

### #01\_HAC\_T-Coil\_GSM850\_Voice(speech codec handset low)\_Ch189\_Axial (Z)

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.3 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

dx=10mm, dy=10mm

ABM1/ABM2 = 31.00 dB

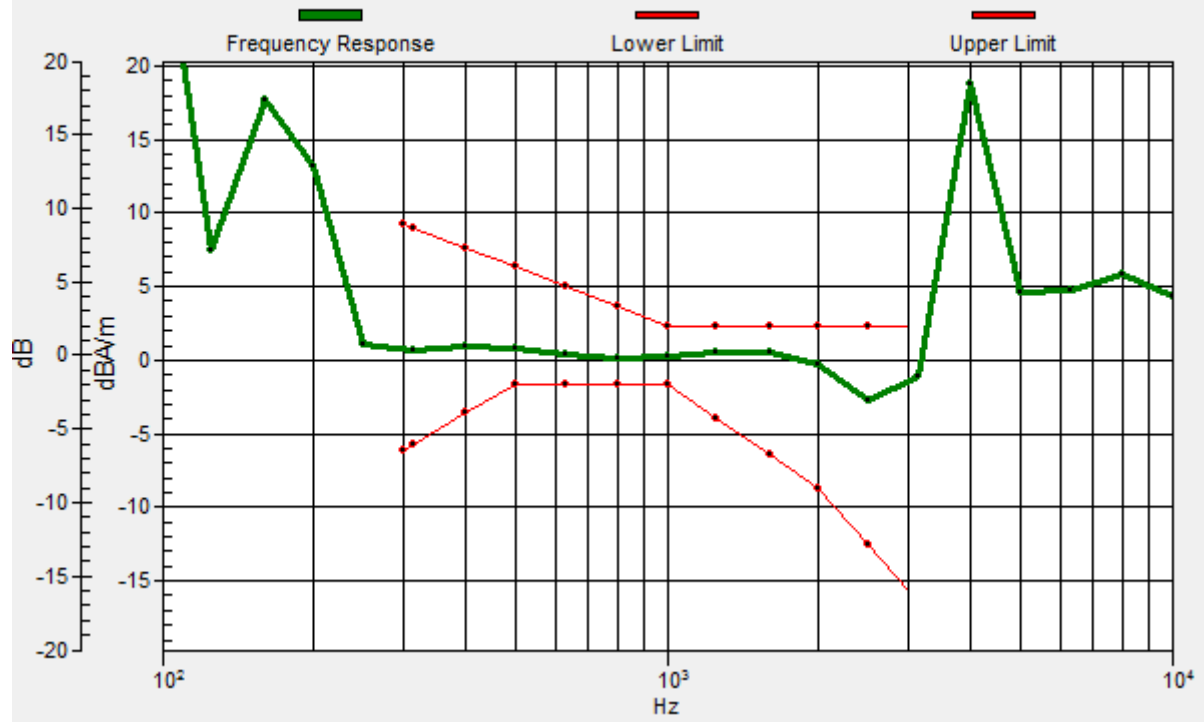
ABM1 comp = -0.28 dBA/m

Location: 4.2, 8.3, 3.7 mm



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

Loc: 4.2, 8.3, 3.7 mm Diff: 1.83dB



# #01\_HAC\_T-Coil\_GSM850\_Voice(speech codec handset low)\_Ch189\_Transversal (Y)

Communication System: GSM850; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.3 °C

## DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

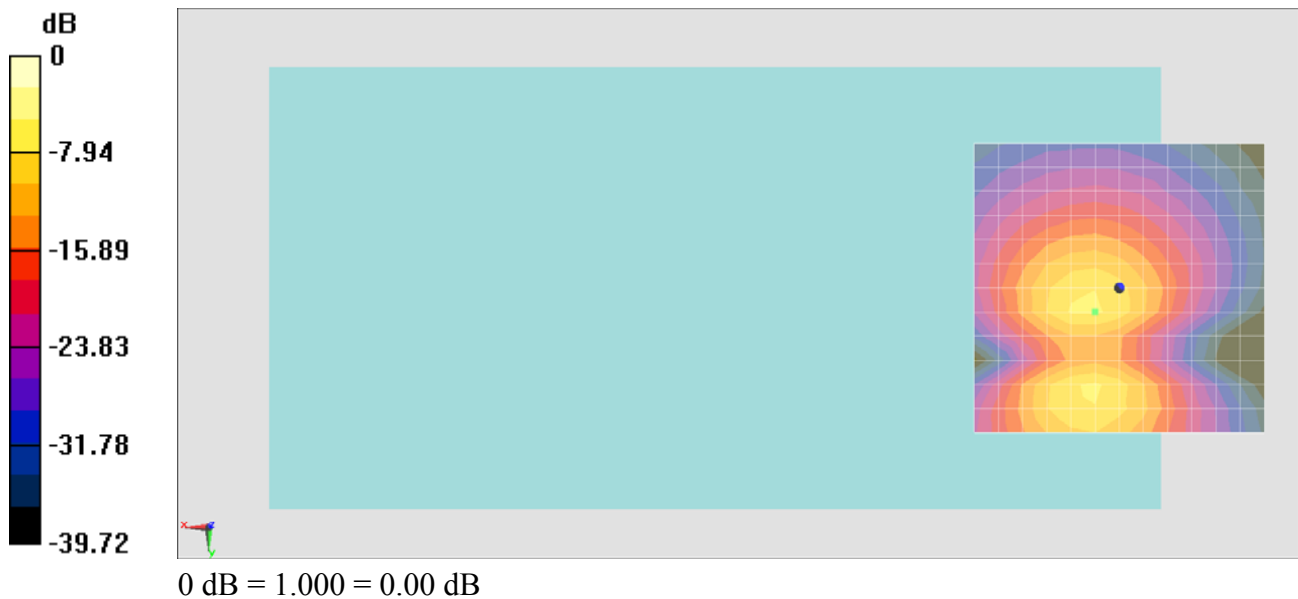
## General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 35.74 dB

ABM1 comp = -7.90 dBA/m

Location: 4.2, 4.2, 3.7 mm



## #02\_HAC\_T-Coil\_GSM1900\_Voice(speech codec handset low)\_Ch661\_Axial (Z)

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.3 °C

### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

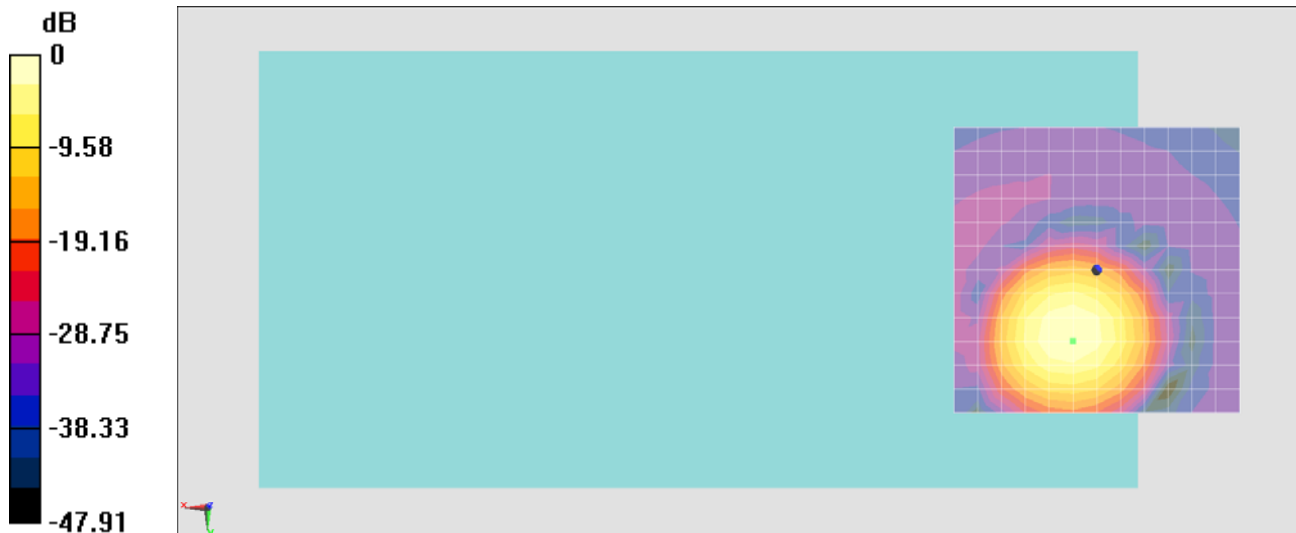
### General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 38.88 dB

ABM1 comp = 0.19 dBA/m

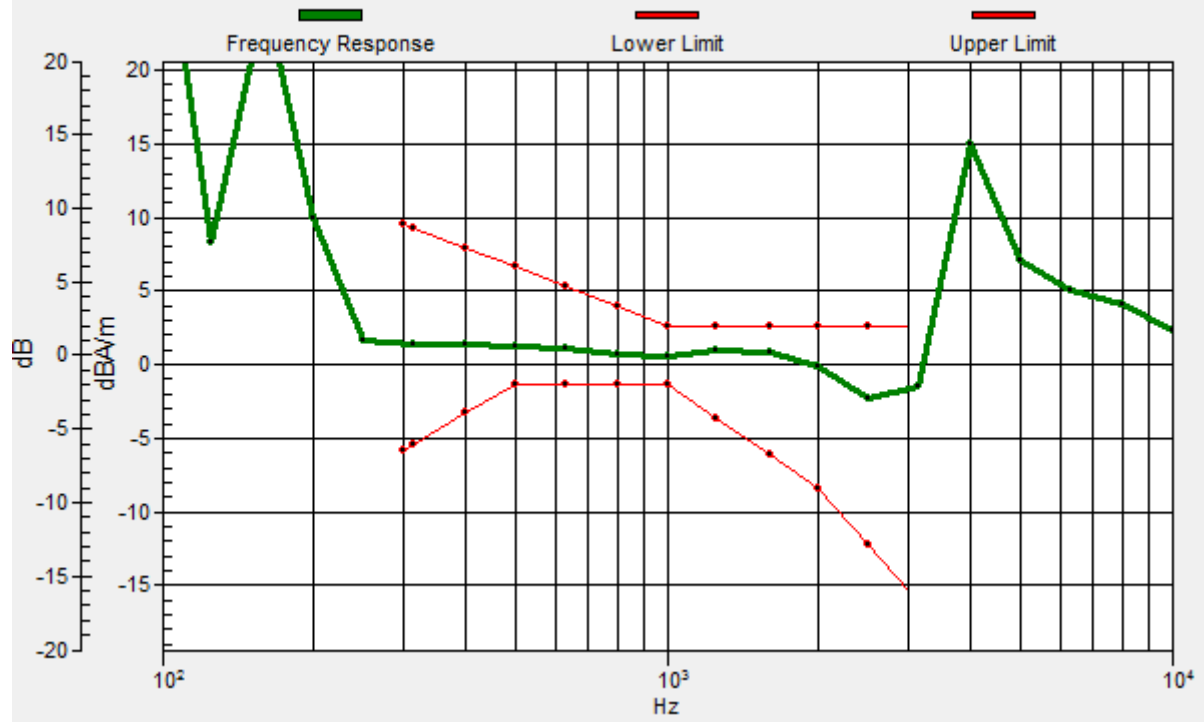
Location: 4.2, 12.5, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

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

Loc: 4.2, 12.5, 3.7 mm Diff: 1.7dB



## #02\_HAC\_T-Coil\_GSM1900\_Voice(speech codec handset low) \_Ch661\_Transversal (Y)

Communication System: PCS; Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.3 °C

### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

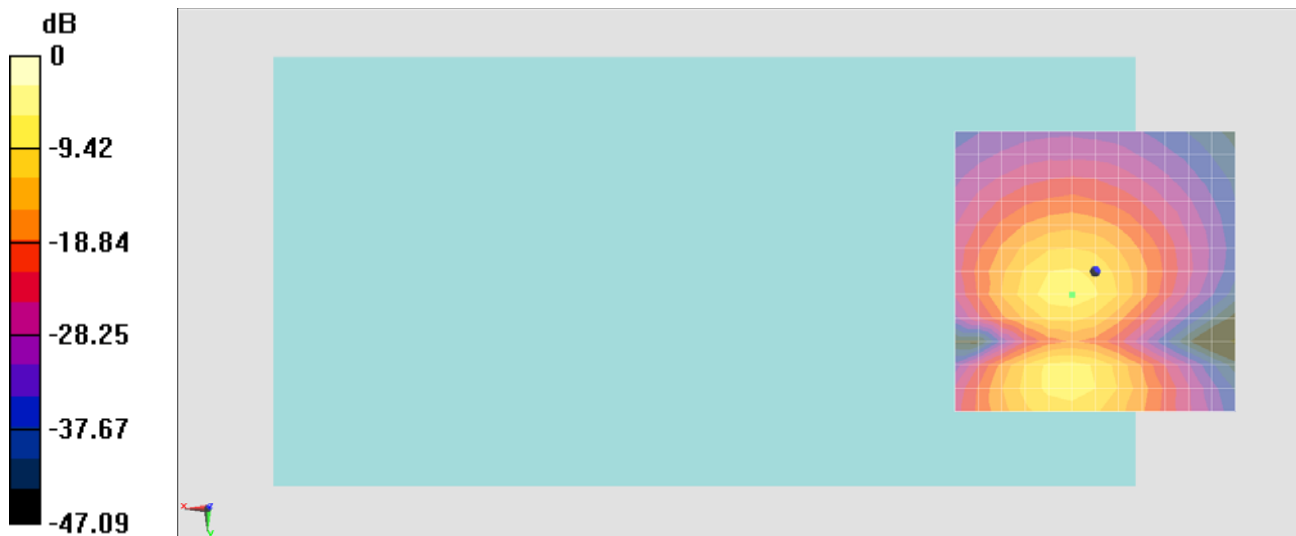
### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 39.03 dB

ABM1 comp = -7.18 dBA/m

Location: 4.2, 4.2, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

### #03\_HAC\_T-Coil\_WCDMA V\_Voice(speech codec low)\_Ch4182\_Axial (Z)

Communication System: WCDMA; 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>

Ambient Temperature : 23.3 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

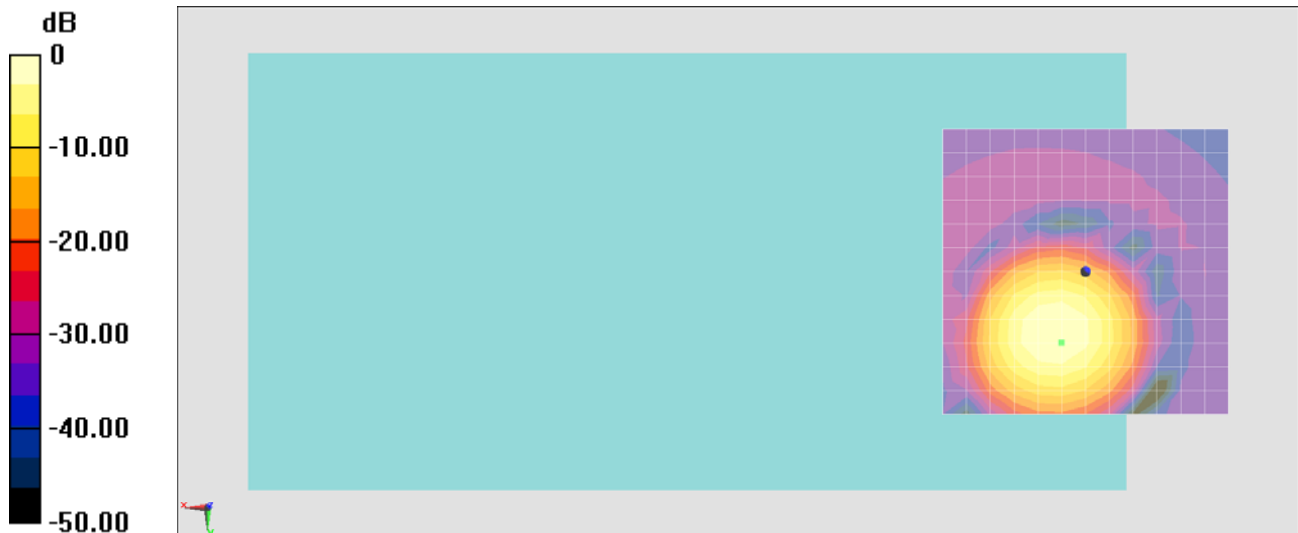
#### General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 44.07 dB

ABM1 comp = 0.33 dBA/m

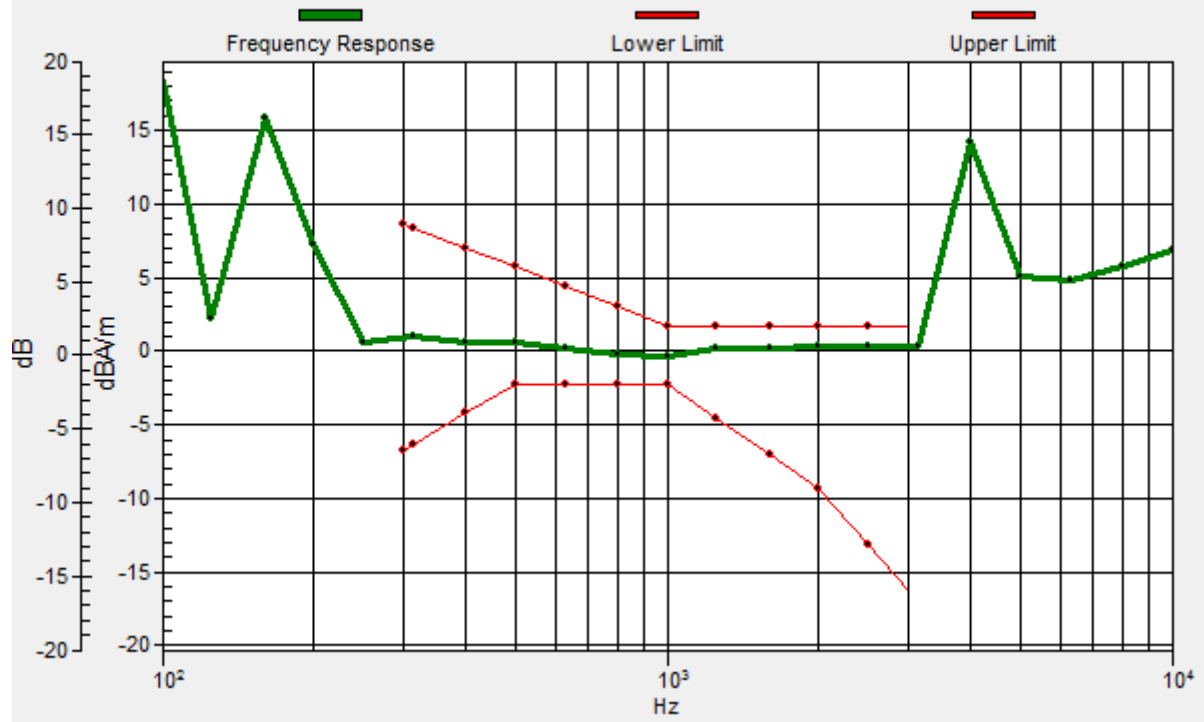
Location: 4.2, 12.5, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

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

Loc: 4.2, 12.5, 3.7 mm Diff: 1.35dB



### #03\_HAC\_T-Coil\_WCDMA V\_Voice(speech codec low)\_Ch4182\_Transversal (Y)

Communication System: WCDMA; 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>

Ambient Temperature : 23.3 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

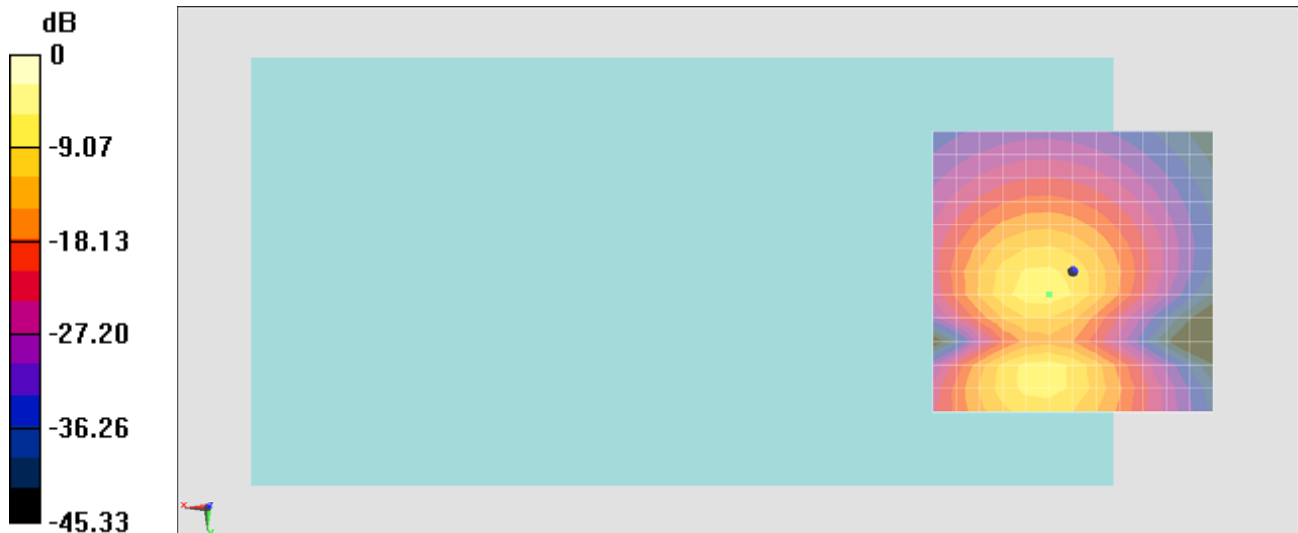
#### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 40.94 dB

ABM1 comp = -7.17 dBA/m

Location: 4.2, 4.2, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

### #04\_HAC\_T-Coil\_WCDMA II\_Voice(speech codec low)\_Ch9400\_Axial (Z)

Communication System: WCDMA; 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>

Ambient Temperature : 23.3 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

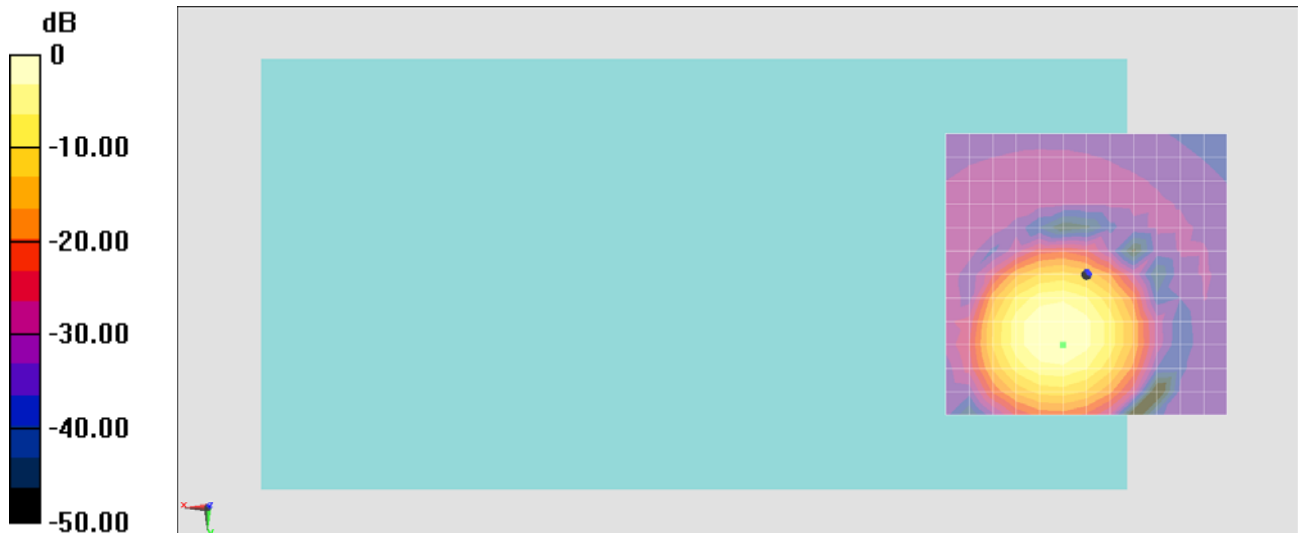
#### General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 43.72 dB

ABM1 comp = 0.41 dBA/m

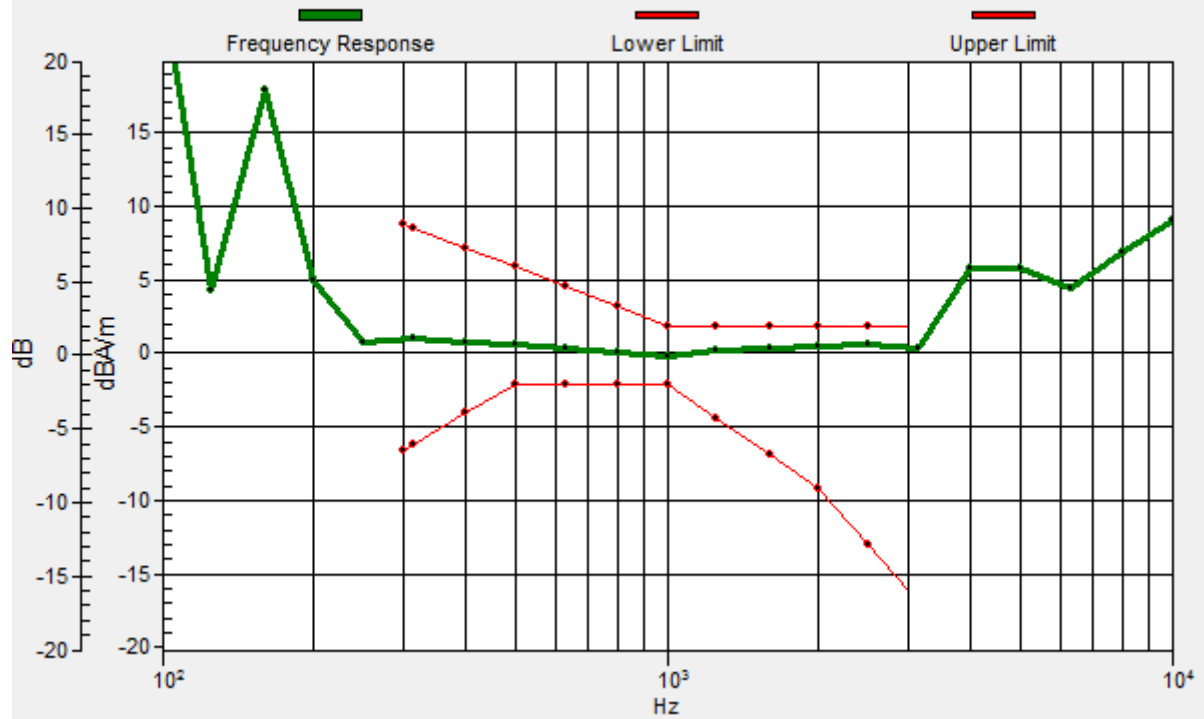
Location: 4.2, 12.5, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

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

Loc: 4.2, 12.5, 3.7 mm Diff: 1.27dB



### #04\_HAC\_T-Coil\_WCDMA II\_Voice(speech codec low)\_Ch9400\_Transversal (Y)

Communication System: WCDMA; 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>

Ambient Temperature : 23.3 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

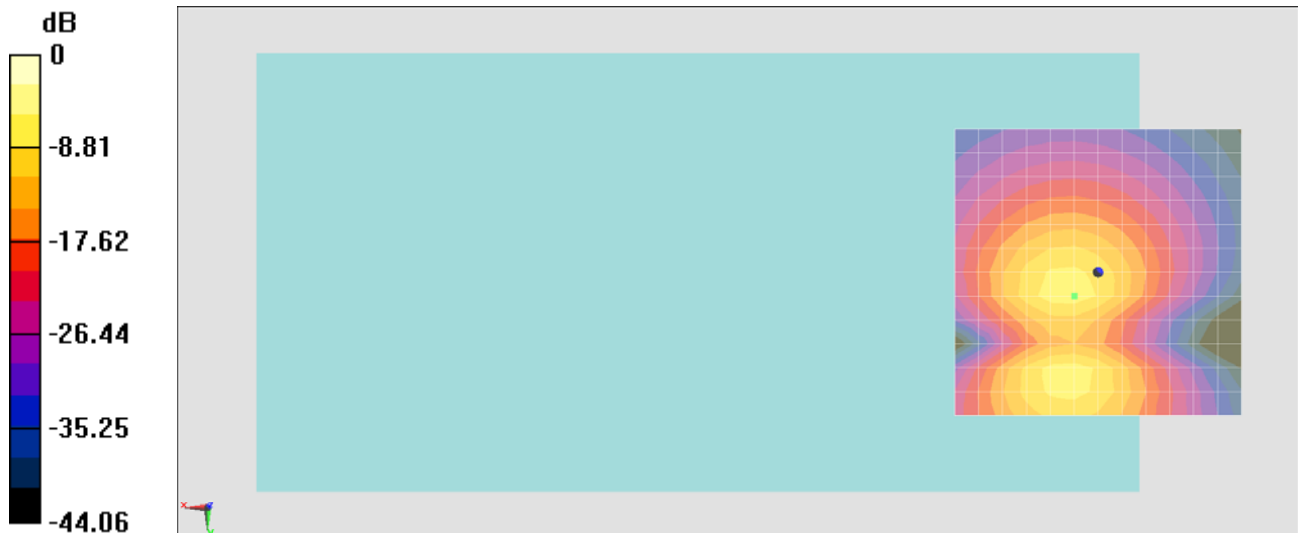
#### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 40.97 dB

ABM1 comp = -7.00 dBA/m

Location: 4.2, 4.2, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

### #05\_HAC\_T-Coil\_WCDMA IV\_Voice(speech codec low)\_Ch1413\_Axial (Z)

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.4 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

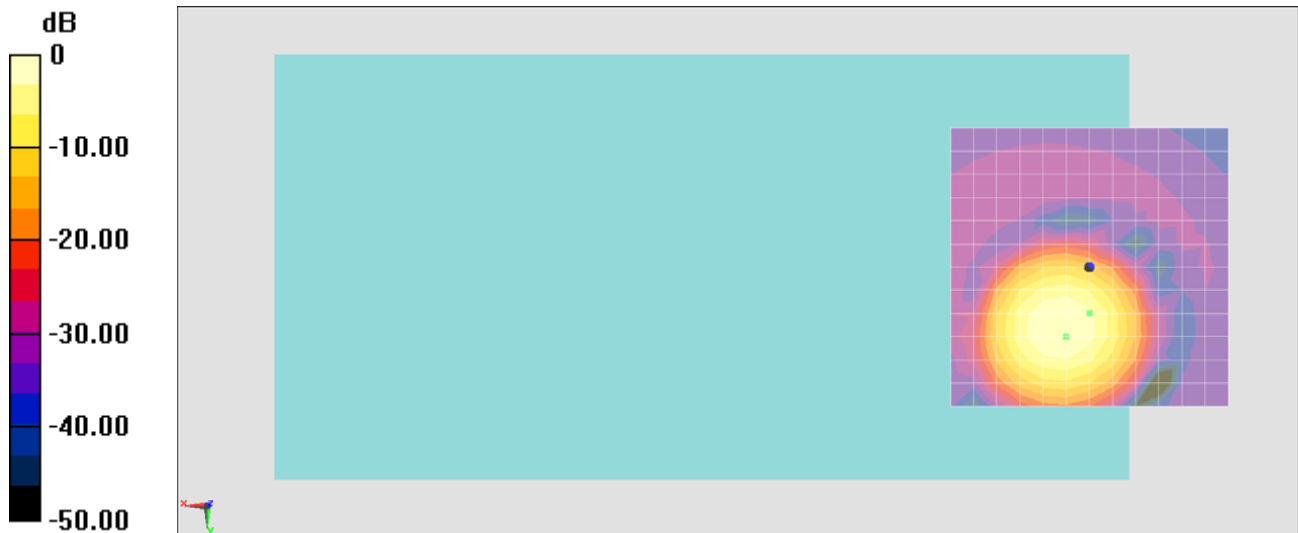
#### General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 45.48 dB

ABM1 comp = -2.09 dBA/m

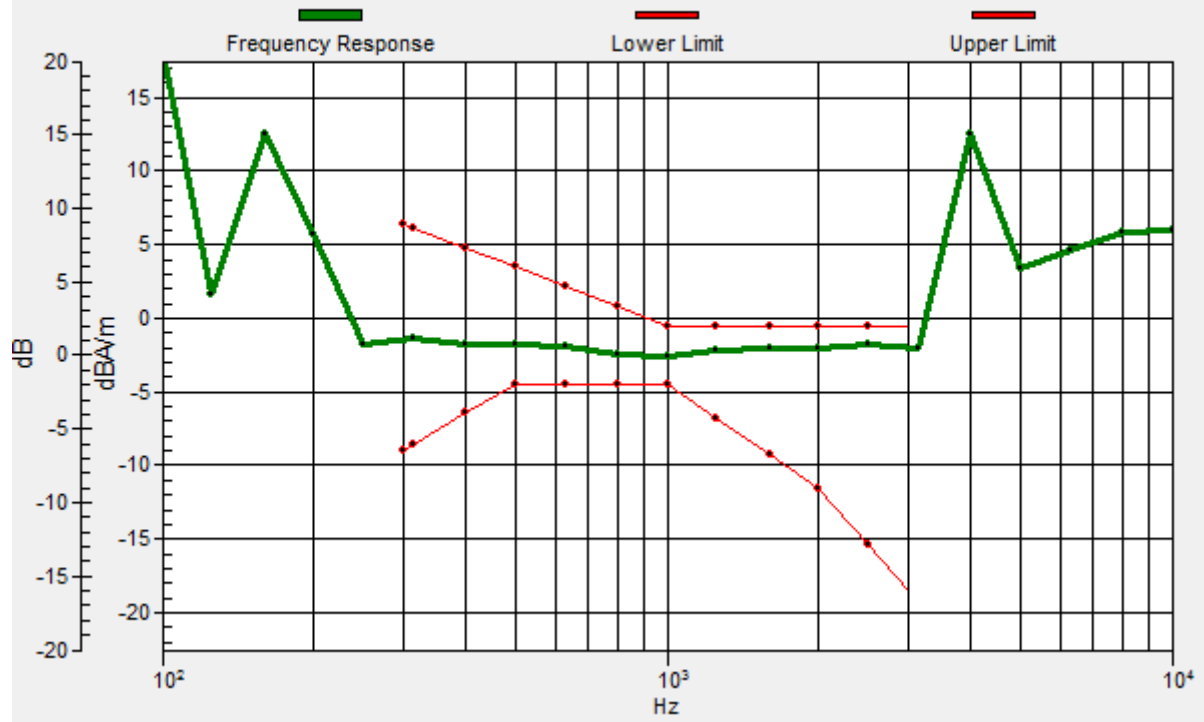
Location: 0, 8.3, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

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

Loc: 0, 8.3, 3.7 mm Diff: 1.23dB



### #05\_HAC\_T-Coil\_WCDMA IV\_Voice(speech codec low)\_Ch1413\_Transversal (Y)

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.4 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

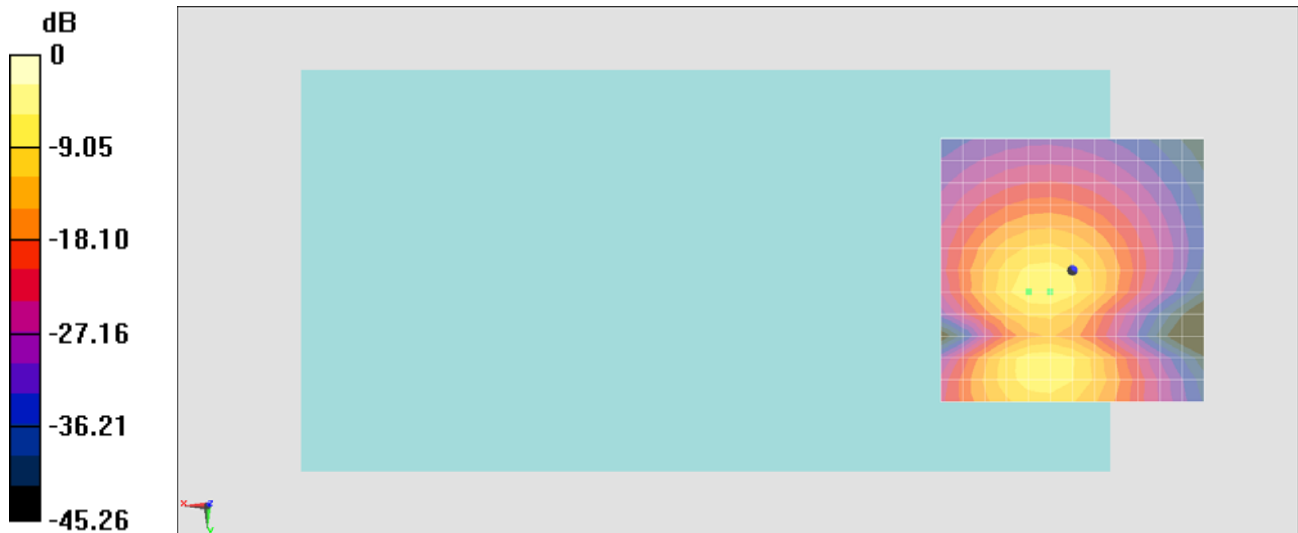
#### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 41.25 dB

ABM1 comp = -6.73 dBA/m

Location: 8.3, 4.2, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

### #06\_HAC\_T-Coil\_CDMA2000 BC10\_RC1+SO3 Voice codec\_8K Enhanced low\_Ch580\_Axial (Z)

Communication System: CDMA; Frequency: 820.5 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.4 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

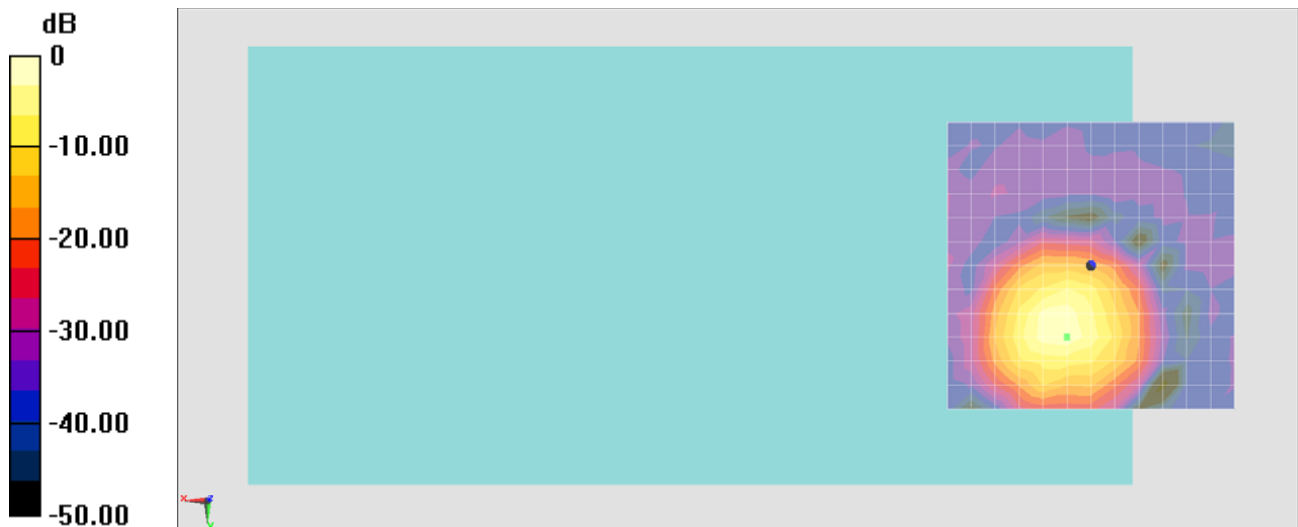
#### General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 48.28 dB

ABM1 comp = -0.74 dBA/m

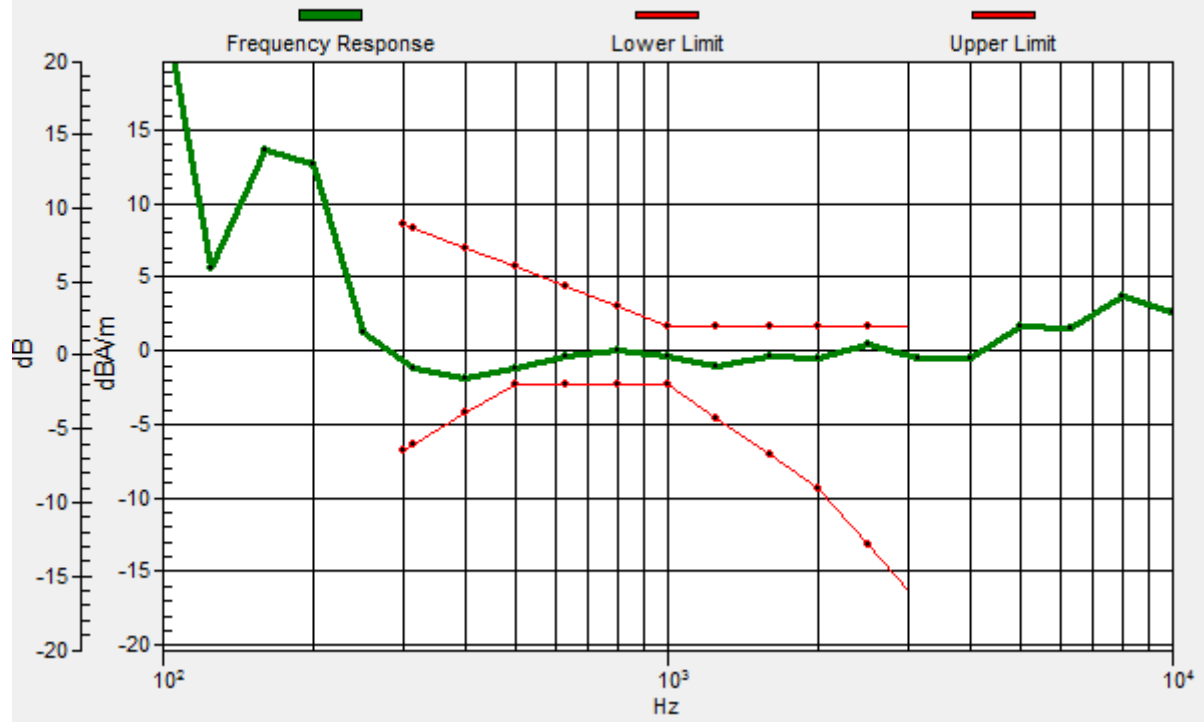
Location: 4.2, 12.5, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

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

Loc: 4.2, 12.5, 3.7 mm Diff: 1.16dB



### #06\_HAC\_T-Coil\_CDMA2000 BC10\_RC1+SO3 Voice codec\_8K Enhanced low\_Ch580\_Transversal (Y)

Communication System: CDMA; Frequency: 820.5 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.4 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

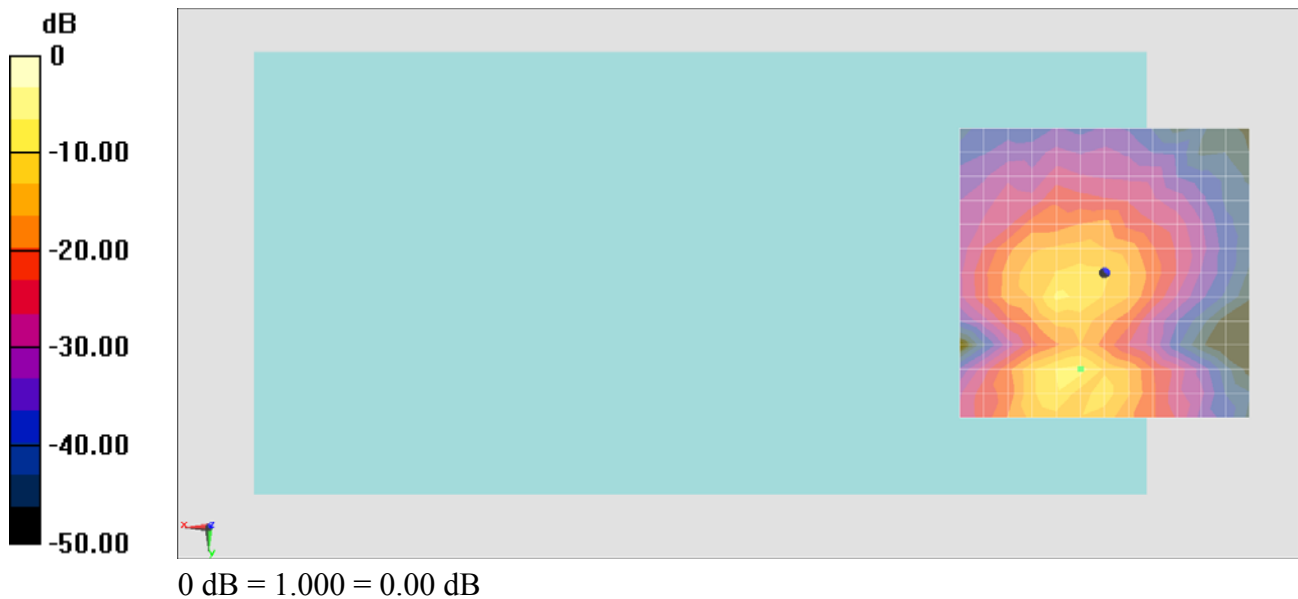
#### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 41.26 dB

ABM1 comp = -7.76 dBA/m

Location: 4.2, 16.7, 3.7 mm



### #07\_HAC\_T-Coil\_CDMA2000 BC0\_RC1+SO3 Voice codec\_8K Enhanced low\_Ch384\_Axial (Z)

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.3 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

dx=10mm, dy=10mm

ABM1/ABM2 = 47.64 dB

ABM1 comp = -0.48 dBA/m

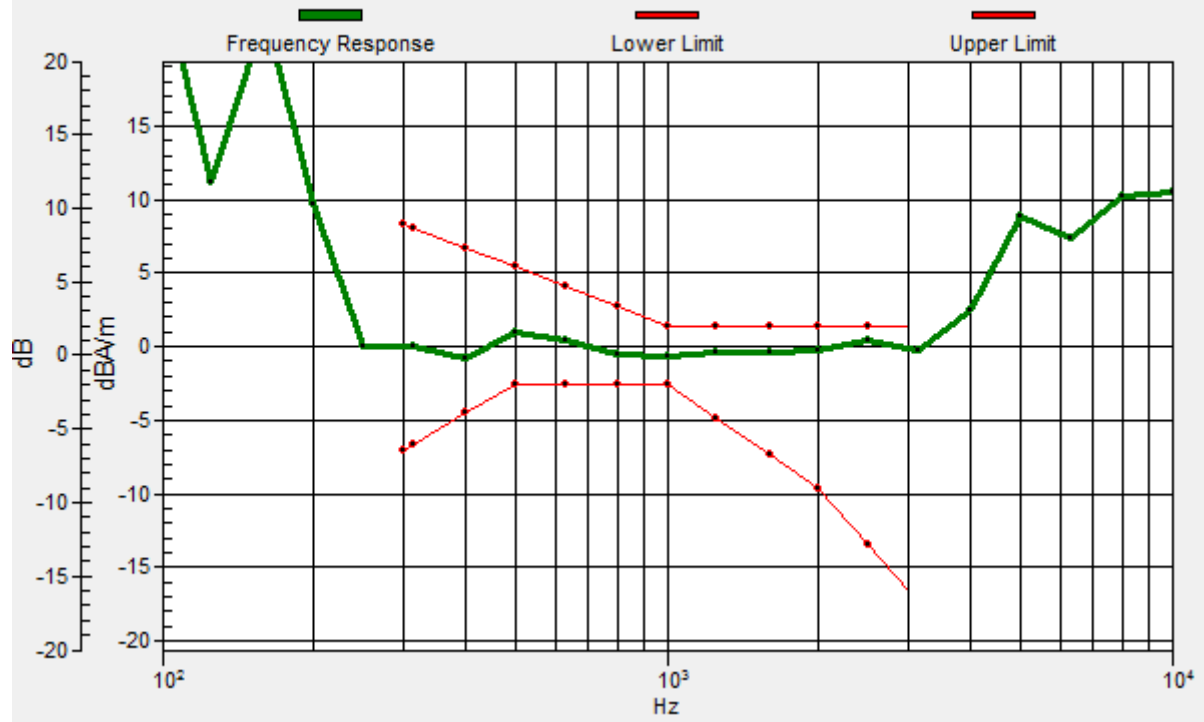
Location: 4.2, 12.5, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

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

Loc: 4.2, 12.5, 3.7 mm Diff: 0.92dB



### #07\_HAC\_T-Coil\_CDMA2000\_BC0\_RC1+SO3 Voice codec\_8K Enhanced low\_Ch384\_Transversal (Y)

Communication System: CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.3 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

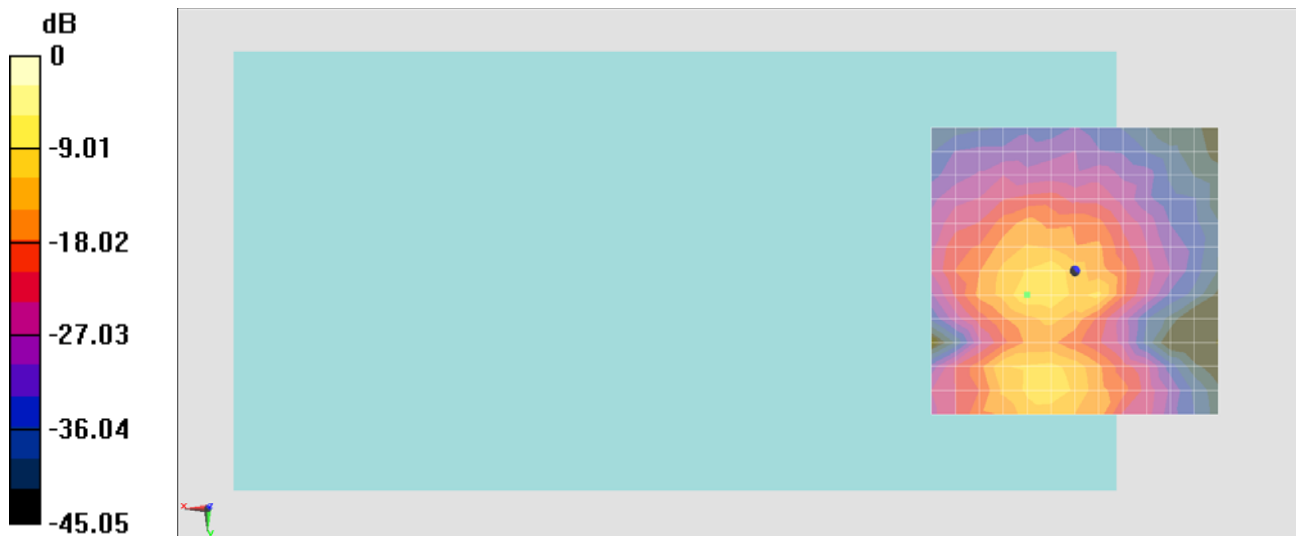
#### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 39.14 dB

ABM1 comp = -9.15 dBA/m

Location: 8.3, 4.2, 3.7 mm



0 dB = 1.000 A/m = 0.00 dBA/m

### #08\_HAC\_T-Coil\_CDMA2000 BC1\_RC1+SO3 Voice codec\_8K Enhanced low\_Ch600\_Axial (Z)

Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.3 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

dx=10mm, dy=10mm

ABM1/ABM2 = 42.80 dB

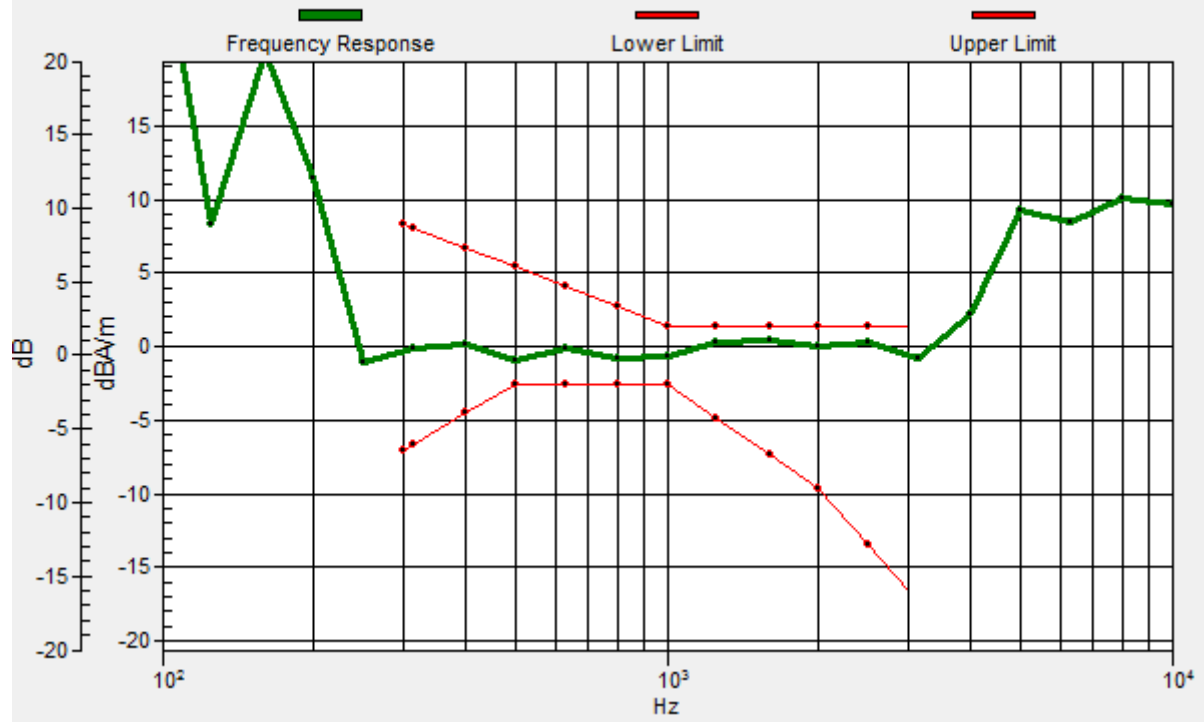
ABM1 comp = -3.39 dBA/m

Location: 4.2, 12.5, 3.7 mm



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

Loc: 4.2, 12.5, 3.7 mm Diff: 0.99dB



### #08\_HAC\_T-Coil\_CDMA2000 BC1\_RC1+SO3 Voice codec\_8K Enhanced low\_Ch600\_Transversal (Y)

Communication System: CDMA; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.3 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2015/1/28
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1279; Calibrated: 2014/7/23
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

#### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 41.27 dB

ABM1 comp = -8.09 dBA/m

Location: 4.2, 16.7, 3.7 mm

