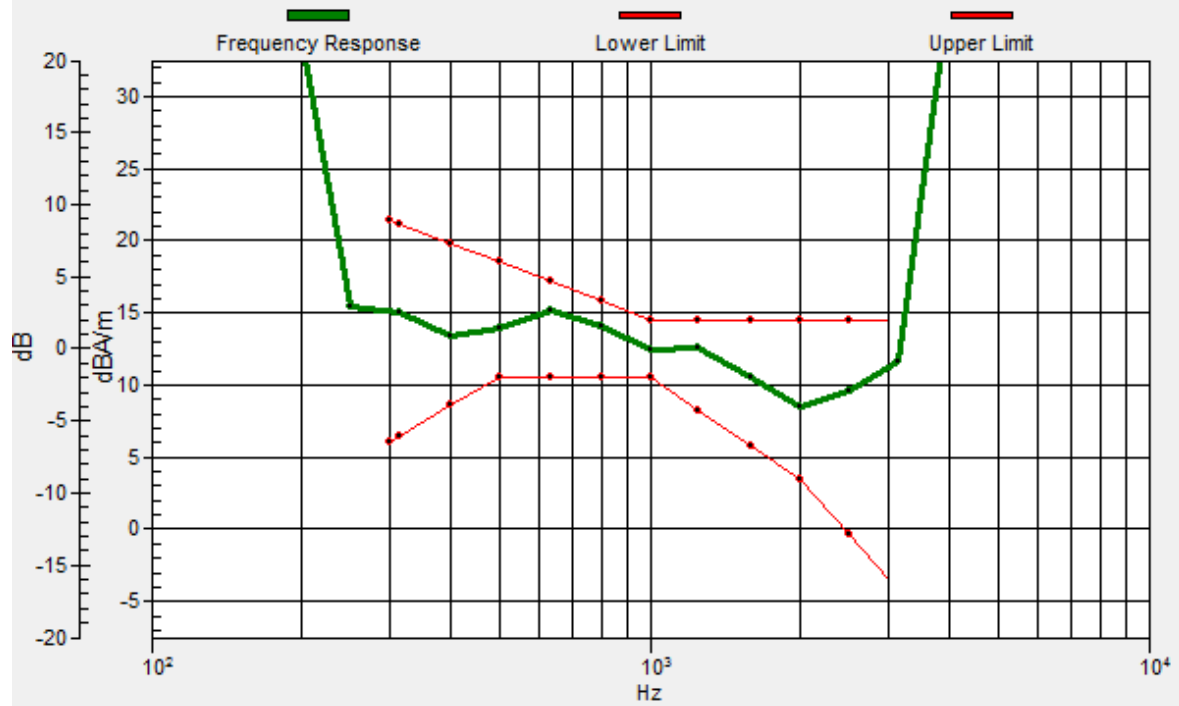
Location: 8.3, 4.2, 3.7 mm



0 dB = 328.1 = 50.32 dB

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

Loc: 7.8, 2.7, 3.7 mm Diff: 1.66dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band II AMR Voice 9400CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

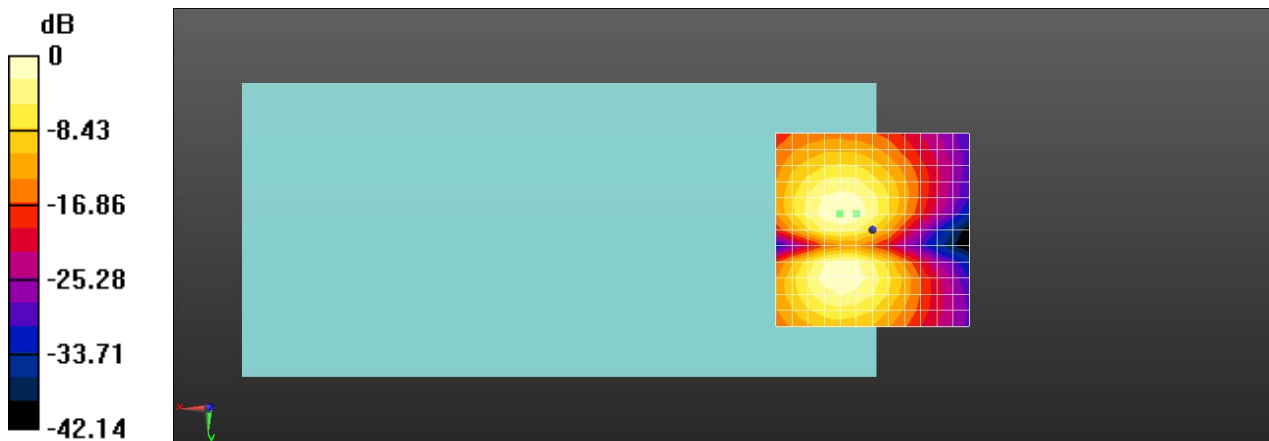
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 46.94 dB

ABM1 comp = 7.65 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -4.2, 3.7 mm



0 dB = 222.2 = 46.93 dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band II HSPA 9400CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

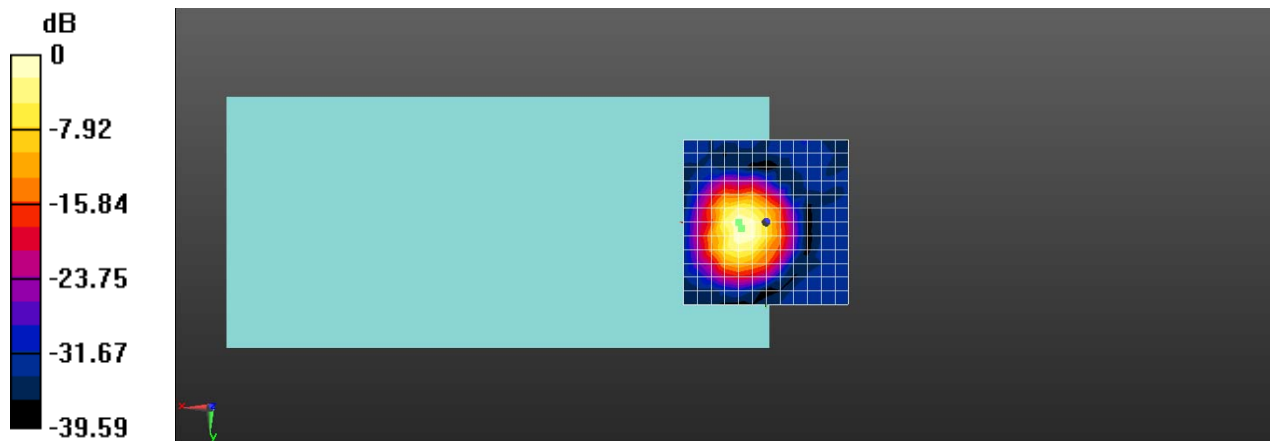
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 31.59 dB

ABM1 comp = 3.10 dBA/m

BWC Factor = 0.15 dB

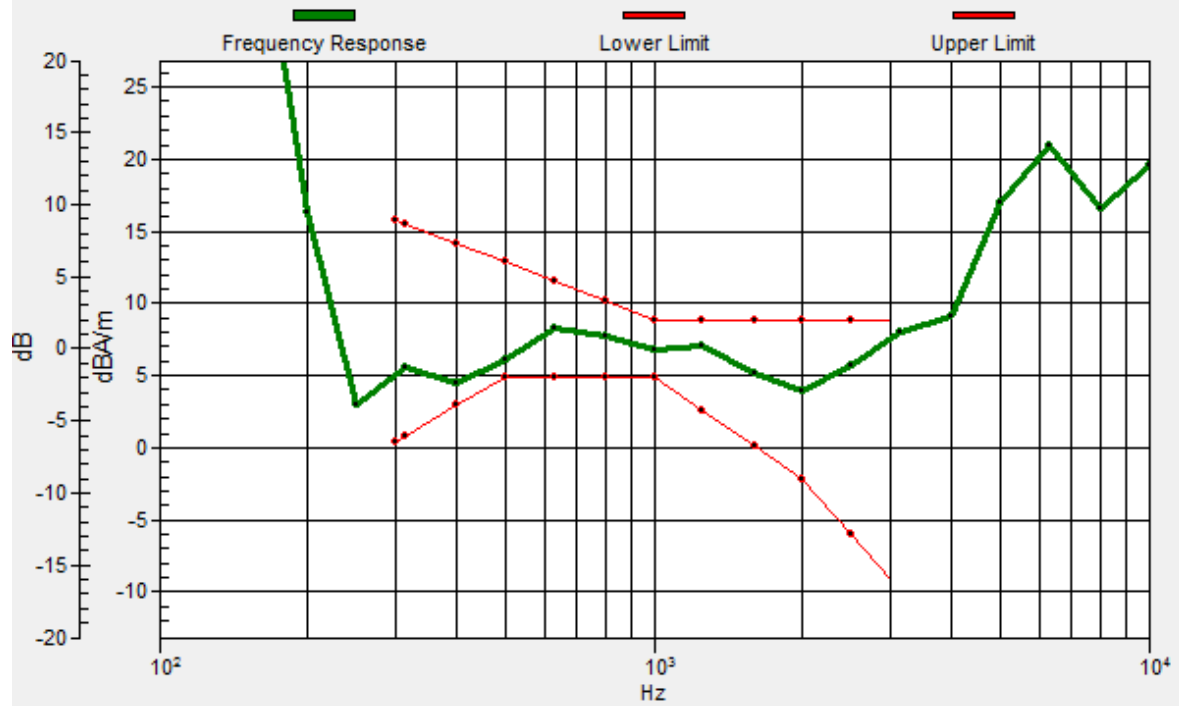
Location: 8.3, 0, 3.7 mm



0 dB = 37.96 = 31.59 dB

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

Loc: 7.5, 1.8, 3.7 mm Diff: 1.19dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band II HSPA 9400CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

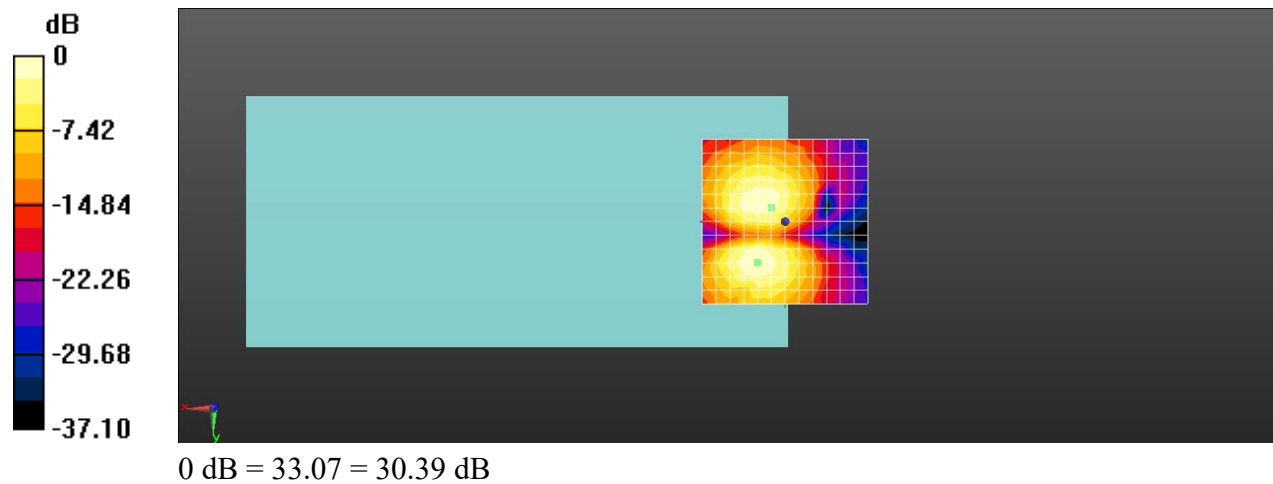
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 30.39 dB

ABM1 comp = -6.59 dBA/m

BWC Factor = 0.15 dB

Location: 4.2, -4.2, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band IV AMR Voice 1412CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

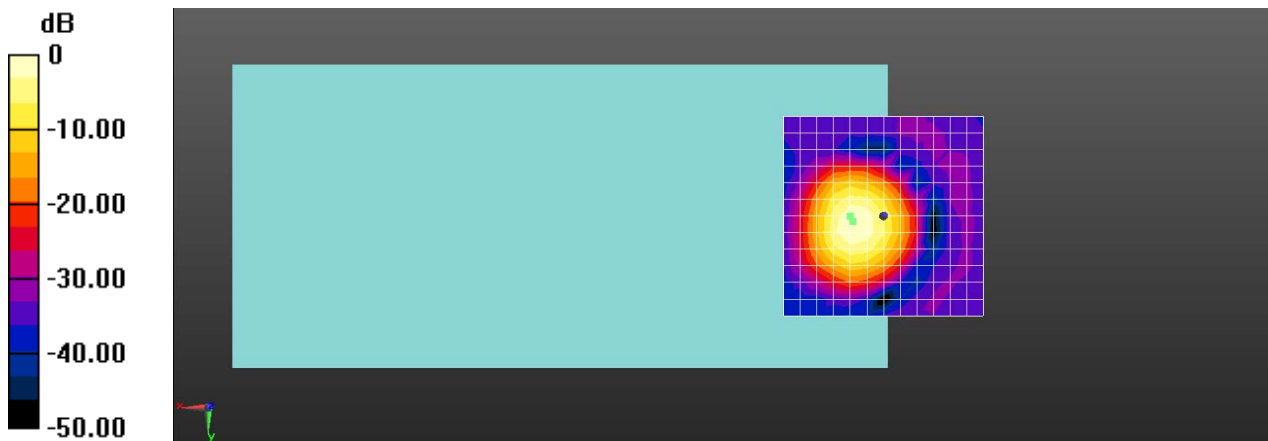
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 49.48 dB

ABM1 comp = 16.48 dBA/m

BWC Factor = 0.16 dB

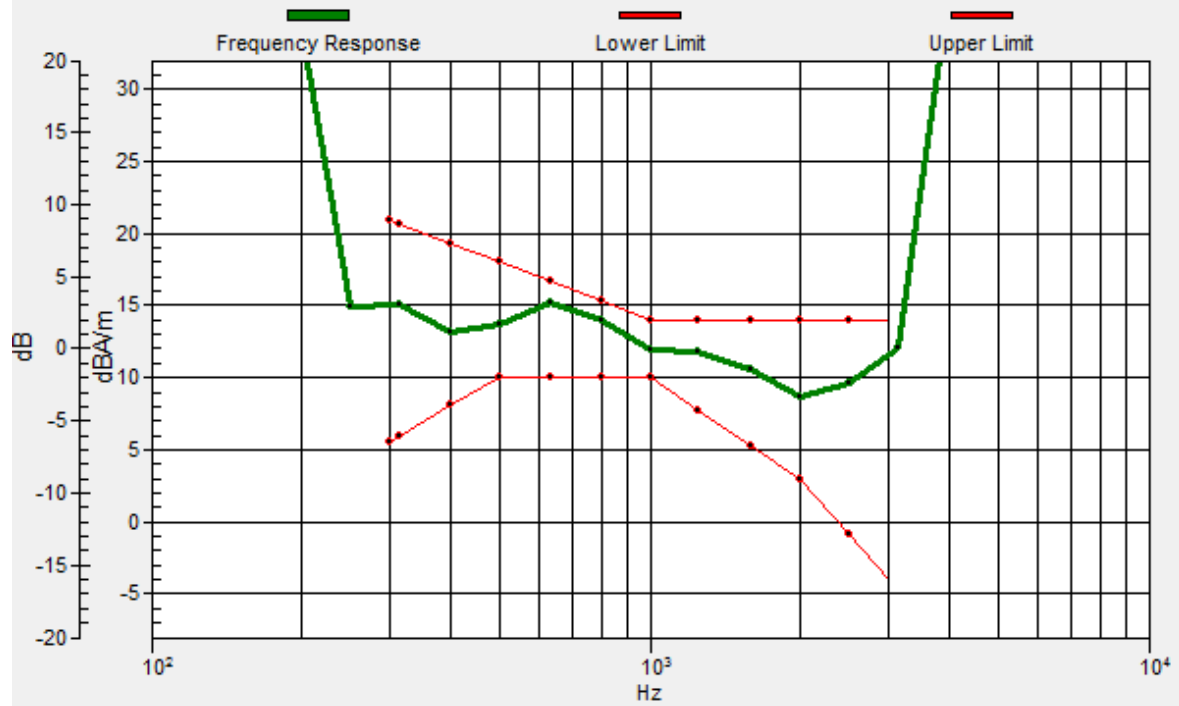
Location: 8.3, 0, 3.7 mm



0 dB = 297.9 = 49.48 dB

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

Loc: 7.6, 1.4, 3.7 mm Diff: 1.37dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band IV AMR Voice 1412CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

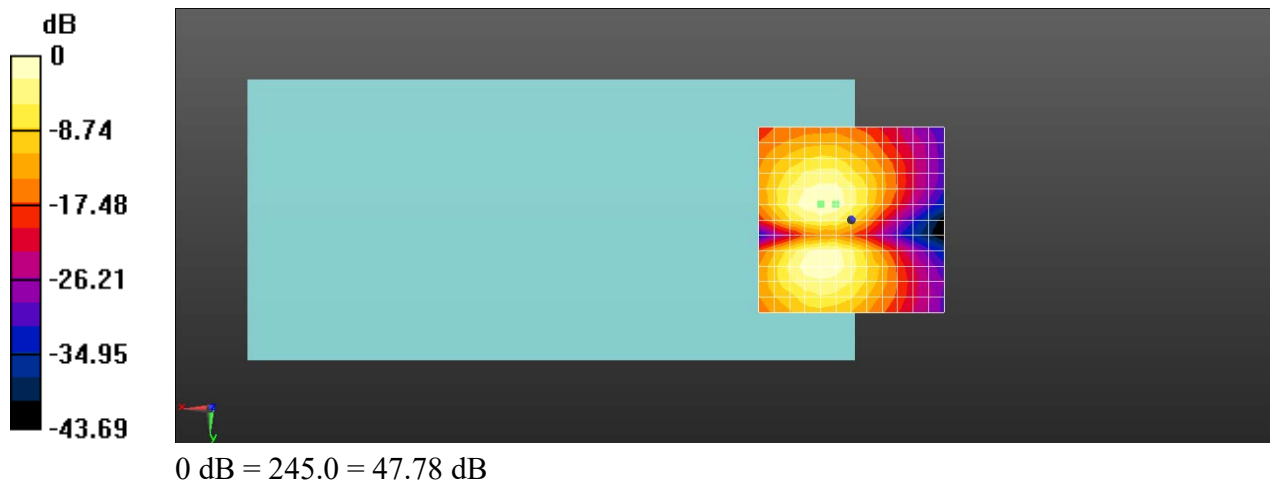
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 47.78 dB

ABM1 comp = 7.92 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -4.2, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band IV HSPA 1412CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

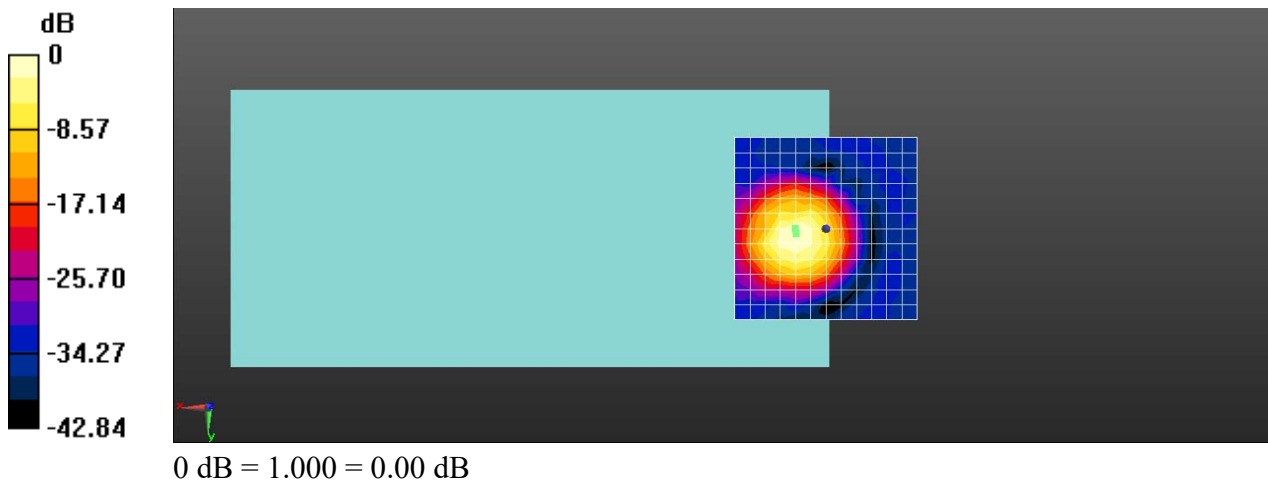
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 32.74 dB

ABM1 comp = 3.53 dBA/m

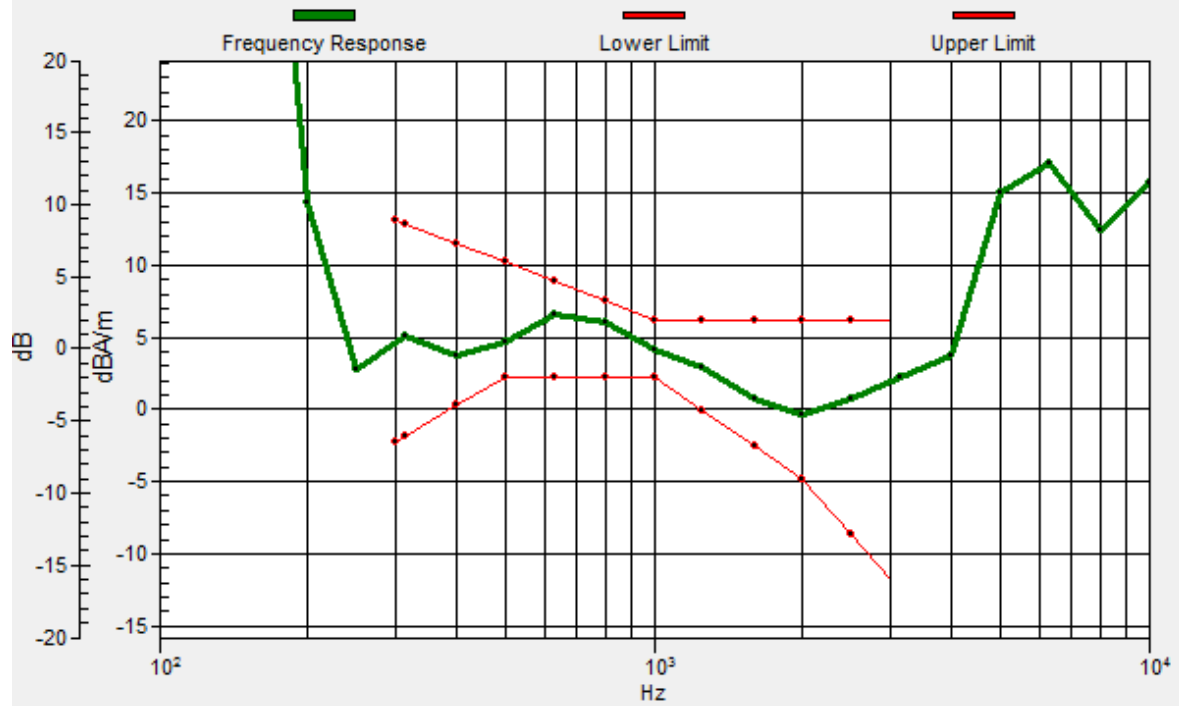
BWC Factor = 0.16 dB

Location: 8.3, 0, 3.7 mm



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

Loc: 8.1, 1.3, 3.7 mm Diff: 1.43dB





Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band IV HSPA 1412CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

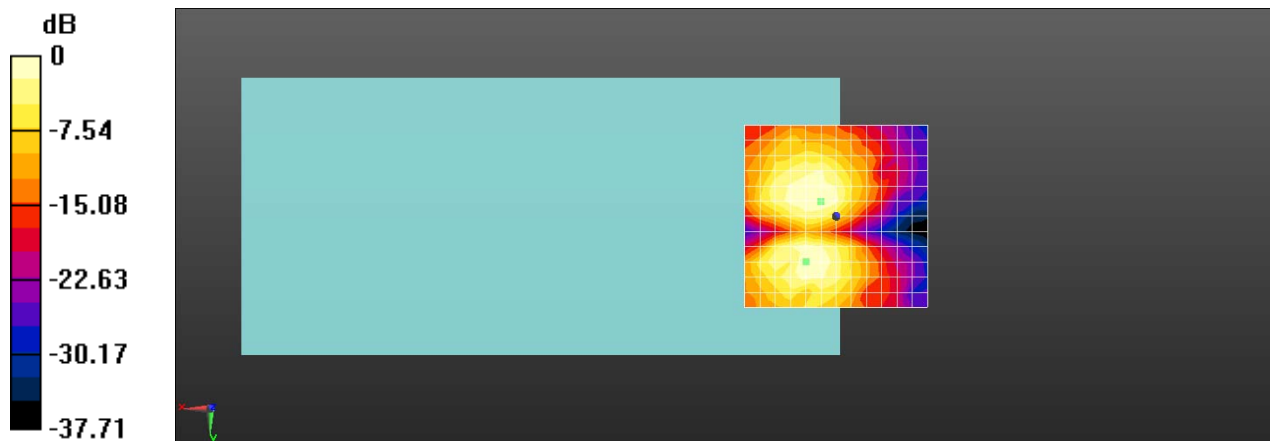
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 30.45 dB

ABM1 comp = -5.23 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -4.2, 3.7 mm



0 dB = 33.31 = 30.45 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band V AMR Voice 4182CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

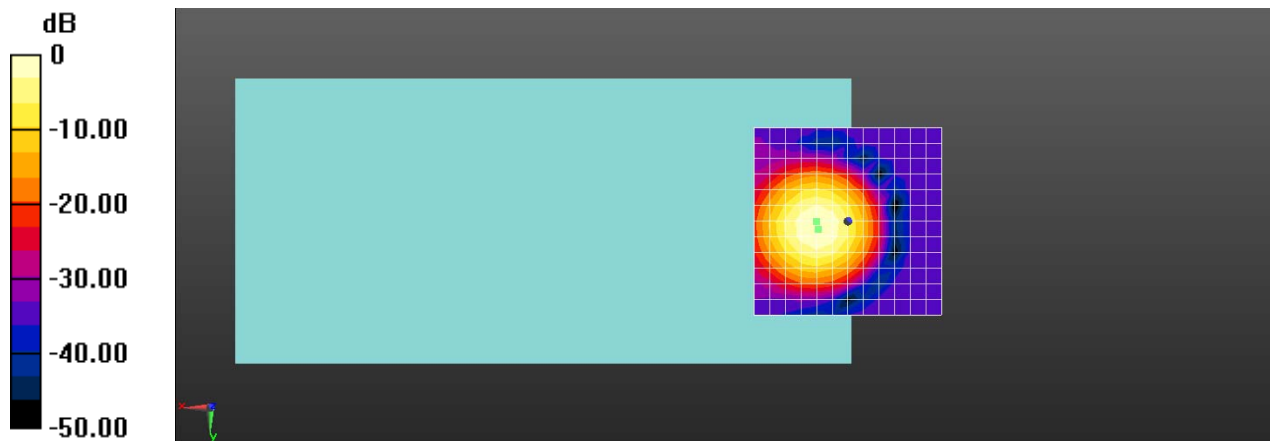
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 47.39 dB

ABM1 comp = 16.37 dBA/m

BWC Factor = 0.16 dB

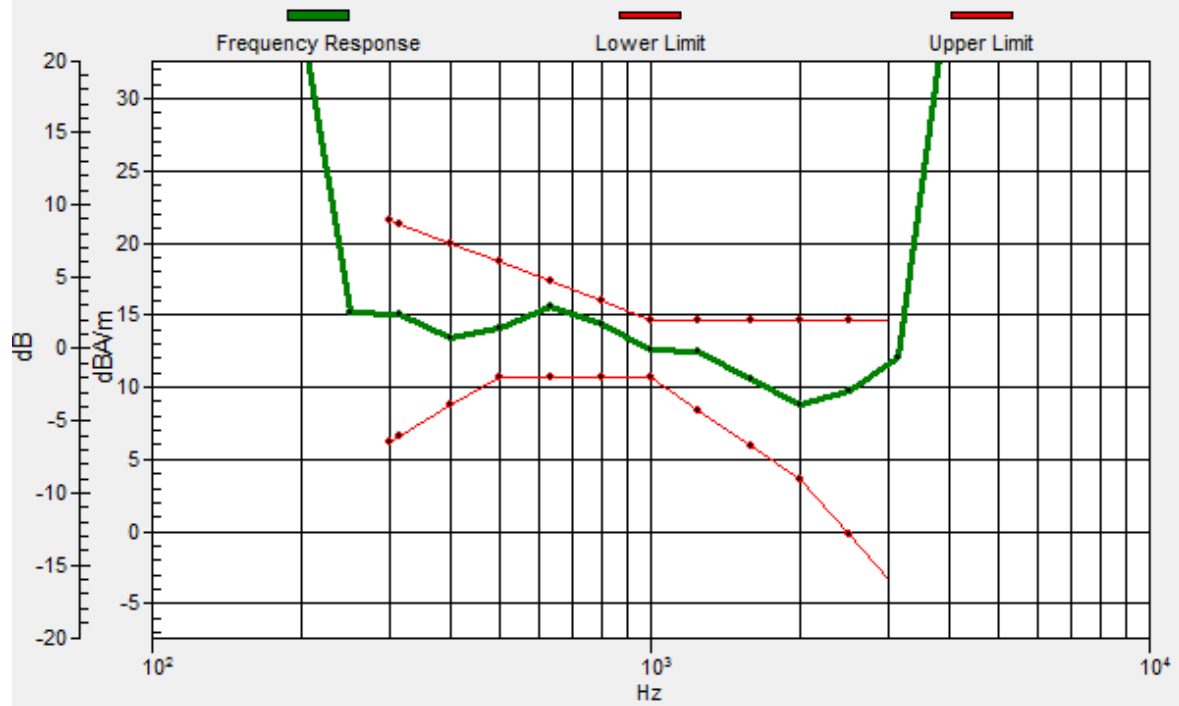
Location: 8.3, 0, 3.7 mm



0 dB = 234.2 = 47.39 dB

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

Loc: 7.8, 2, 3.7 mm Diff: 1.61dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band V AMR Voice 4182CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

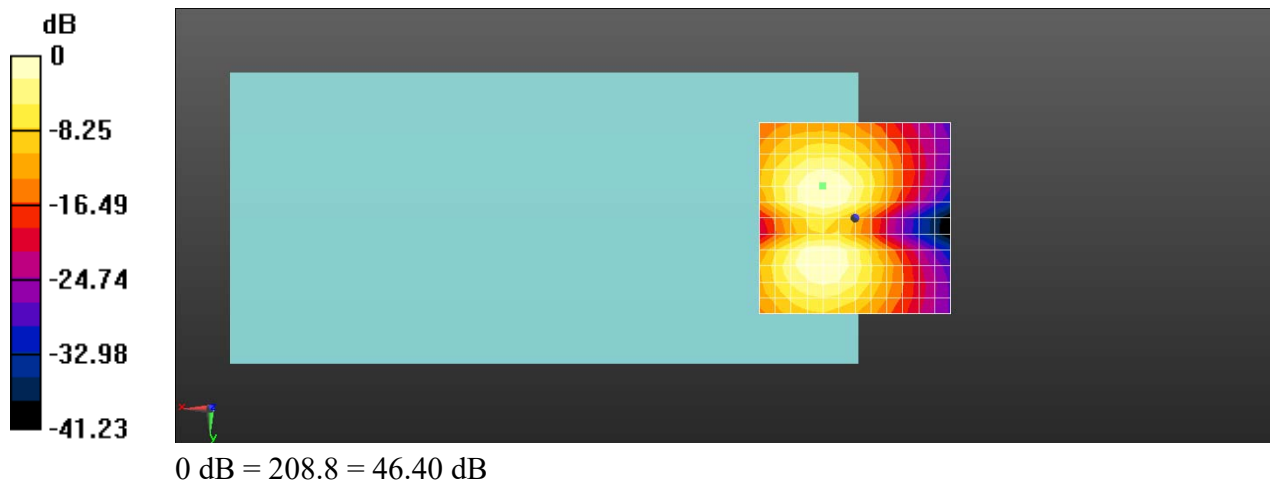
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 46.40 dB

ABM1 comp = 7.94 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -8.3, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band V HSPA 4182CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

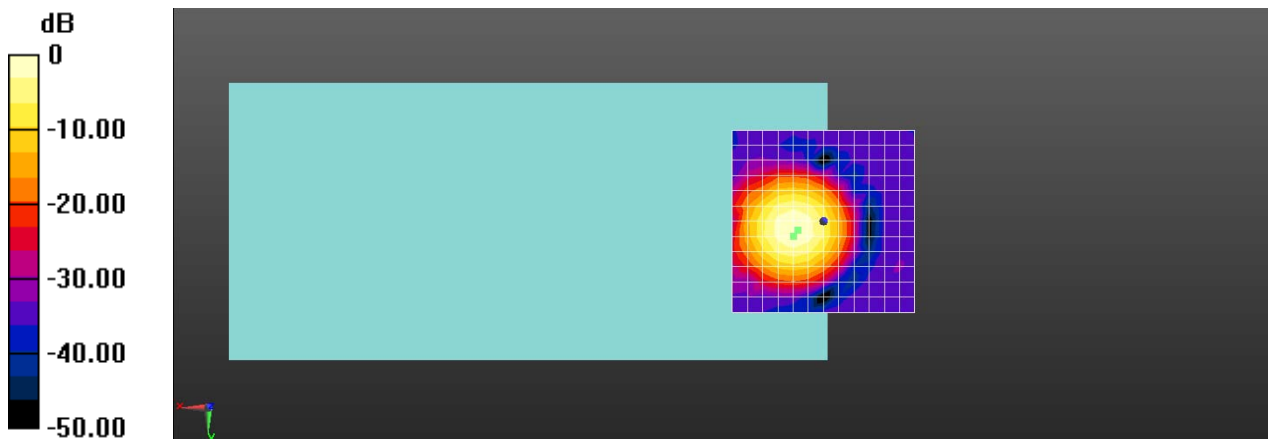
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 41.53 dB

ABM1 comp = 11.23 dBA/m

BWC Factor = 0.16 dB

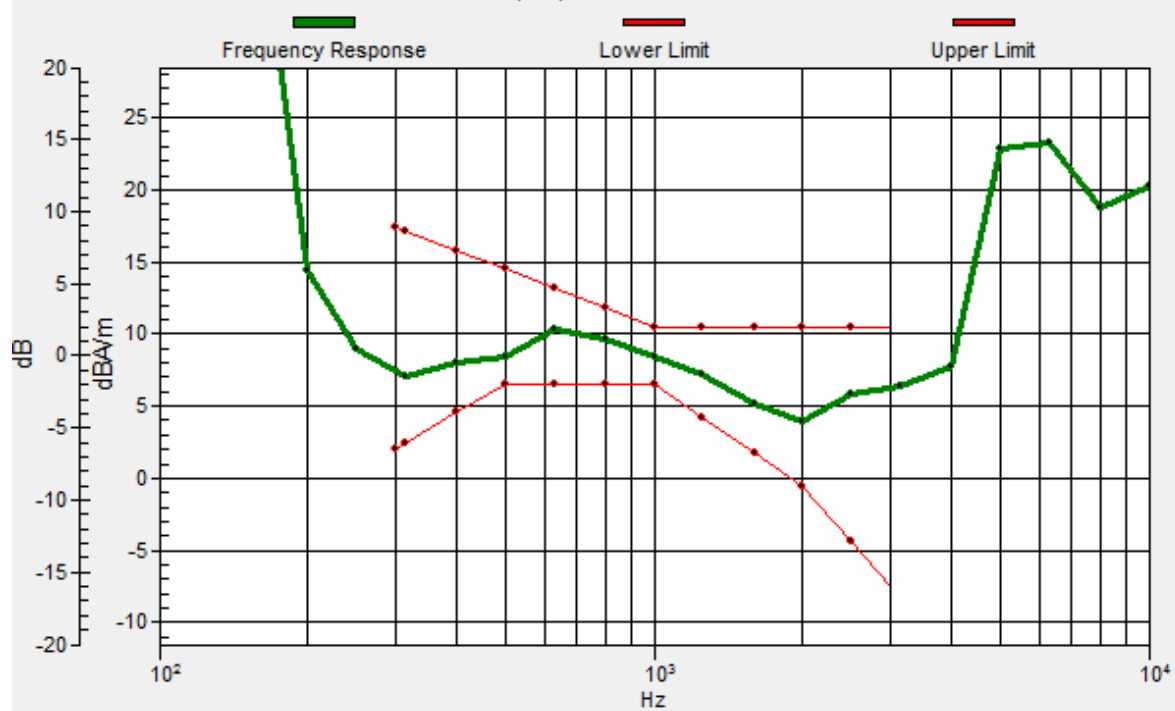
Location: 8.3, 4.2, 3.7 mm



0 dB = 119.3 = 41.53 dB

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

Loc: 7.1, 2.5, 3.7 mm Diff: 1.96dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WCDMA Band V HSPA 4182CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

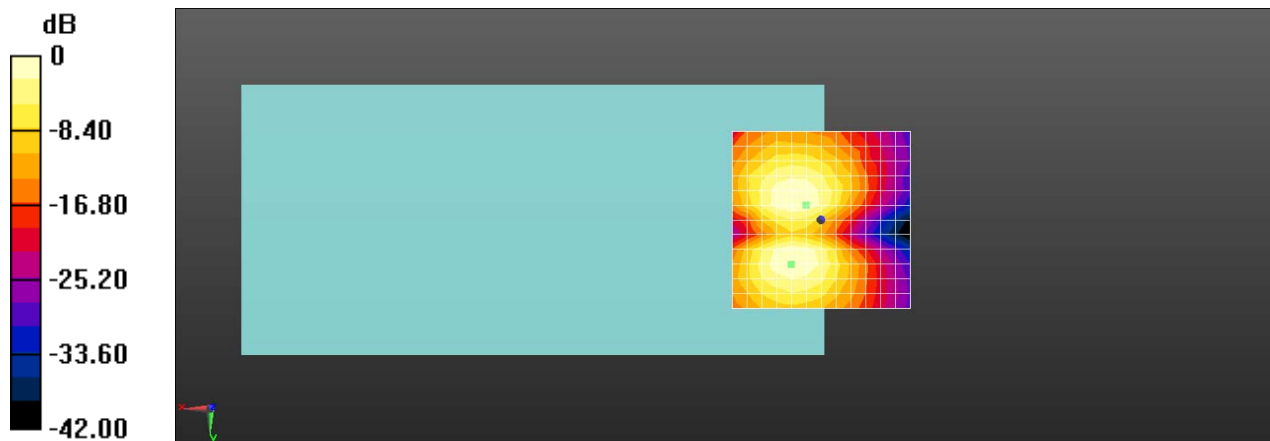
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 39.87 dB

ABM1 comp = 2.47 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -4.2, 3.7 mm



0 dB = 98.56 = 39.87 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CDMA BC0 RC3 SO68 384CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

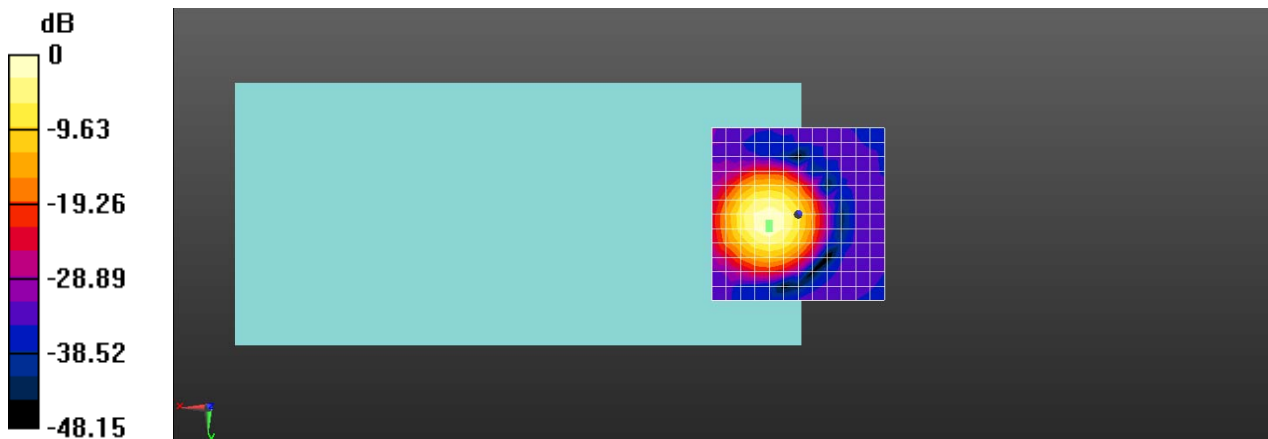
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.25 dB

ABM1 comp = 15.10 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 4.2, 3.7 mm

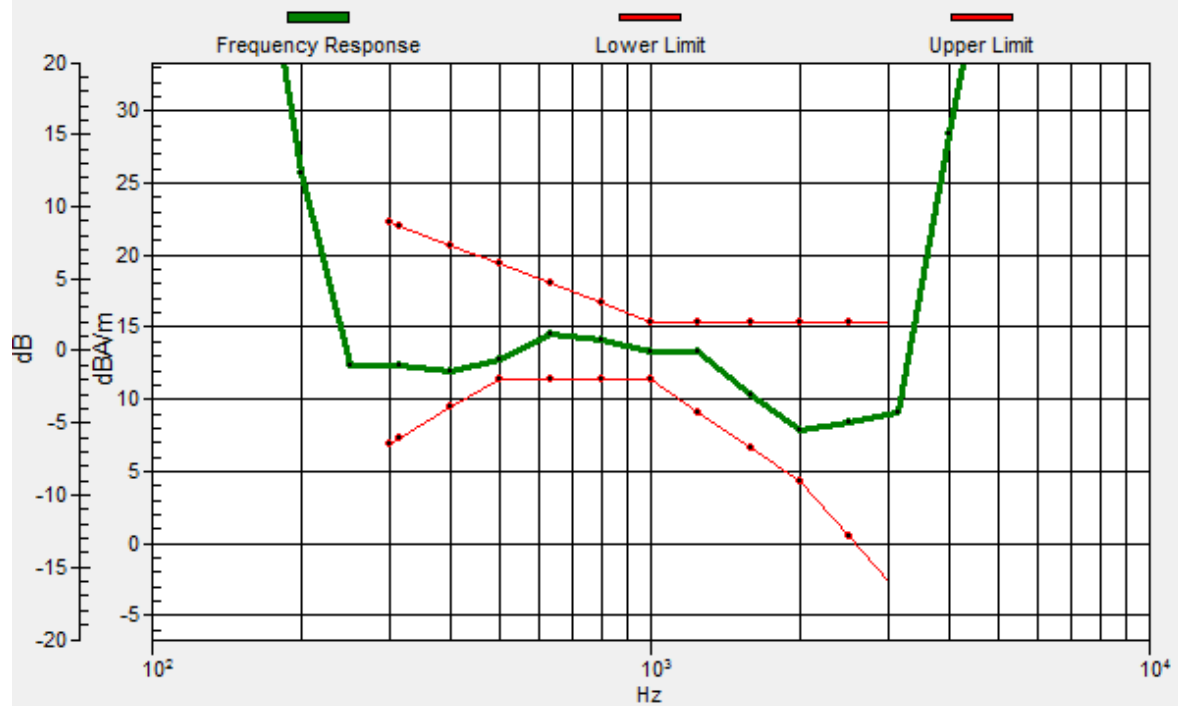


0 dB = 183.0 = 45.25 dB



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

Loc: 8.4, 2.5, 3.7 mm Diff: 1.34dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CDMA BC0 RC3 SO68 384CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

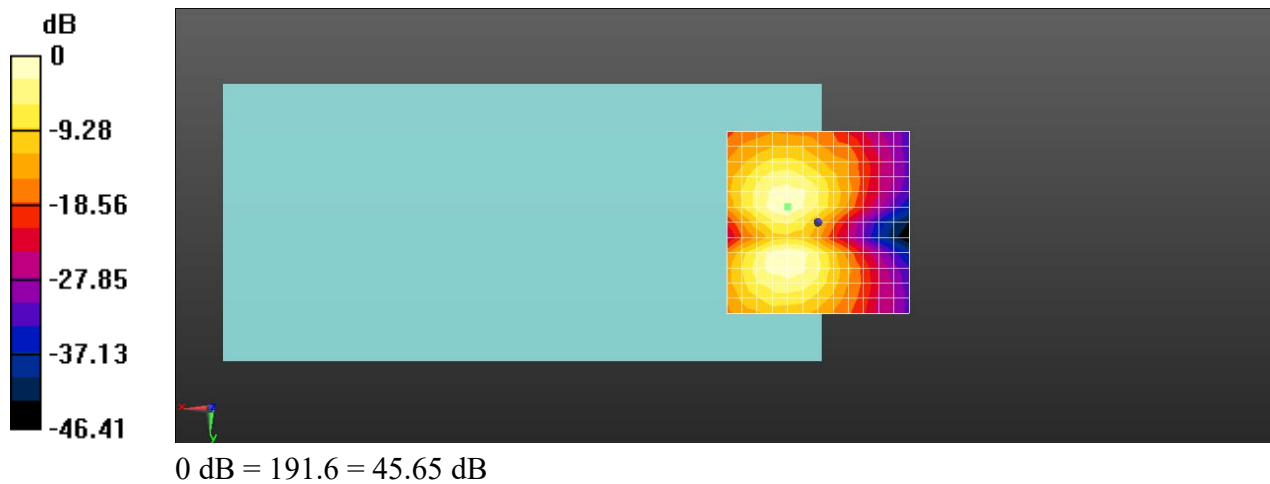
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.65 dB

ABM1 comp = 6.67 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -4.2, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CMDA BC0 EVDO RTAP 153.6kbps 384CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

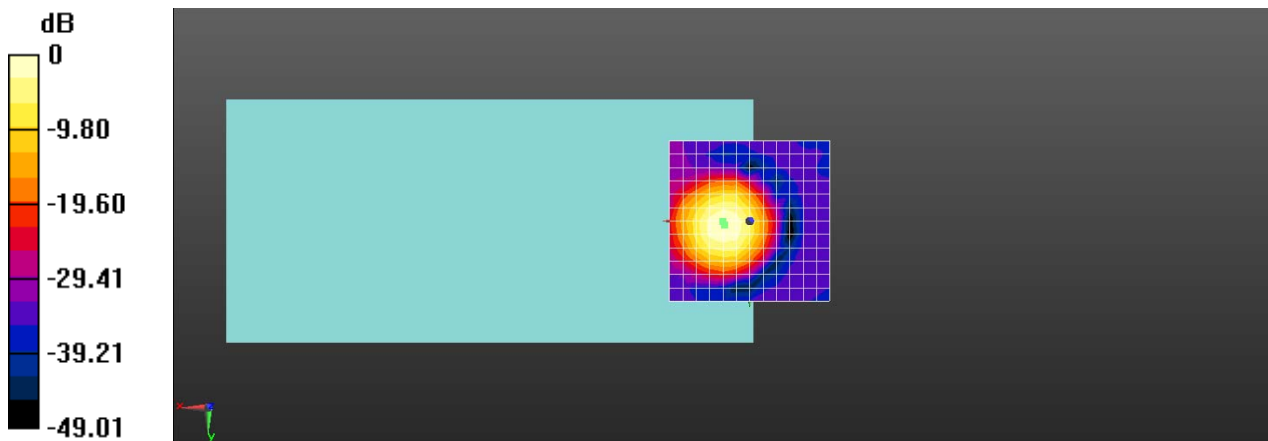
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 42.47 dB

ABM1 comp = 12.55 dBA/m

BWC Factor = 0.17 dB

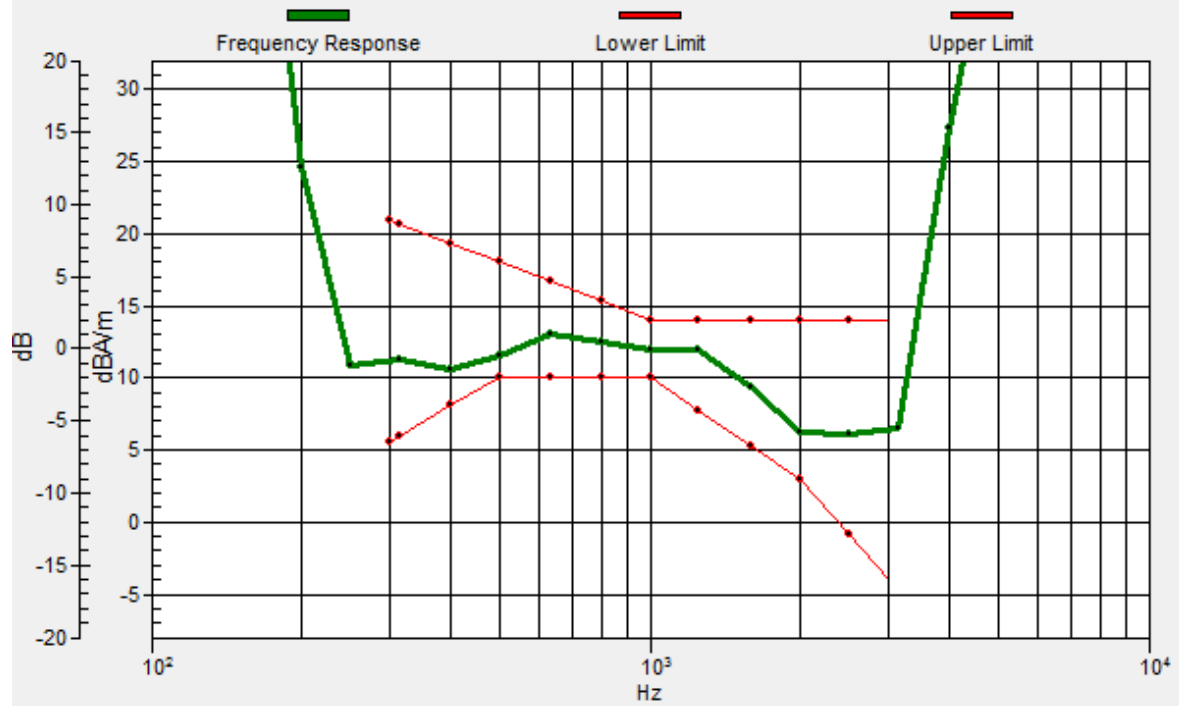
Location: 8.3, 0, 3.7 mm



0 dB = 132.9 = 42.47 dB

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

Loc: 7.9, 1.3, 3.7 mm Diff: 1.56dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CMDA BC0 EVDO RTAP 153.6kbps 384CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

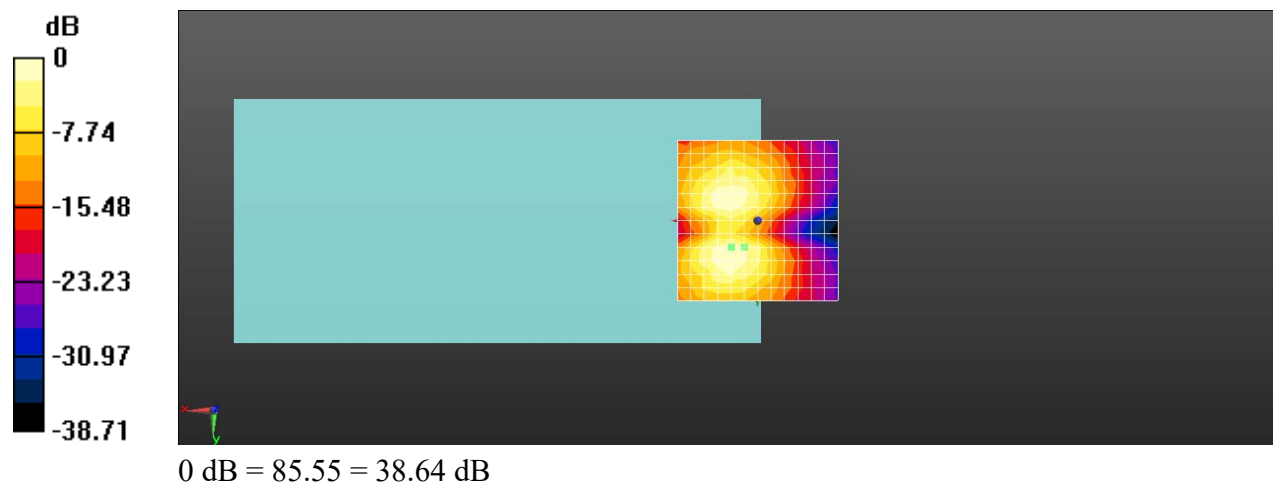
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.64 dB

ABM1 comp = 2.54 dBA/m

BWC Factor = 0.17 dB

Location: 4.2, 8.3, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CDMA BC1 RC3 SO68 600CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

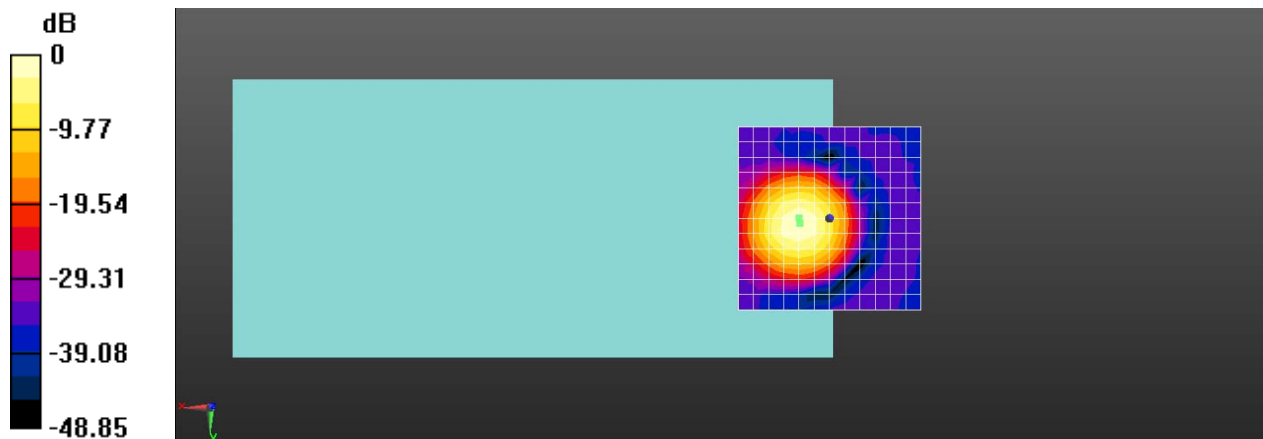
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 46.42 dB

ABM1 comp = 14.80 dBA/m

BWC Factor = 0.16 dB

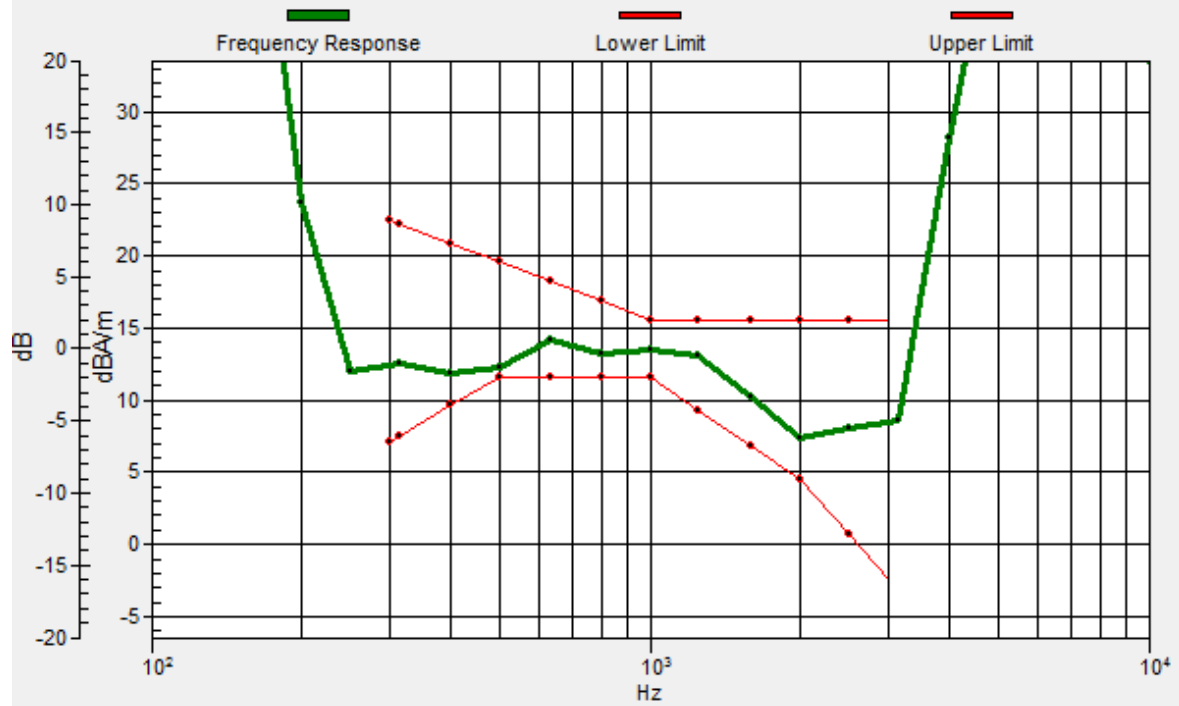
Location: 8.3, 0, 3.7 mm



0 dB = 209.3 = 46.42 dB

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

Loc: 8.1, 1.4, 3.7 mm Diff: 0.64dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CDMA BC1 RC3 SO68 600CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

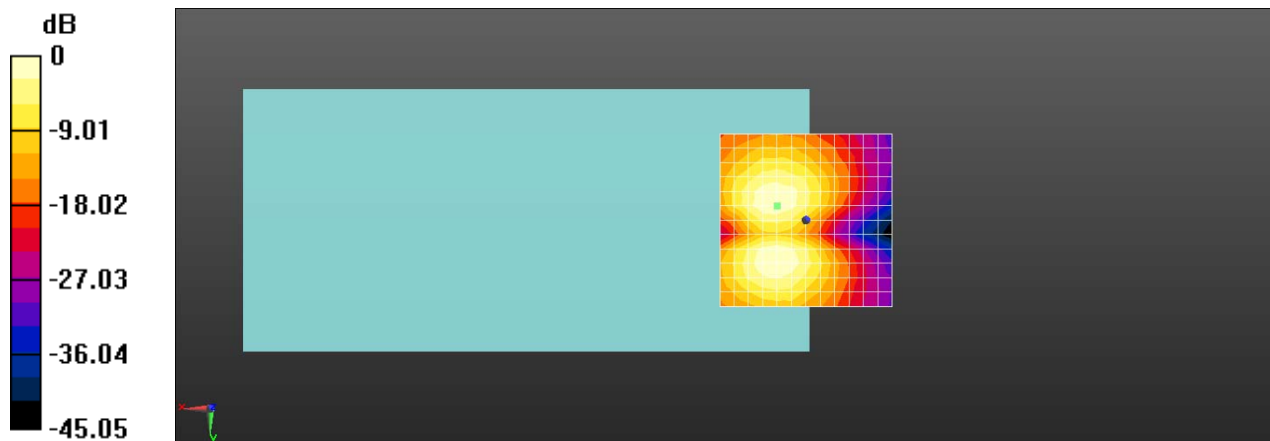
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.64 dB

ABM1 comp = 6.48 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -4.2, 3.7 mm



0 dB = 170.6 = 44.64 dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CMDA BC1 EVDO RTAP 153.6kbps 600CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

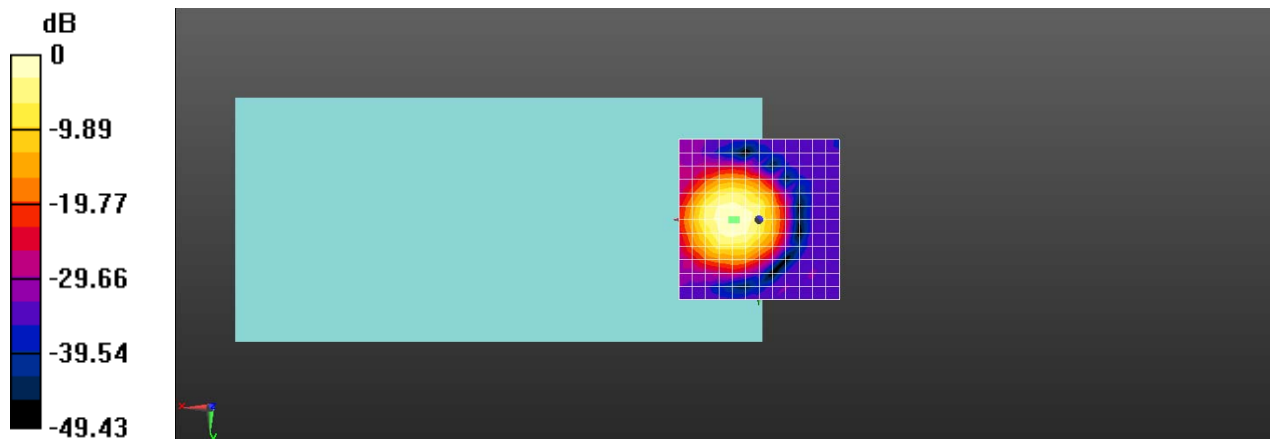
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 43.89 dB

ABM1 comp = 12.21 dBA/m

BWC Factor = 0.18 dB

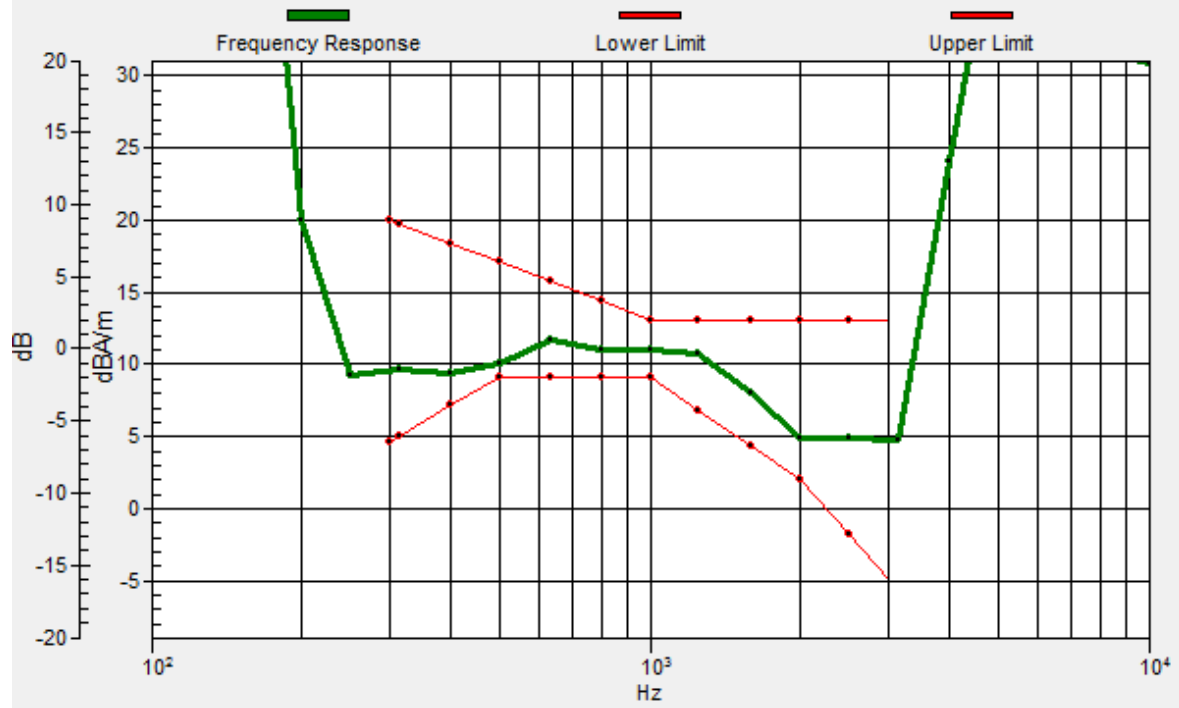
Location: 8.3, 0, 3.7 mm



0 dB = 156.5 = 43.89 dB

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

Loc: 7.1, 0.1, 3.7 mm Diff: 1.01dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CMDA BC1 EVDO RTAP 153.6kbps 600CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

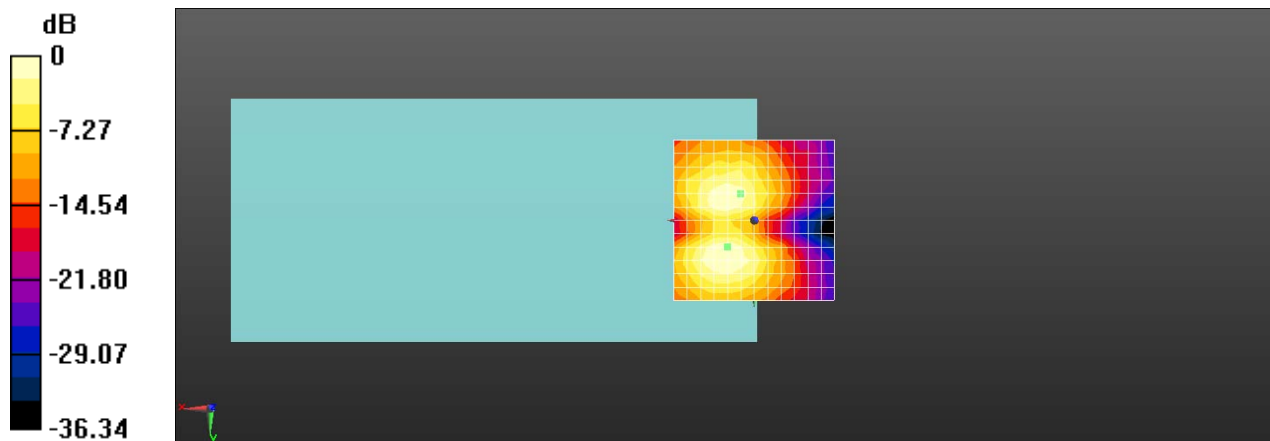
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.42 dB

ABM1 comp = 2.42 dBA/m

BWC Factor = 0.18 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 83.41 = 38.42 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CDMA BC10 RC3 SO68 580CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

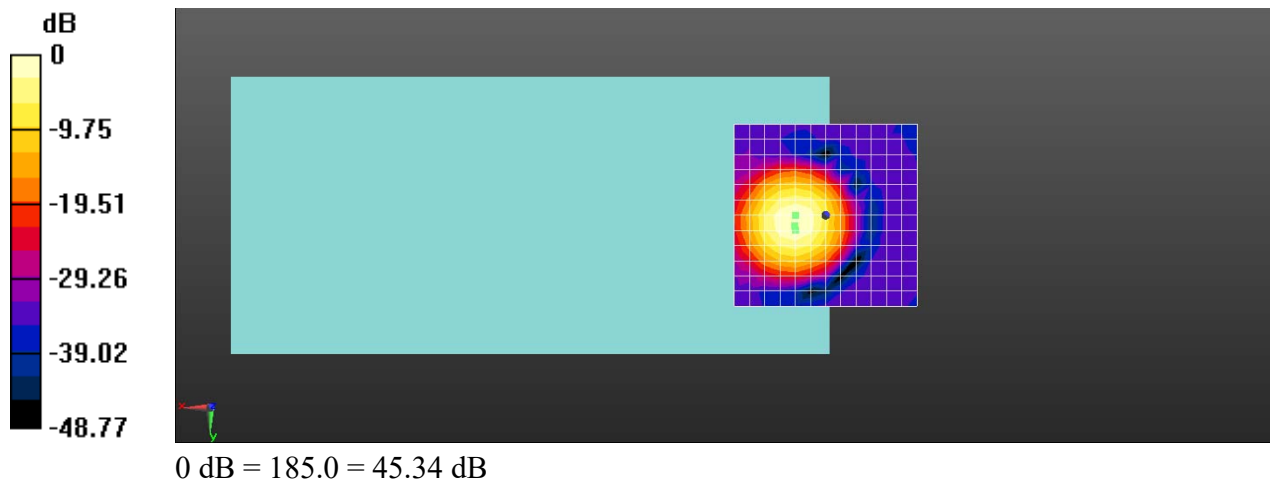
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.34 dB

ABM1 comp = 14.04 dBA/m

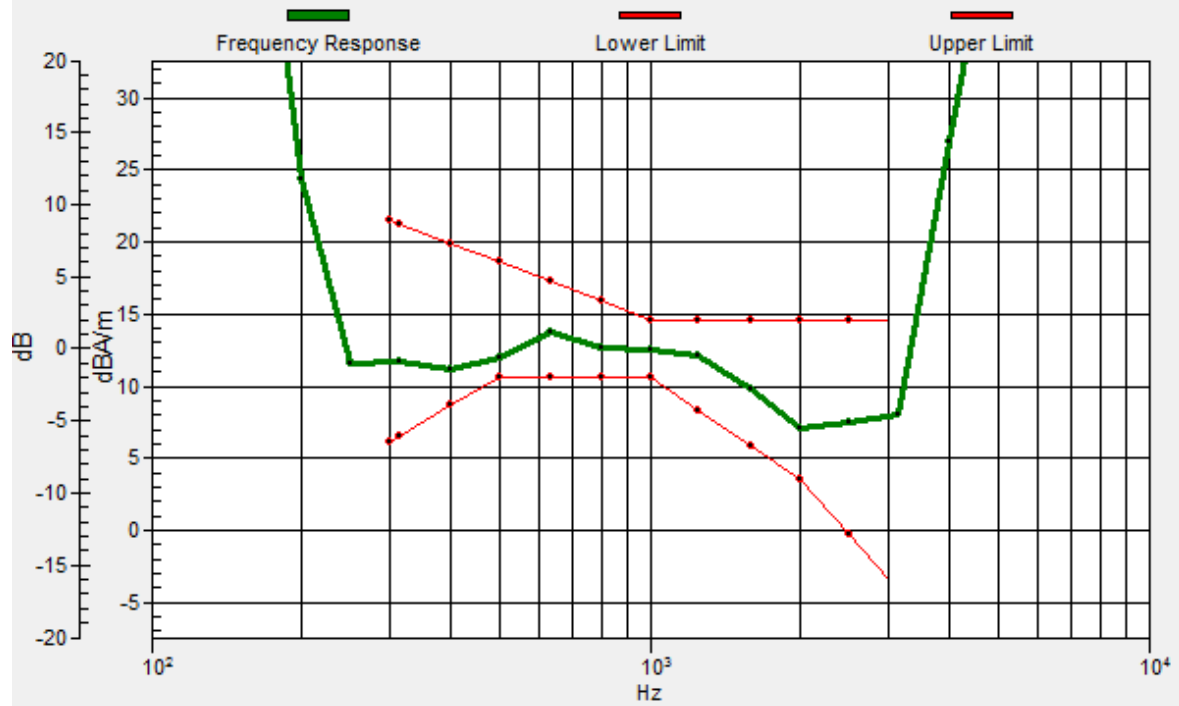
BWC Factor = 0.16 dB

Location: 8.3, 4.2, 3.7 mm



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

Loc: 8.5, 2.9, 3.7 mm Diff: 1.35dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CDMA BC10 RC3 SO68 580CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

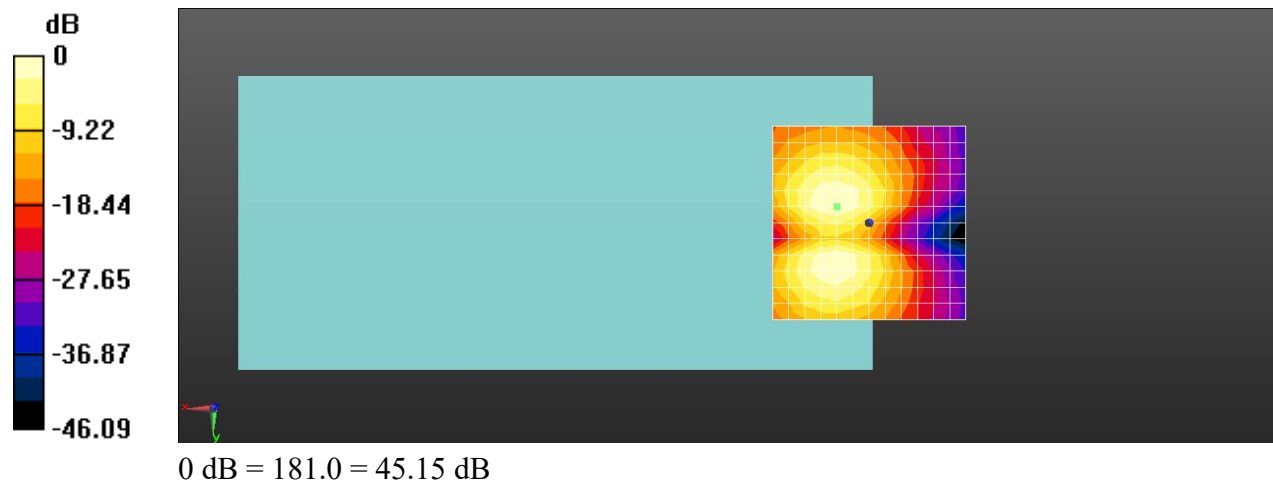
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.15 dB

ABM1 comp = 6.28 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, -4.2, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CMDA BC10 EVDO RTAP 153.6kbps 580CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

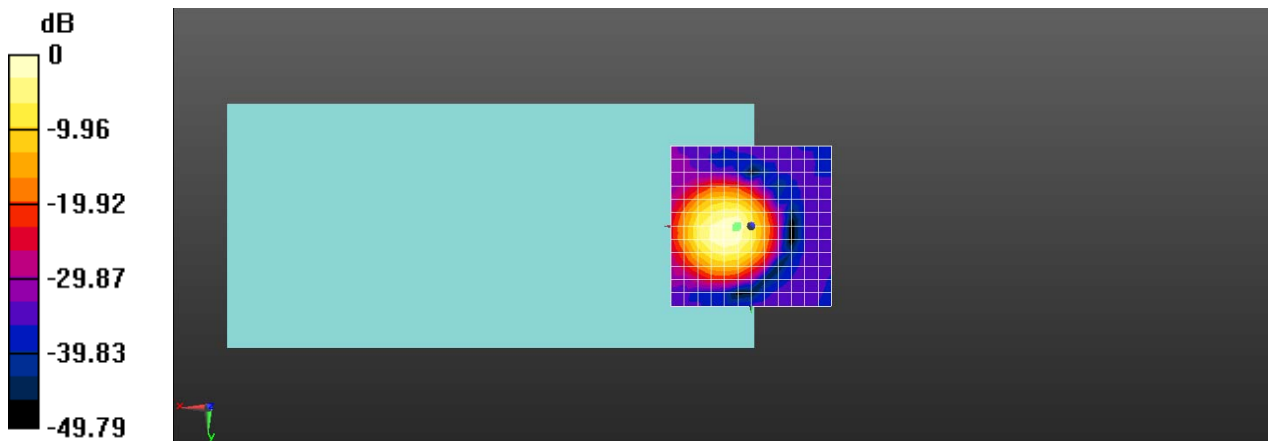
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 43.78 dB

ABM1 comp = 12.88 dBA/m

BWC Factor = 0.18 dB

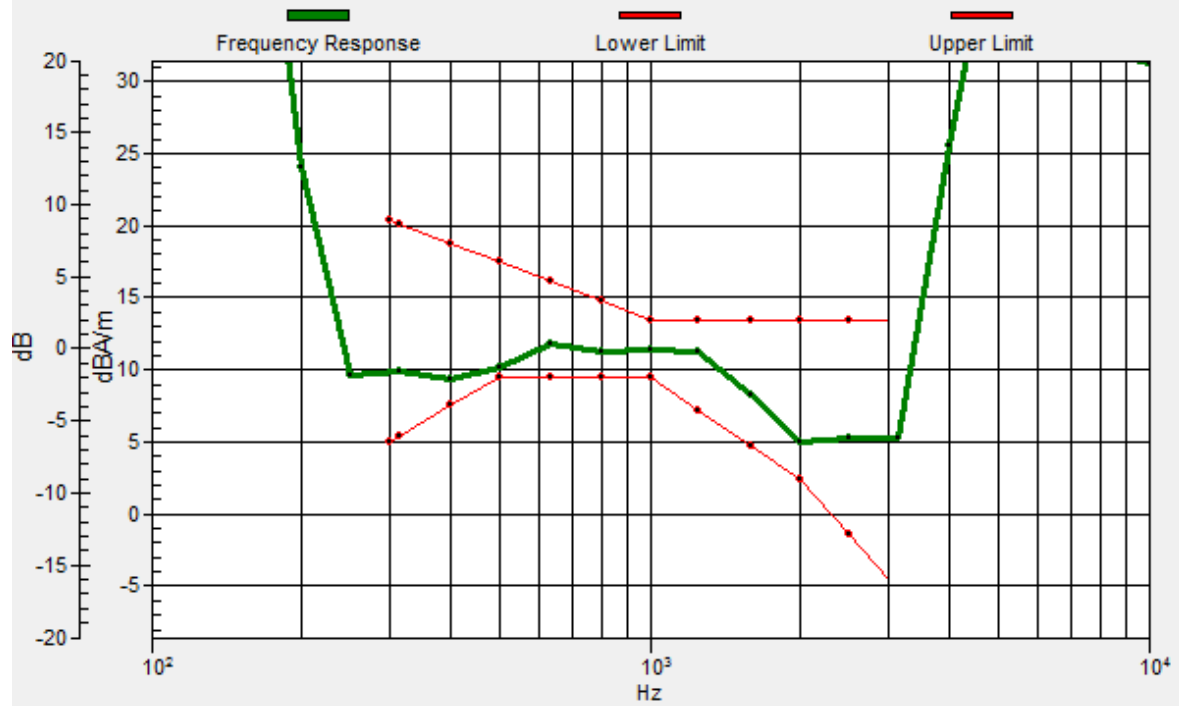
Location: 4.2, 0, 3.7 mm



0 dB = 154.6 = 43.78 dB

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

Loc: 4.8, 0.5, 3.7 mm Diff: 0.73dB





Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-CMDA BC10 EVDO RTAP 153.6kbps 580CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

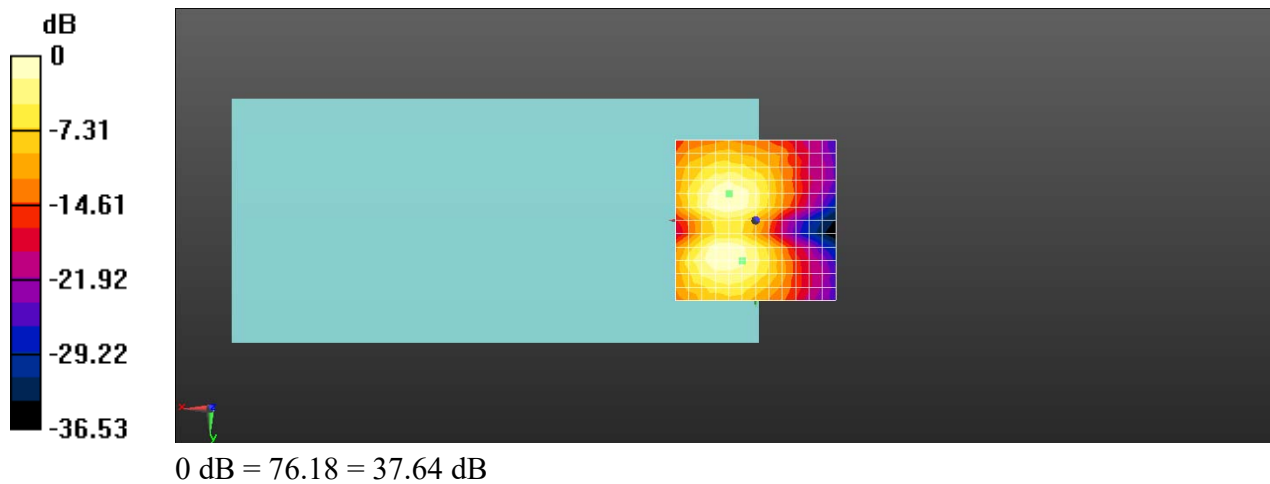
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.64 dB

ABM1 comp = 2.13 dBA/m

BWC Factor = 0.18 dB

Location: 4.2, 12.5, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 7 20M QPSK 1RB0 21100CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

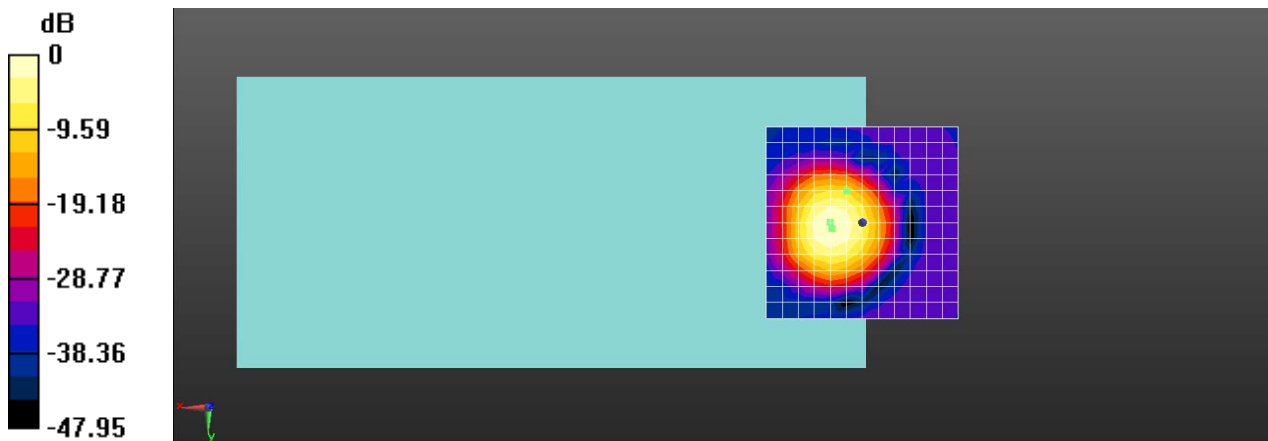
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.25 dB

ABM1 comp = 15.97 dBA/m

BWC Factor = 0.17 dB

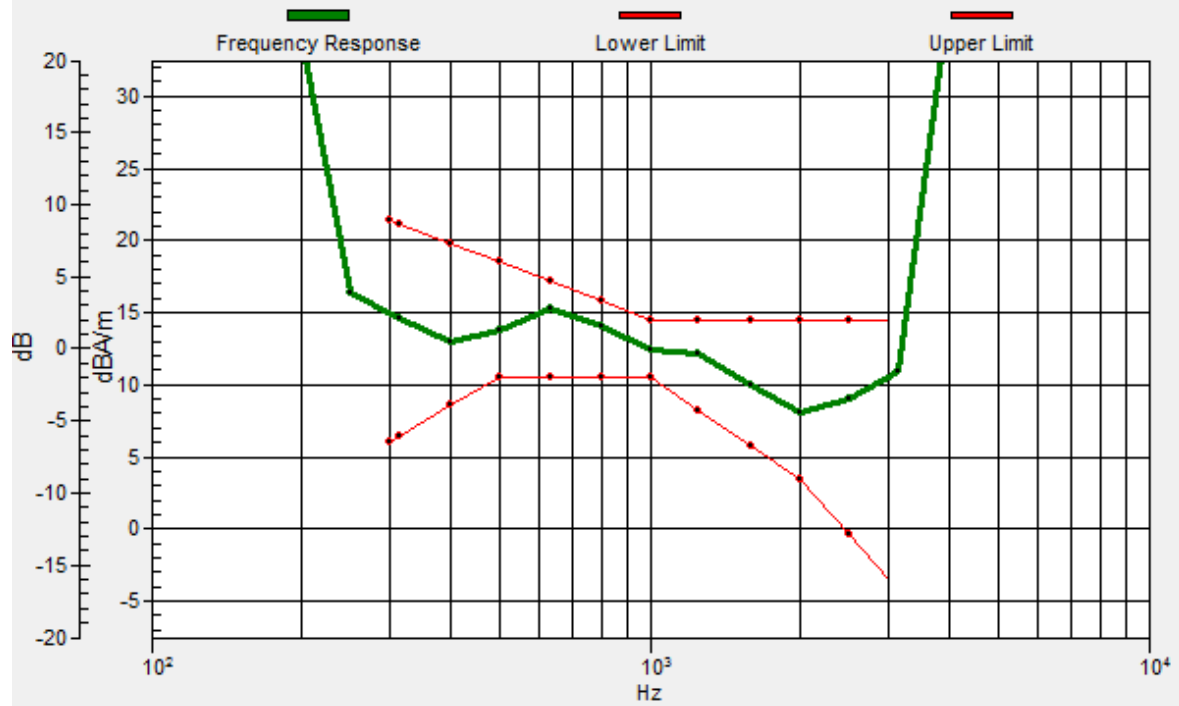
Location: 8.3, 0, 3.7 mm



0 dB = 183.1 = 45.25 dB

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

Loc: 8, 1.6, 3.7 mm Diff: 1.75dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 7 20M QPSK 1RB0 21100CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

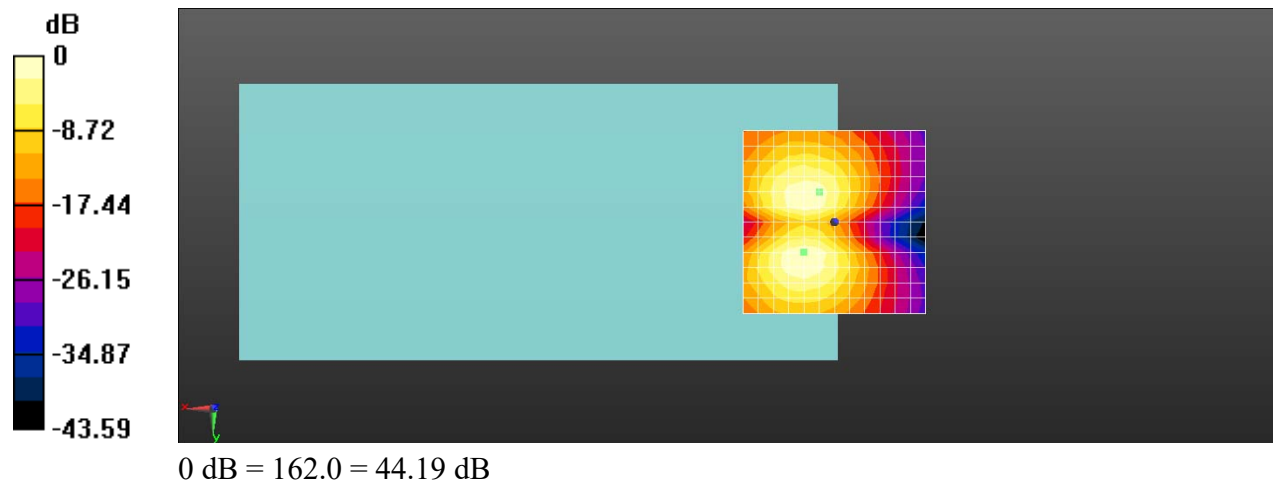
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.19 dB

ABM1 comp = 6.78 dBA/m

BWC Factor = 0.17 dB

Location: 4.2, -8.3, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 7 20M QPSK 1RB0 21100CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

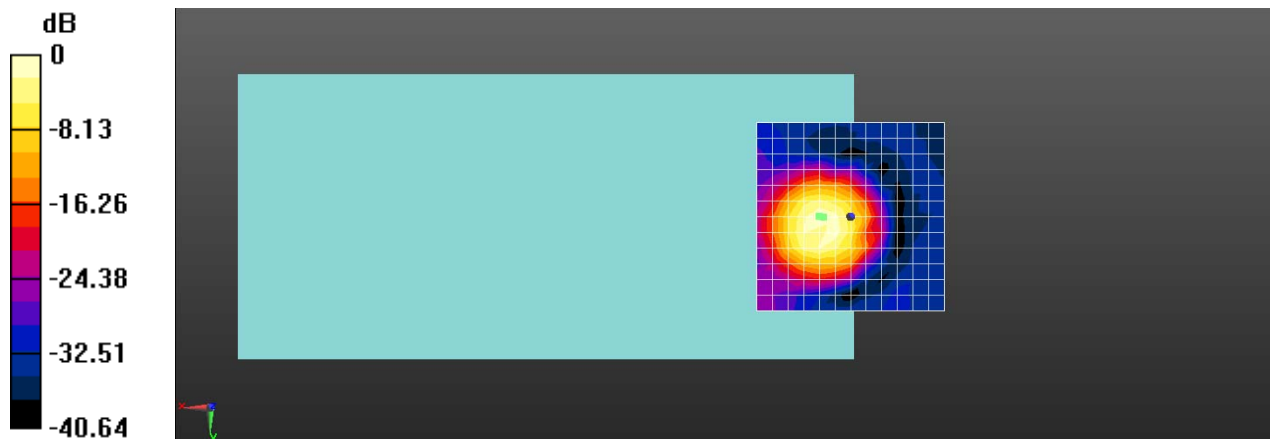
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 31.87 dB

ABM1 comp = 1.22 dBA/m

BWC Factor = 0.21 dB

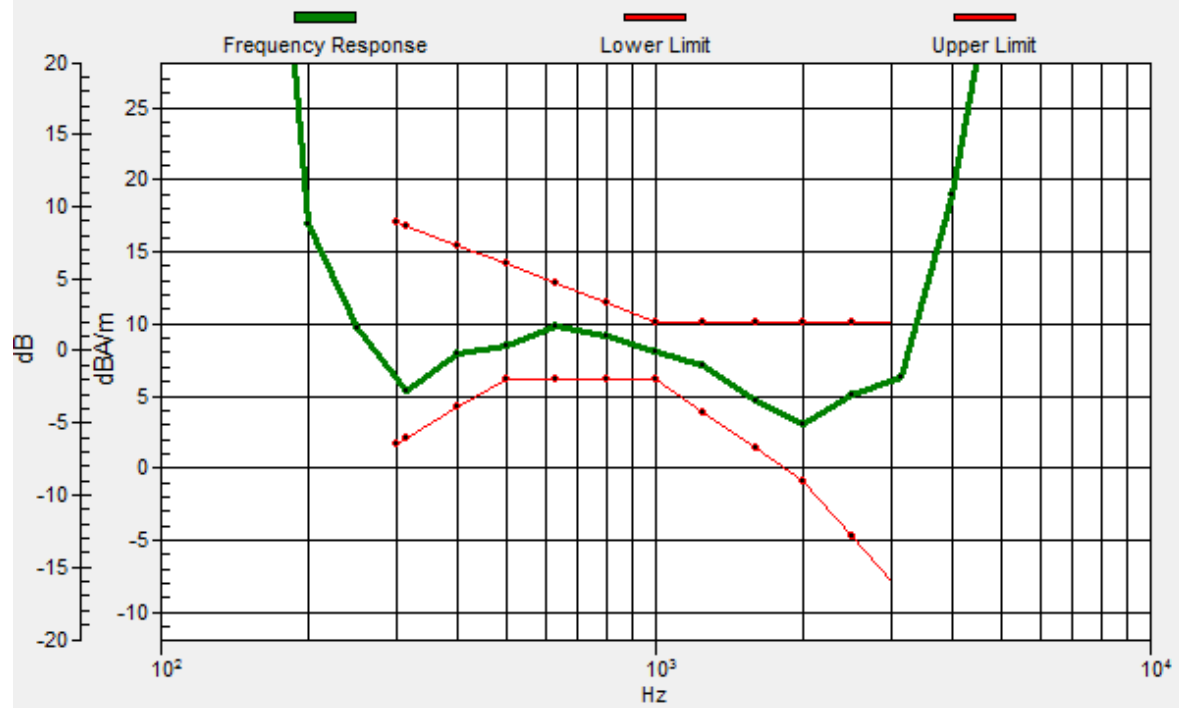
Location: 8.3, 0, 3.7 mm



0 dB = 39.24 = 31.87 dB

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

Loc: 7.3, 0.1, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 7 20M QPSK 1RB0 21100CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

Communication System: UID 0, LTE-FDD BW 20MHz (0); Frequency: 2535 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

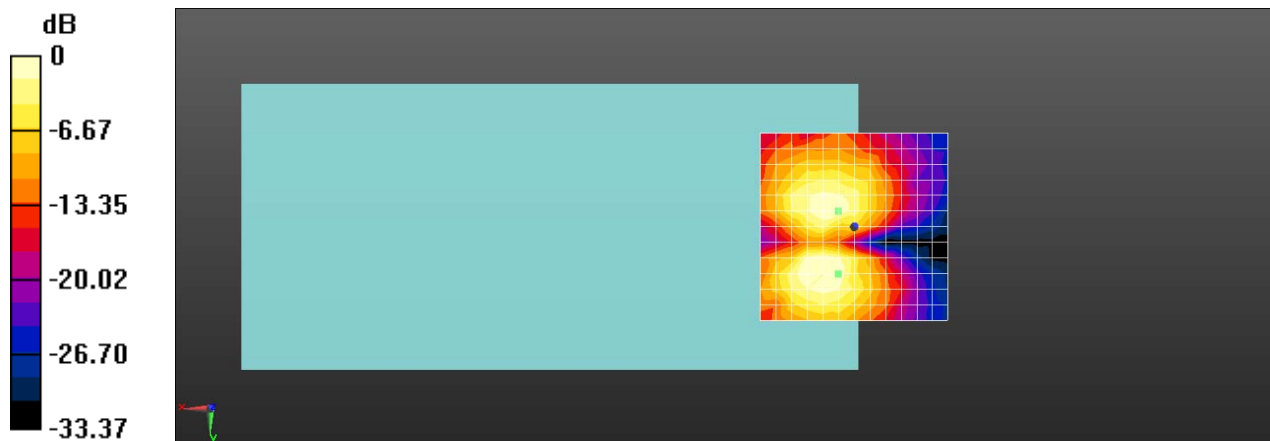
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 29.45 dB

ABM1 comp = -8.67 dBA/m

BWC Factor = 0.21 dB

Location: 4.2, -4.2, 3.7 mm



0 dB = 29.69 = 29.45 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 12 10M QPSK 1RB0 23095CH

**DUT: BE2012; Type: Smart Phone; Serial: e34a434a**

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/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

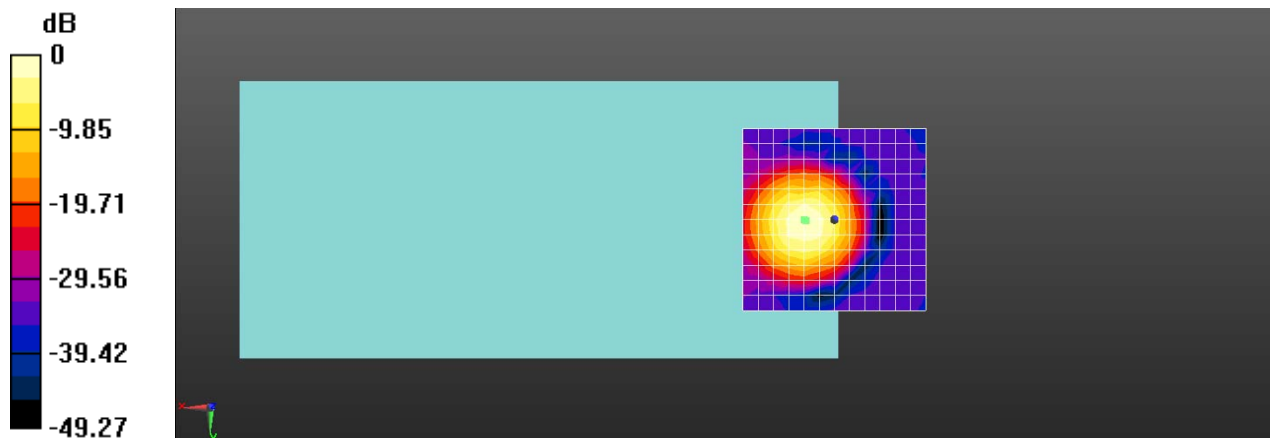
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 47.40 dB

ABM1 comp = 16.29 dBA/m

BWC Factor = 0.18 dB

Location: 8.3, 0, 3.7 mm

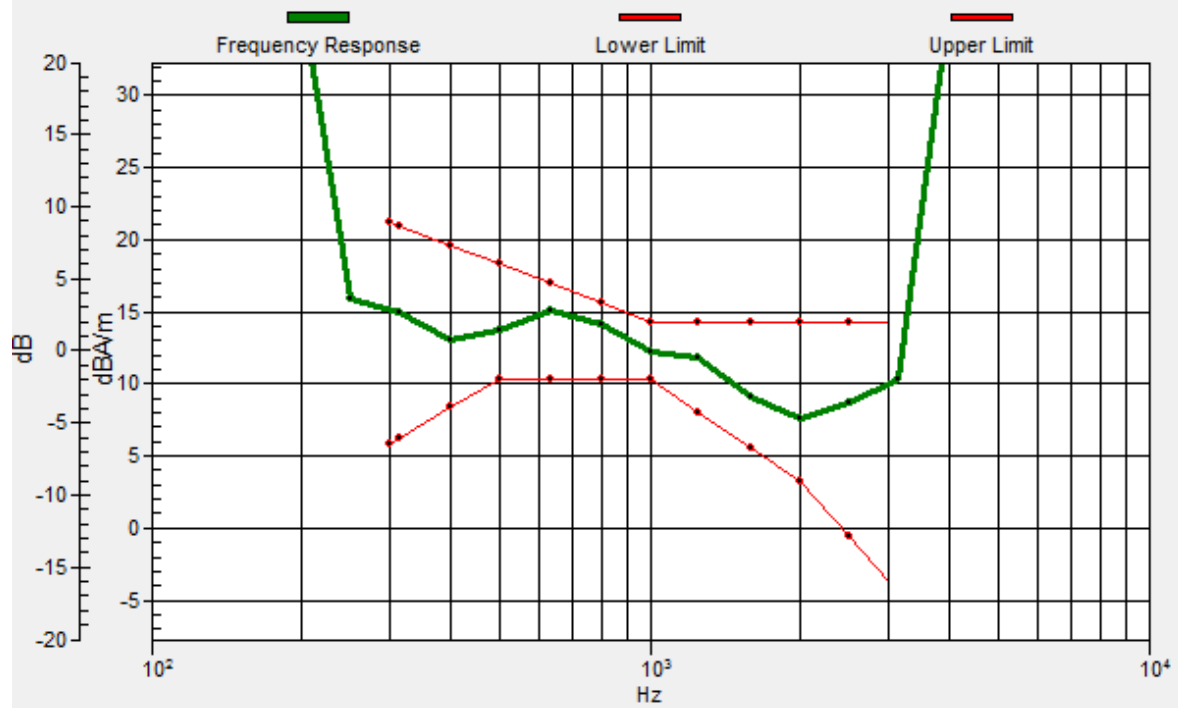


0 dB = 234.5 = 47.40 dB



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

Loc: 7.9, 0.3, 3.7 mm Diff: 1.52dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 12 10M QPSK 1RB0 23095CH

**DUT: BE2012; Type: Smart Phone; Serial: e34a434a**

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/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

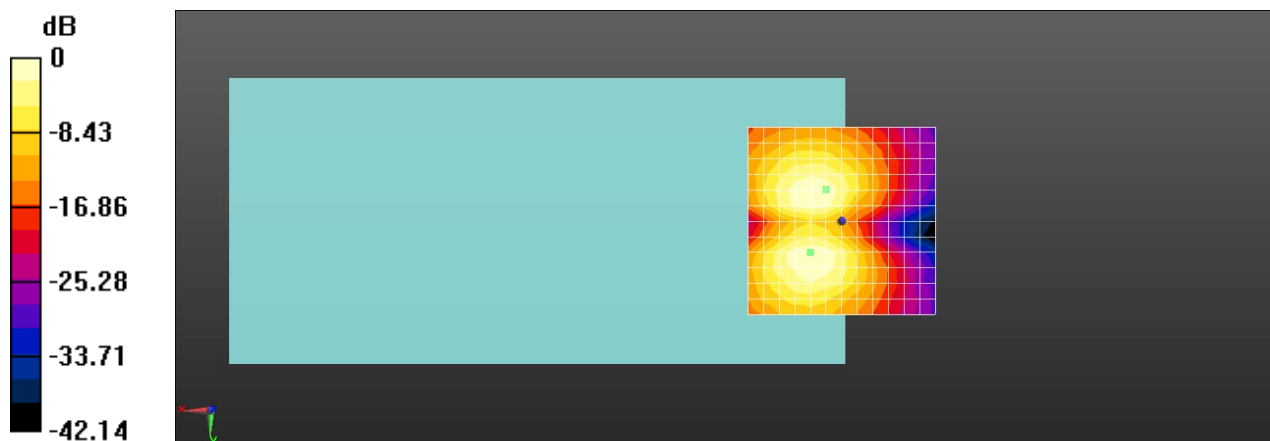
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.97 dB

ABM1 comp = 7.05 dBA/m

BWC Factor = 0.18 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 177.3 = 44.97 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 13 10M QPSK 1RB0 23230CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

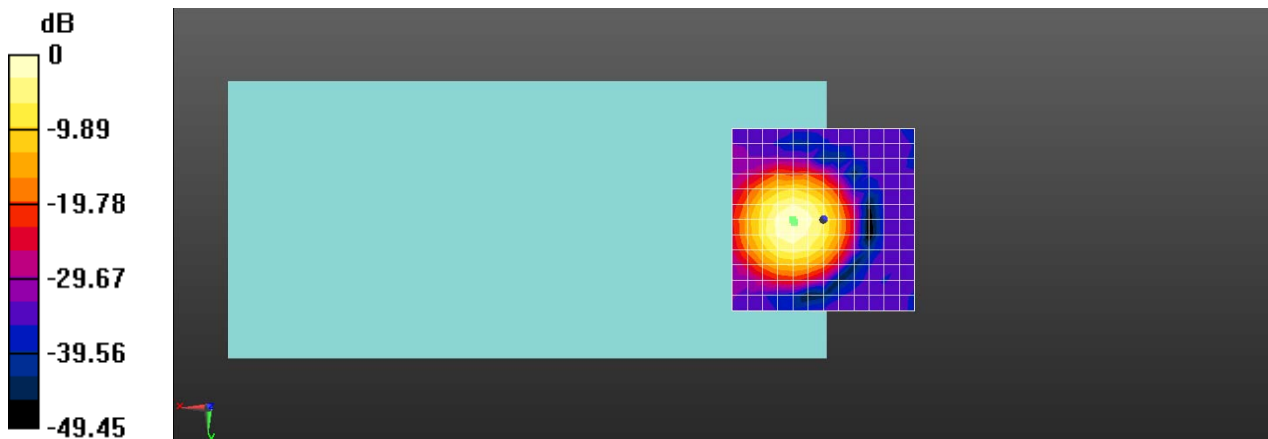
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 47.80 dB

ABM1 comp = 16.27 dBA/m

BWC Factor = 0.18 dB

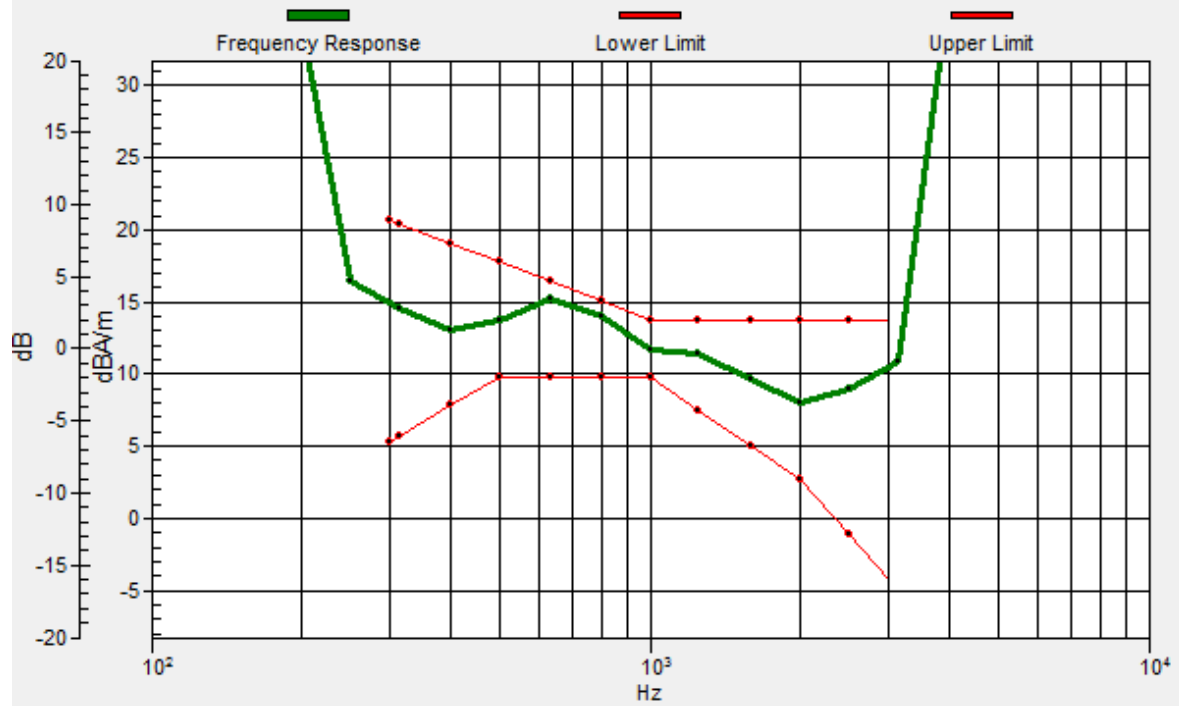
Location: 8.3, 0, 3.7 mm



0 dB = 245.5 = 47.80 dB

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

Loc: 8, 0.9, 3.7 mm Diff: 1.01dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 13 10M QPSK 1RB0 23230CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

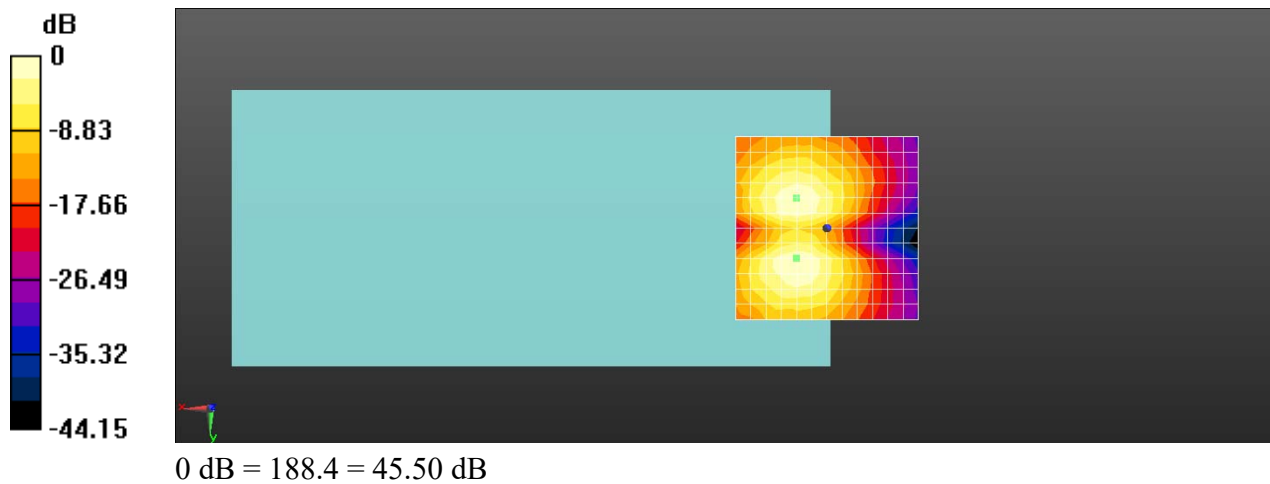
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.50 dB

ABM1 comp = 7.99 dBA/m

BWC Factor = 0.18 dB

Location: 8.3, -8.3, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 25 20M QPSK 1RB0 26365CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

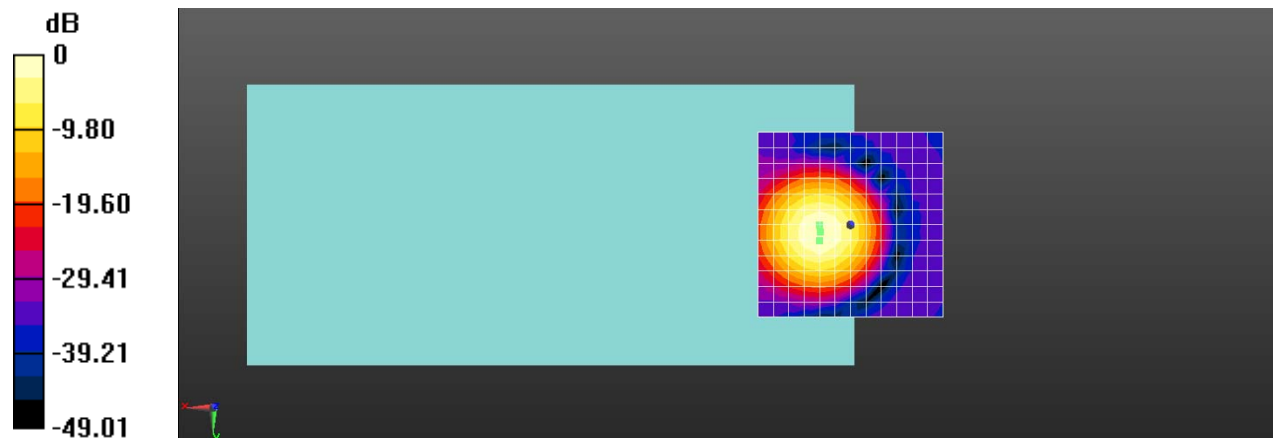
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.57 dB

ABM1 comp = 14.09 dBA/m

BWC Factor = 0.17 dB

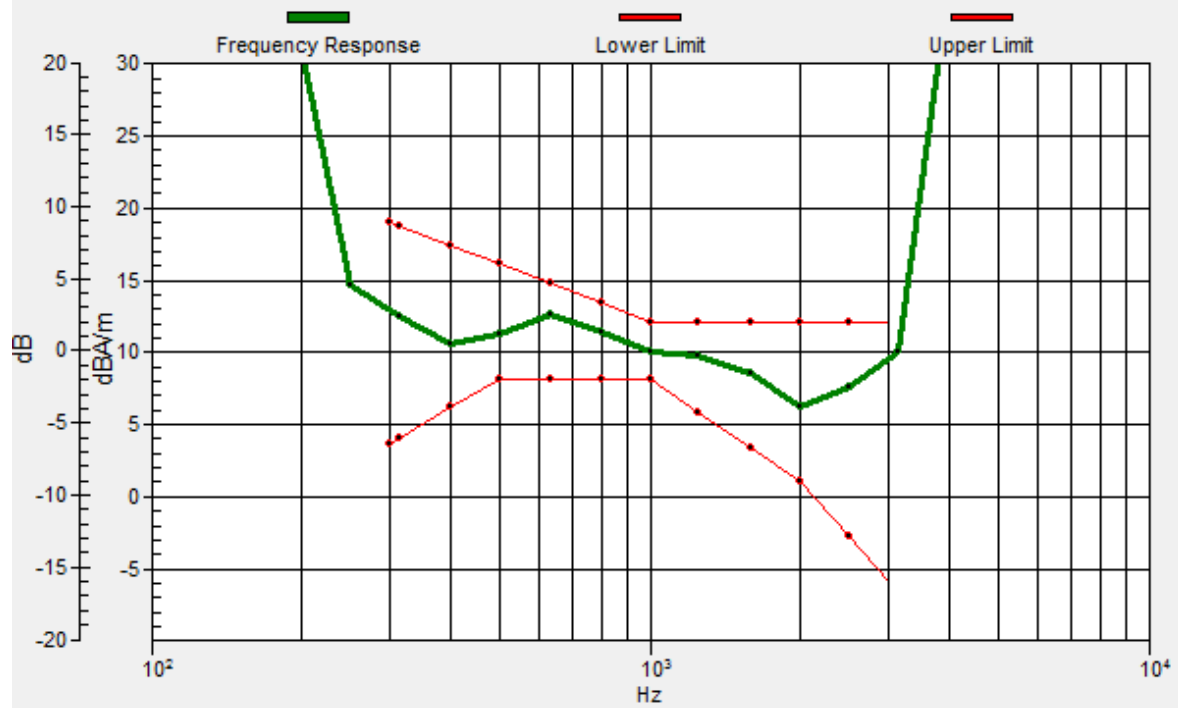
Location: 8.3, 0, 3.7 mm



0 dB = 169.3 = 44.57 dB

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

Loc: 8.1, 1.8, 3.7 mm Diff: 2dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 25 20M QPSK 1RB0 26365CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

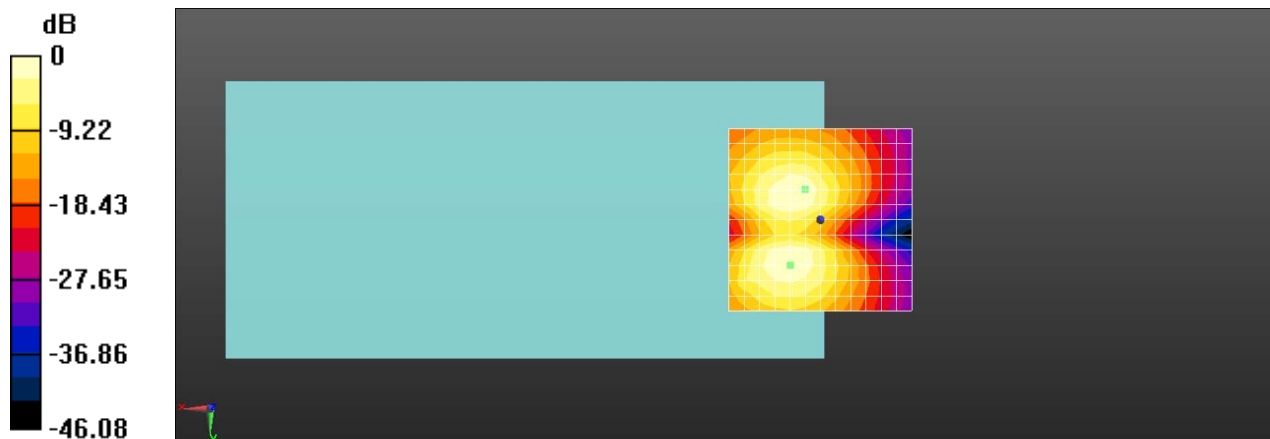
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.98 dB

ABM1 comp = 7.50 dBA/m

BWC Factor = 0.17 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 177.5 = 44.98 dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 26 15M QPSK 1RB0 26865CH

**DUT: BE2012; Type: Smart Phone; Serial: e34a434a**

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/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

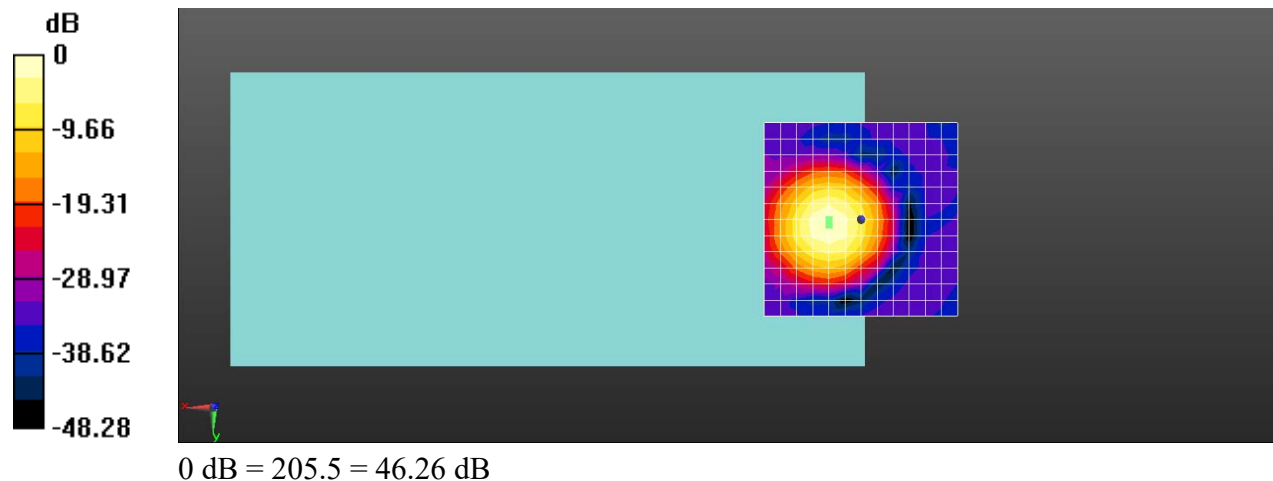
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 46.26 dB

ABM1 comp = 16.39 dBA/m

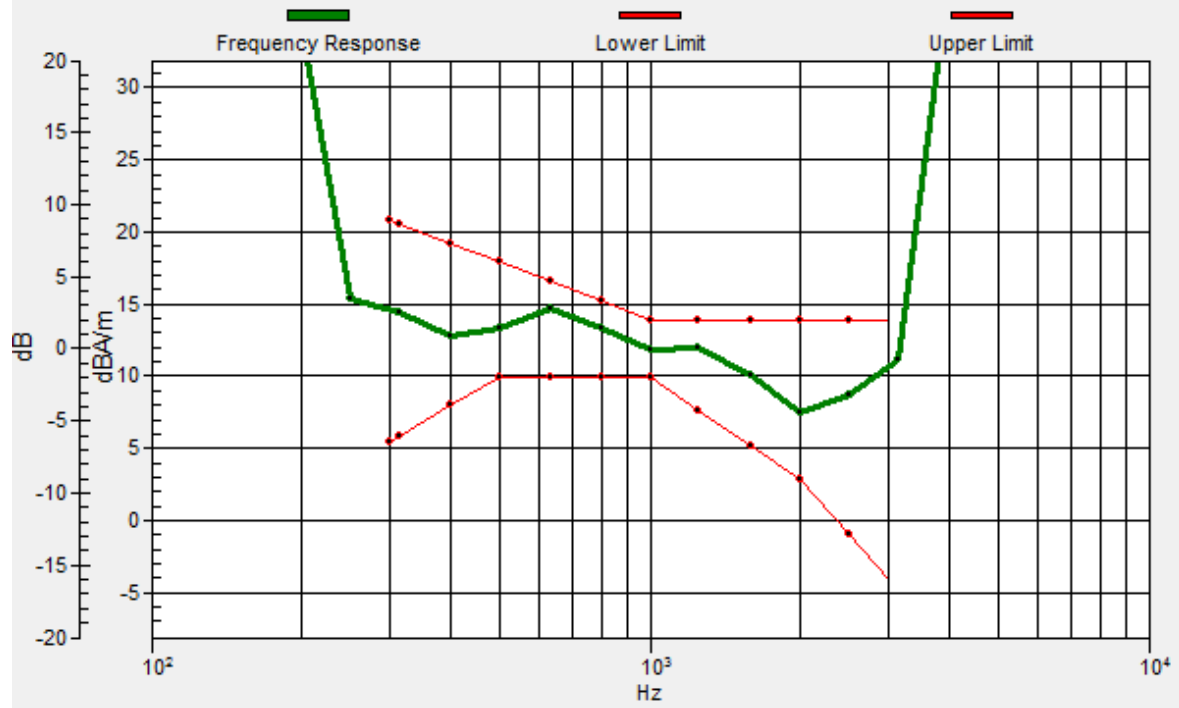
BWC Factor = 0.18 dB

Location: 8.3, 0, 3.7 mm



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

Loc: 8.2, 1.5, 3.7 mm Diff: 1.85dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 26 15M QPSK 1RB0 26865CH

**DUT: BE2012; Type: Smart Phone; Serial: e34a434a**

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/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

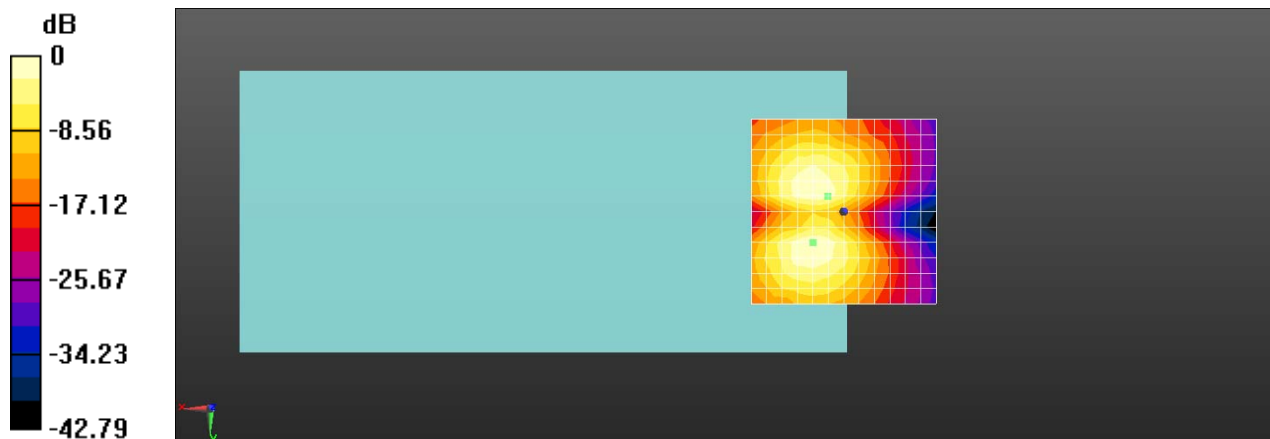
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.46 dB

ABM1 comp = 6.90 dBA/m

BWC Factor = 0.18 dB

Location: 4.2, -4.2, 3.7 mm



0 dB = 167.1 = 44.46 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 66 20M QPSK 1RB0 132322CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

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/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

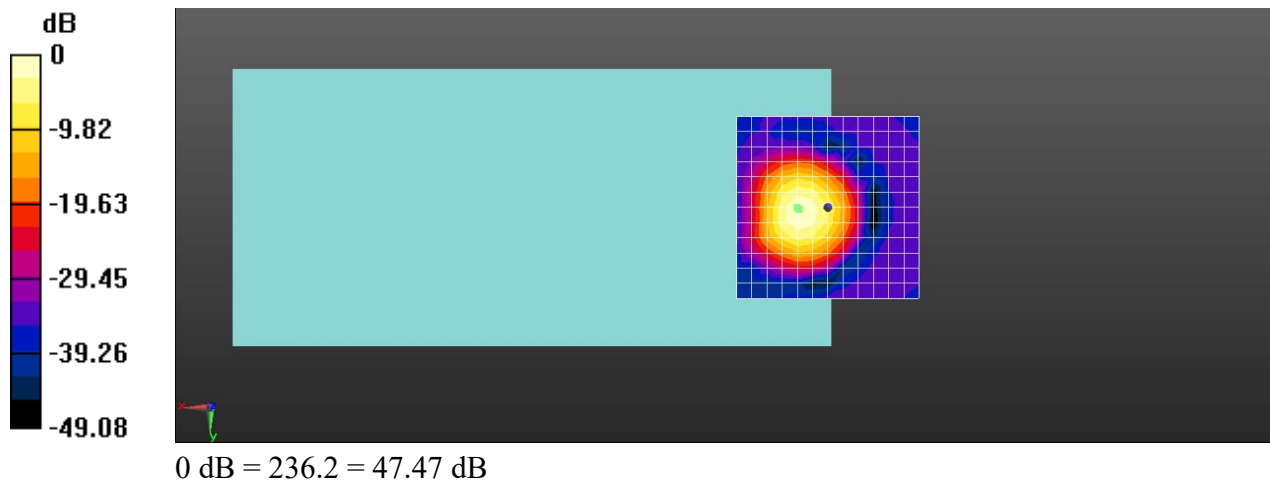
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 47.46 dB

ABM1 comp = 16.65 dBA/m

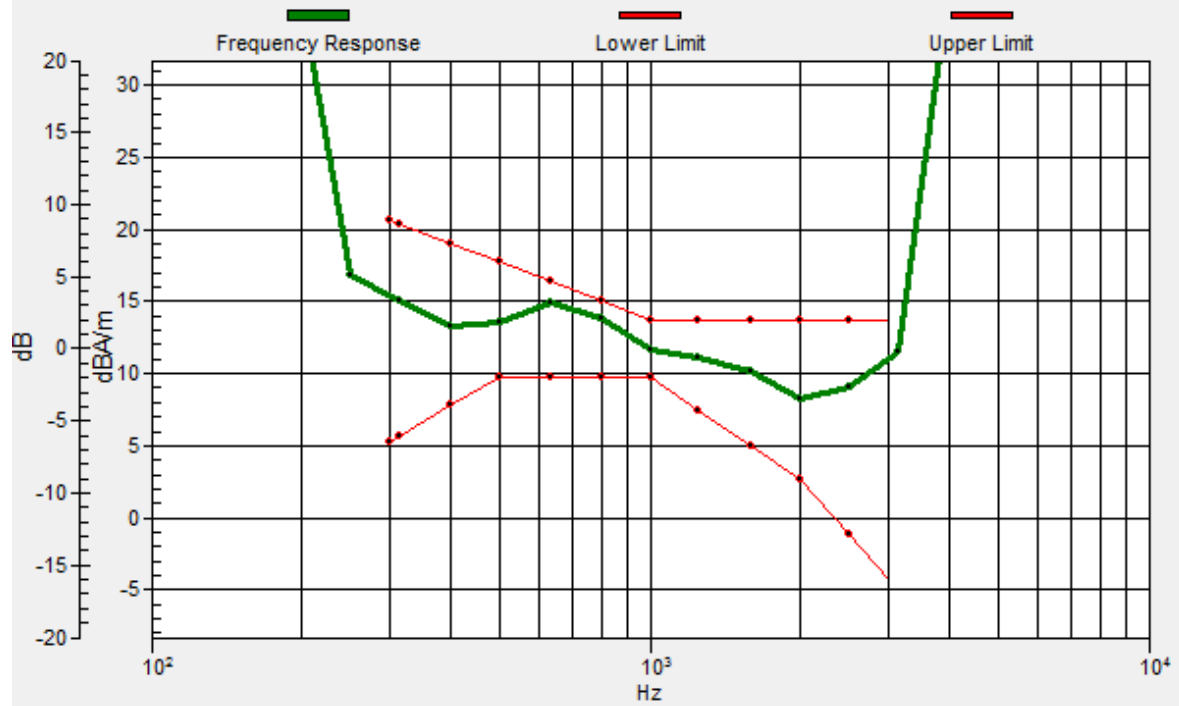
BWC Factor = 0.18 dB

Location: 8.3, 0, 3.7 mm



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

Loc: 7.9, 0.6, 3.7 mm Diff: 1.17dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 66 20M QPSK 1RB0 132322CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

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/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

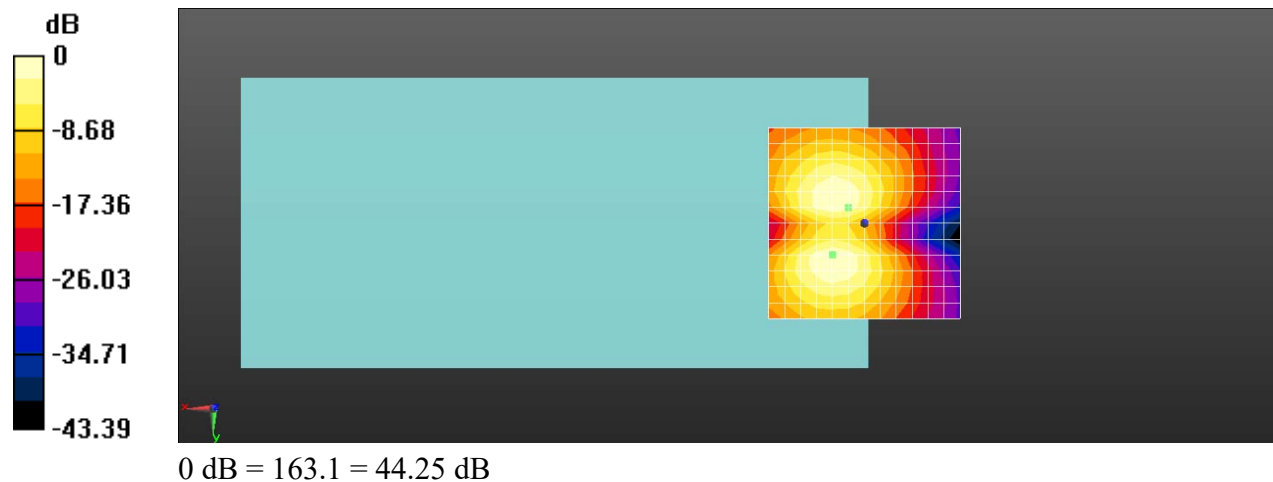
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.25 dB

ABM1 comp = 7.04 dBA/m

BWC Factor = 0.18 dB

Location: 4.2, -4.2, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 71 20M QPSK 1RB0 133297CH

**DUT: BE2012; Type: Smart Phone; Serial: e34a434a**

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/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

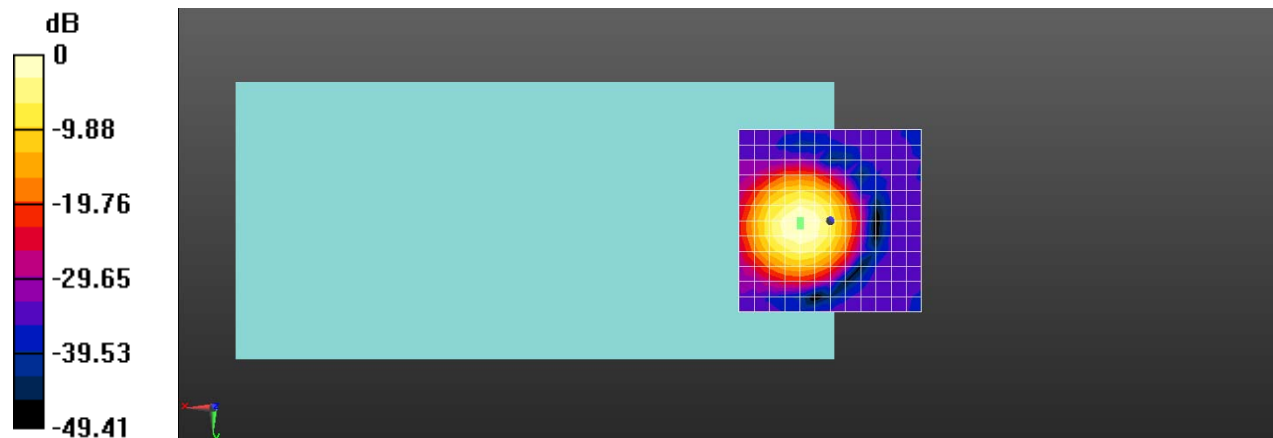
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 45.81 dB

ABM1 comp = 16.01 dBA/m

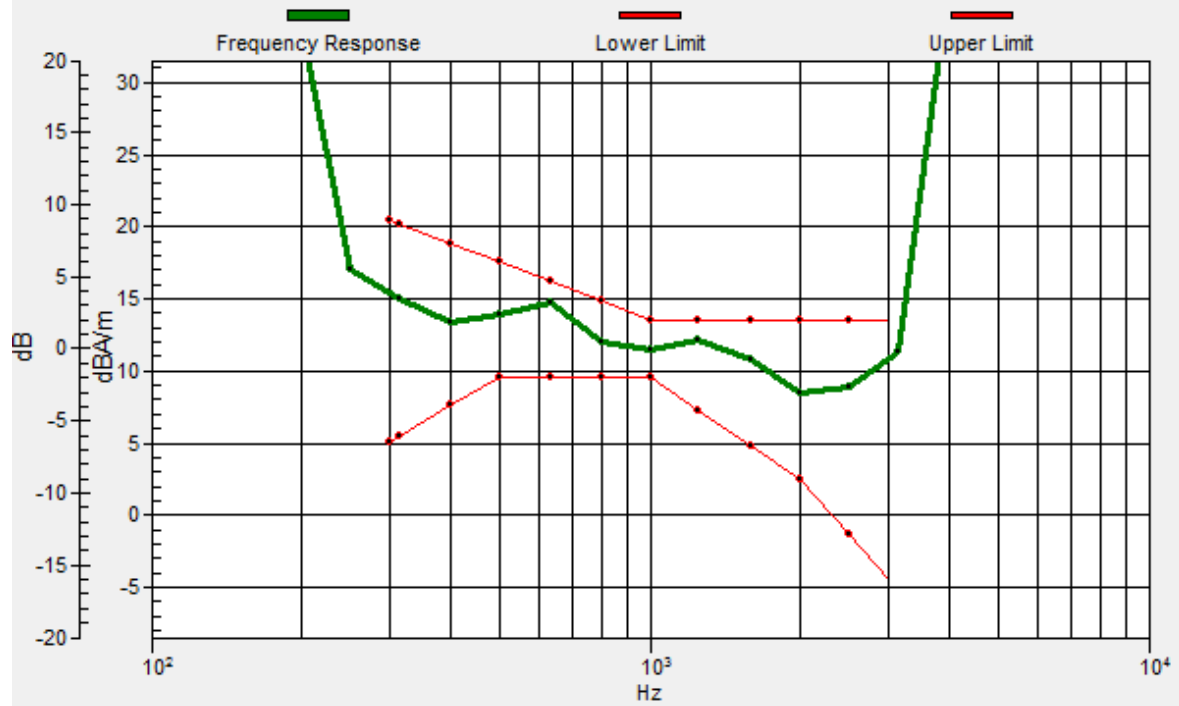
BWC Factor = 0.17 dB

Location: 8.3, 0, 3.7 mm



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

Loc: 8.2, 1.3, 3.7 mm Diff: 1.37dB





Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 71 20M QPSK 1RB0 133297CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

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/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

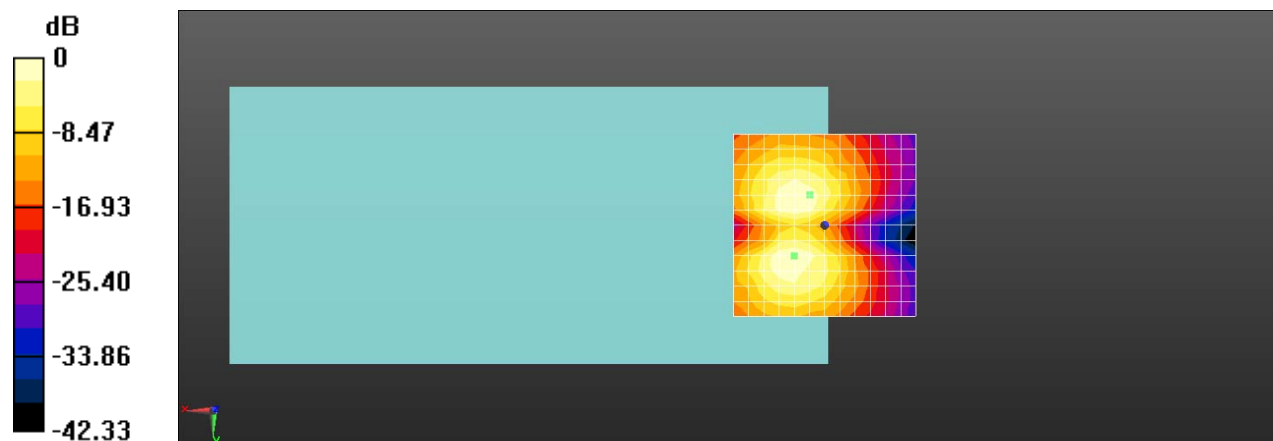
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.67 dB

ABM1 comp = 6.82 dBA/m

BWC Factor = 0.17 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 171.3 = 44.68 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 41 20M QPSK 1RB0 40620CH

**DUT: BE2012; Type: Smart Phone; Serial: e34a434a**

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

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

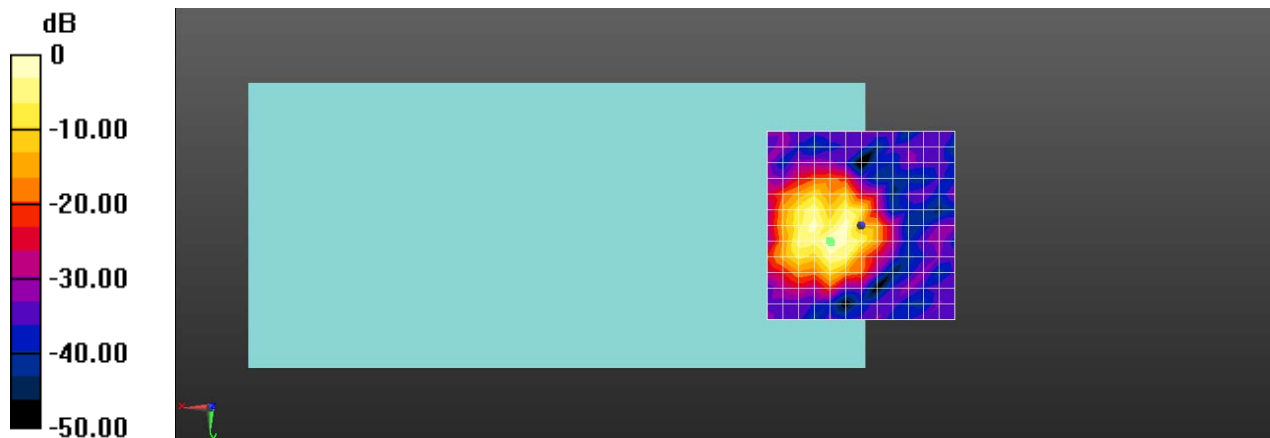
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.07 dB

ABM1 comp = 10.57 dBA/m

BWC Factor = 0.18 dB

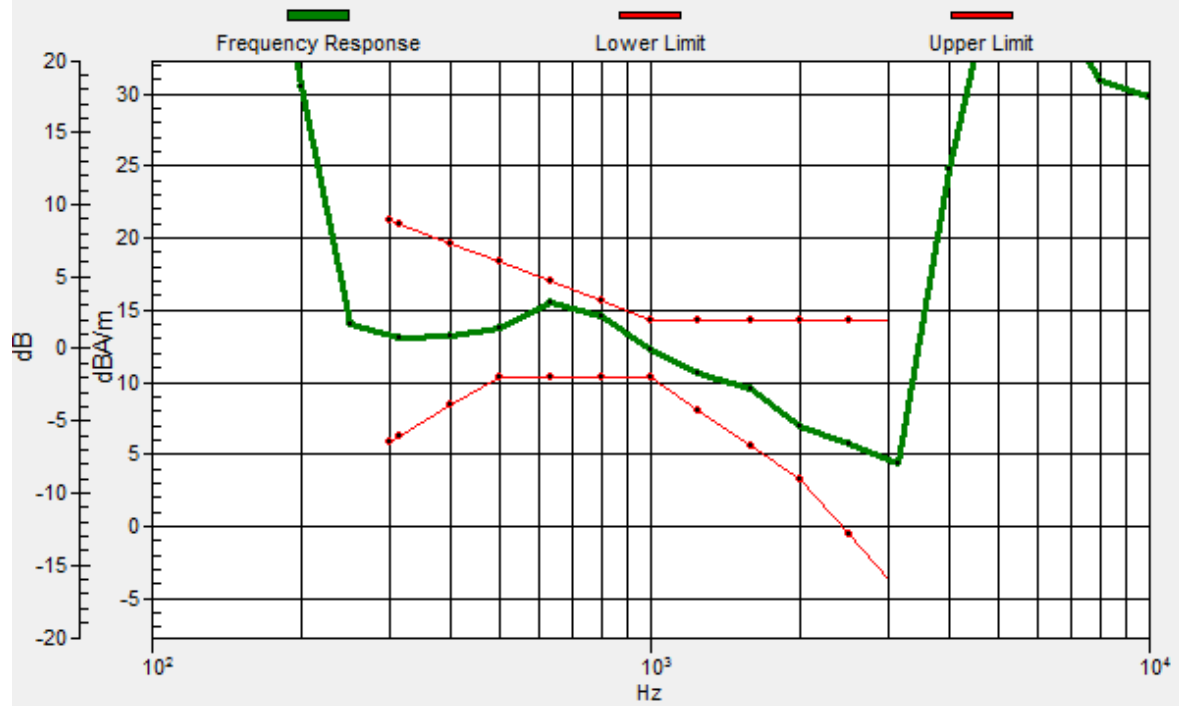
Location: 8.3, 4.2, 3.7 mm



0 dB = 71.38 = 37.07 dB

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

Loc: 7.9, 4.5, 3.7 mm Diff: 1.1dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 41 20M QPSK 1RB0 40620CH

**DUT: BE2012; Type: Smart Phone; Serial: e34a434a**

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

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

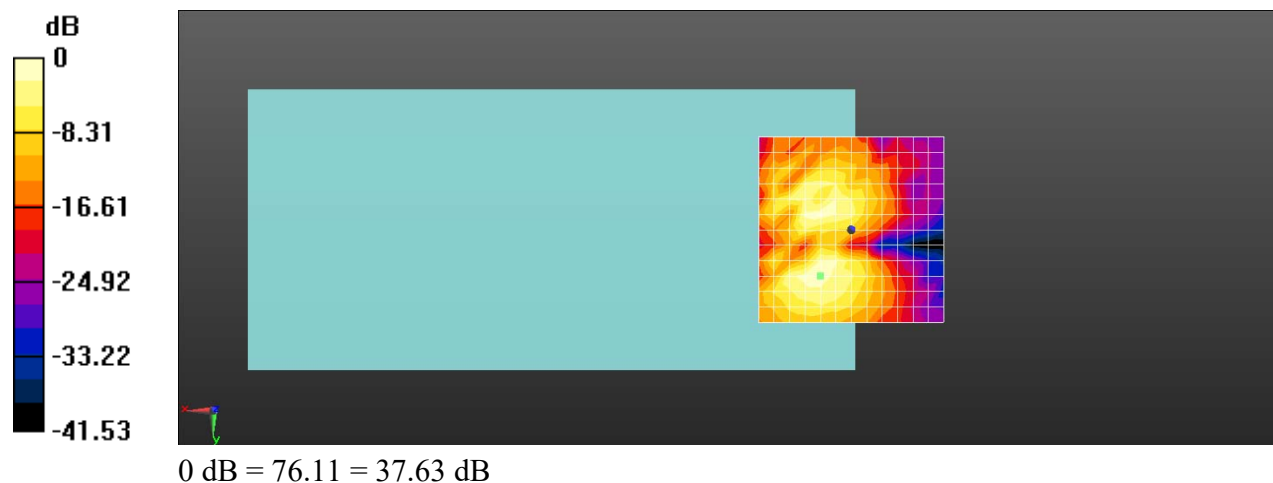
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.63 dB

ABM1 comp = 6.37 dBA/m

BWC Factor = 0.18 dB

Location: 8.3, 12.5, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 41 20M QPSK 1RB0 40620CH

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

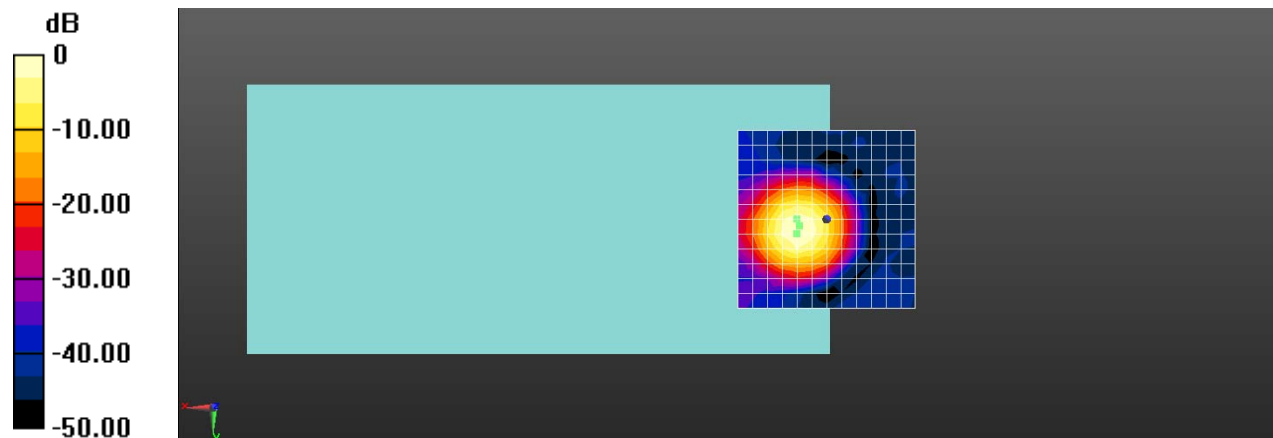
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 27.61 dB

ABM1 comp = 0.30 dBA/m

BWC Factor = 0.21 dB

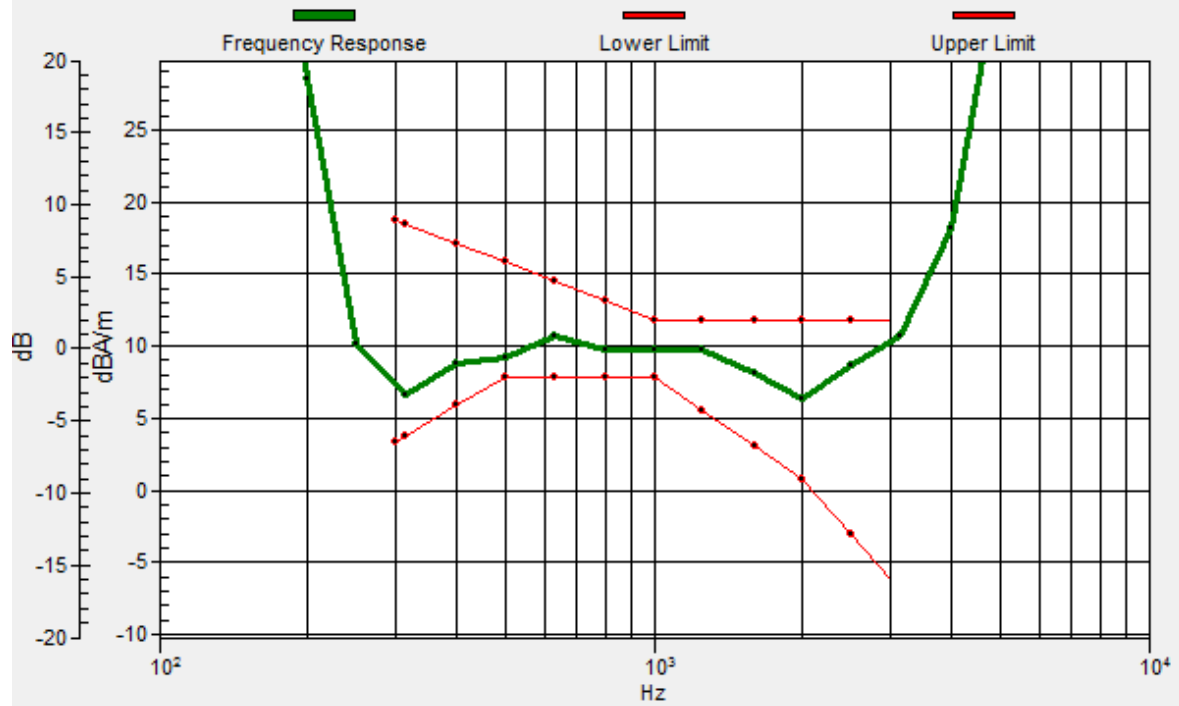
Location: 8.3, 0, 3.7 mm



0 dB = 24.02 = 27.61 dB

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

Loc: 7.6, 1.8, 3.7 mm Diff: 1.37dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-LTE Band 41 20M QPSK 1RB0 40620CH-OPUS 75kbps

**DUT: BE2012; Type: Smart Phone; Serial: ddc956d**

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

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

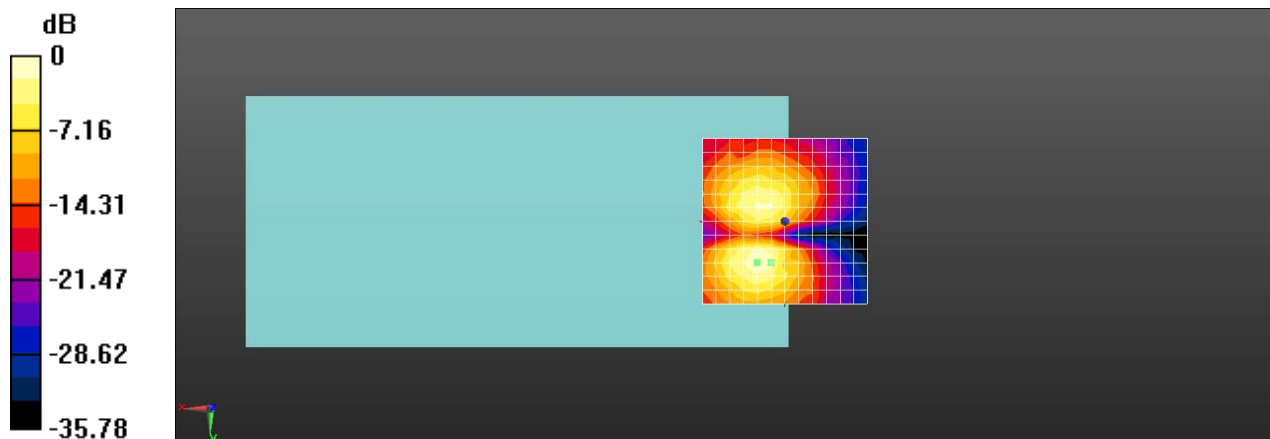
**(13x13x1):** Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 25.63 dB

ABM1 comp = -7.77 dBA/m

BWC Factor = 0.21 dB

Location: 4.2, 12.5, 3.7 mm



0 dB = 19.13 = 25.63 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 2.4G 802.11b 6CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

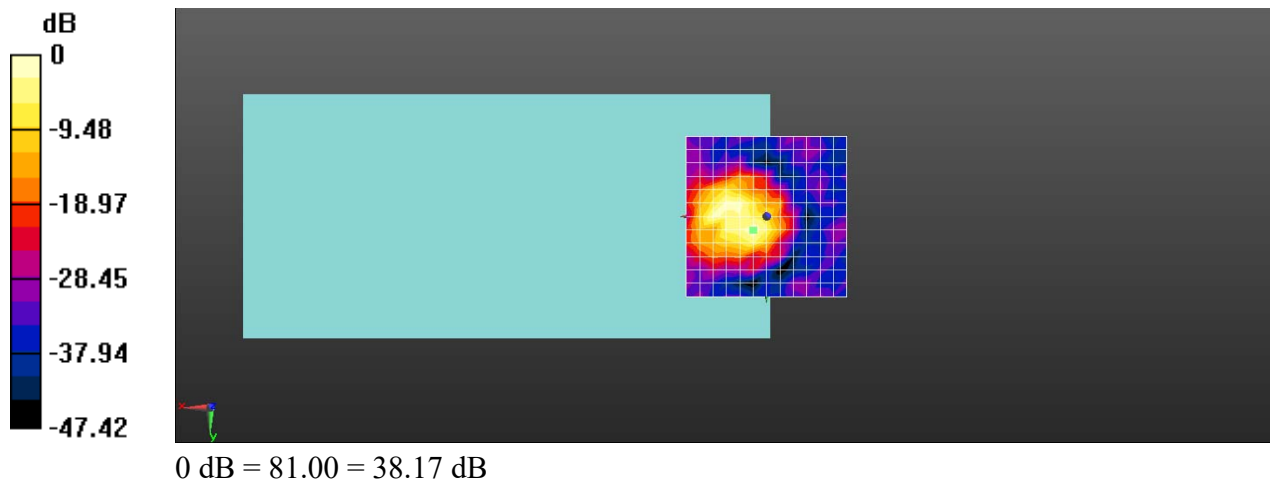
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.17 dB

ABM1 comp = 6.51 dBA/m

BWC Factor = 0.16 dB

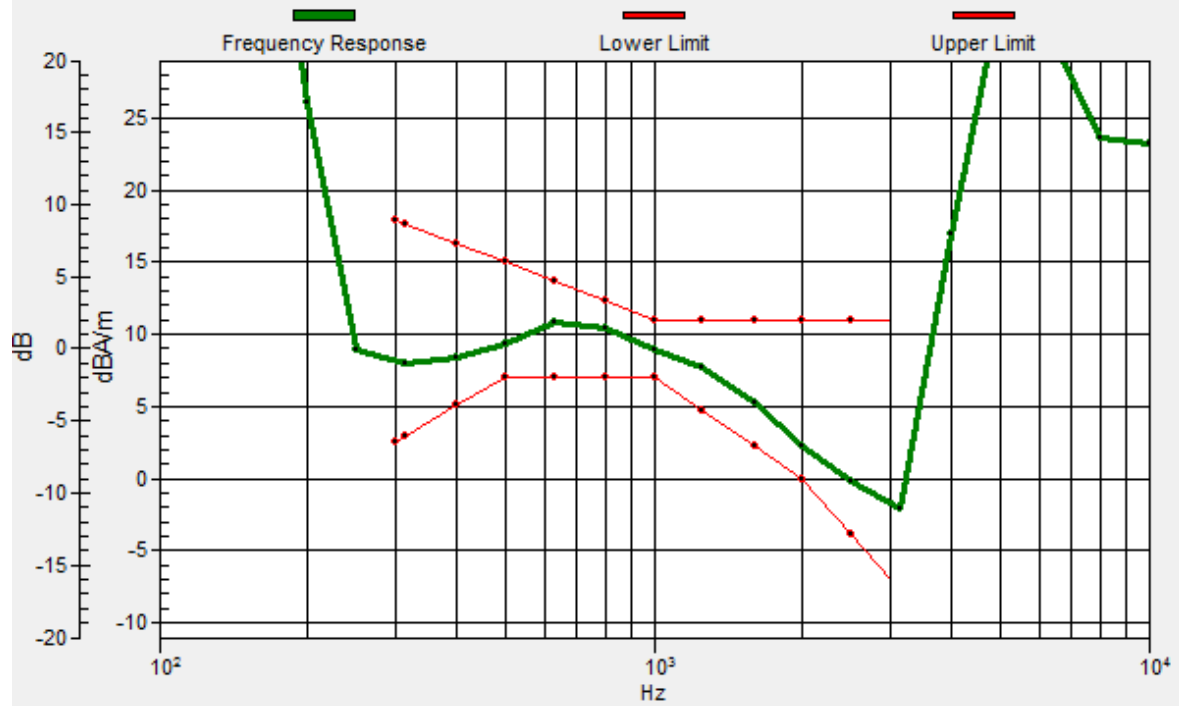
Location: 4.2, 4.2, 3.7 mm





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

Loc: 4.2, 4.2, 3.7 mm Diff: 1.93dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 2.4G 802.11b 6CH

DUT: BE2012; Type: Smart Phone; Serial: ddc956d

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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

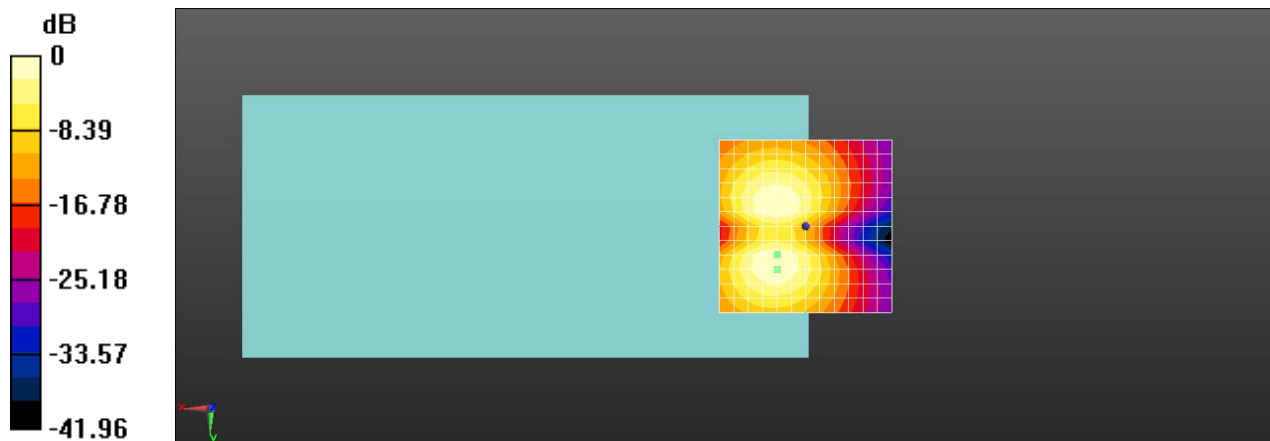
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 40.03 dB

ABM1 comp = 4.13 dBA/m

BWC Factor = 0.16 dB

Location: 8.3, 12.5, 3.7 mm



0 dB = 100.4 = 40.03 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 2.4G 802.11b 6CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

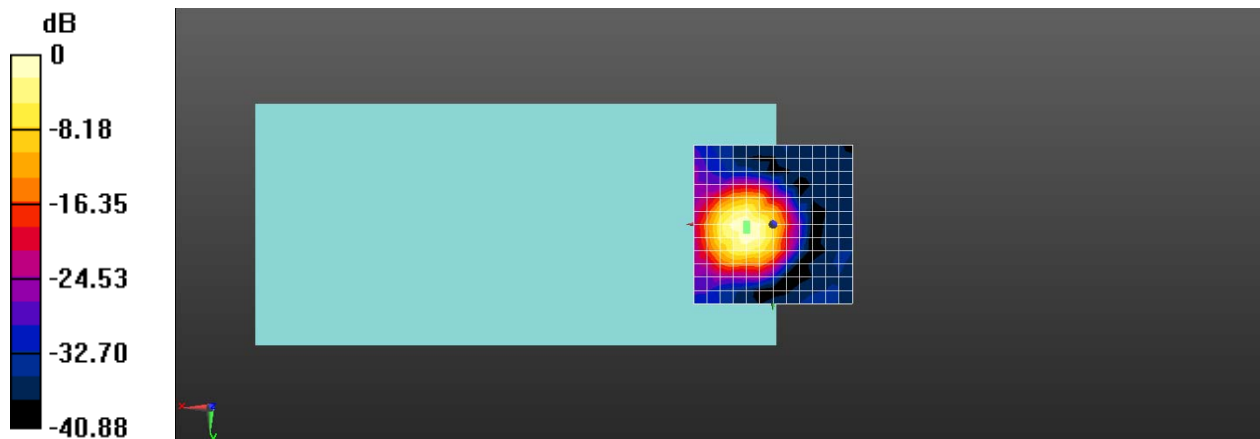
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 31.90 dB

ABM1 comp = 0.78 dBA/m

BWC Factor = 0.17 dB

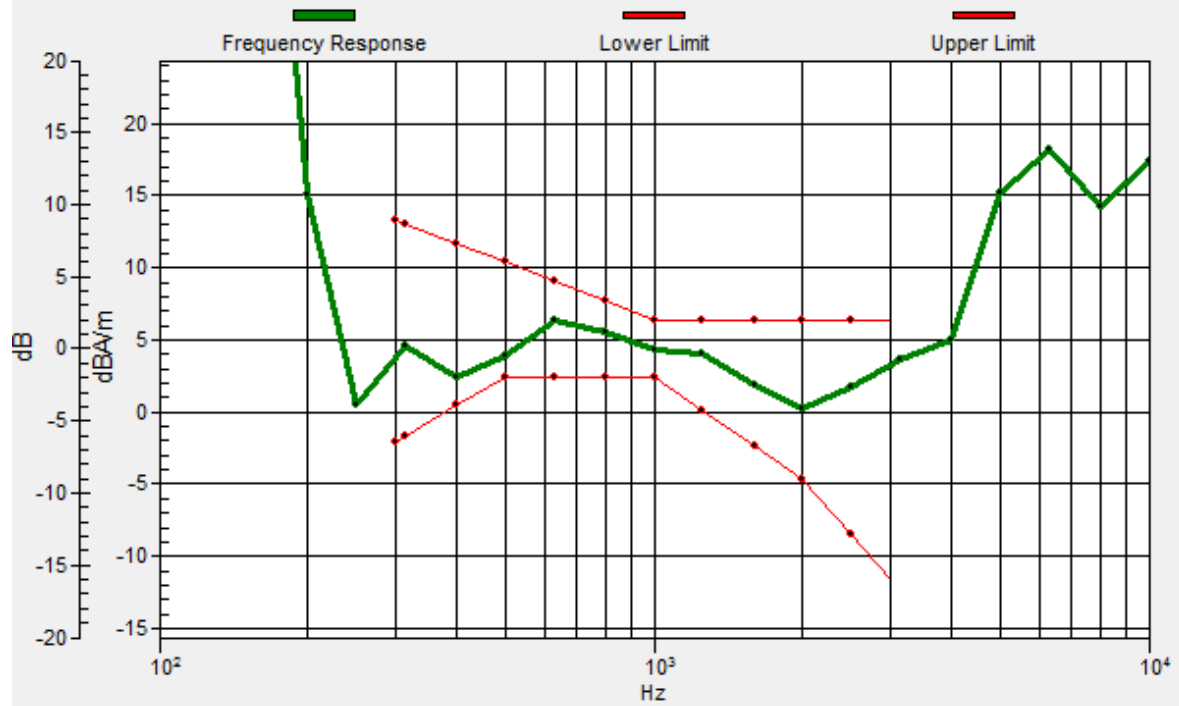
Location: 8.3, 0, 3.7 mm



0 dB = 39.35 = 31.90 dB

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

Loc: 8.2, 1.8, 3.7 mm Diff: 1.53dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 2.4G 802.11b 6CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

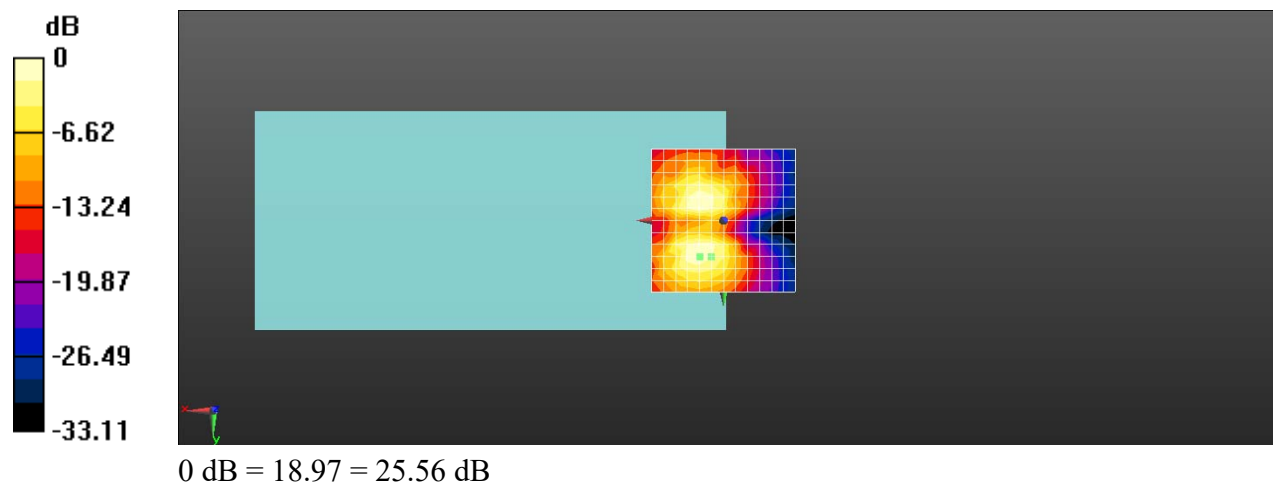
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 25.56 dB

ABM1 comp = -8.49 dBA/m

BWC Factor = 0.17 dB

Location: 4.2, 12.5, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 5G 802.11a 40CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5200 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

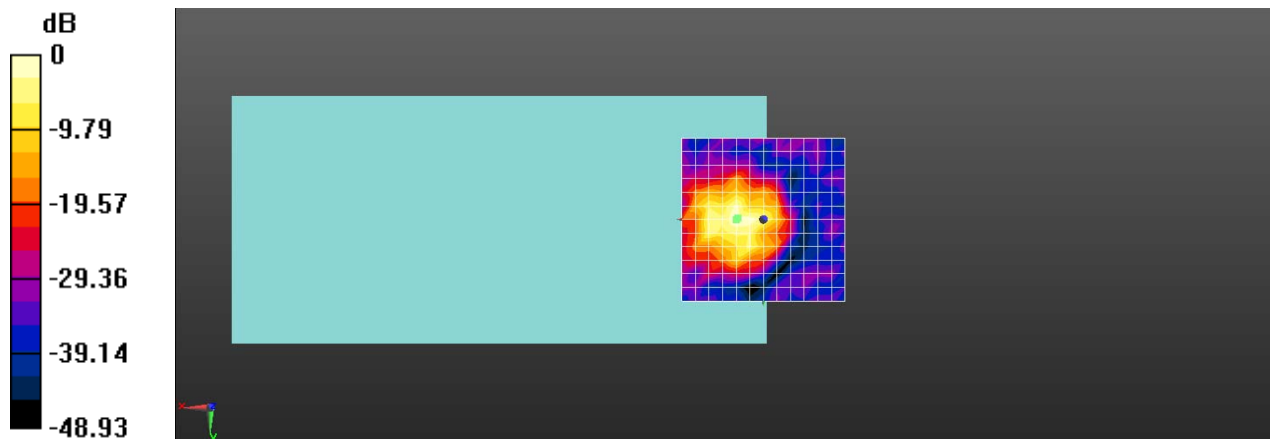
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.97 dB

ABM1 comp = 7.62 dBA/m

BWC Factor = 0.16 dB

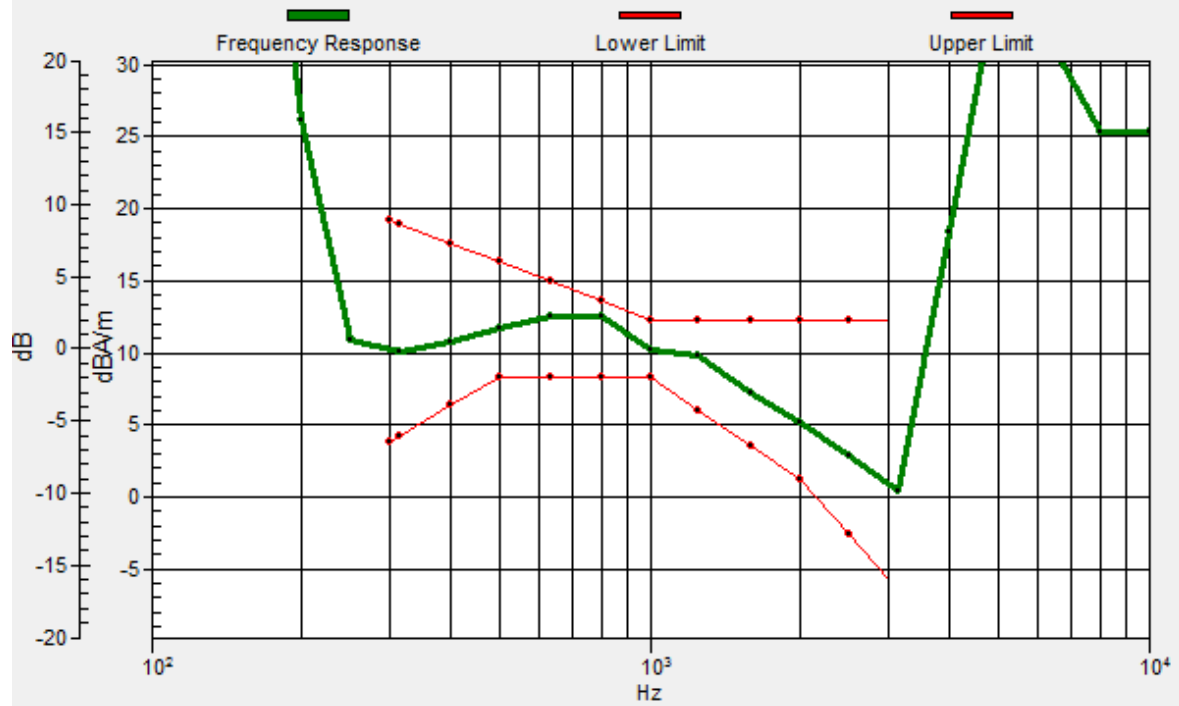
Location: 8.3, 0, 3.7 mm



0 dB = 88.86 = 38.97 dB

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

Loc: 7.7, -0.5, 3.7 mm Diff: 1.09dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 5G 802.11a 40CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5200 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

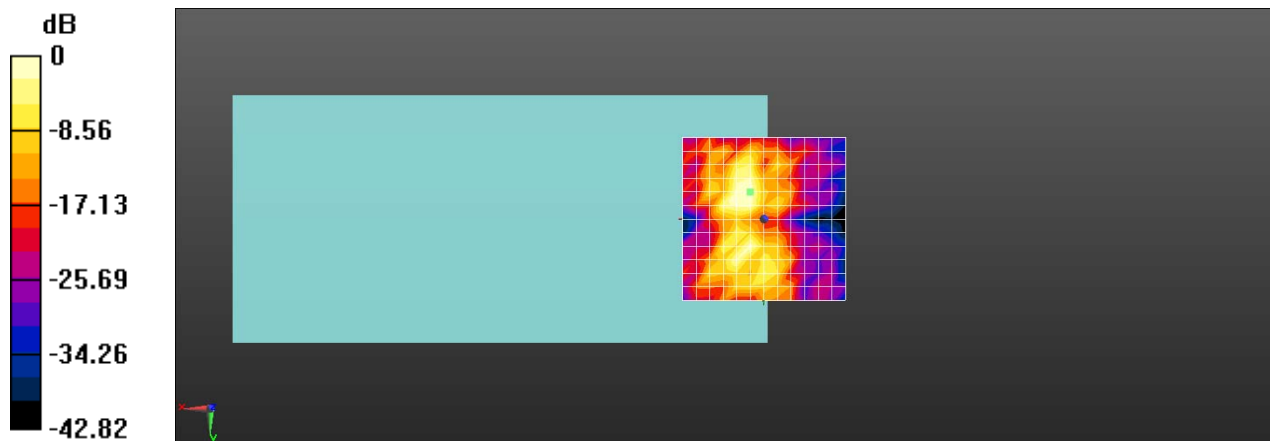
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 40.75 dB

ABM1 comp = 1.98 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -8.3, 3.7 mm



0 dB = 109.0 = 40.75 dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 5G 802.11a 60CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5300 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

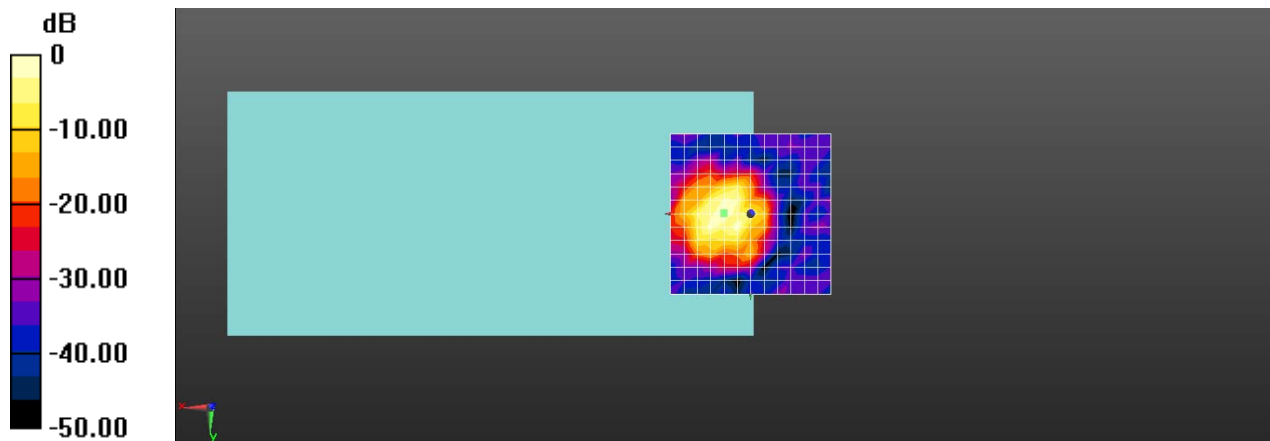
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 41.80 dB

ABM1 comp = 8.95 dBA/m

BWC Factor = 0.17 dB

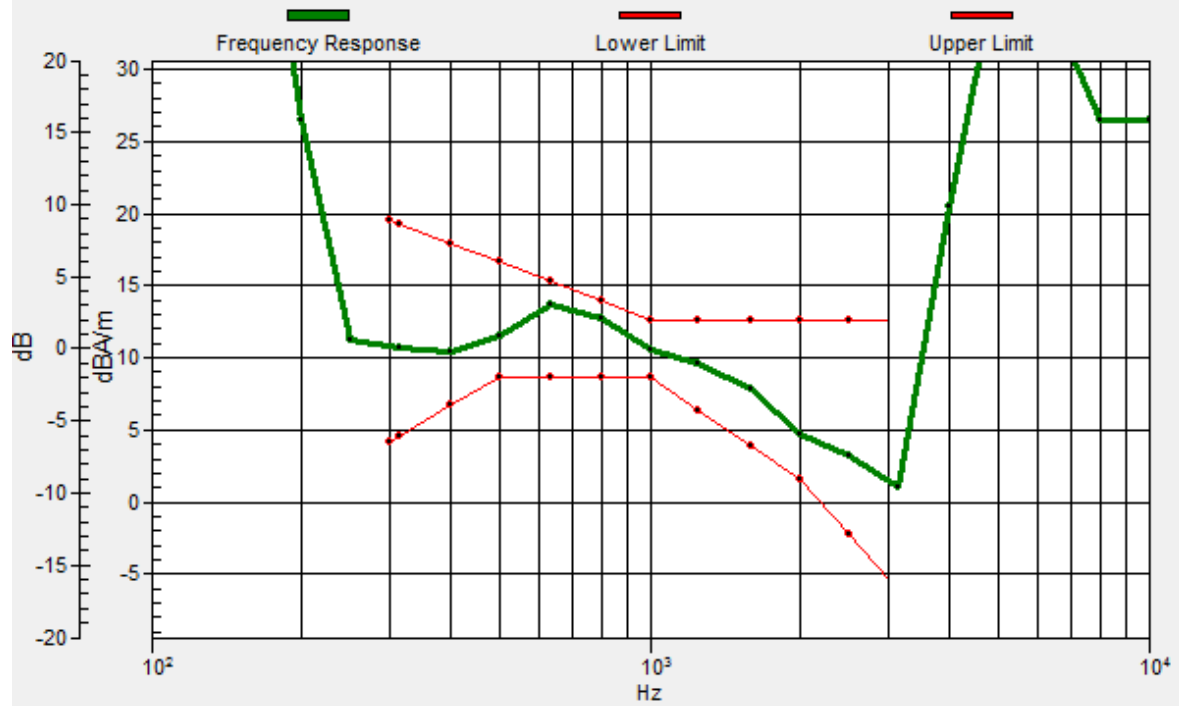
Location: 8.3, 0, 3.7 mm



0 dB = 123.0 = 41.80 dB

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

Loc: 8.3, -0.2, 3.7 mm Diff: 1.16dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 5G 802.11a 60CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5300 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

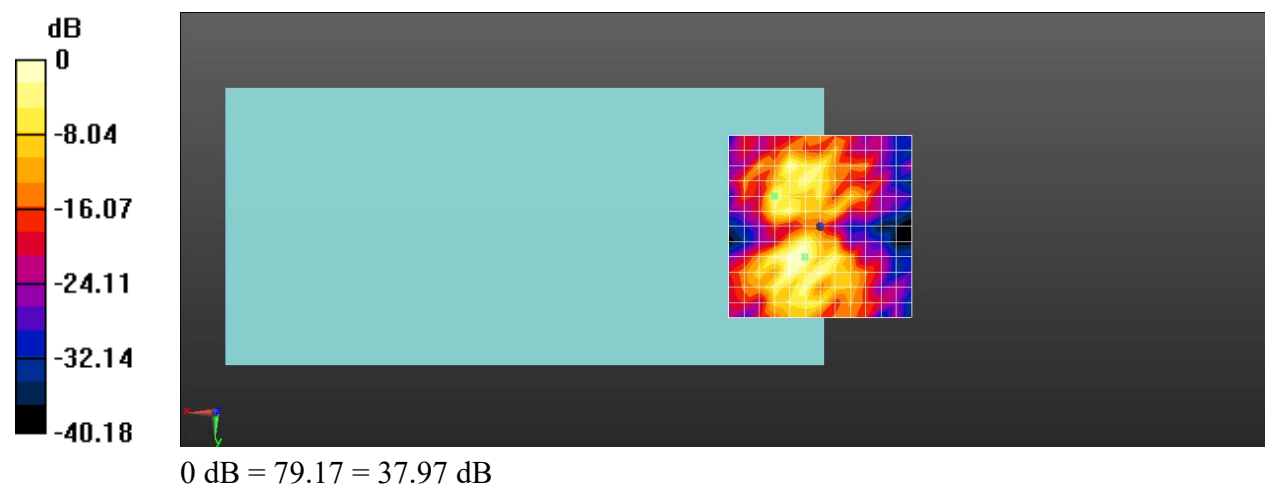
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 37.97 dB

ABM1 comp = -0.53 dBA/m

BWC Factor = 0.17 dB

Location: 4.2, 8.3, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 5G 802.11a 116CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5580 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

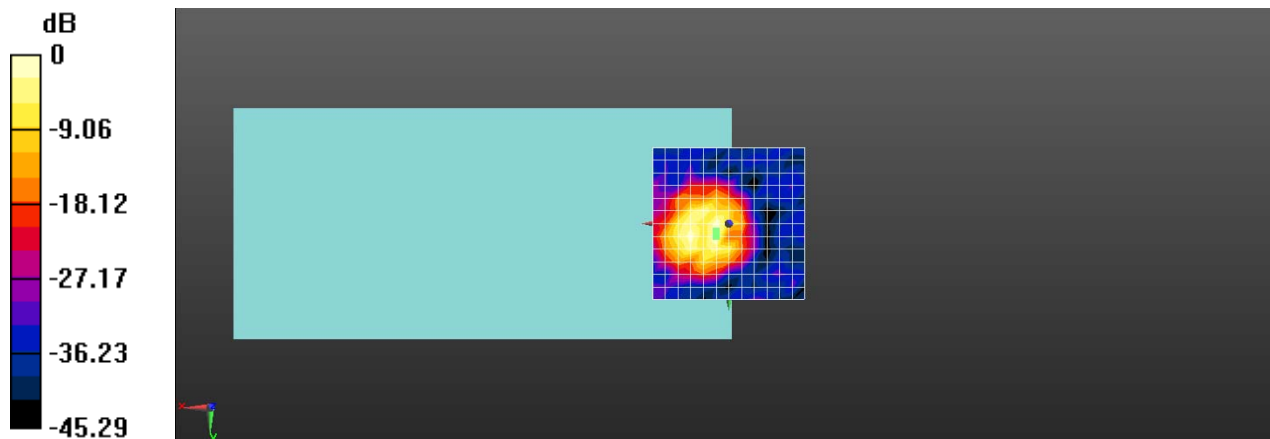
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 38.84 dB

ABM1 comp = 7.08 dBA/m

BWC Factor = 0.17 dB

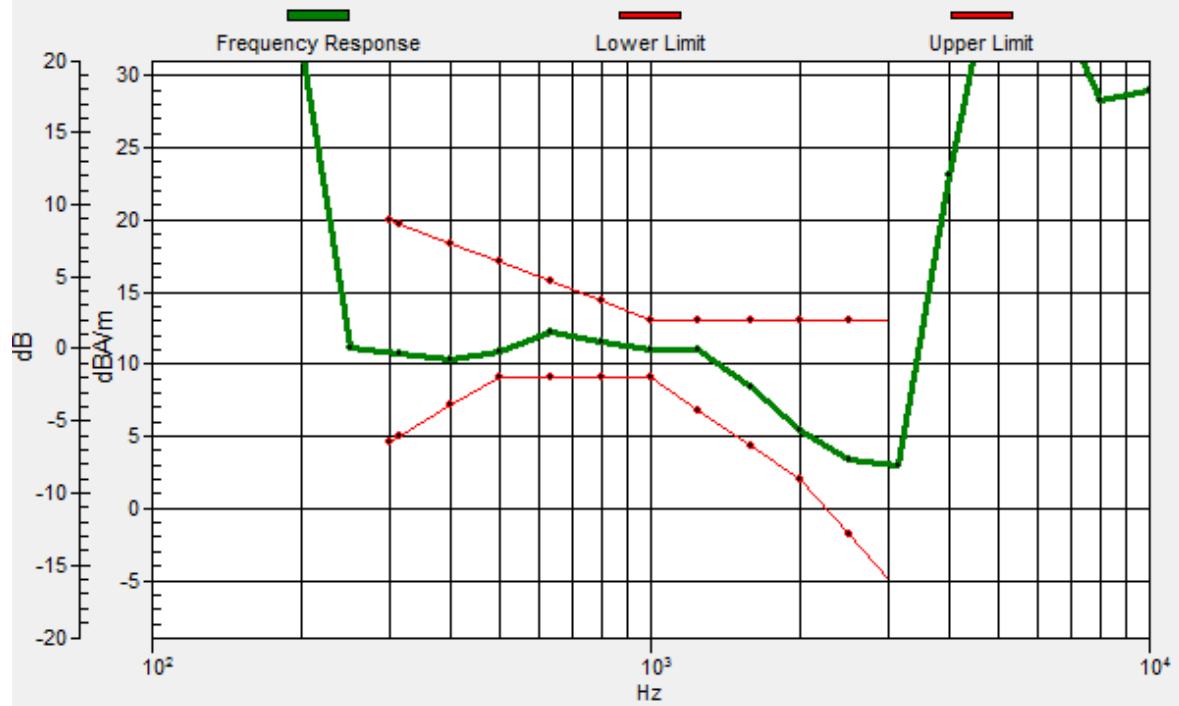
Location: 4.2, 4.2, 3.7 mm



0 dB = 87.51 = 38.84 dB

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

Loc: 4.2, 2.4, 3.7 mm Diff: 1.83dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 5G 802.11a 116CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5580 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

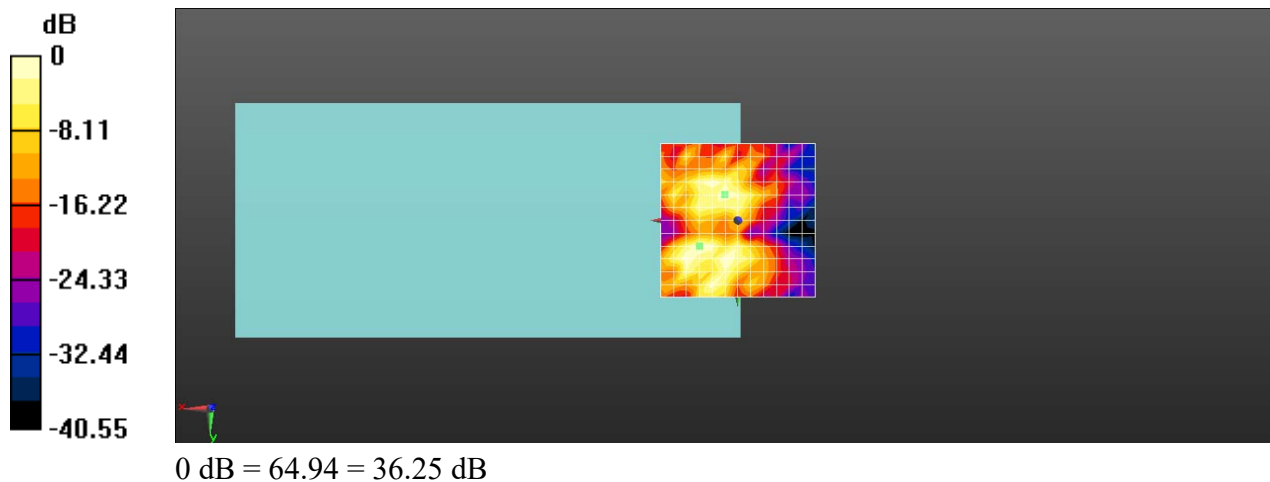
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 36.25 dB

ABM1 comp = -1.51 dBA/m

BWC Factor = 0.17 dB

Location: 4.2, -8.3, 3.7 mm



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 5G 802.11a 116CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5580 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

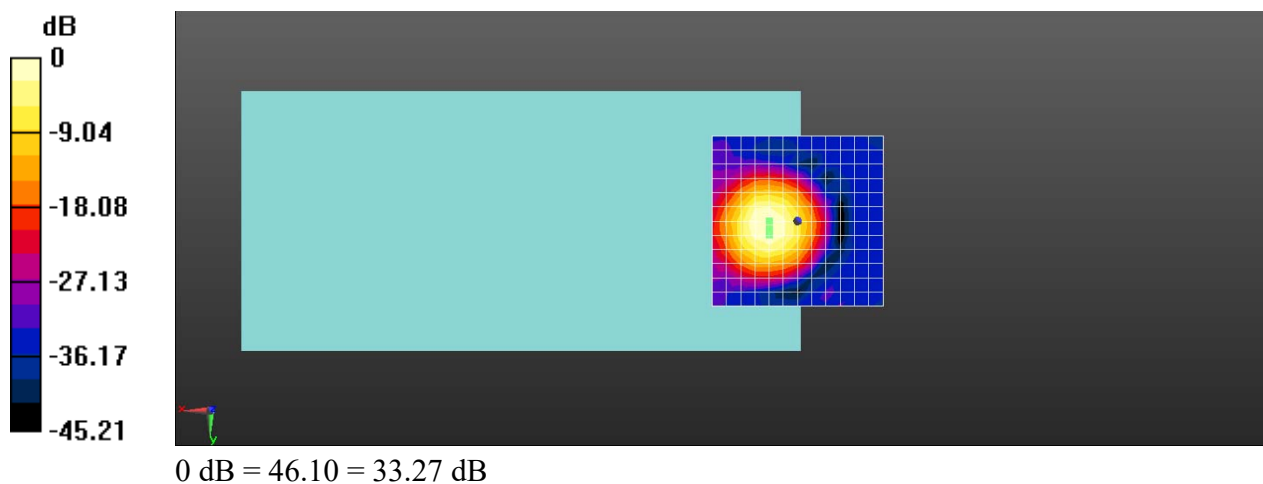
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 33.27 dB

ABM1 comp = 0.72 dBA/m

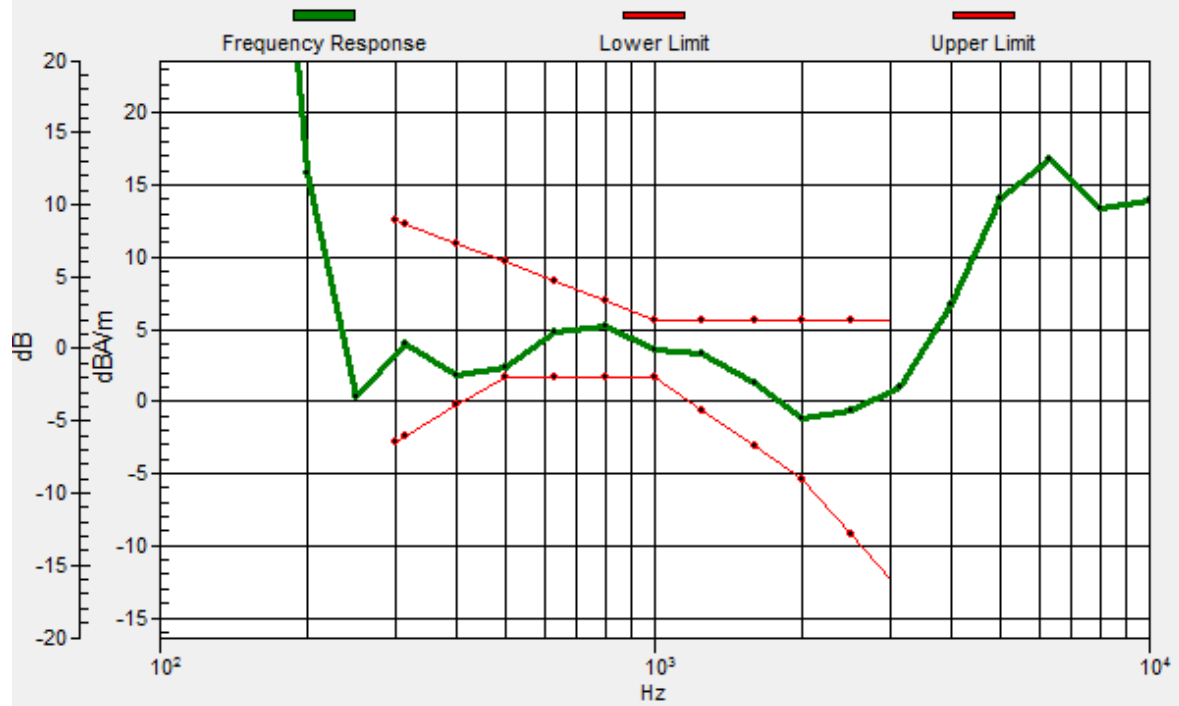
BWC Factor = 0.17 dB

Location: 8.3, 4.2, 3.7 mm



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

Loc: 8.1, 2.4, 3.7 mm Diff: 0.72dB





Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 5G 802.11a 116CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5580 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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)

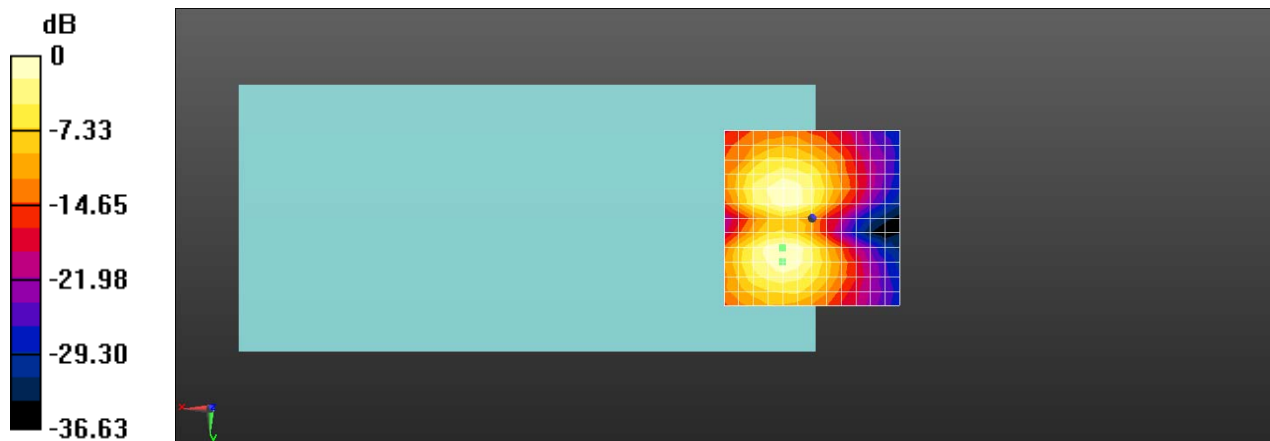
(13x13x1): Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 29.75 dB

ABM1 comp = -7.46 dBA/m

BWC Factor = 0.17 dB

Location: 8.3, 12.5, 3.7 mm



0 dB = 30.73 = 29.75 dB

Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 5G 802.11a 157CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5785 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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):

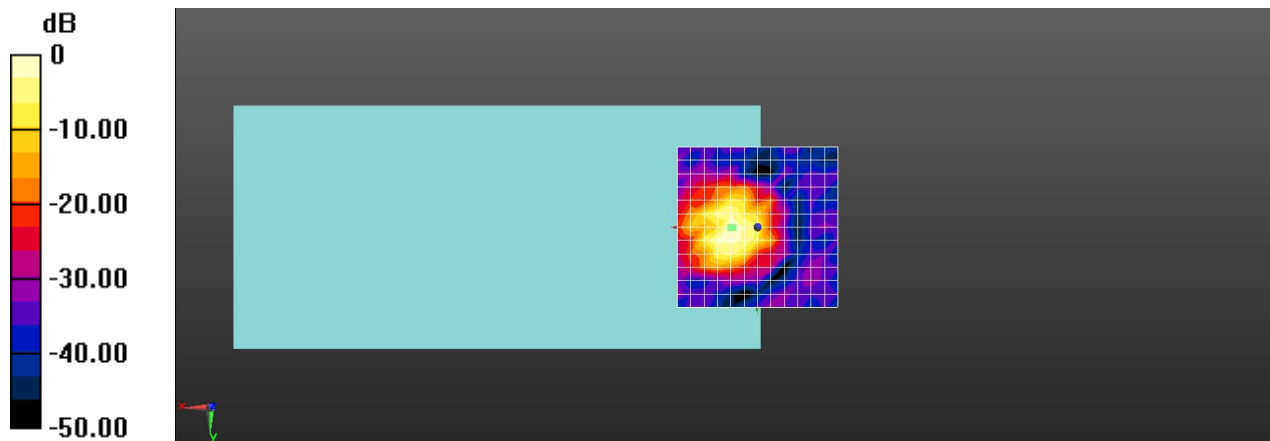
Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 41.49 dB

ABM1 comp = 9.48 dBA/m

BWC Factor = 0.16 dB

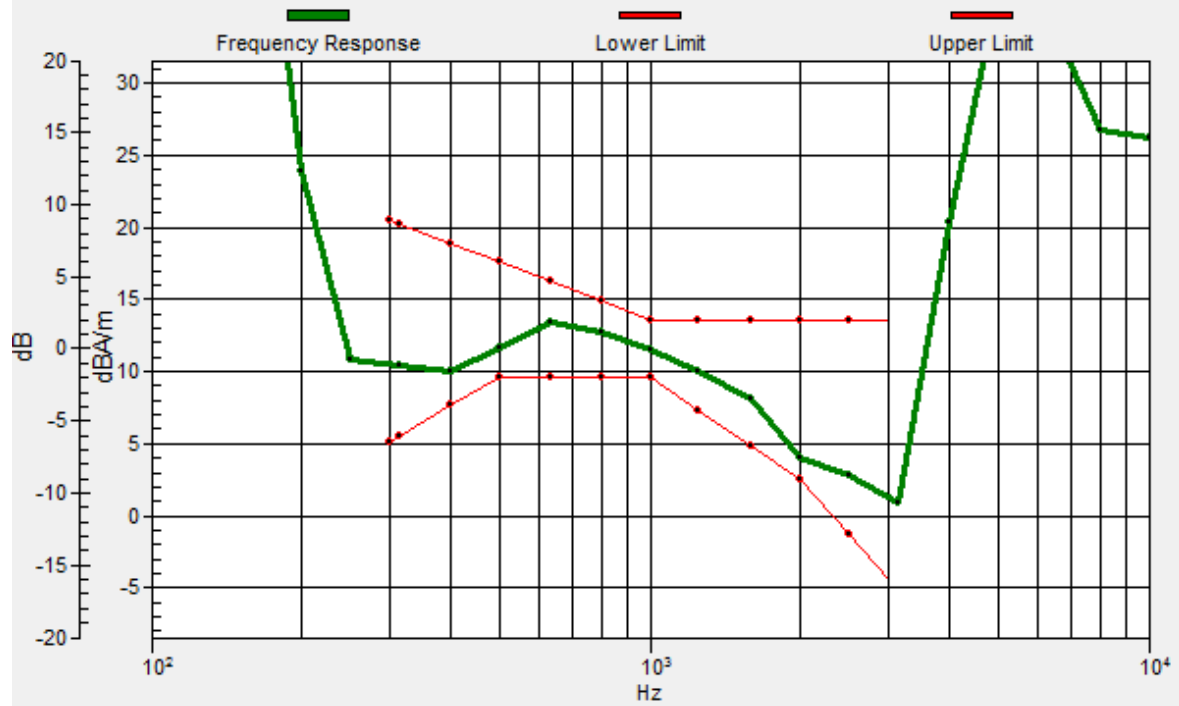
Location: 8.3, 0, 3.7 mm



0 dB = 118.7 = 41.49 dB

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

Loc: 7.8, 0.2, 3.7 mm Diff: 1.4dB



Test Laboratory: SGS-SAR Lab

## BE2012 HAC-T-Coil-WiFi 5G 802.11a 157CH

DUT: BE2012; Type: Smart Phone; Serial: e34a434a

Communication System: UID 0, WI-FI(5GHz) (0); Frequency: 5785 MHz;Duty Cycle: 1:1

Medium: Air;Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2020-05-26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn896; Calibrated: 2020-06-11
- 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 = 40.04 dB

ABM1 comp = 1.49 dBA/m

BWC Factor = 0.16 dB

Location: 4.2, -8.3, 3.7 mm

