

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

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

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

Ambient Temperature : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 29.24 dB

ABM1 comp = 4.95 dBA/m

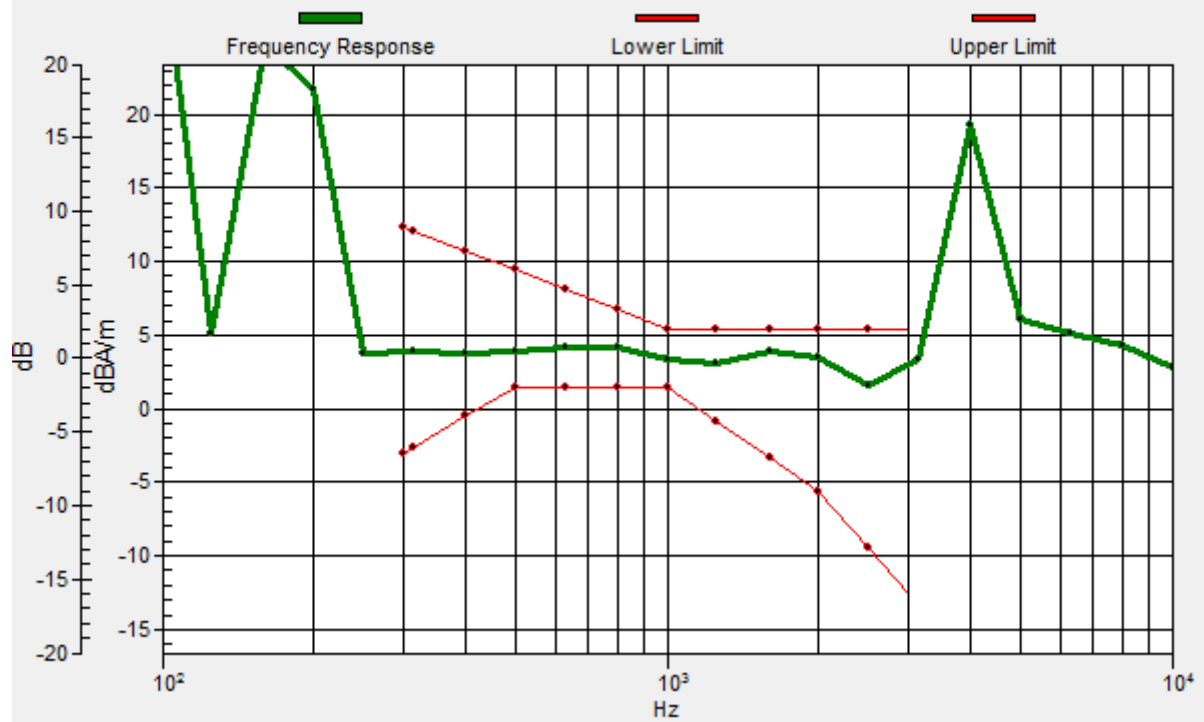
Location: 0, 0, 3.7 mm



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, 0, 3.7 mm Diff: 1.58dB



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

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

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

Ambient Temperature : 23.6 °C

## DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 29.49 dB

ABM1 comp = -11.00 dBA/m

Location: 0, 16.7, 3.7 mm



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

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

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

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

Ambient Temperature : 23.6 °C

### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 28.17 dB

ABM1 comp = 3.26 dBA/m

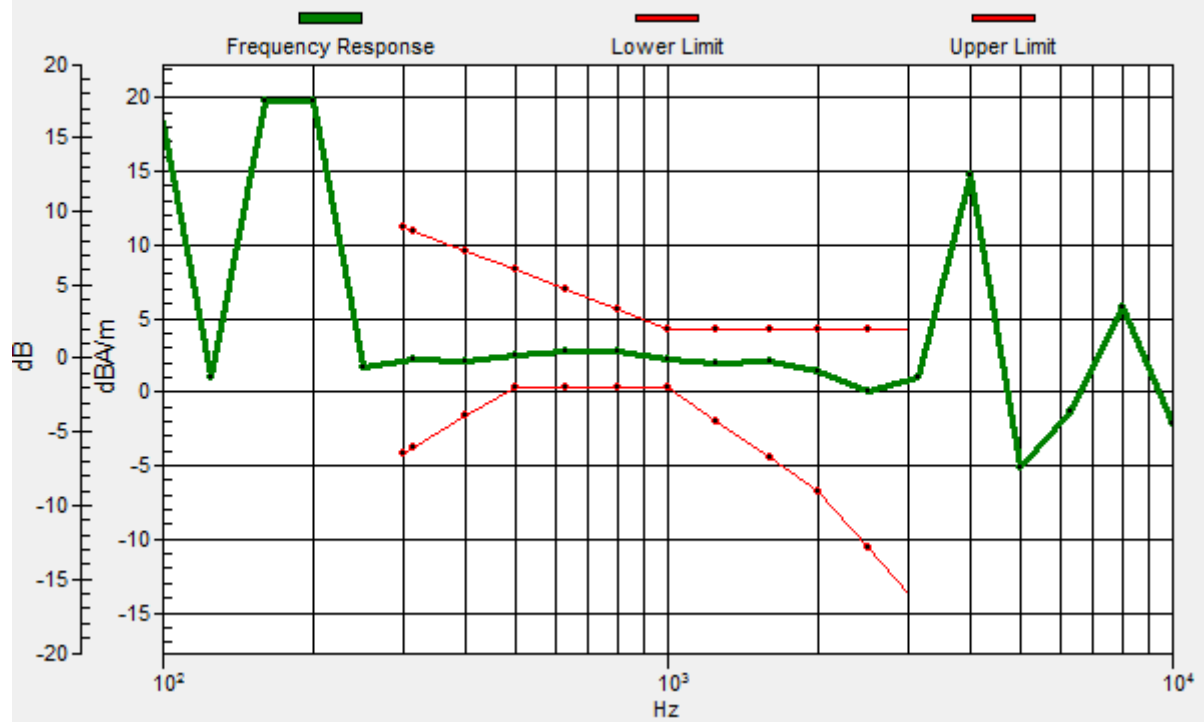
Location: -4.2, 0, 3.7 mm



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, 0, 3.7 mm Diff: 2dB



## #02\_HAC\_T-Coil\_GSM1900\_Voice(speech codehandset 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 : 23.6 °C

### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

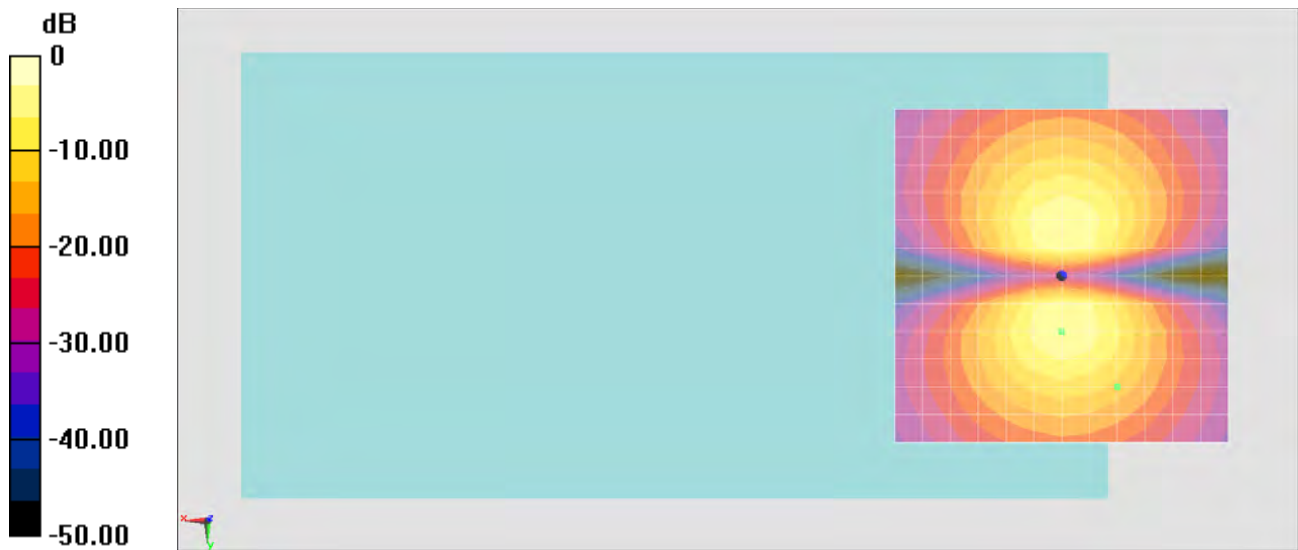
### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 30.32 dB

ABM1 comp = -14.30 dBA/m

Location: -8.3, 16.7, 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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 30.81 dB

ABM1 comp = 3.01 dBA/m

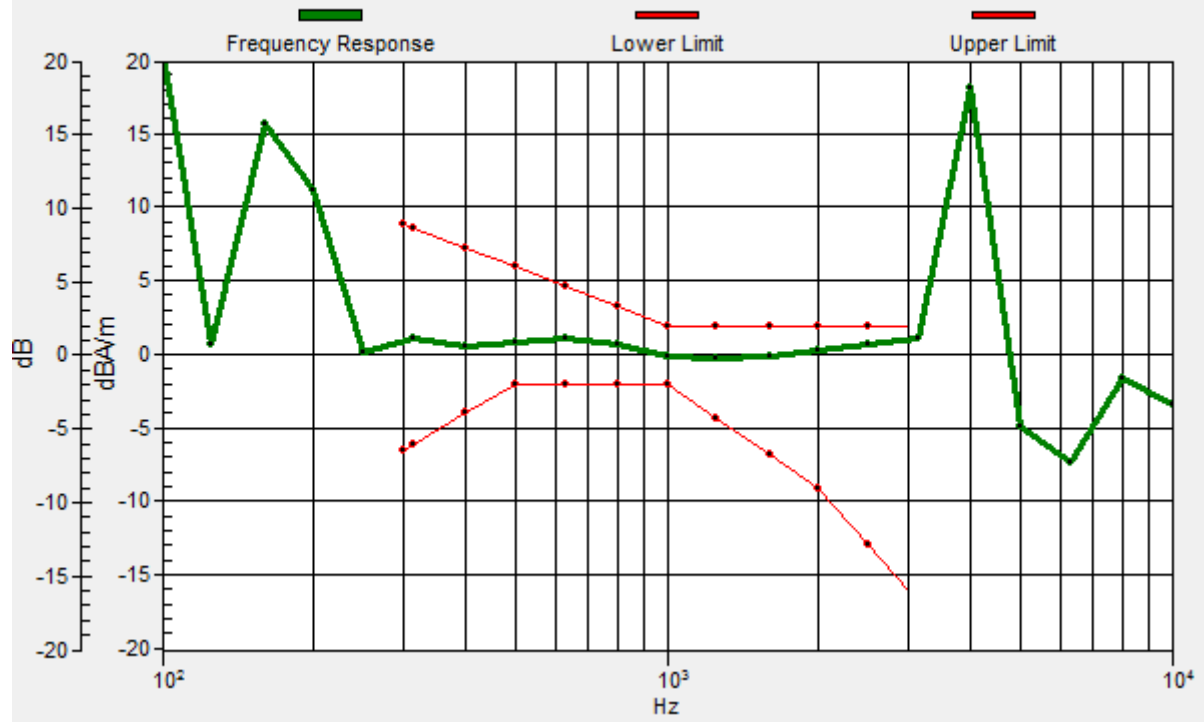
Location: 0, 4.2, 3.7 mm



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, 4.2, 3.7 mm Diff: 0.97dB



### #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 : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 31.81 dB

ABM1 comp = -14.16 dBA/m

Location: -12.5, 8.3, 3.7 mm



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

### #04\_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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

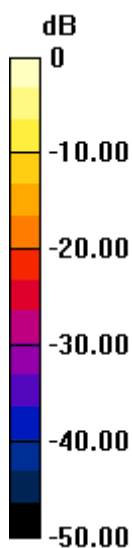
#### General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 30.57 dB

ABM1 comp = -5.61 dBA/m

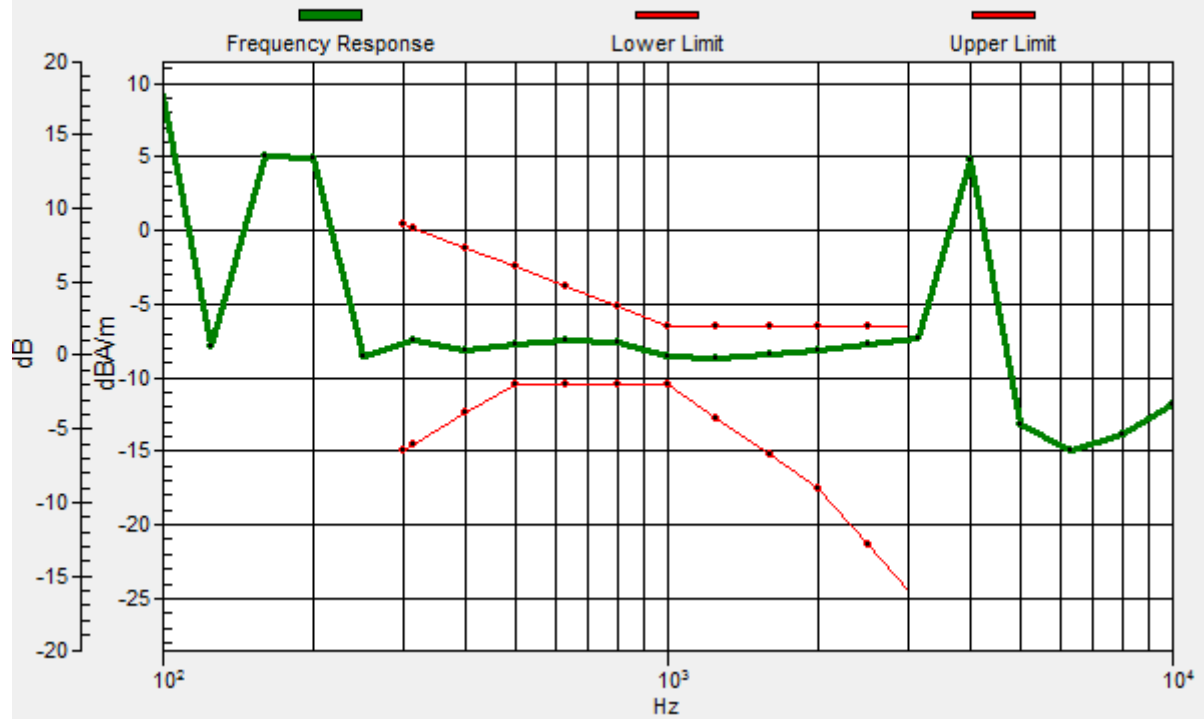
Location: -8.3, -4.2, 3.7 mm



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: -8.3, -4.2, 3.7 mm Diff: 0.96dB



### #04\_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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

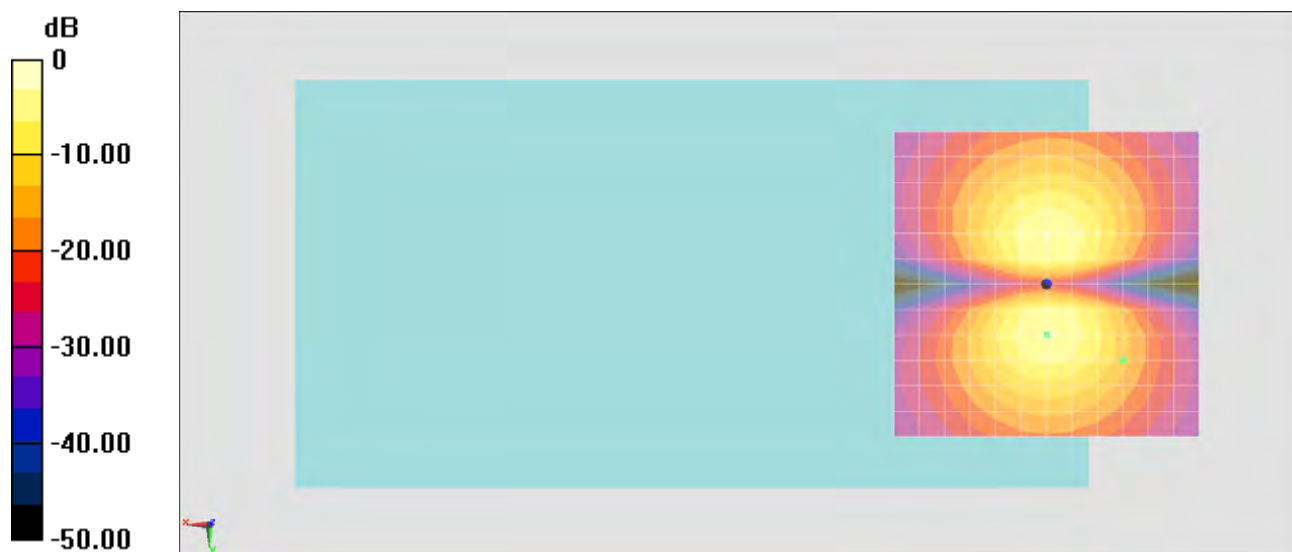
#### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 32.00 dB

ABM1 comp = -15.15 dBA/m

Location: -12.5, 12.5, 3.7 mm



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

### #05\_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 : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 30.85 dB

ABM1 comp = 1.95 dBA/m

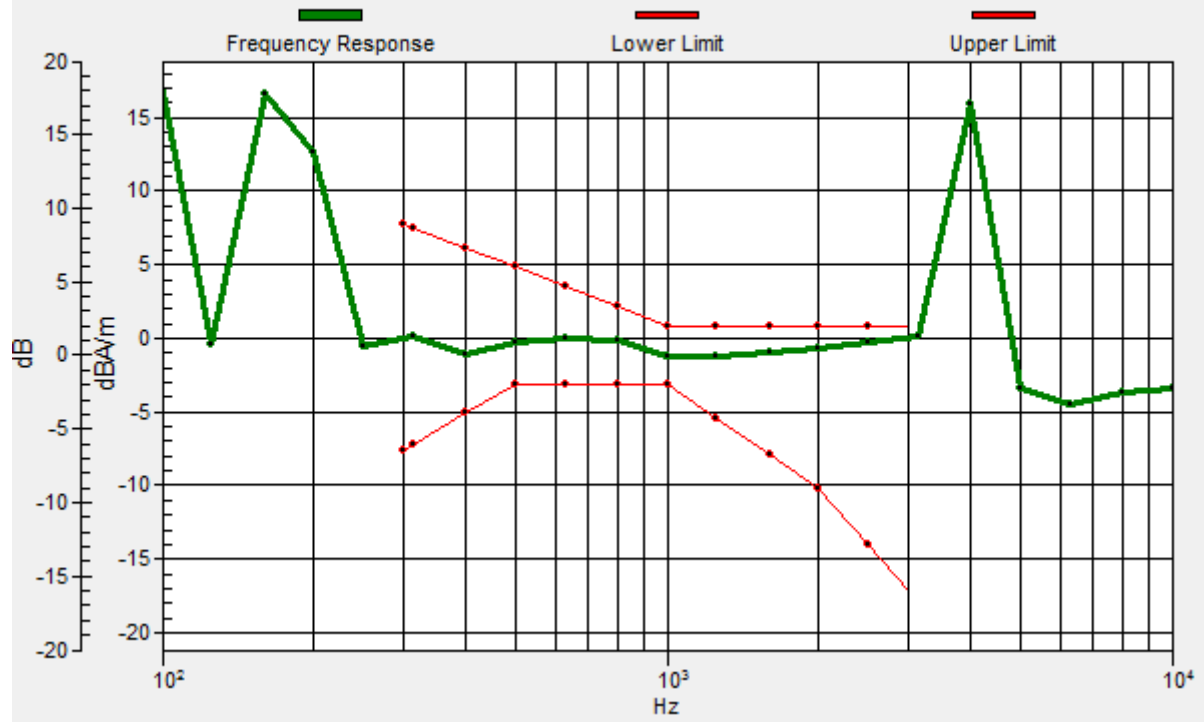
Location: -4.2, -4.2, 3.7 mm



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, -4.2, 3.7 mm Diff: 0.83dB



### #05\_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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 31.78 dB

ABM1 comp = -14.78 dBA/m

Location: -12.5, 8.3, 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 : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 51.65 dB

ABM1 comp = 2.14 dBA/m

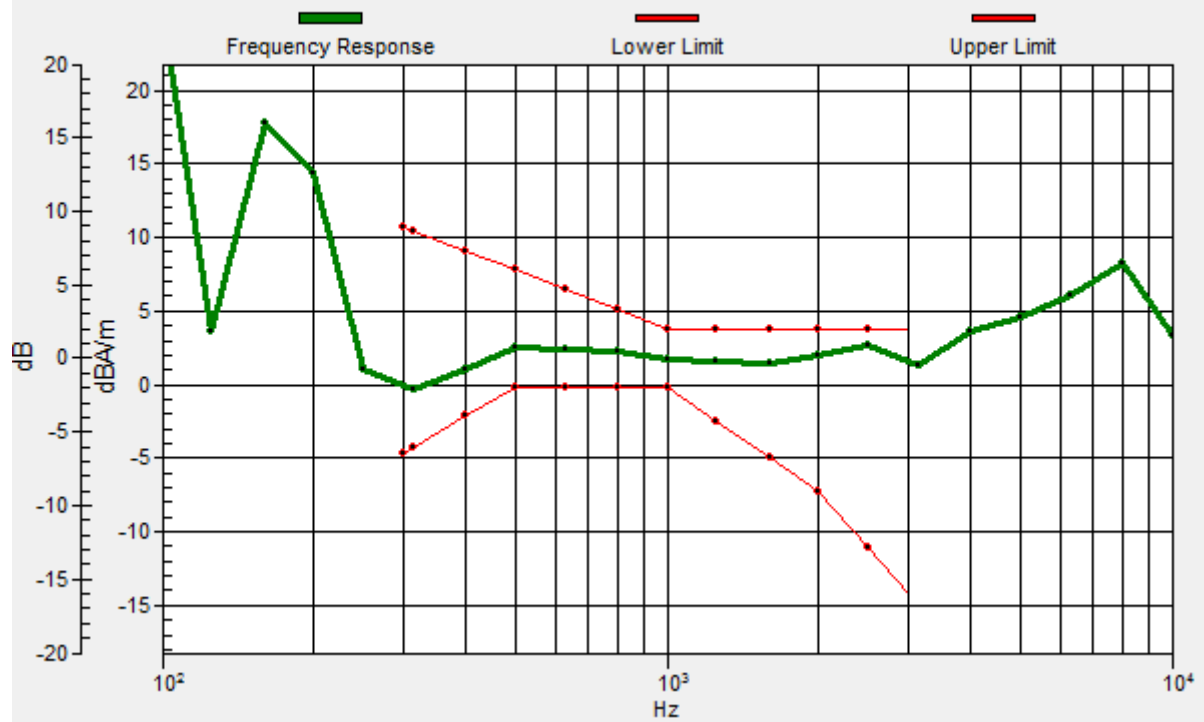
Location: 0, 0, 3.7 mm



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, 0, 3.7 mm Diff: 1.14dB



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

Ambient Temperature : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 41.90 dB

ABM1 comp = -5.36 dBA/m

Location: 0, 8.3, 3.7 mm



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

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

Ambient Temperature : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 51.00 dB

ABM1 comp = 0.35 dBA/m

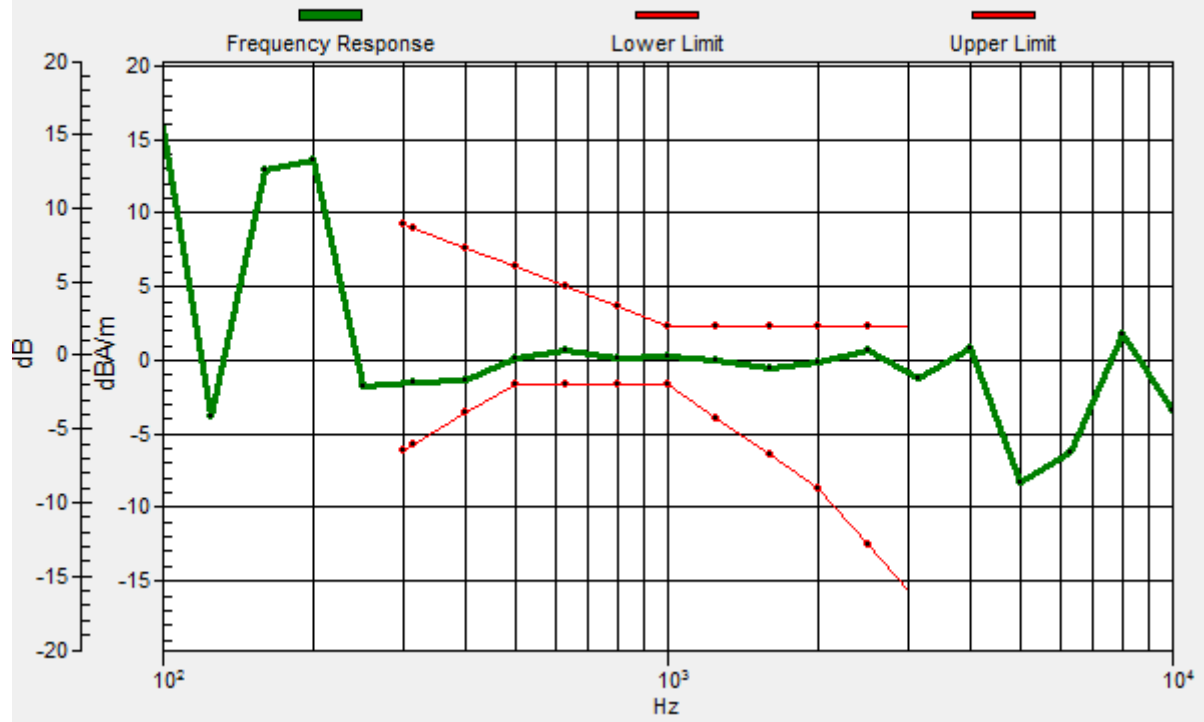
Location: -4.2, 0, 3.7 mm



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, 0, 3.7 mm Diff: 1.65dB



### #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 : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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 = 40.49 dB

ABM1 comp = -6.71 dBA/m

Location: 0, 8.3, 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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

Ambient Temperature : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

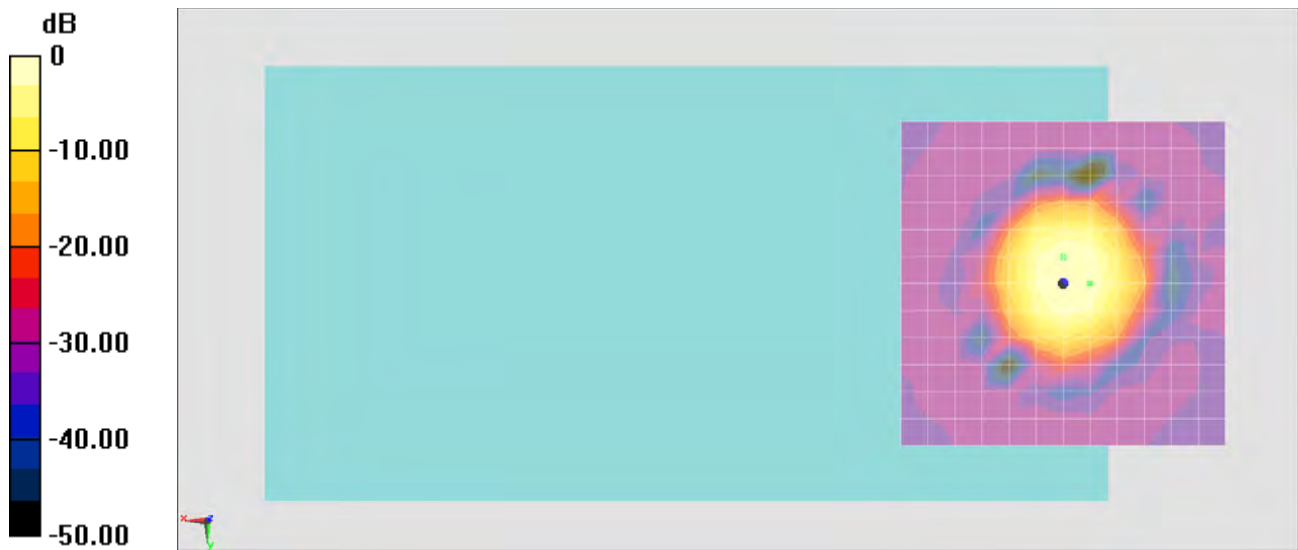
#### General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 52.34 dB

ABM1 comp = 0.85 dBA/m

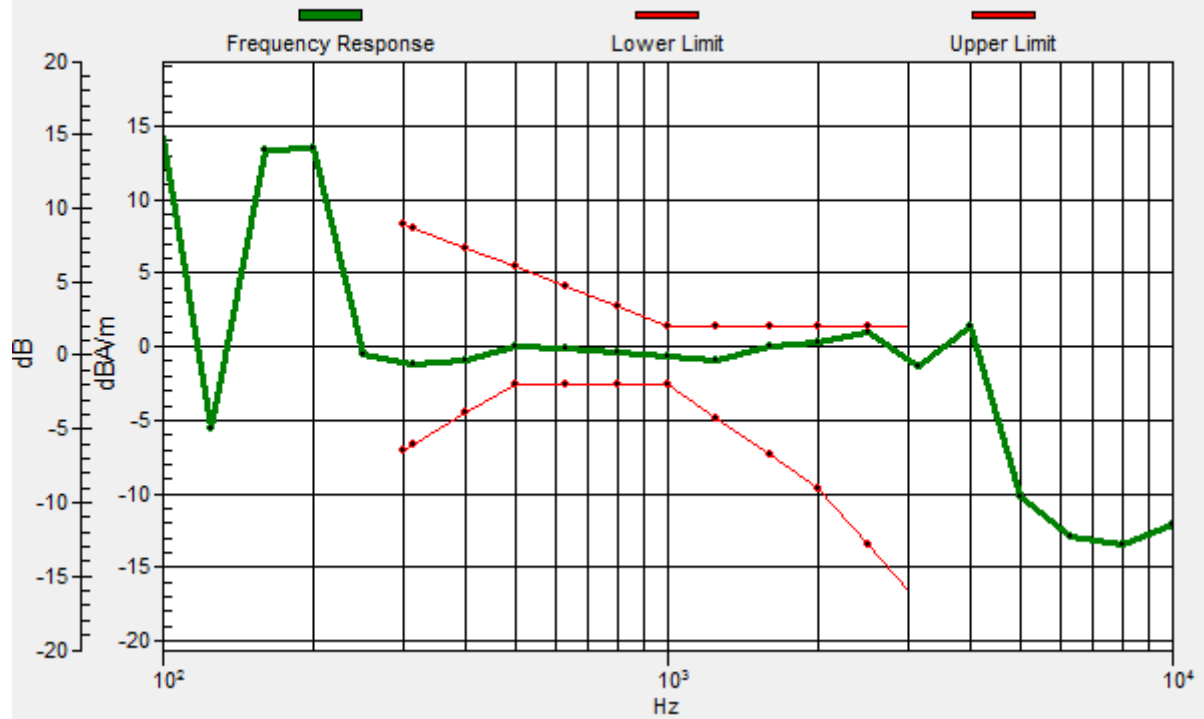
Location: -4.2, 0, 3.7 mm



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, 0, 3.7 mm Diff: 0.5dB



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

Ambient Temperature : 23.6 °C

#### DASY5 Configuration

- Probe: AM1DV2 - 1038; ; Calibrated: 2014/1/29
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1388; Calibrated: 2014/9/24
- 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)

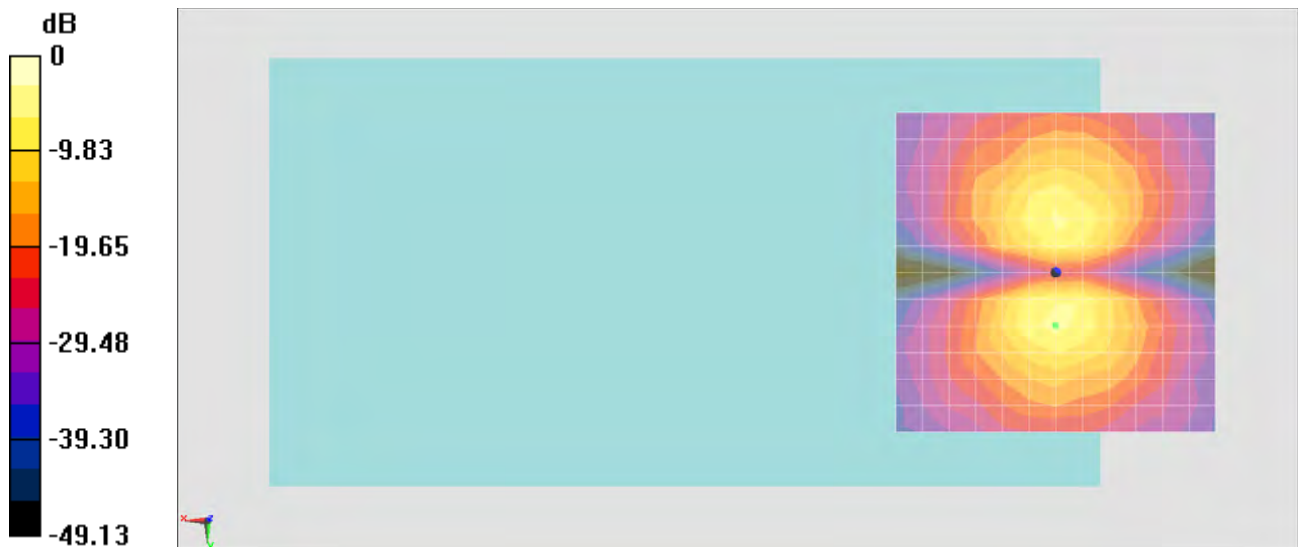
#### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement

grid: dx=10mm, dy=10mm

ABM1/ABM2 = 42.07 dB

ABM1 comp = -5.17 dBA/m

Location: 0, 8.3, 3.7 mm



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