

**#01\_HAC\_T-Coil\_GSM850\_Voice\_Ch189\_Axial (Z)**

Communication System: GSM850; Frequency: 836.4 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

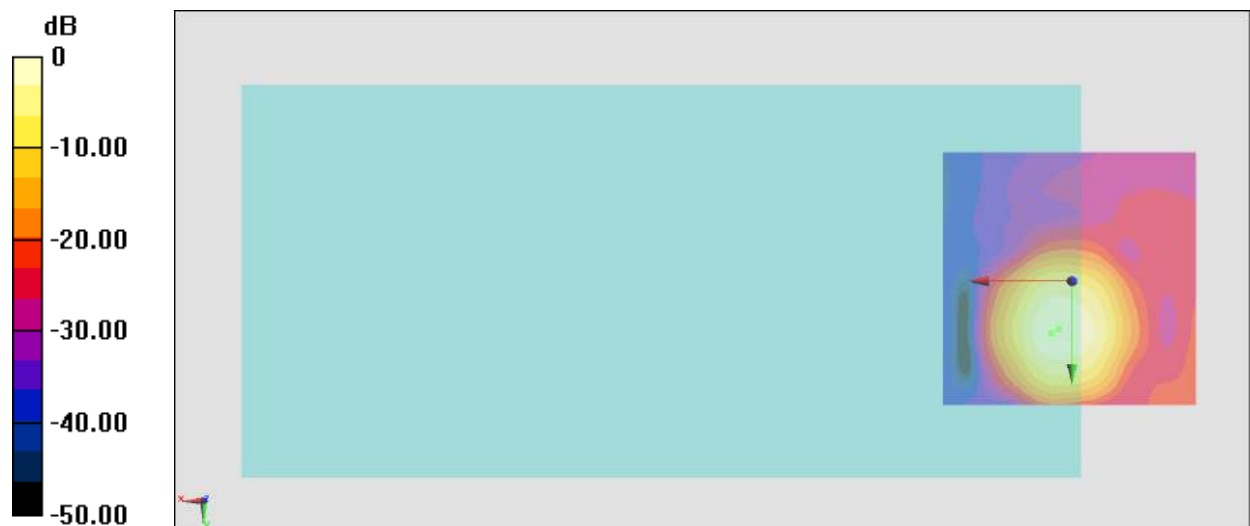
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.56 dB

ABM1 comp = 2.67 dBA/m

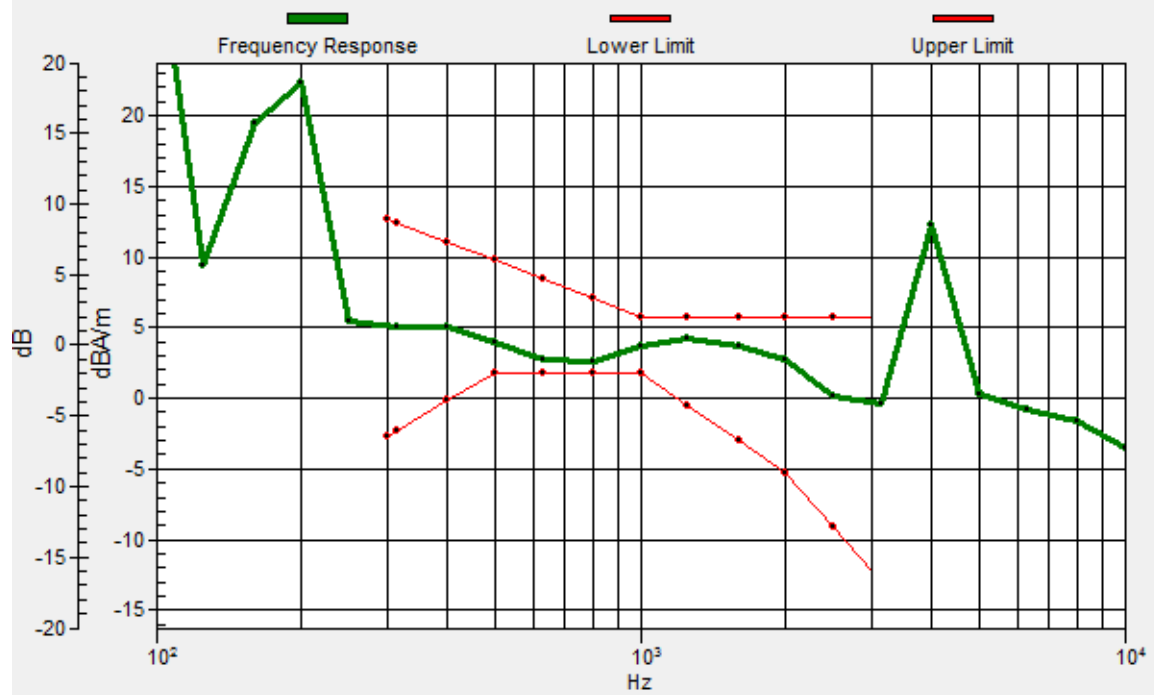
Location: 2.6, 9.3, 3.7 mm



0 dB = 53.44 = 34.56 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.89dB



**#01\_HAC\_T-Coil\_GSM850\_Voice\_Ch189\_Transversal (Y)**

Communication System: GSM850; Frequency: 836.4 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

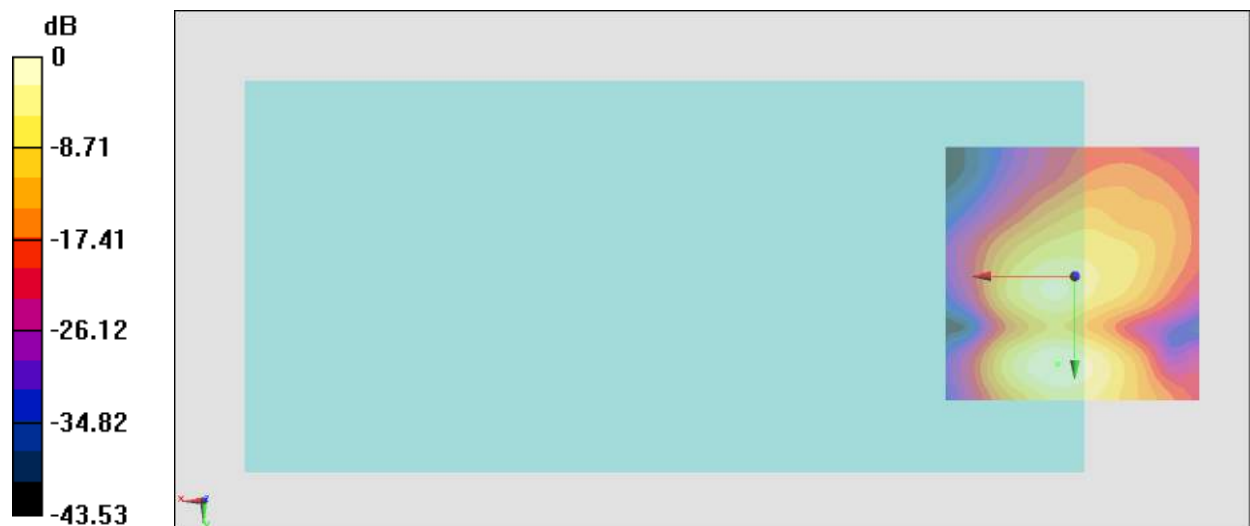
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.31 dB

ABM1 comp = -4.39 dBA/m

Location: 3.3, 17, 3.7 mm



0 dB = 65.36 = 36.31 dB

**#02\_HAC\_T-Coil\_GSM1900\_Voice\_Ch661\_Axial (Z)**

Communication System: PCS ; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

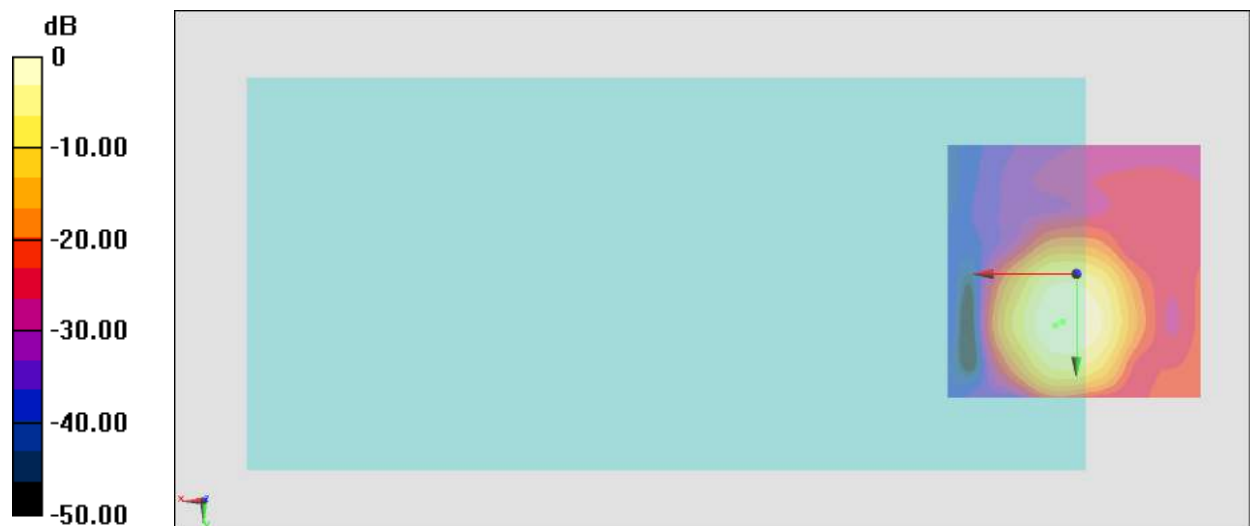
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.67 dB

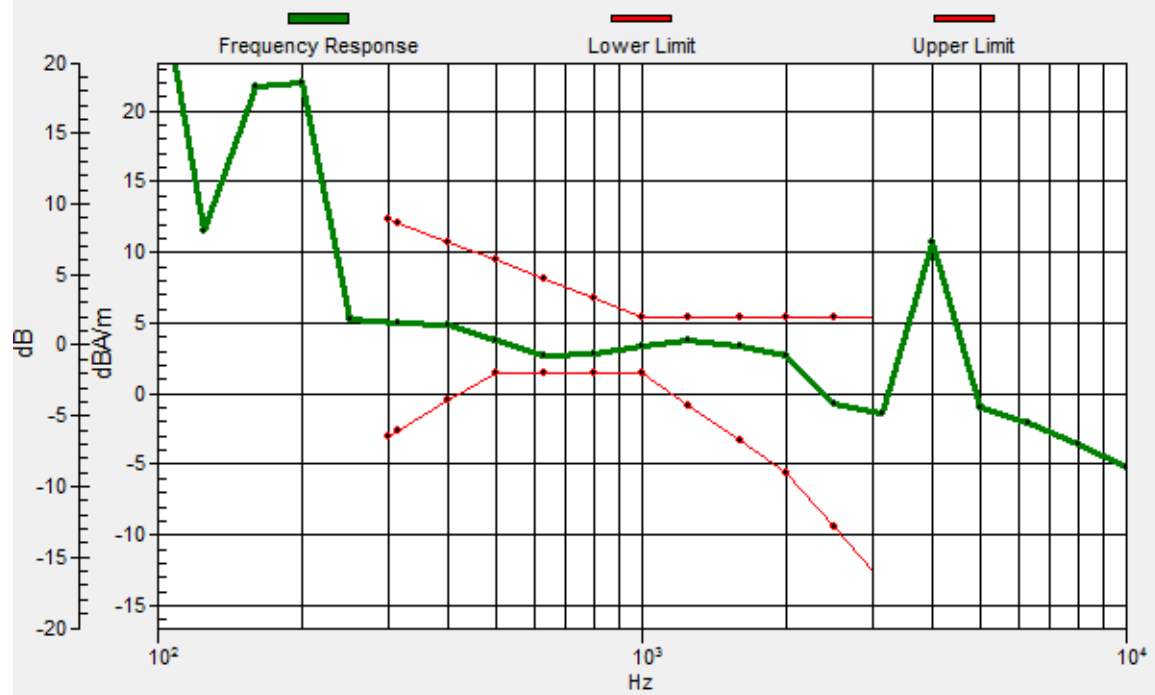
ABM1 comp = 2.45 dBA/m

Location: 2.6, 9.3, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 1.29dB



**#02\_HAC\_T-Coil\_GSM1900\_Voice\_Ch661\_Transversal (Y)**

Communication System: PCS ; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

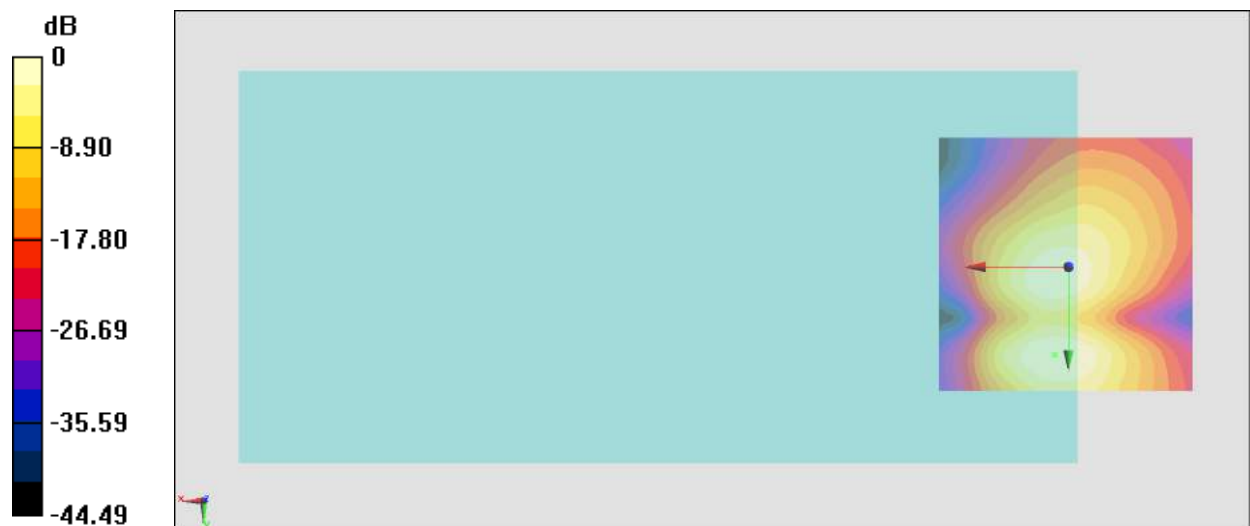
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.79 dB

ABM1 comp = -4.57 dBA/m

Location: 2.6, 17, 3.7 mm



0 dB = 77.55 = 37.79 dB

**#03\_HAC\_T-Coil\_WCDMA II\_Voice\_Ch9400\_Axial (Z)**

Communication System: WCDMA; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

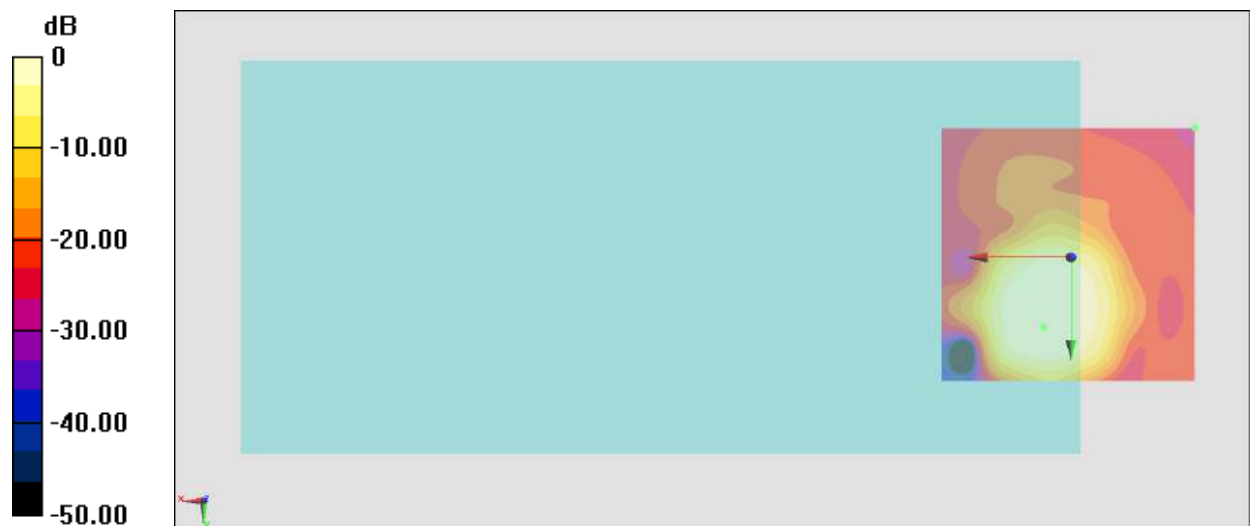
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.98 dB

ABM1 comp = 2.10 dBA/m

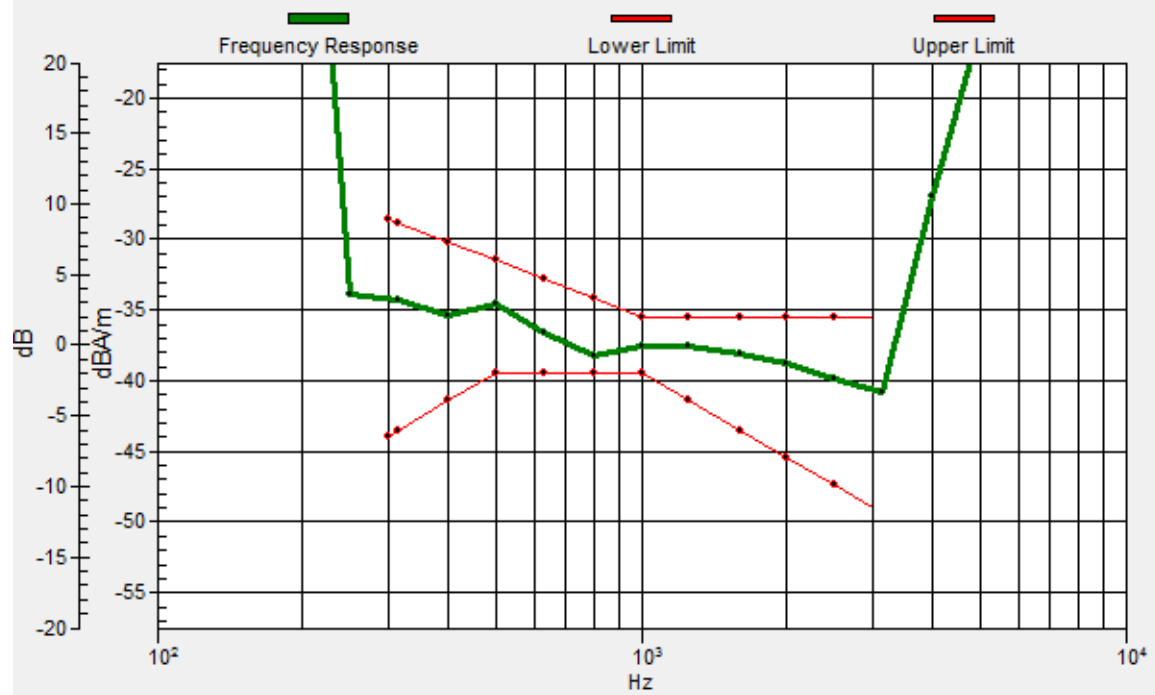
Location: 5.4, 13.5, 3.7 mm



0 dB = 111.9 = 40.98 dB

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

Loc: -24, -25, 3.7 mm Diff: 1.31dB



**#03\_HAC\_T-Coil\_WCDMA II\_Voice\_Ch9400\_Transversal (Y)**

Communication System: WCDMA; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

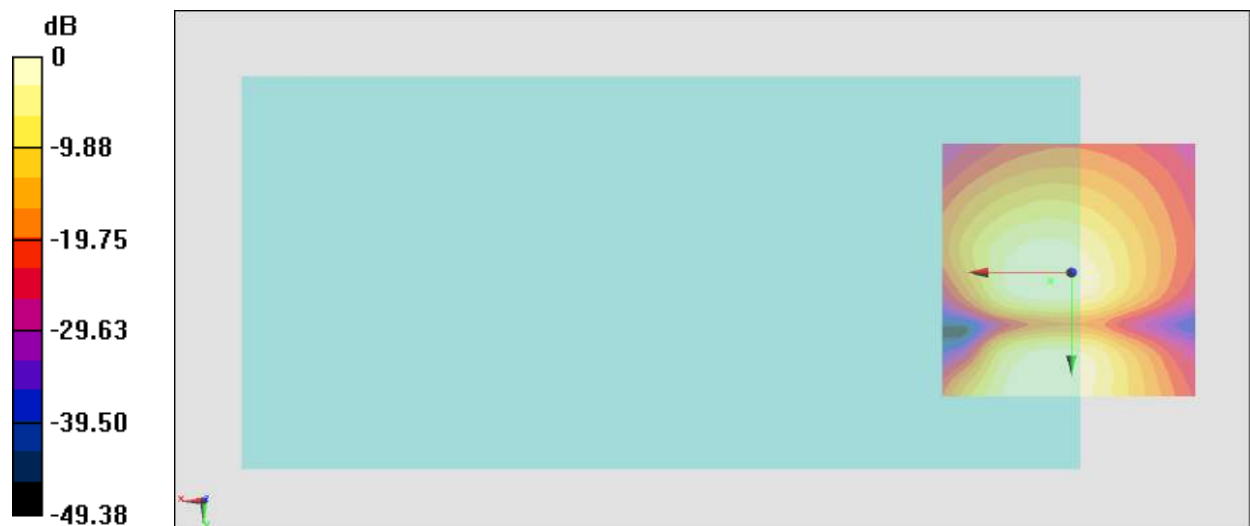
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.12 dB

ABM1 comp = -4.30 dBA/m

Location: 4, 1.6, 3.7 mm



0 dB = 90.37 = 39.12 dB

**#04\_HAC\_T-Coil\_WCDMA IV\_Voice\_Ch1413\_Axial (Z)**

Communication System: WCDMA; Frequency: 1732.6 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.85 dB

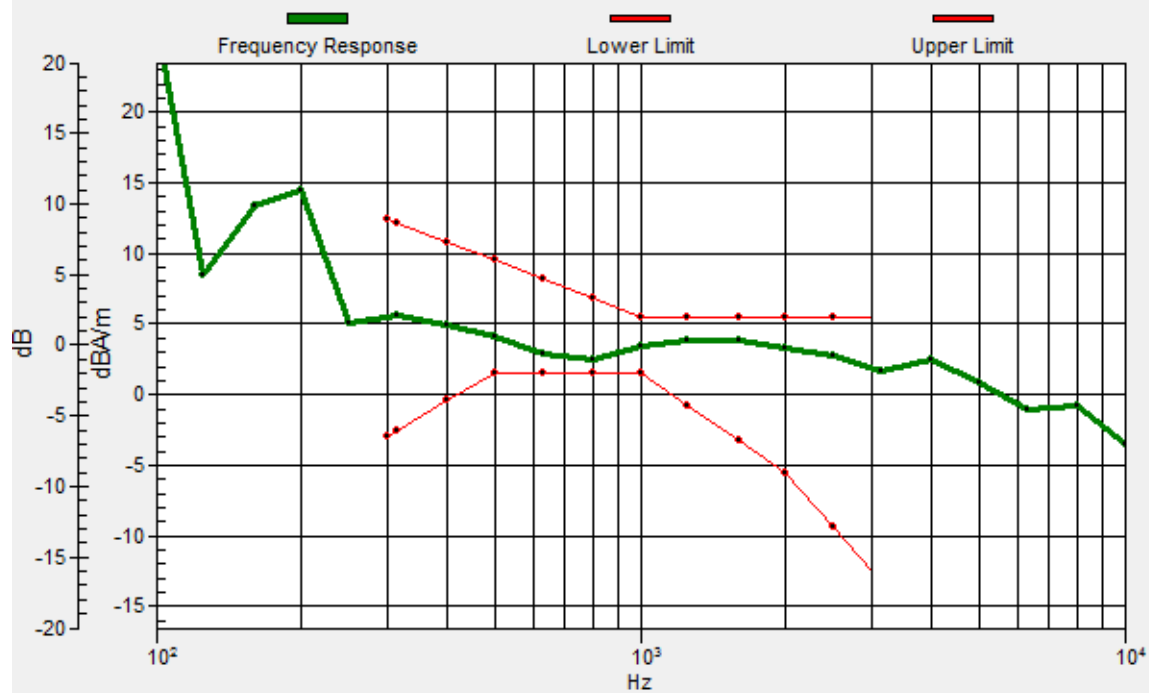
ABM1 comp = 3.62 dBA/m

Location: 3.3, 10, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.92dB



**#04\_HAC\_T-Coil\_WCDMA IV\_Voice\_Ch1413\_Transversal (Y)**

Communication System: WCDMA; Frequency: 1732.6 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.30 dB

ABM1 comp = -4.42 dBA/m

Location: 3.3, 1.6, 3.7 mm



0 dB = 92.30 = 39.30 dB

**#05\_HAC\_T-Coil\_WCDMA V\_Voice\_Ch4182\_Axial (Z)**

Communication System: WCDMA; Frequency: 836.4 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

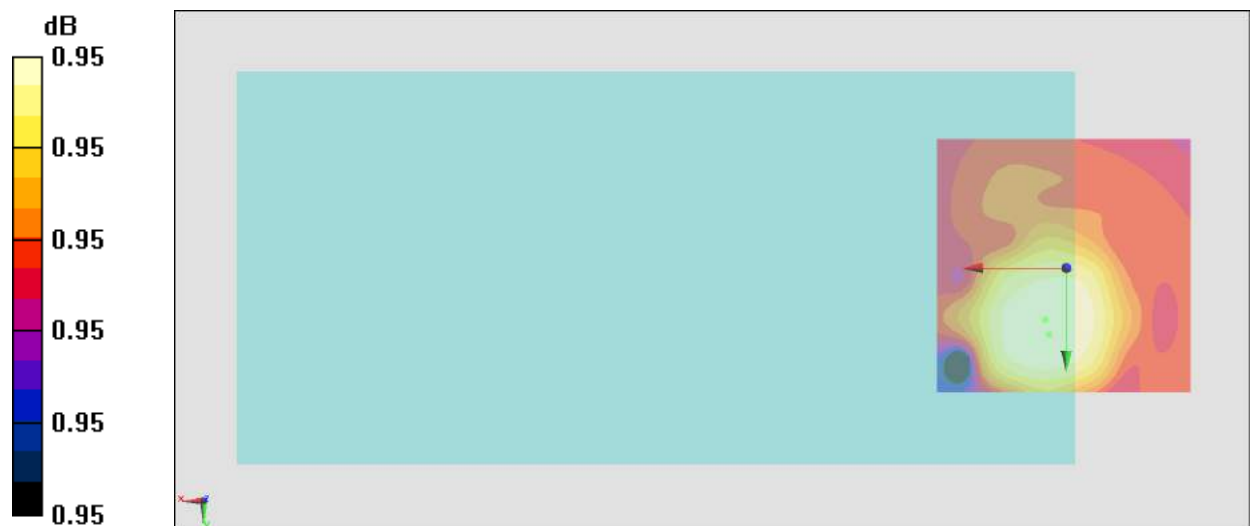
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.68 dB

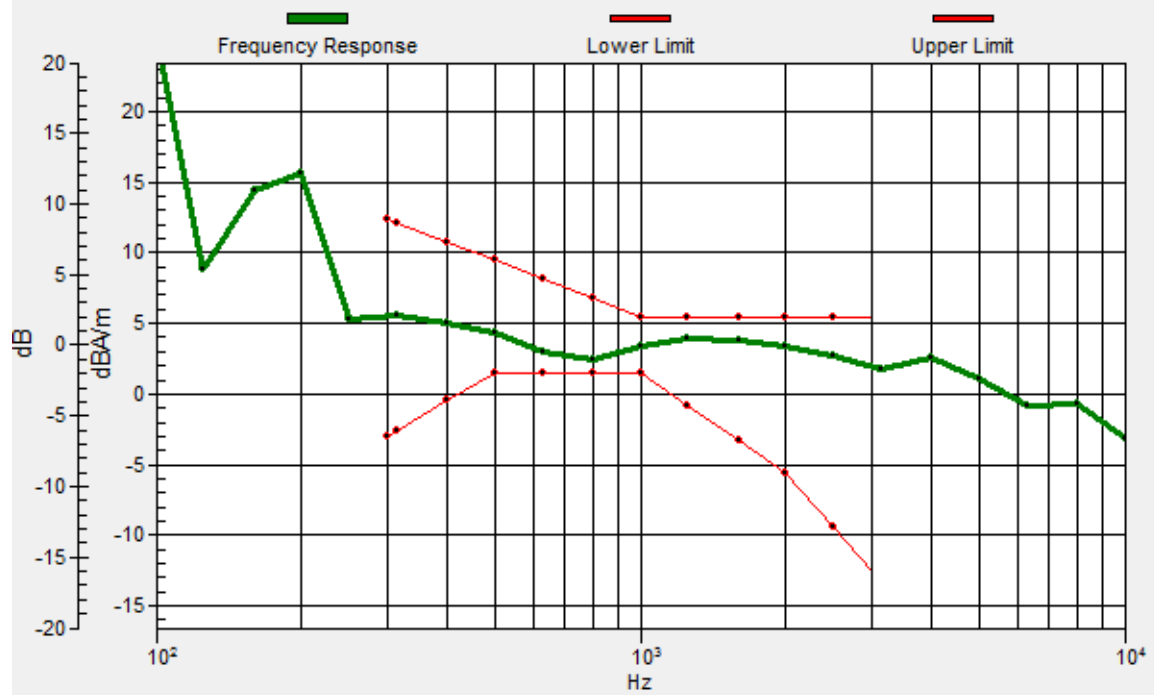
ABM1 comp = 2.65 dBA/m

Location: 3.3, 12.8, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.95dB



**#05\_HAC\_T-Coil\_WCDMA V\_Voice\_Ch4182\_Transversal (Y)**

Communication System: WCDMA; Frequency: 836.4 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

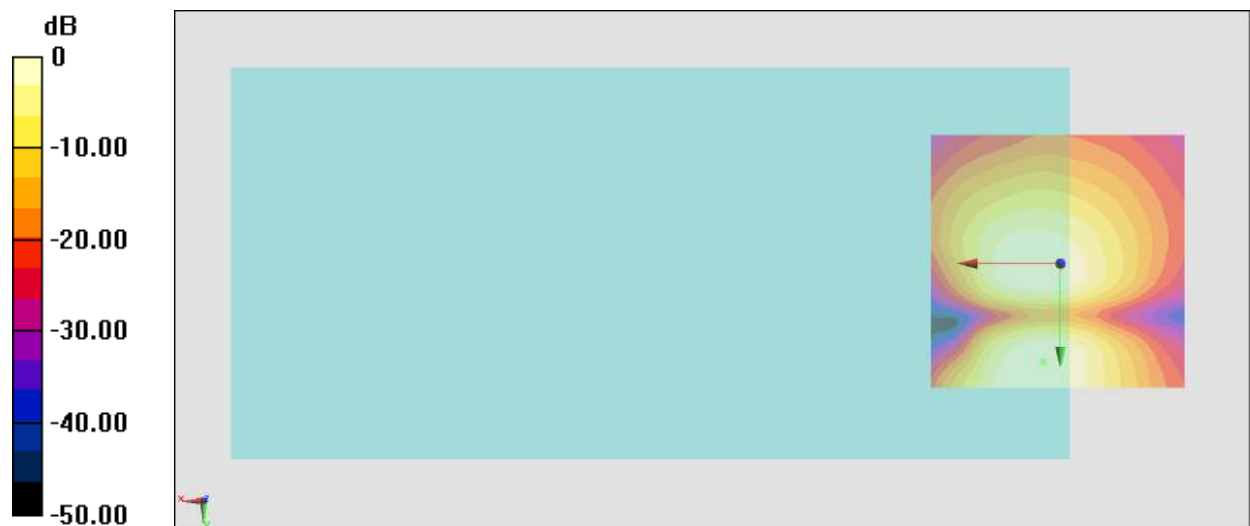
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.85 dB

ABM1 comp = -4.56 dBA/m

Location: 3.3, 19.1, 3.7 mm



0 dB = 98.25 = 39.85 dB

**#06\_HAC\_T-Coil\_CDMA BC0\_RC3 SO68 Voice codec8K Enhanced low\_Ch384\_Axial (Z)**

Communication System: CDMA T-Coil; Frequency: 836.52 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 46.80 dB

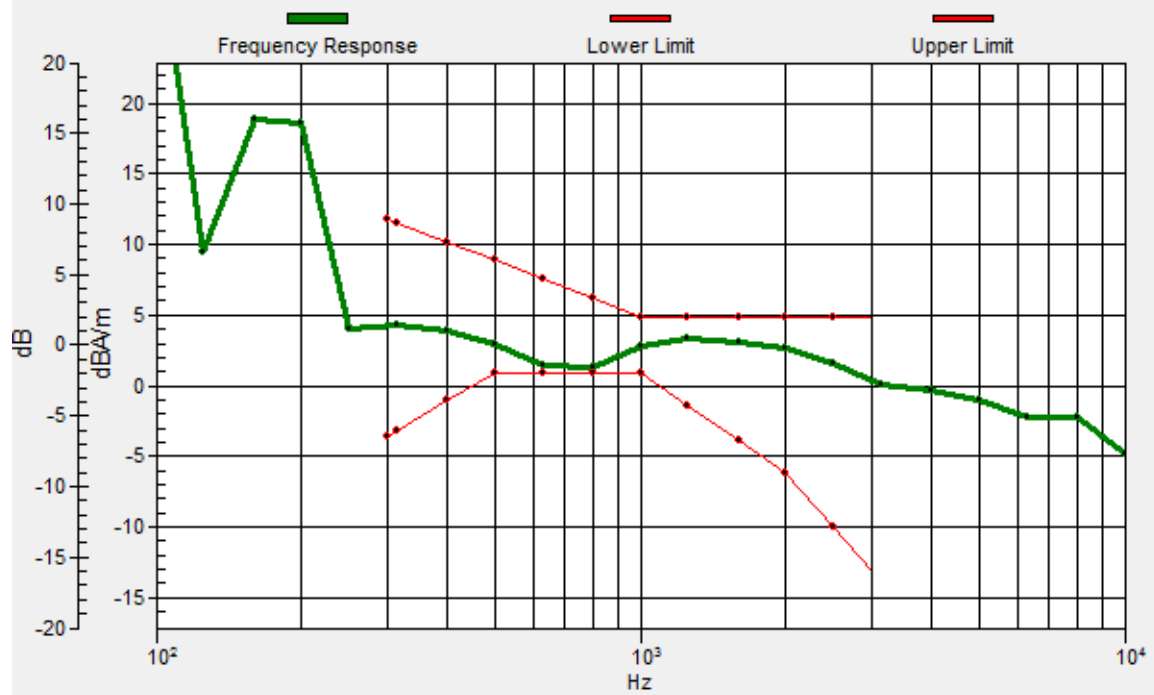
ABM1 comp = 2.33 dBA/m

Location: 3.3, 10, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.48dB



**#06\_HAC\_T-Coil\_CDMA BC0\_RC3 SO68 Voice codec8K Enhanced low\_Ch384\_Transversal (Y)**

Communication System: CDMA T-Coil; Frequency: 836.52 MHz

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:

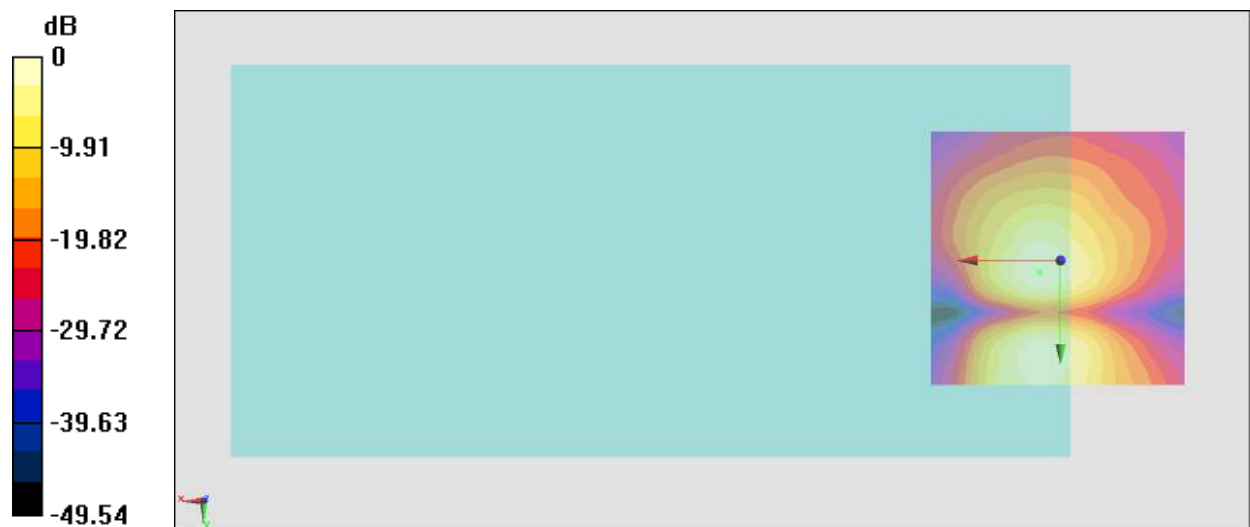
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.17 dB

ABM1 comp = -4.87 dBA/m

Location: 4, 2.3, 3.7 mm



0 dB = 144.0 = 43.17 dB

**#07\_HAC\_T-Coil\_CDMA BC1\_RC3 SO68 Voice codec8K Enhanced low\_Ch600\_Axial (Z)**

Communication System: CDMA T-Coil; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

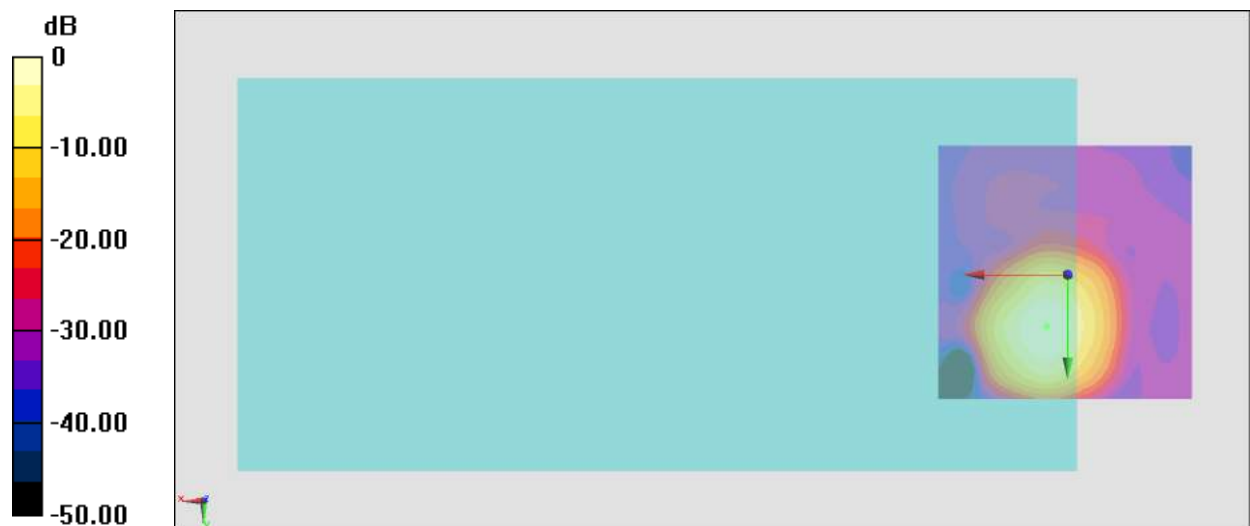
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

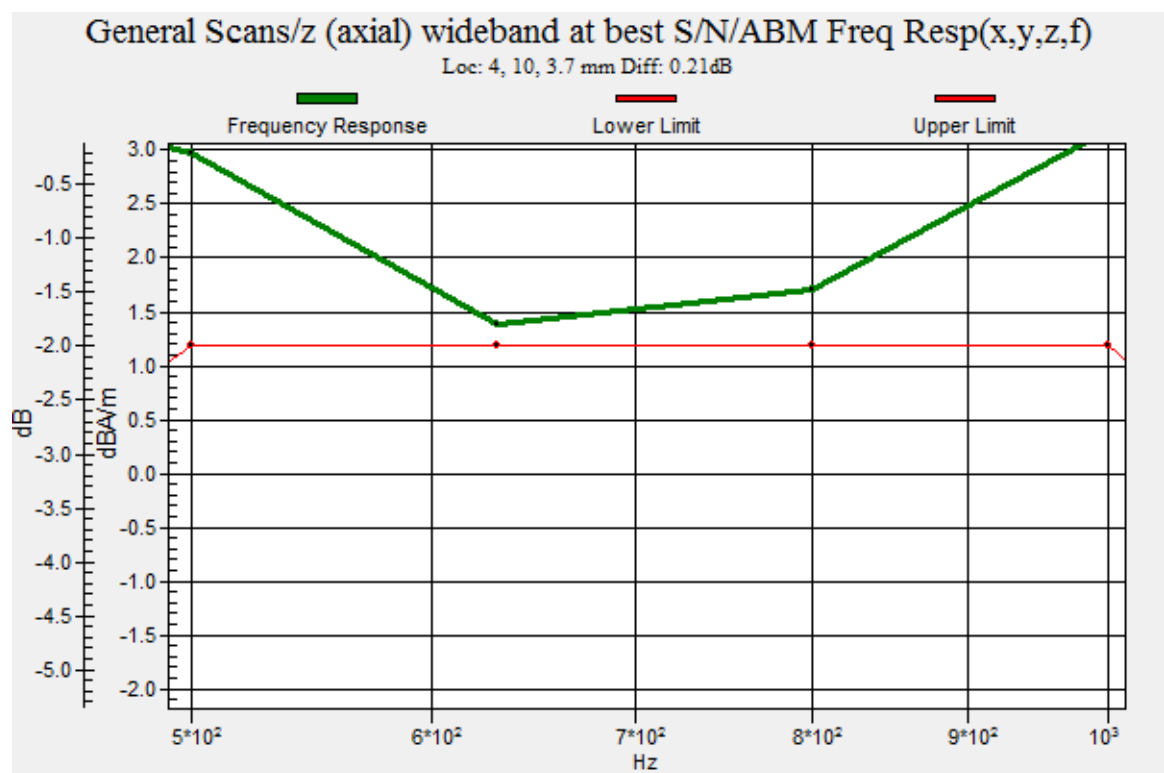
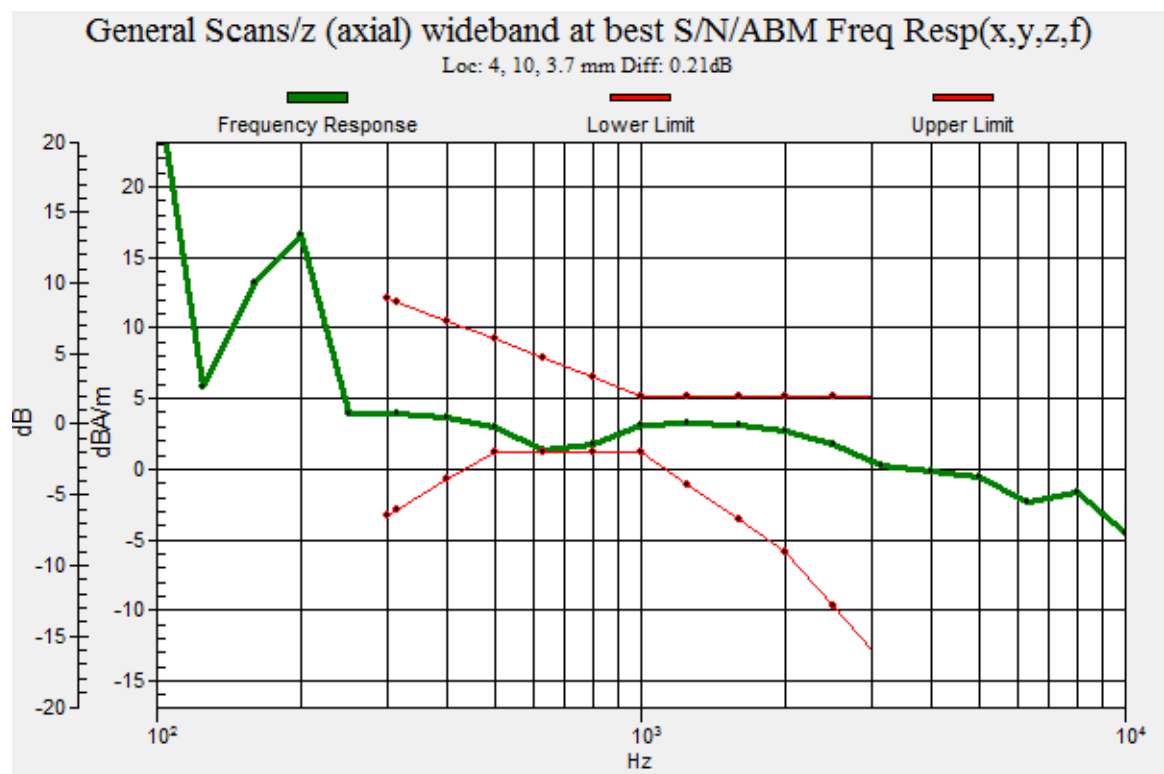
ABM1/ABM2 = 50.00 dB

ABM1 comp = 3.02 dBA/m

Location: 4, 10, 3.7 mm



0 dB = 316.2 = 50.00 dB



**#07\_HAC\_T-Coil\_CDMA BC1\_RC3 SO68 Voice codec8K Enhanced low\_Ch600\_Transversal (Y)**

Communication System: CDMA T-Coil; Frequency: 1880 MHz

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:

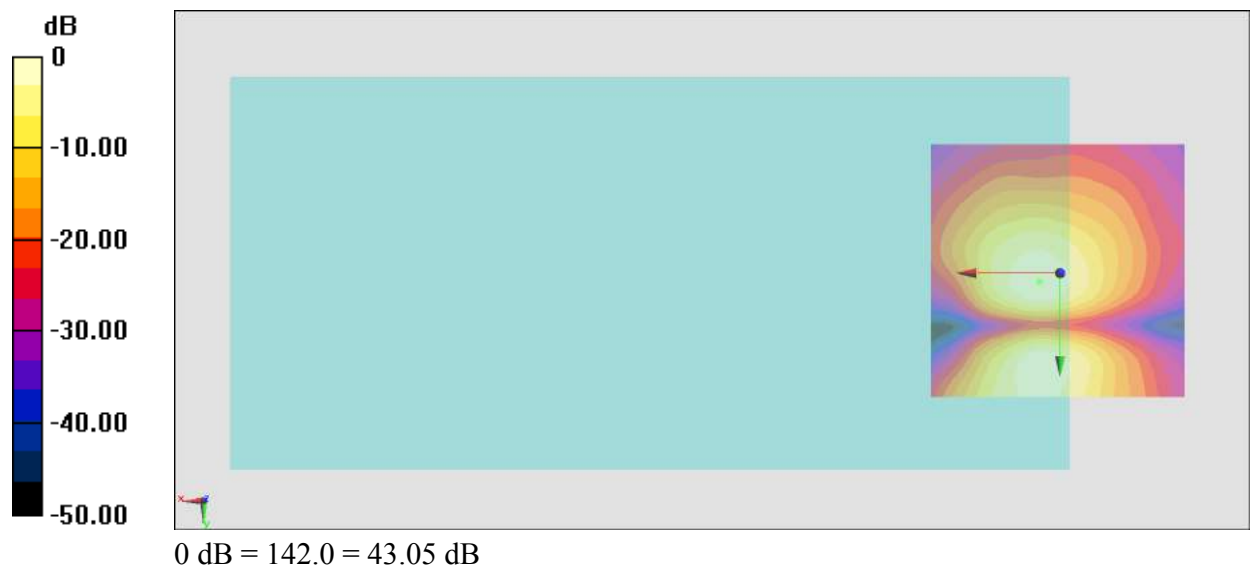
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.05 dB

ABM1 comp = -5.15 dBA/m

Location: 4, 1.6, 3.7 mm



**#08\_HAC\_T-Coil\_CDMA BC10\_RC3 SO68 Voice codec8K Enhanced low\_Ch580\_Axial (Z)**

Communication System: CDMA T-Coil; Frequency: 820.5 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.19 dB

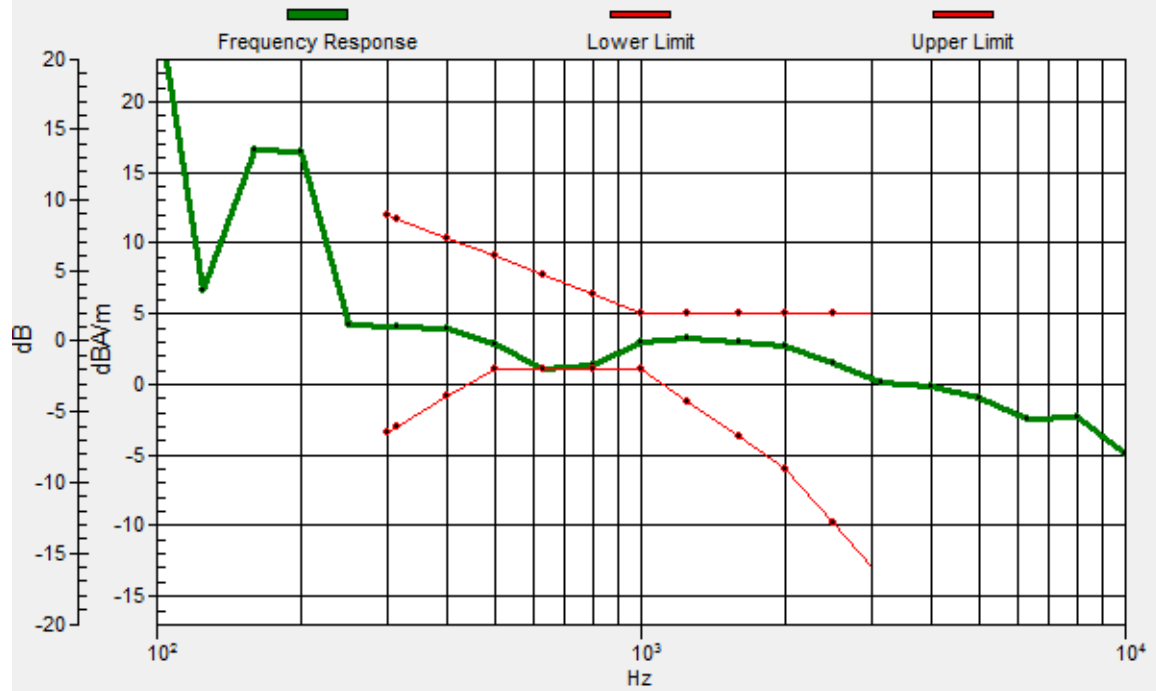
ABM1 comp = 3.18 dBA/m

Location: 4, 10, 3.7 mm



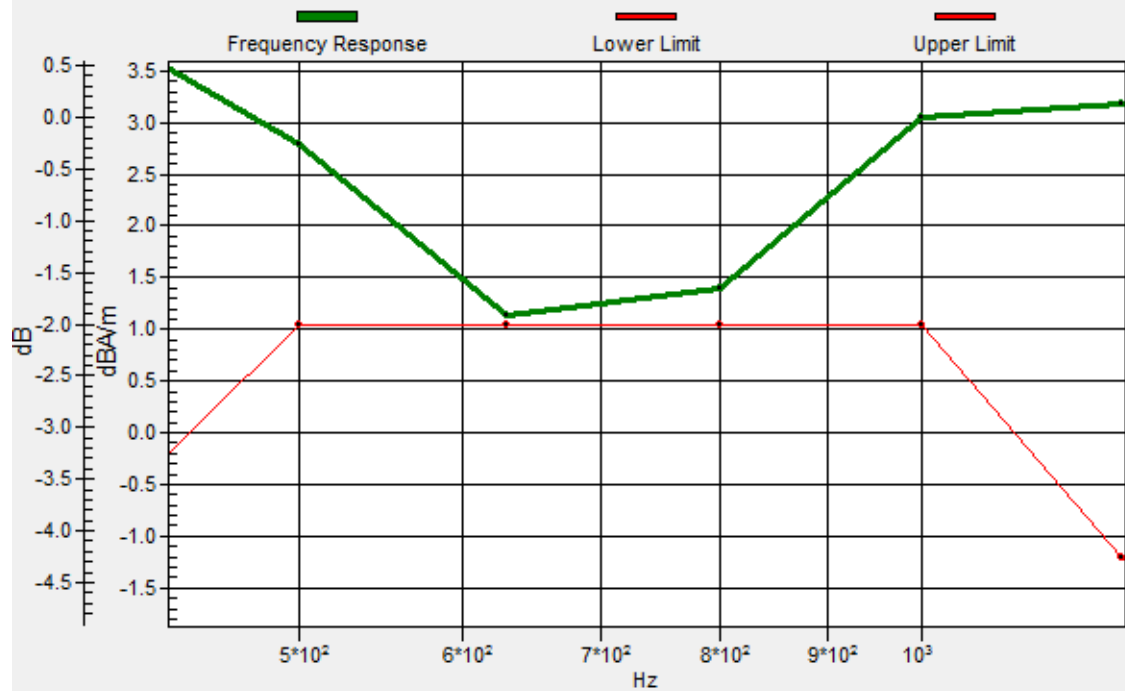
# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4, 10, 3.7 mm Diff: 0.09dB



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

Loc: 4, 10, 3.7 mm Diff: 0.09dB



**#08\_HAC\_T-Coil\_CDMA BC10\_RC3 SO68 Voice codec8K Enhanced low\_Ch580\_Transversal (Y)**

Communication System: CDMA T-Coil; Frequency: 820.5 MHz

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:

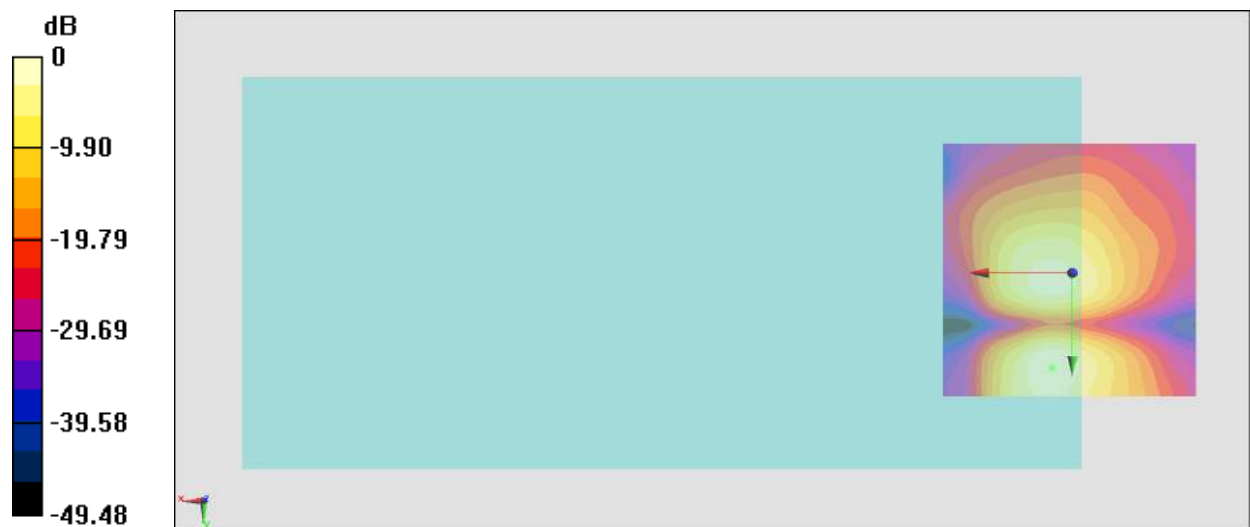
- Probe: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.17 dB

ABM1 comp = -4.89 dBA/m

Location: 4, 18.4, 3.7 mm



0 dB = 144.1 = 43.17 dB

**#09\_HAC\_T-Coil\_LTE Band 7\_20M\_QPSK\_1\_0\_Ch21100\_Axial (Z)**

Communication System: LTE; Frequency: 2535 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

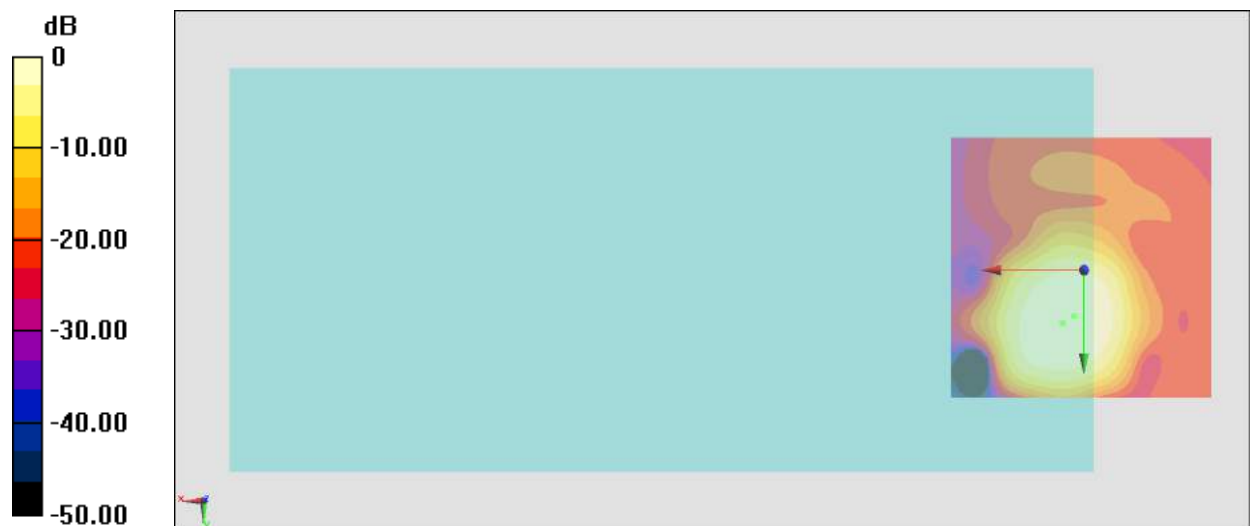
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.27 dB

ABM1 comp = 0.60 dBA/m

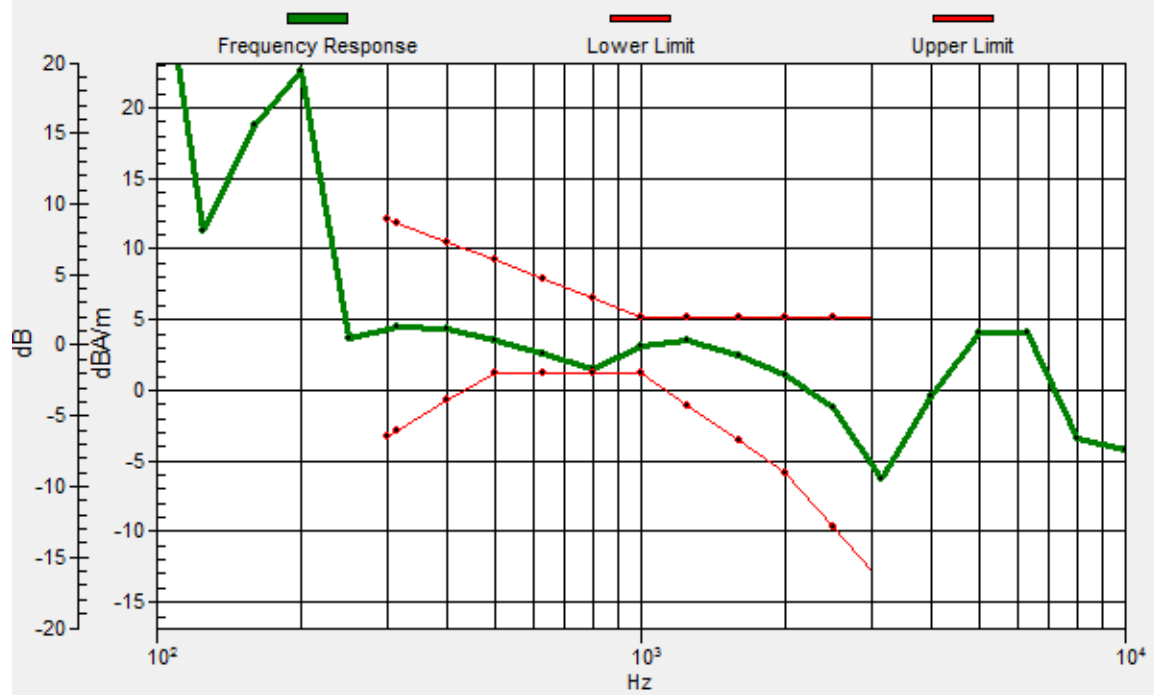
Location: 1.9, 8.6, 3.7 mm



0 dB = 81.94 = 38.27 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.36dB



**#09\_HAC\_T-Coil\_LTE Band 7\_20M\_QPSK\_1\_0\_Ch21100\_Transversal (Y)**

Communication System: LTE; Frequency: 2535 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

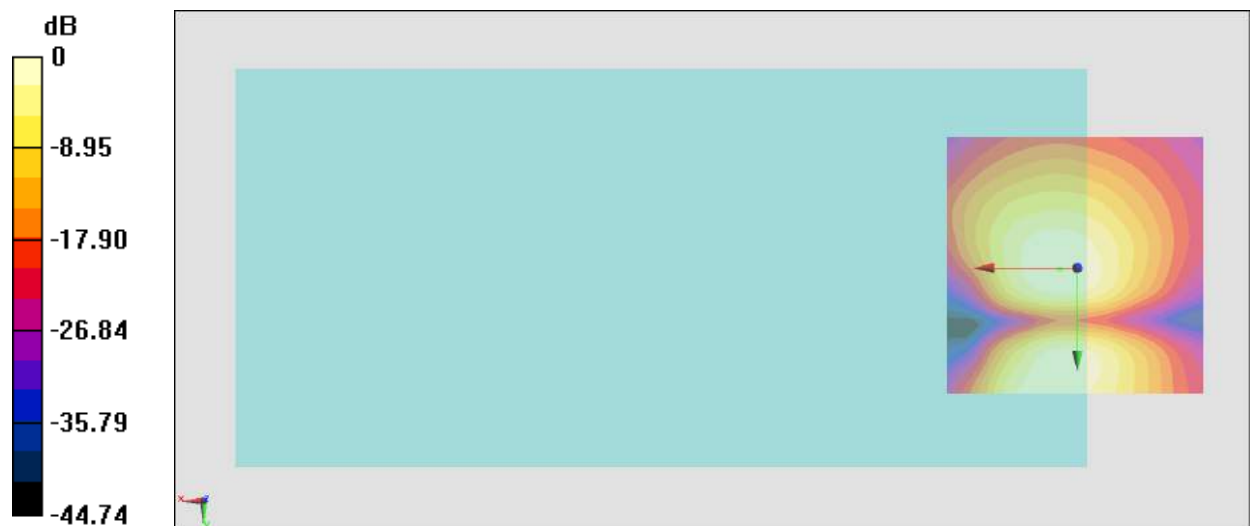
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.03 dB

ABM1 comp = -6.41 dBA/m

Location: 3.3, 0.2, 3.7 mm



0 dB = 71.04 = 37.03 dB

**#10\_HAC\_T-Coil\_LTE Band 12\_10M\_QPSK\_1\_0\_Ch23095\_Axial (Z)**

Communication System: LTE ; Frequency: 707.5 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

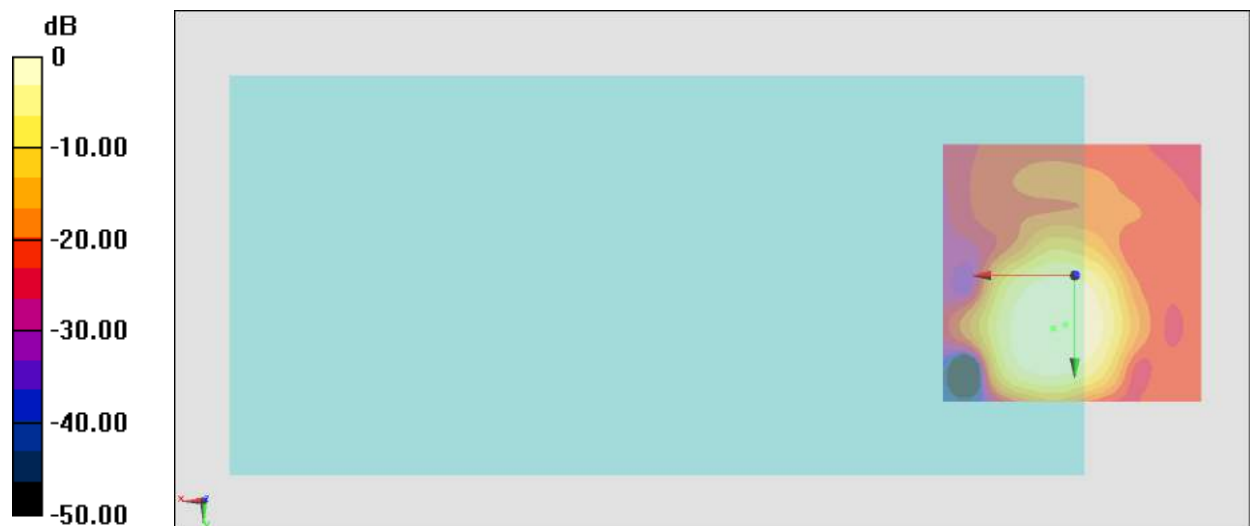
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.61 dB

ABM1 comp = 1.08 dBA/m

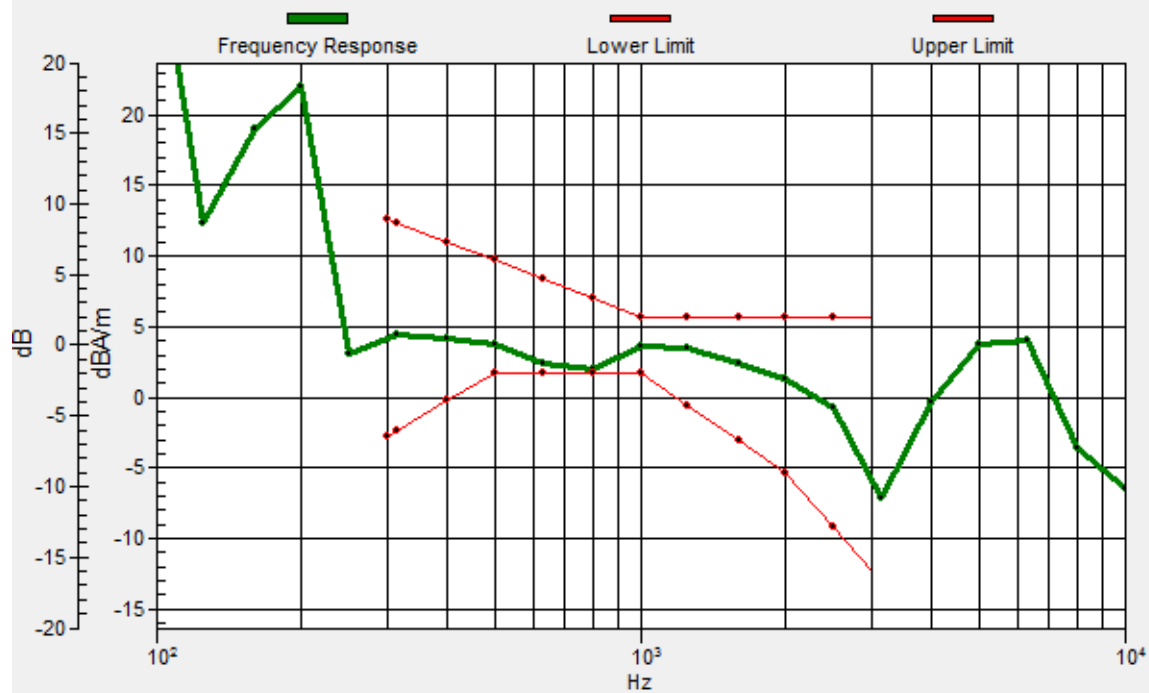
Location: 1.9, 9.3, 3.7 mm



0 dB = 85.24 = 38.61 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.33dB



**#10\_HAC\_T-Coil\_LTE Band 12\_10M\_QPSK\_1\_0\_Ch23095\_Transversal (Y)**

Communication System: LTE ; Frequency: 707.5 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

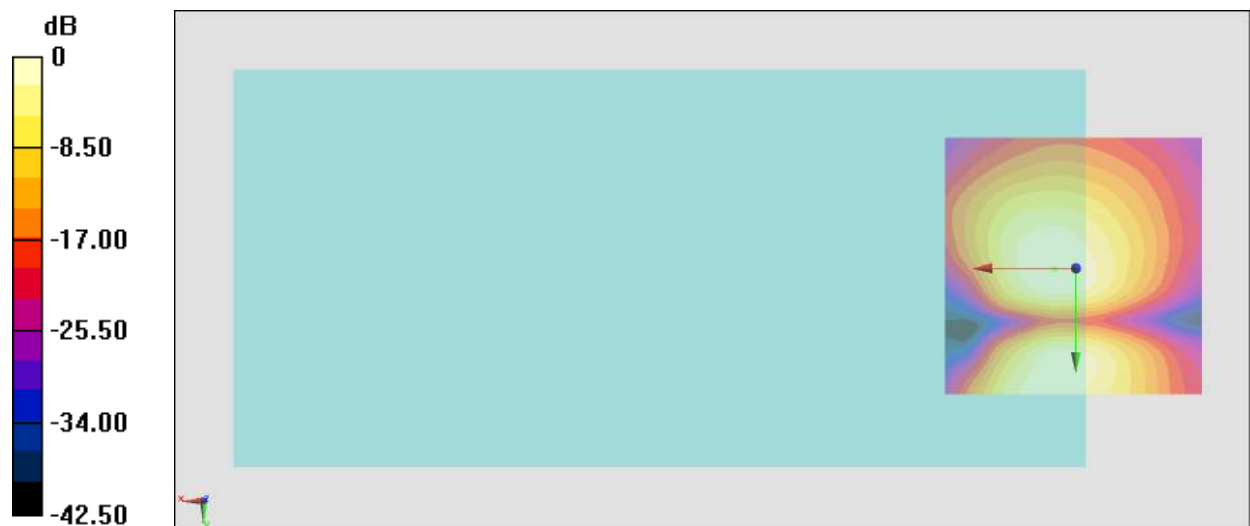
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.79 dB

ABM1 comp = -6.24 dBA/m

Location: 4, 0.2, 3.7 mm



0 dB = 77.55 = 37.79 dB

**#11\_HAC\_T-Coil\_LTE Band 13\_10M\_QPSK\_1\_0\_Ch23230\_Axial (Z)**

Communication System: LTE ; Frequency: 782 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

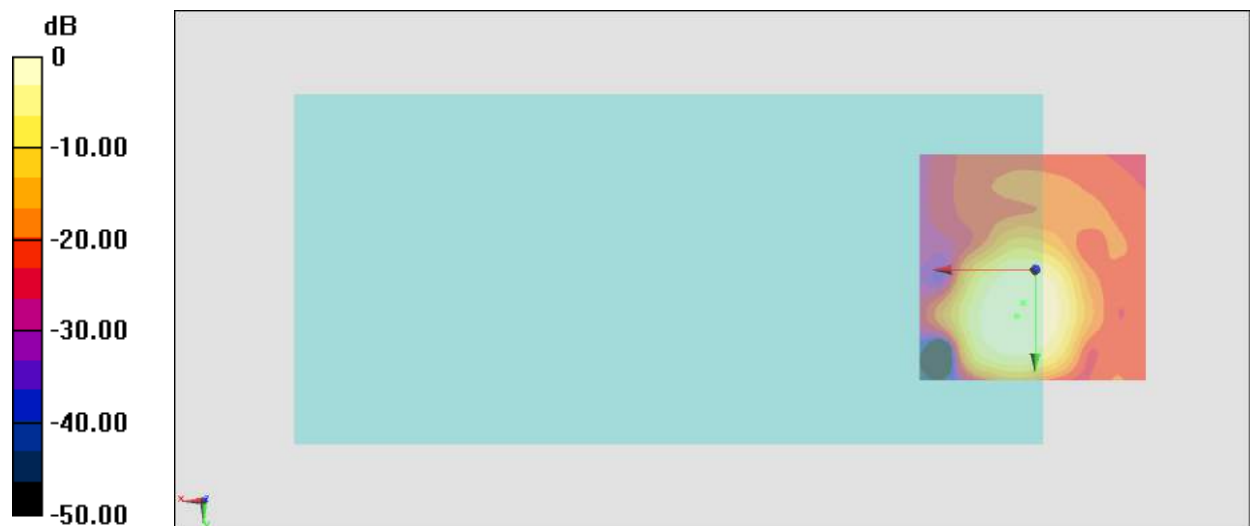
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.26 dB

ABM1 comp = 0.78 dBA/m

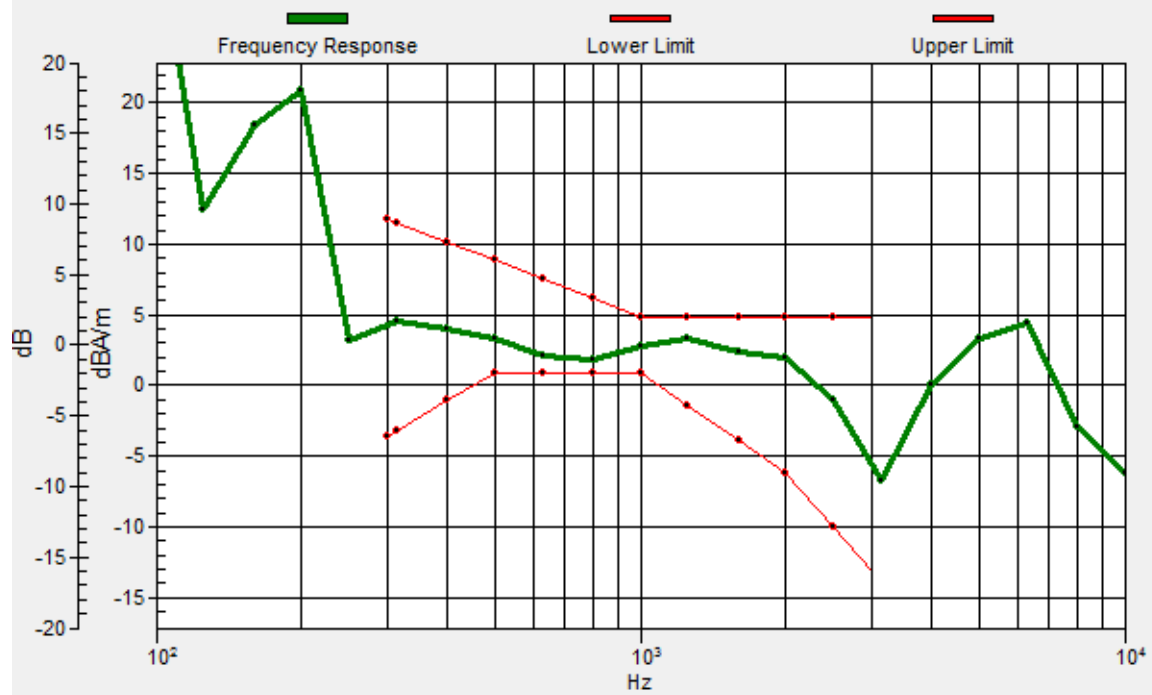
Location: 2.6, 7.2, 3.7 mm



0 dB = 81.80 = 38.26 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.98dB



**#11\_HAC\_T-Coil\_LTE Band 13\_10M\_QPSK\_1\_0\_Ch23230\_Transversal (Y)**

Communication System: LTE ; Frequency: 782 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

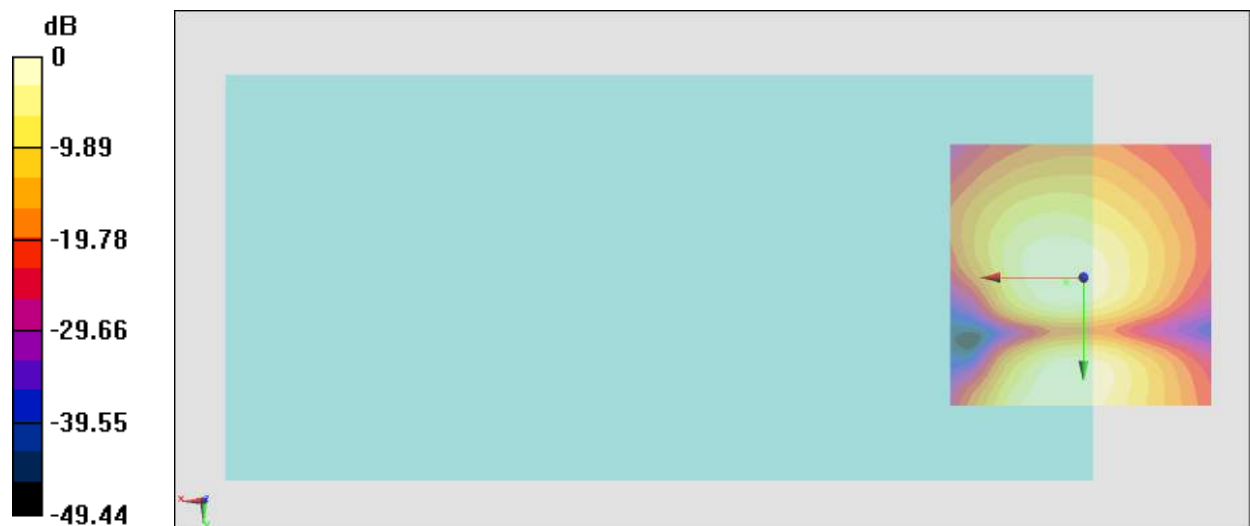
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.26 dB

ABM1 comp = -6.31 dBA/m

Location: 3.3, 0.9, 3.7 mm



0 dB = 72.98 = 37.26 dB

**#12\_HAC\_T-Coil\_LTE Band 25\_20M\_QPSK\_1\_0\_Ch26340\_Axial (Z)**

Communication System: LTE; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

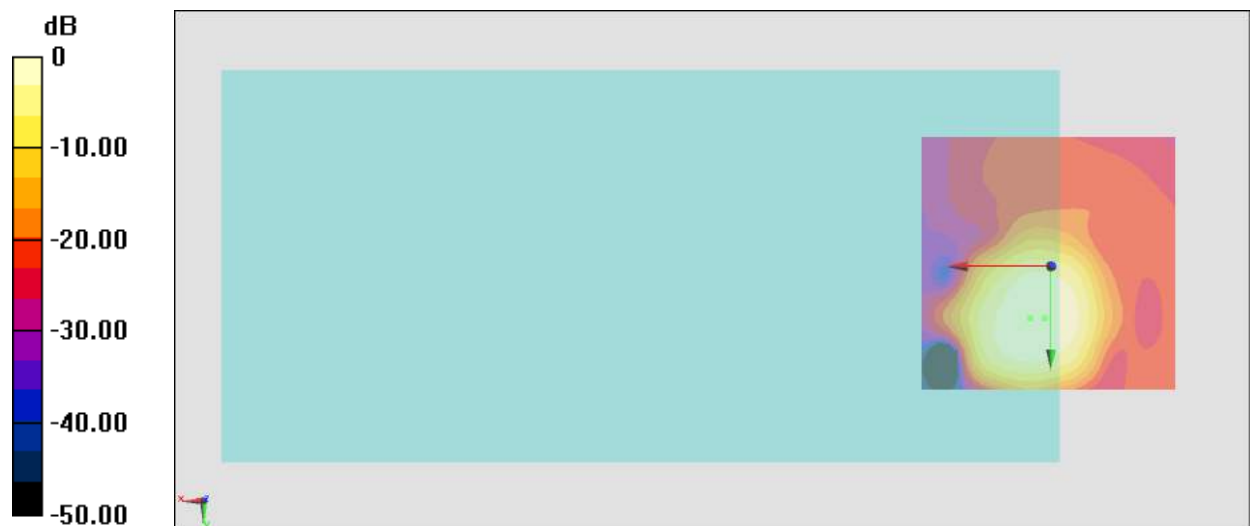
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.57 dB

ABM1 comp = 0.55 dBA/m

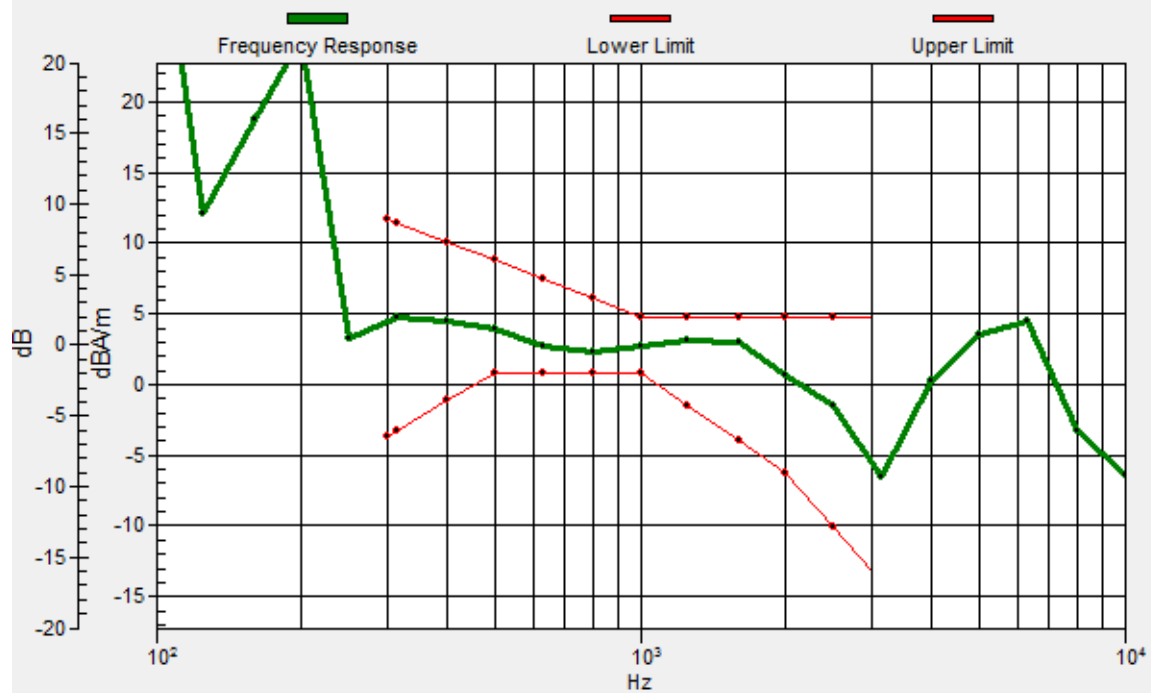
Location: 1.2, 10, 3.7 mm



0 dB = 84.81 = 38.57 dB

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

Loc: 4, 10, 3.7 mm Diff: 1.55dB



**#12\_HAC\_T-Coil\_LTE Band 25\_20M\_QPSK\_1\_0\_Ch26340\_Transversal (Y)**

Communication System: LTE; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

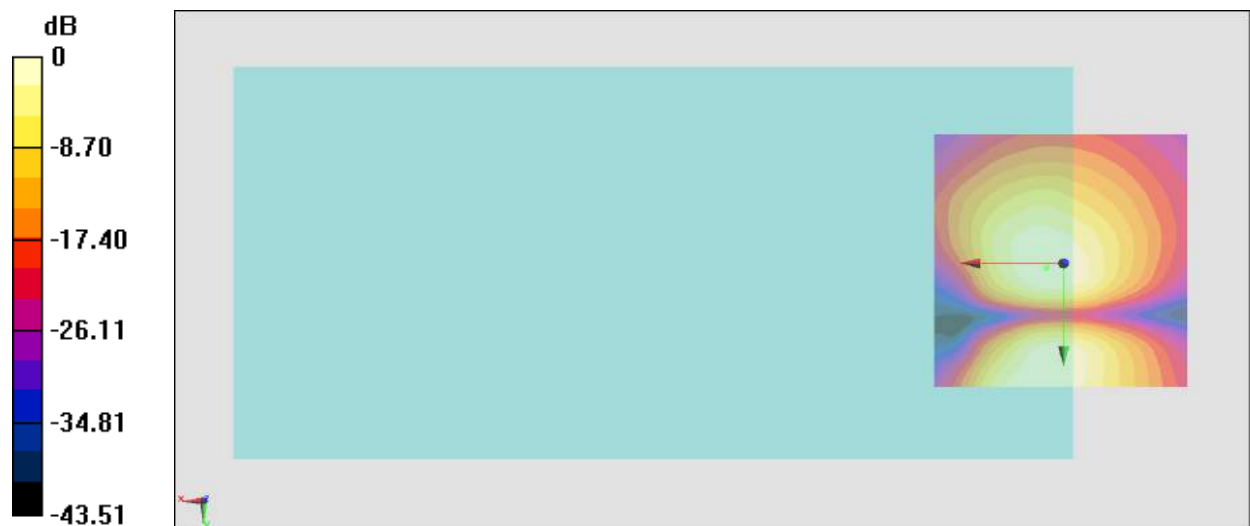
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.84 dB

ABM1 comp = -6.24 dBA/m

Location: 3.3, 0.9, 3.7 mm



0 dB = 69.48 = 36.84 dB

**#13\_HAC\_T-Coil\_LTE Band 26\_15M\_QPSK\_1\_0\_Ch26865\_Axial (Z)**

Communication System: LTE ; Frequency: 831.5 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

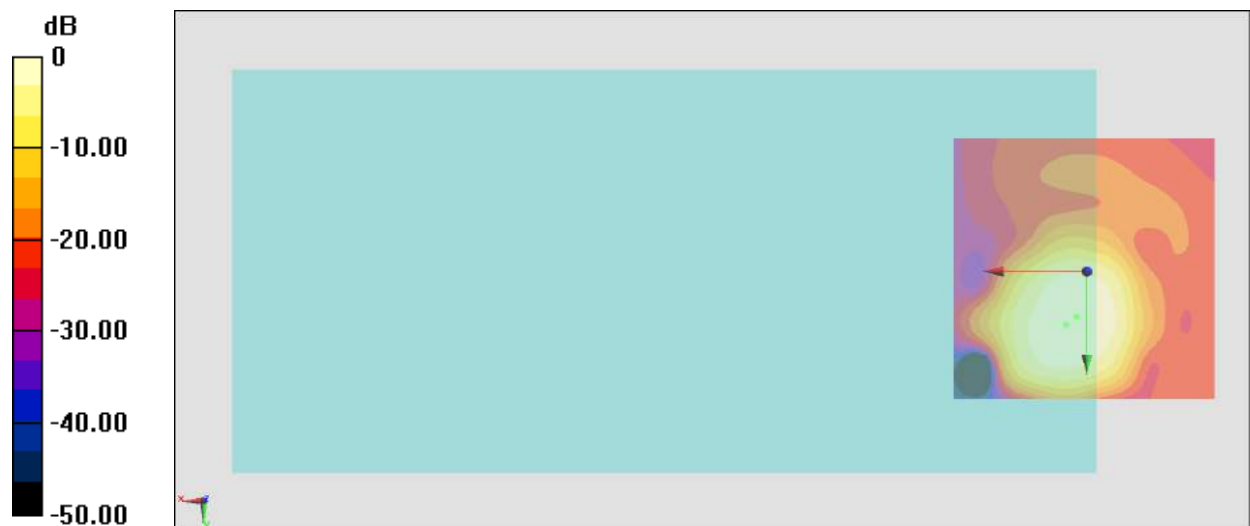
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.14 dB

ABM1 comp = 0.85 dBA/m

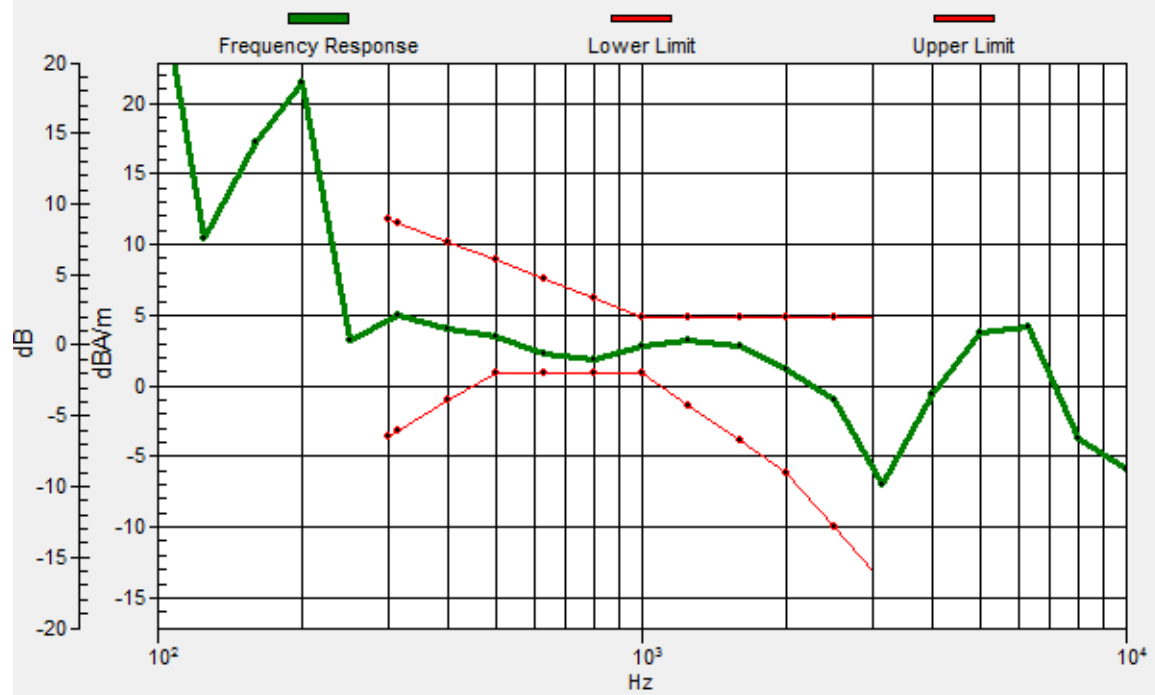
Location: 1.9, 8.6, 3.7 mm



0 dB = 80.70 = 38.14 dB

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

Loc: 4, 10, 3.7 mm Diff: 1.03dB



**#13\_HAC\_T-Coil\_LTE Band 26\_15M\_QPSK\_1\_0\_Ch26865\_Transversal (Y)**

Communication System: LTE ; Frequency: 831.5 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

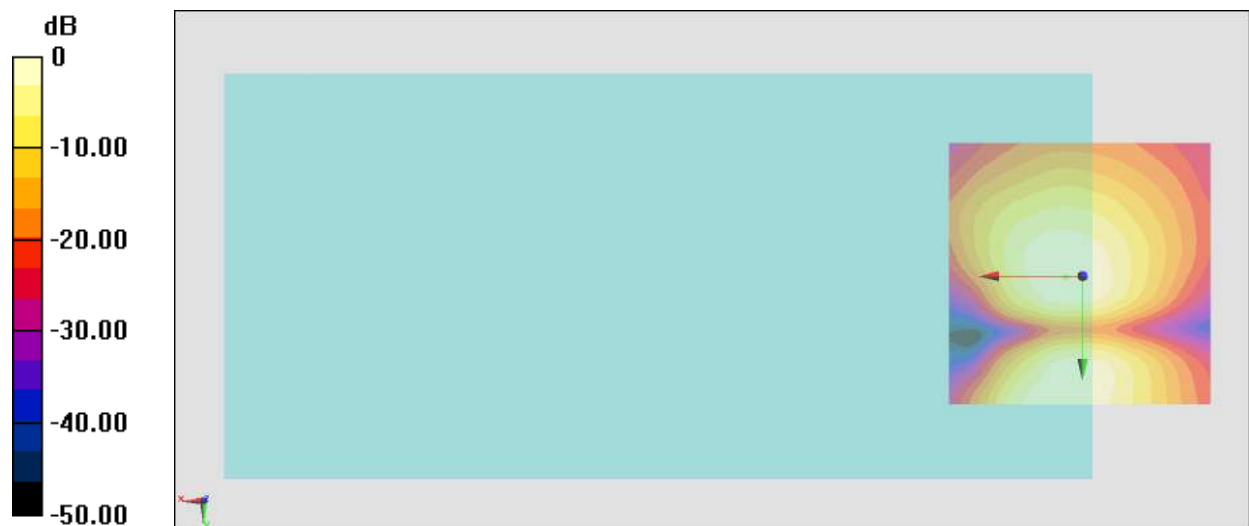
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.21 dB

ABM1 comp = -6.46 dBA/m

Location: 3.3, 0.2, 3.7 mm



0 dB = 72.55 = 37.21 dB

**#14\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1\_0\_Ch132322\_Axial (Z)**

Communication System: LTE; Frequency: 2535 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

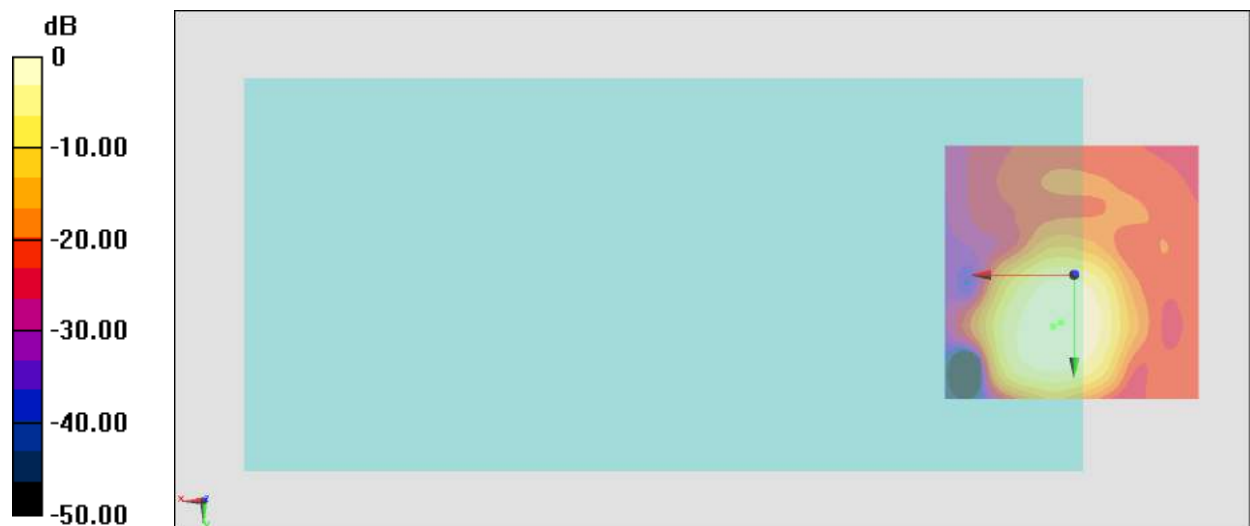
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.16 dB

ABM1 comp = 1.41 dBA/m

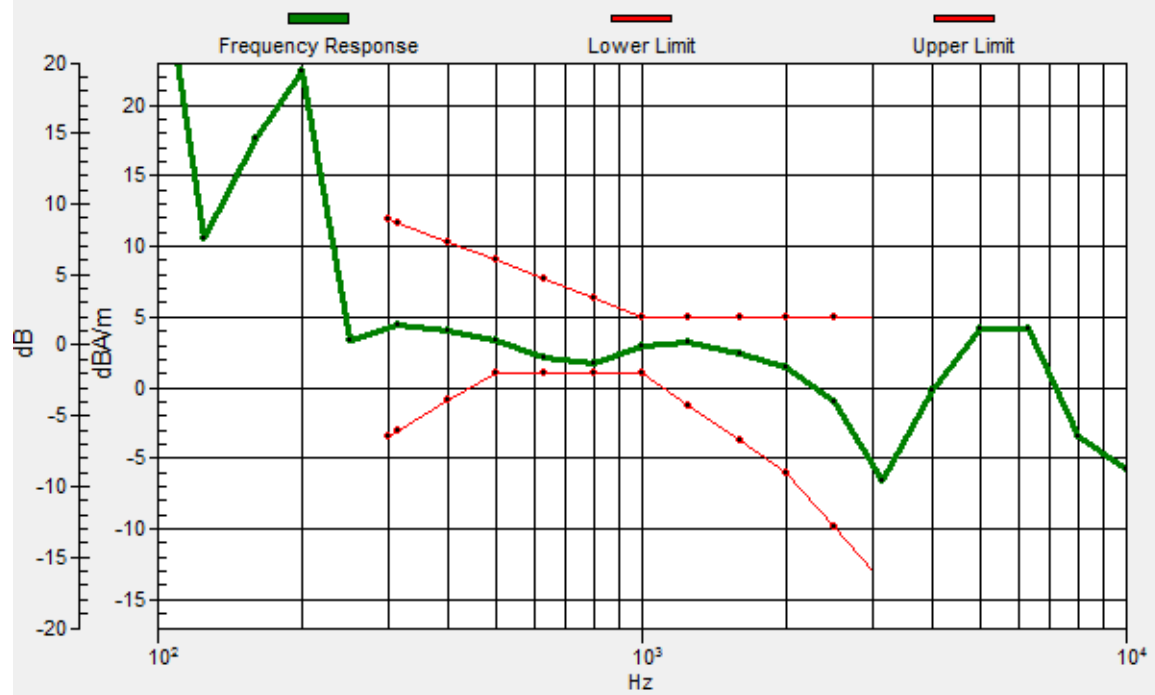
Location: 2.6, 9.3, 3.7 mm



0 dB = 80.93 = 38.16 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.68dB



**#14\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1\_0\_Ch132322\_Transversal (Y)**

Communication System: LTE; Frequency: 2535 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

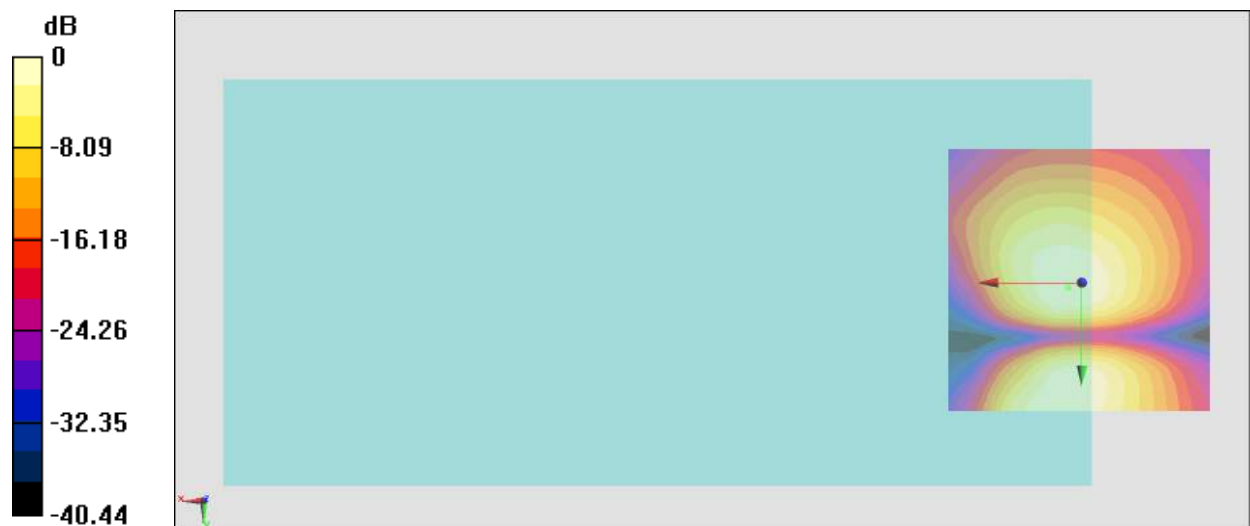
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.74 dB

ABM1 comp = -6.28 dBA/m

Location: 2.6, 0.9, 3.7 mm



0 dB = 68.69 = 36.74 dB

**#15\_HAC\_T-Coil\_LTE Band 71\_20M\_QPSK\_1\_0\_Ch133322\_Axial (Z)**

Communication System: LTE ; Frequency: 683 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

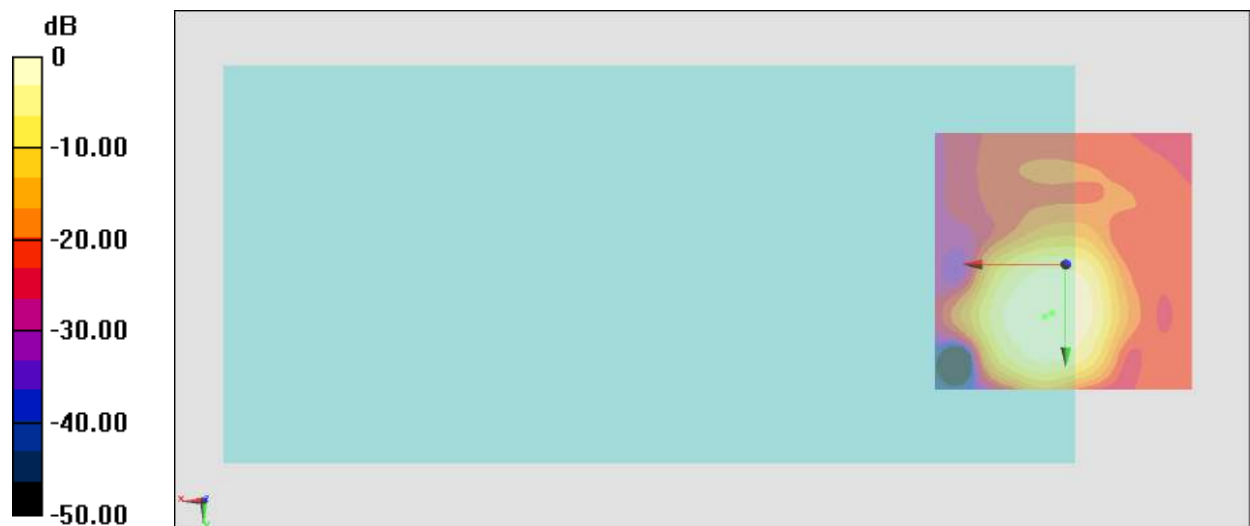
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.17 dB

ABM1 comp = 1.54 dBA/m

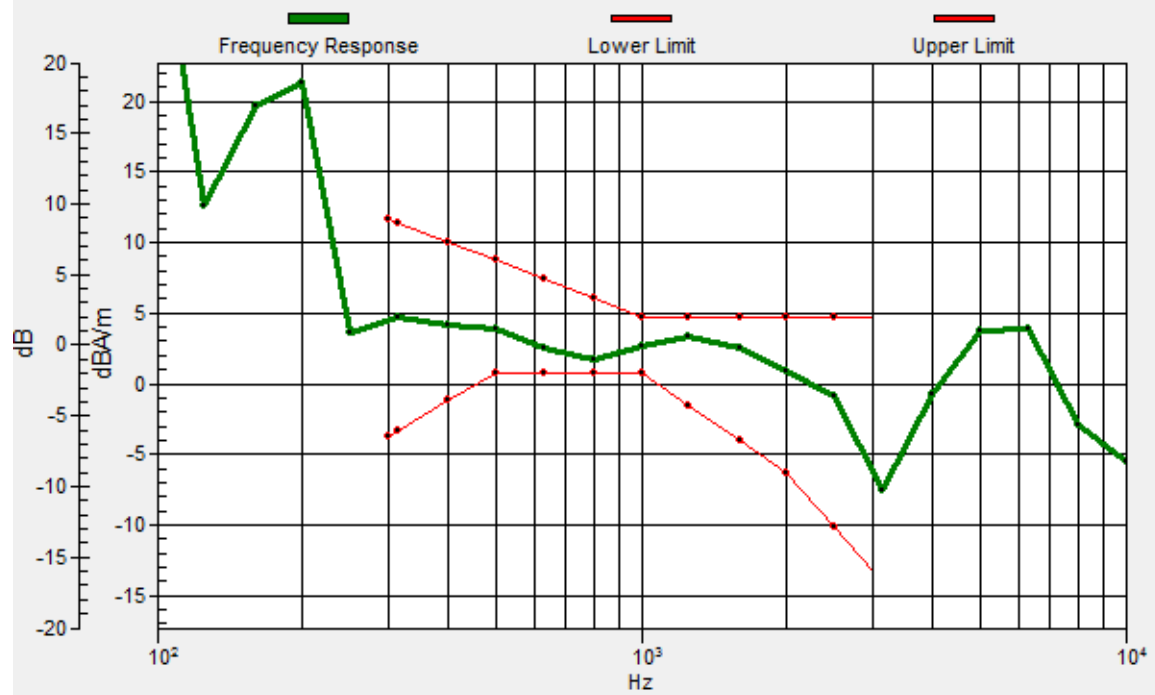
Location: 2.6, 9.3, 3.7 mm



0 dB = 81.03 = 38.17 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.92dB



**#15\_HAC\_T-Coil\_LTE Band 71\_20M\_QPSK\_1\_0\_Ch133322\_Transversal (Y)**

Communication System: LTE ; Frequency: 683 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

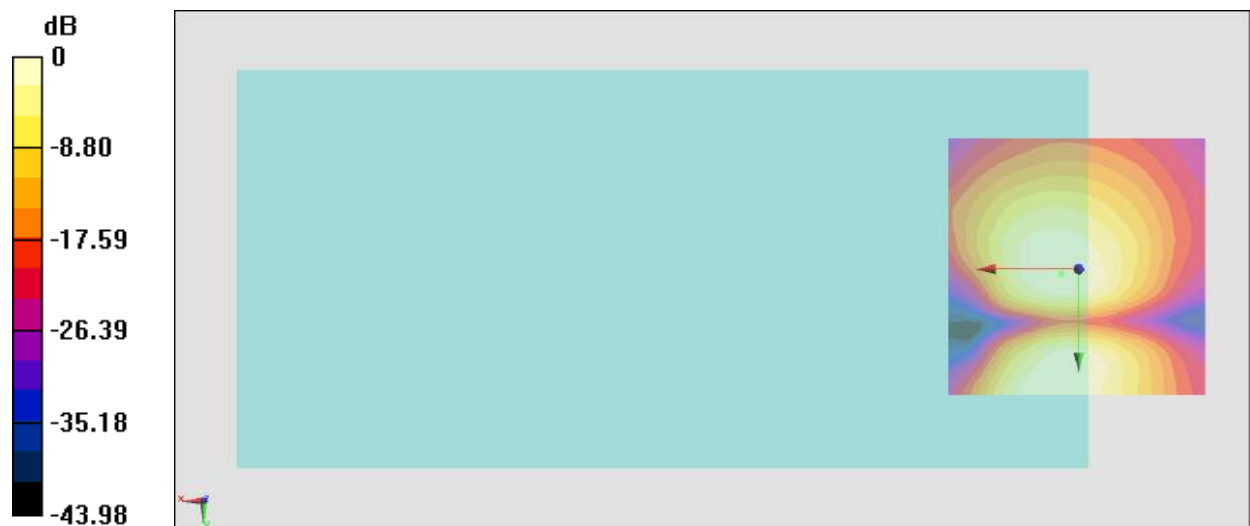
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.78 dB

ABM1 comp = -6.45 dBA/m

Location: 3.3, 0.9, 3.7 mm



0 dB = 69.04 = 36.78 dB

**#16\_HAC\_T-Coil\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40620\_Axial (Z)**

Communication System: LTE TDD ; Frequency: 2593 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

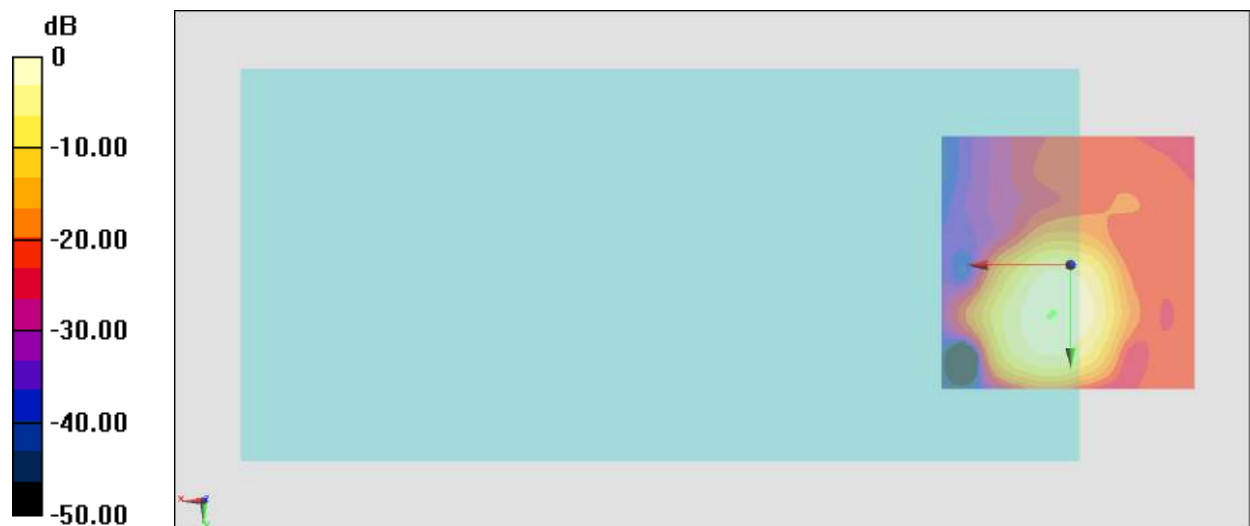
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.99 dB

ABM1 comp = 1.50 dBA/m

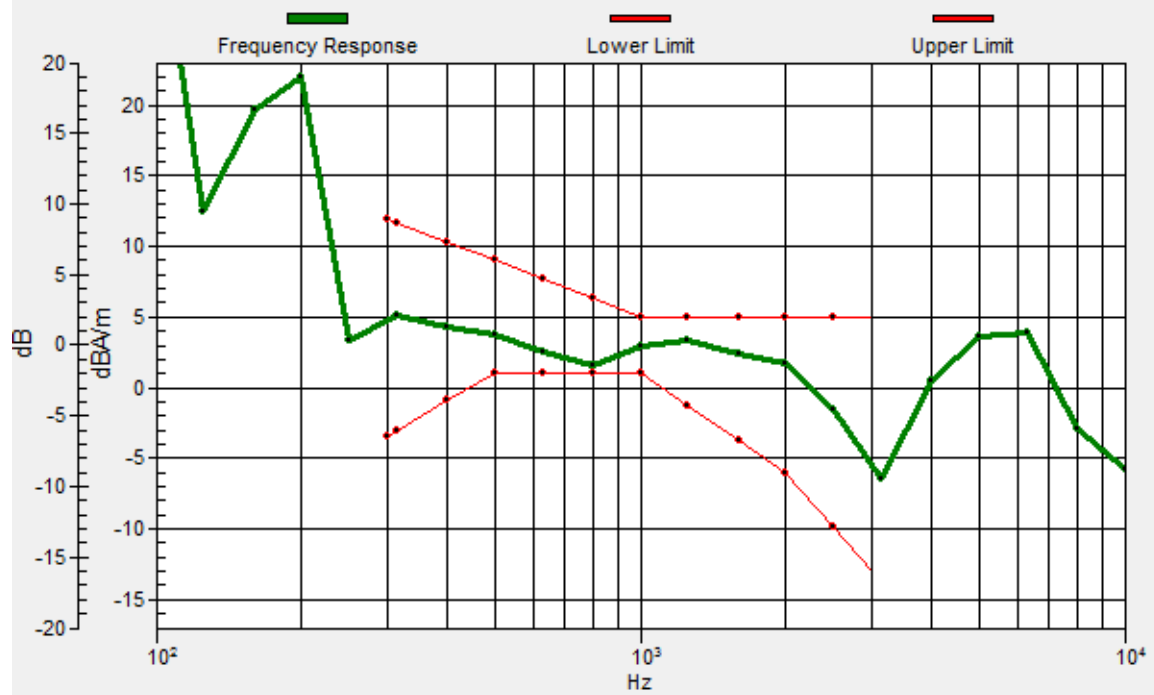
Location: 3.3, 9.3, 3.7 mm



0 dB = 79.38 = 37.99 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.58dB



**#16\_HAC\_T-Coil\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40620\_Transversal (Y)**

Communication System: LTE TDD ; Frequency: 2593 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

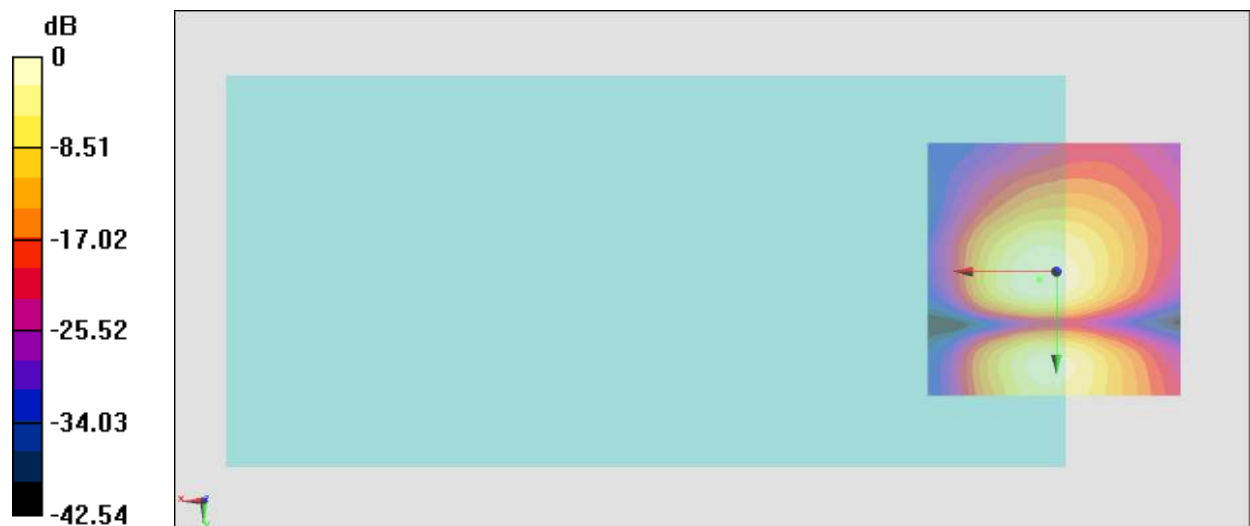
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.85 dB

ABM1 comp = -6.30 dBA/m

Location: 3.3, 1.6, 3.7 mm



0 dB = 69.56 = 36.85 dB

**#17\_HAC\_T-Coil\_WLAN2.4GHz\_802.11b 1Mbps\_Ch6\_Axial (Z)**

Communication System: 802.11b ; Frequency: 2437 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

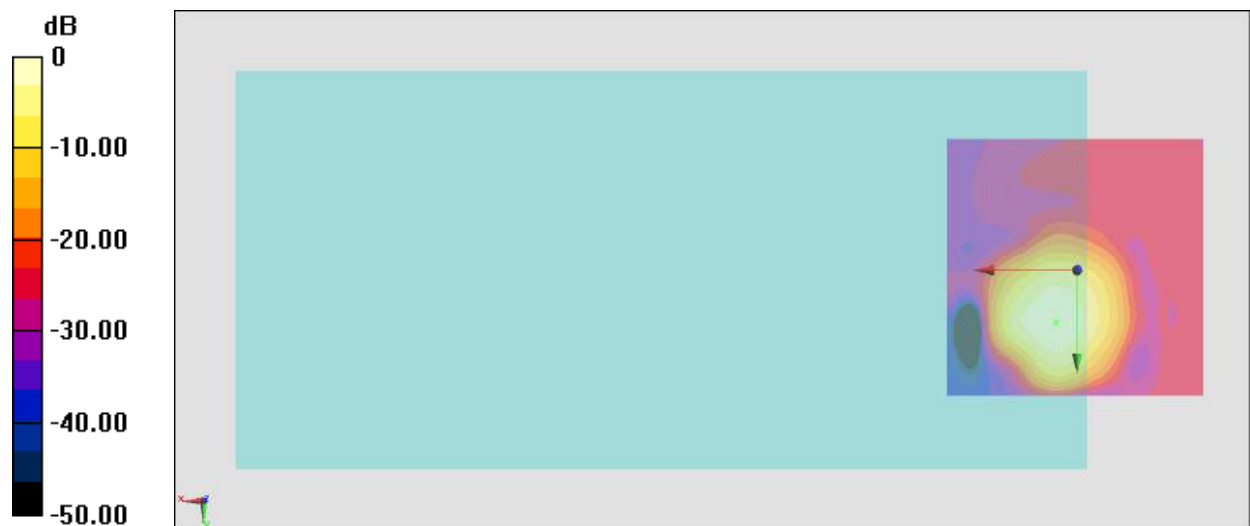
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.94 dB

ABM1 comp = -1.39 dBA/m

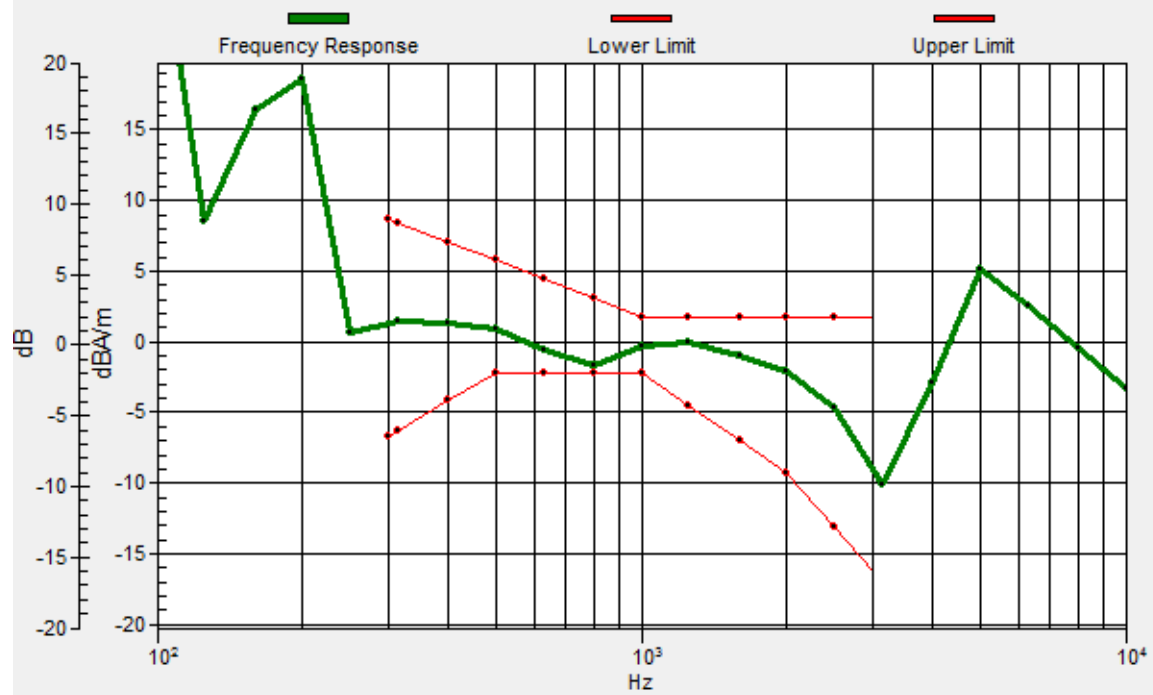
Location: 4, 10, 3.7 mm



0 dB = 39.53 = 31.94 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.62dB



**#17\_HAC\_T-Coil\_WLAN2.4GHz\_802.11b 1Mbps\_Ch6\_Transversal (Y)**

Communication System: 802.11b ; Frequency: 2437 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

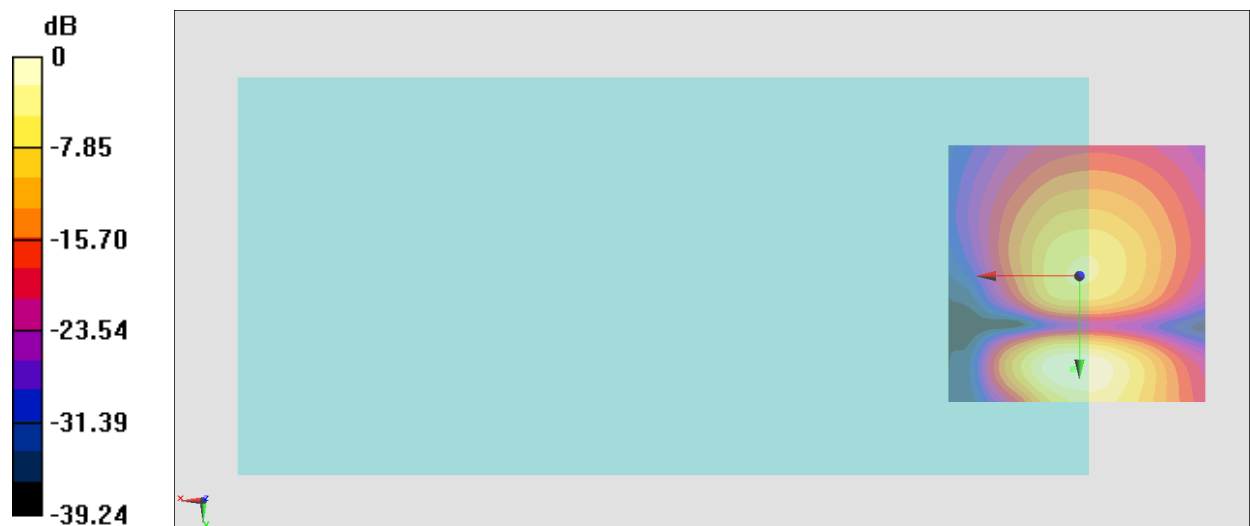
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 29.99 dB

ABM1 comp = -10.95 dBA/m

Location: 1.2, 17.7, 3.7 mm



0 dB = 34.49 = 29.99 dB

**#18\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch40\_Axial (Z)**

Communication System: 802.11a ; Frequency: 5200 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

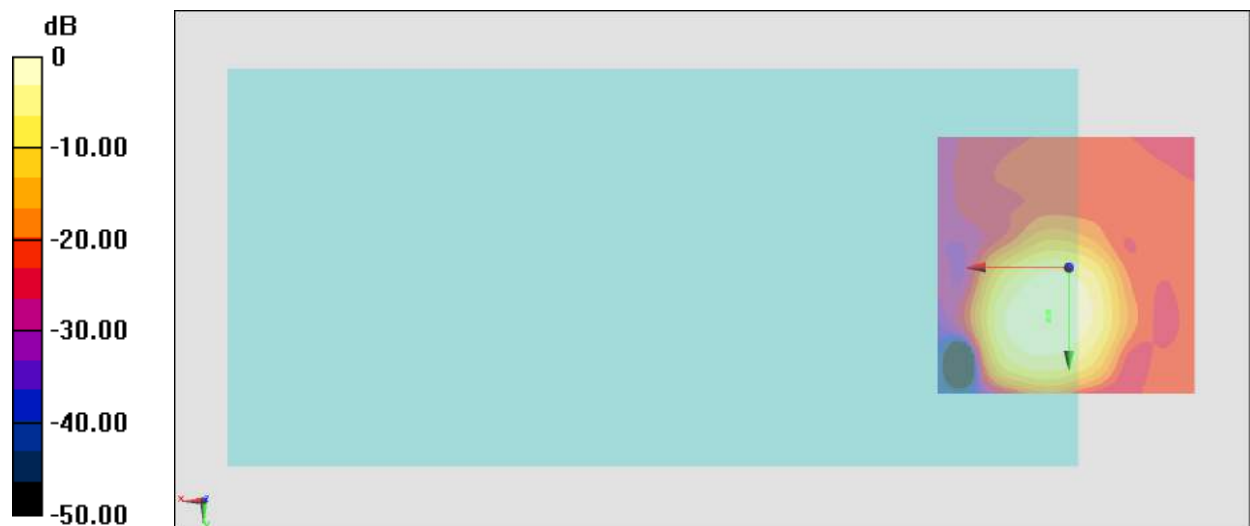
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.90 dB

ABM1 comp = -1.81 dBA/m

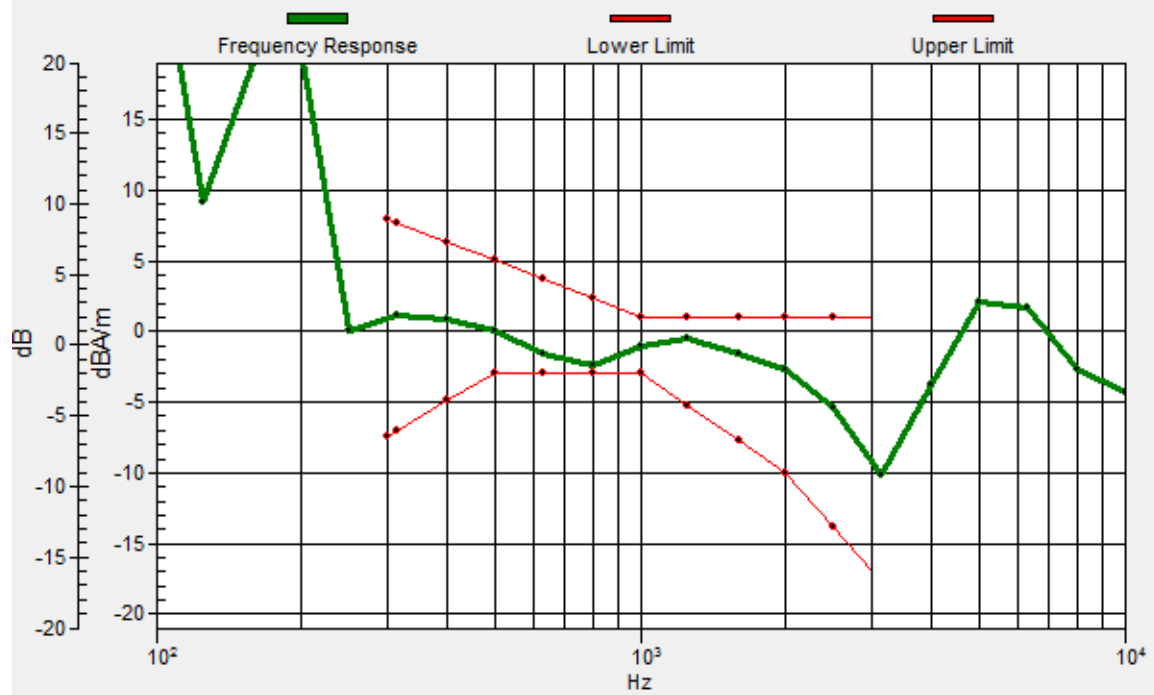
Location: 4, 8.6, 3.7 mm



0 dB = 49.57 = 33.90 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.58dB



**#18\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch40\_Transversal (Y)**

Communication System: 802.11a ; Frequency: 5200 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

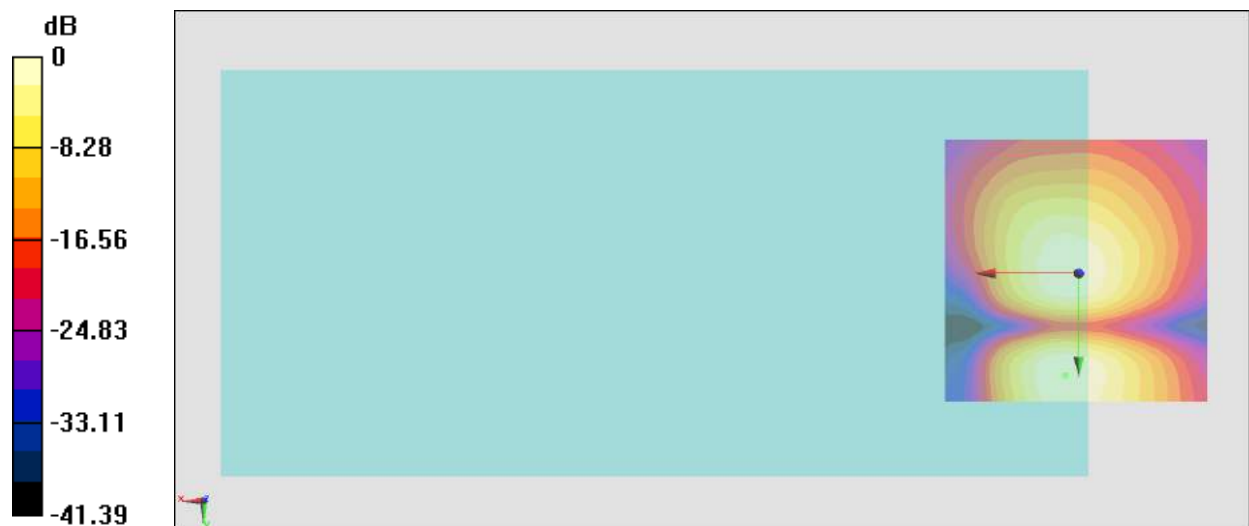
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.05 dB

ABM1 comp = -10.31 dBA/m

Location: 2.6, 19.1, 3.7 mm



0 dB = 44.94 = 33.05 dB

**#19\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch60\_Axial (Z)**

Communication System: 802.11a ; Frequency: 5300 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

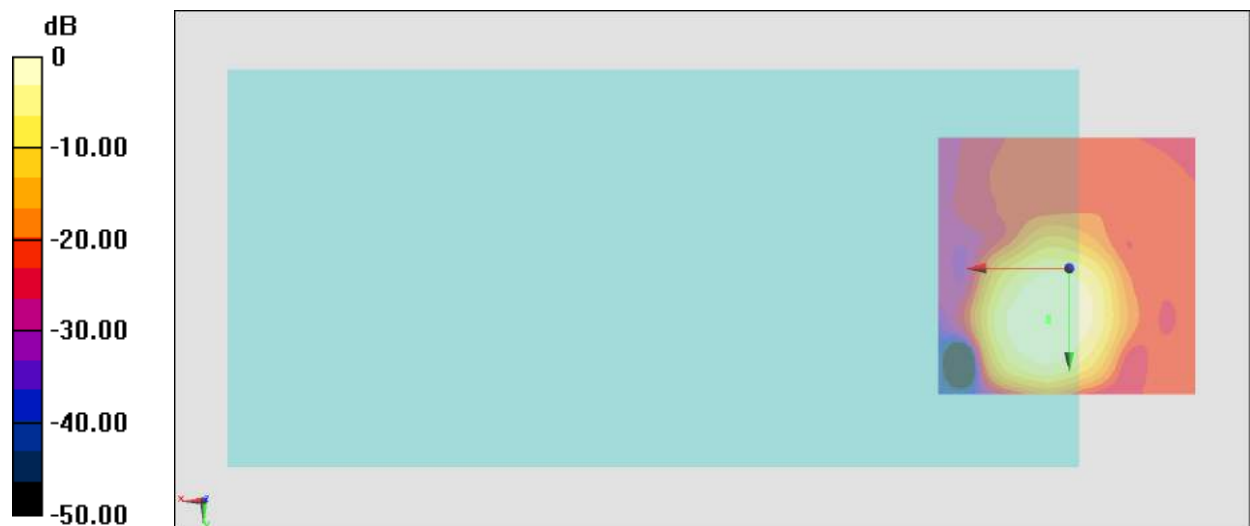
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.86 dB

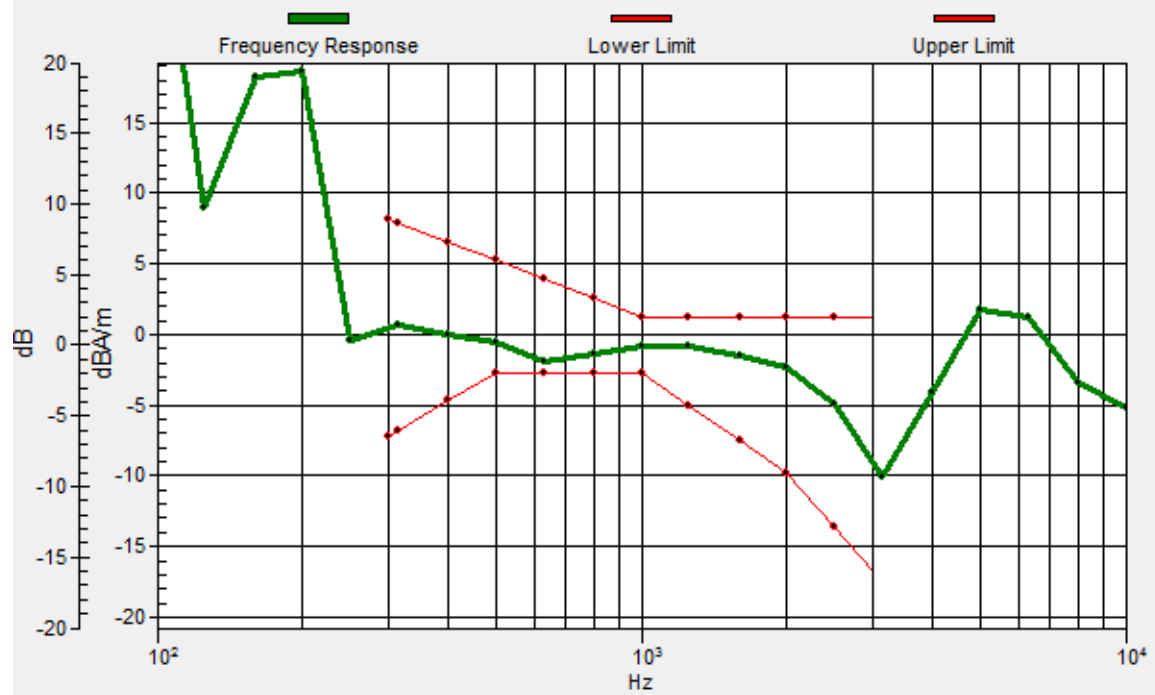
ABM1 comp = -1.74 dBA/m

Location: 4, 9.3, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.86dB



**#19\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch60\_Transversal (Y)**

Communication System: 802.11a ; Frequency: 5300 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

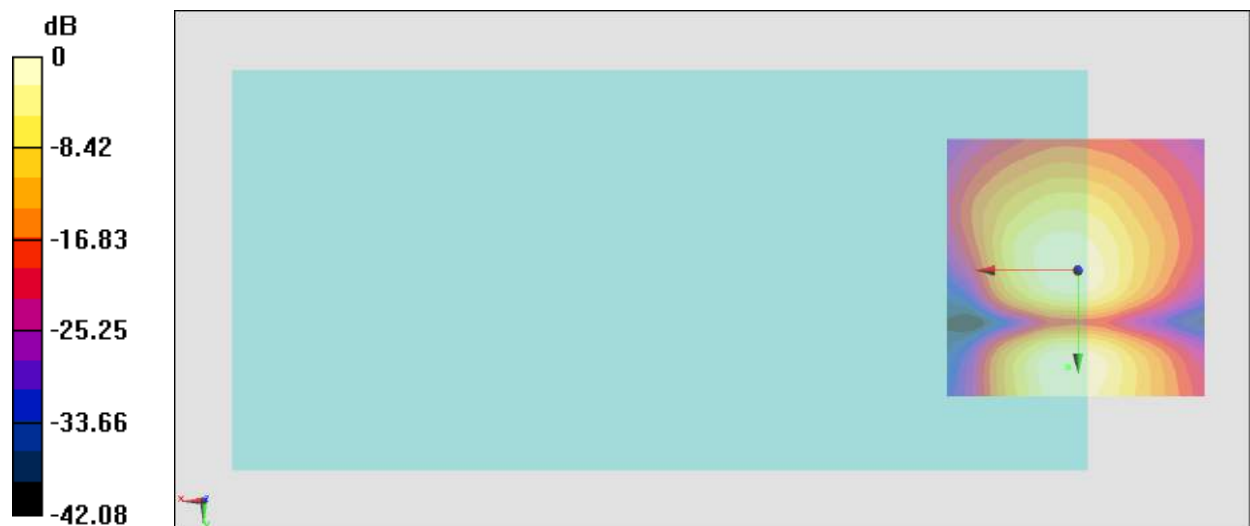
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.19 dB

ABM1 comp = -10.27 dBA/m

Location: 1.9, 18.4, 3.7 mm



0 dB = 45.68 = 33.19 dB

**#20\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch124\_Axial (Z)**

Communication System: 802.11a ; Frequency: 5620 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

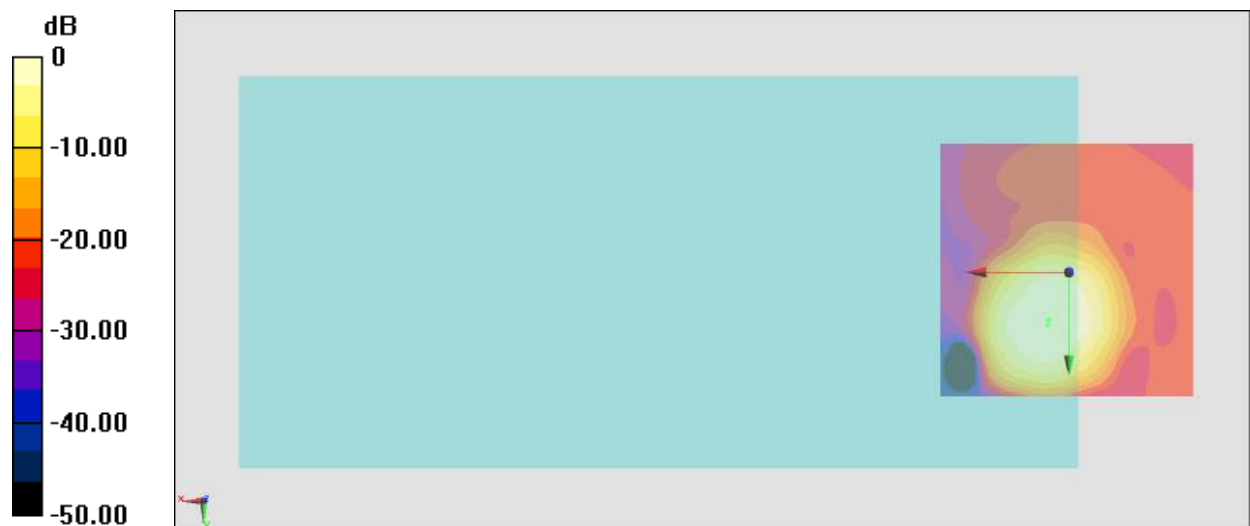
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.28 dB

ABM1 comp = -1.37 dBA/m

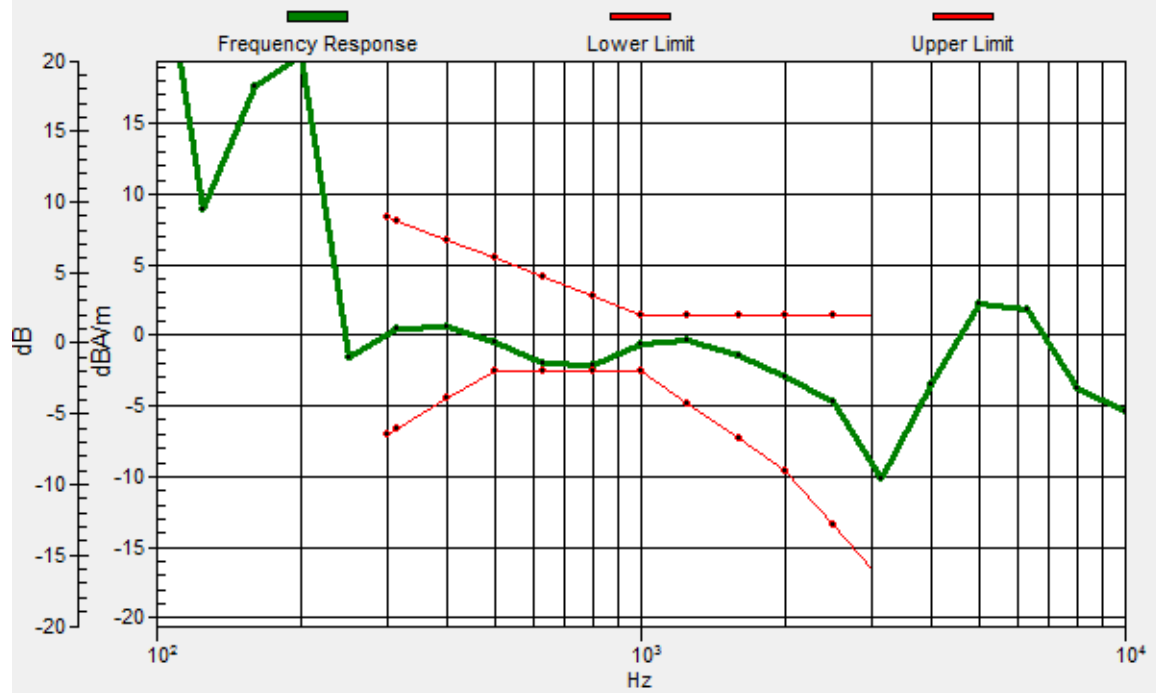
Location: 4, 9.3, 3.7 mm



0 dB = 51.76 = 34.28 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.4dB



**#20\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch124\_Transversal (Y)**

Communication System: 802.11a ; Frequency: 5620 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

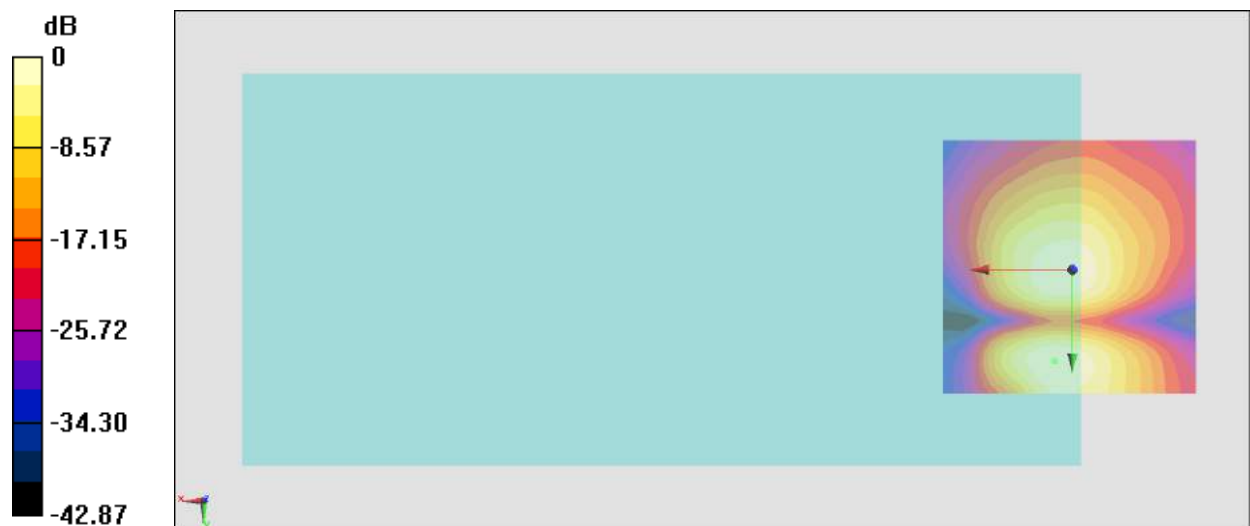
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.34 dB

ABM1 comp = -9.63 dBA/m

Location: 3.3, 17.7, 3.7 mm



0 dB = 46.47 = 33.34 dB

**#21\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch157\_Axial (Z)**

Communication System: 802.11a ; Frequency: 5785 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

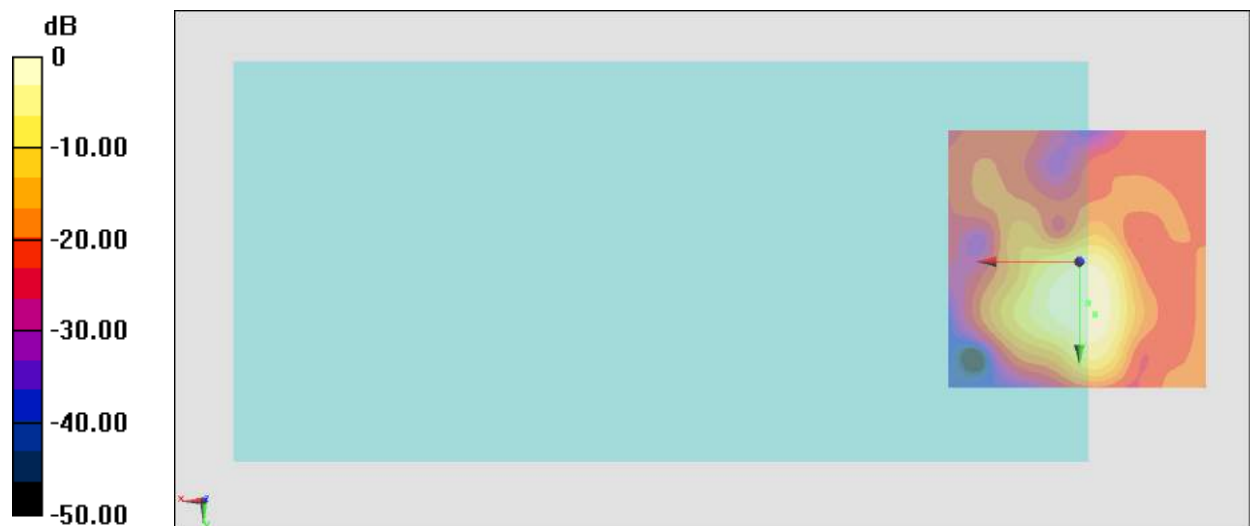
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.05 dB

ABM1 comp = -8.98 dBA/m

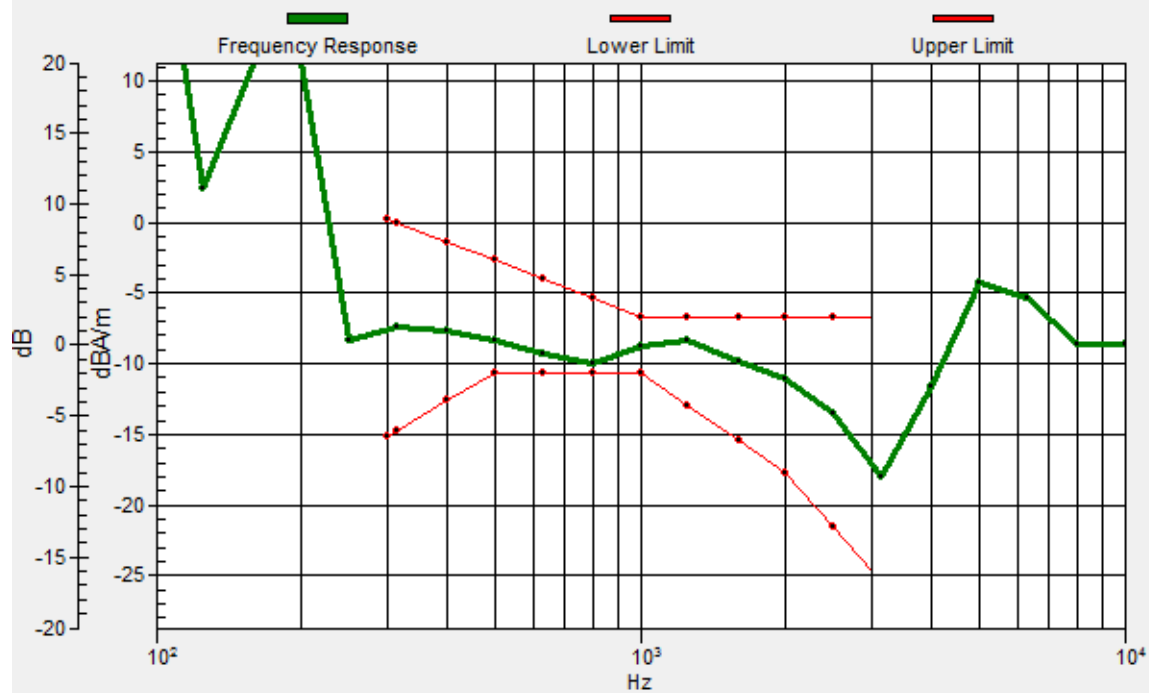
Location: -1.6, 7.9, 3.7 mm



0 dB = 35.70 = 31.05 dB

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

Loc: -3, 10, 3.7 mm Diff: 0.69dB



**#21\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch157\_Transversal (Y)**

Communication System: 802.11a ; Frequency: 5785 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

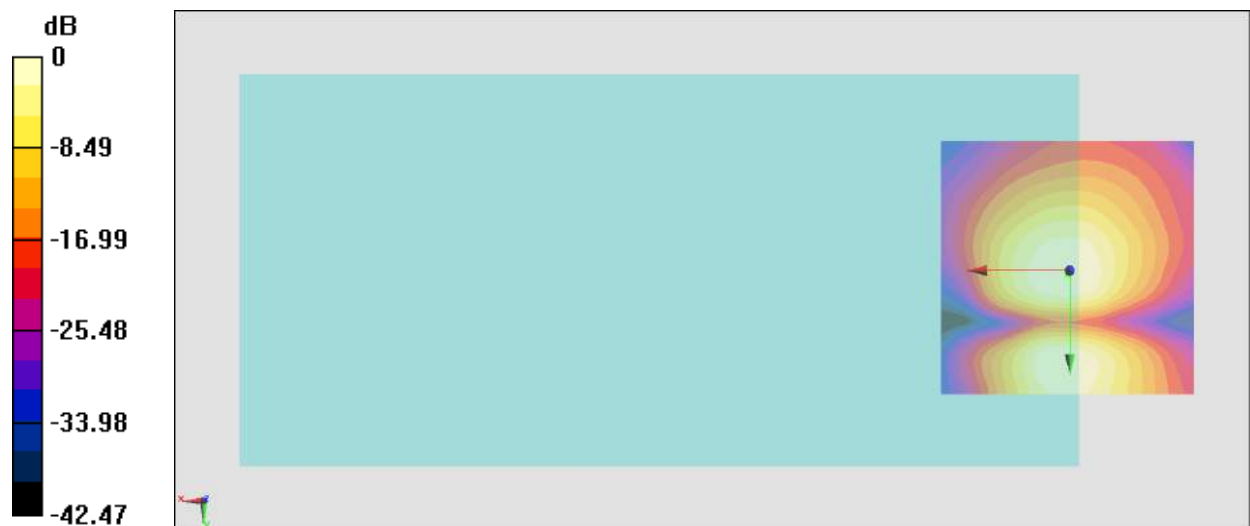
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.19 dB

ABM1 comp = -11.42 dBA/m

Location: 0.5, 0.9, 3.7 mm



0 dB = 45.64 = 33.19 dB

**#22\_HAC\_T-Coil\_GSM850\_EDGE 2 Tx slots\_Ch189\_Axial (Z)**

Communication System: GSM850; Frequency: 836.4 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

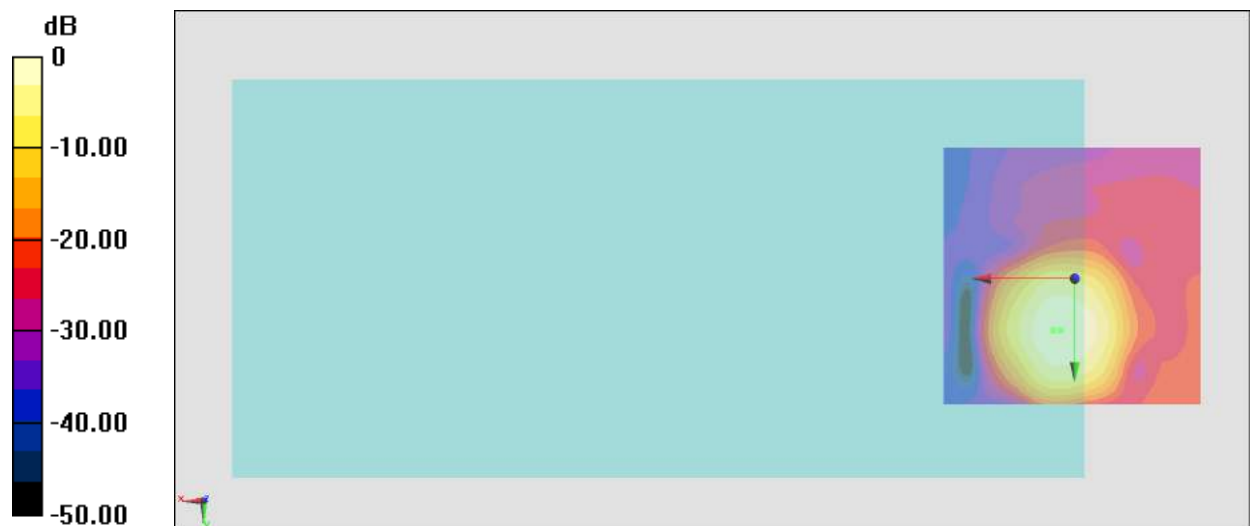
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.57 dB

ABM1 comp = -1.29 dBA/m

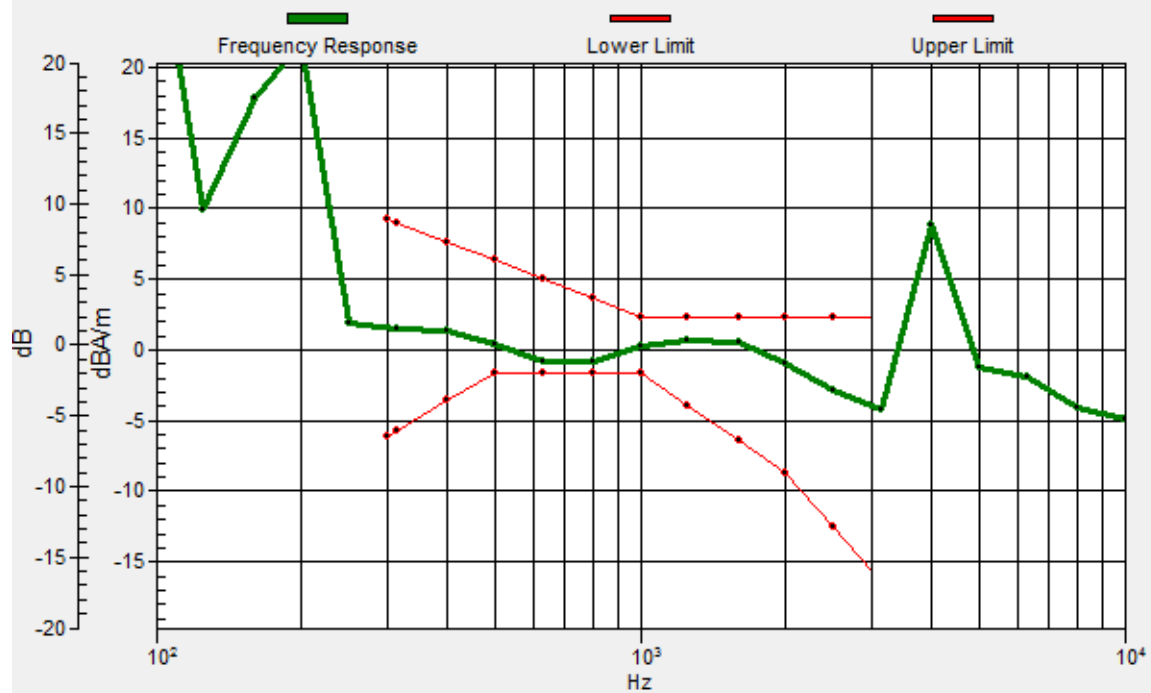
Location: 2.6, 10, 3.7 mm



0 dB = 37.89 = 31.57 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.78dB



**#22\_HAC\_T-Coil\_GSM850\_EDGE 2 Tx slots\_Ch189\_Transversal (Y)**

Communication System: GSM850; Frequency: 836.4 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

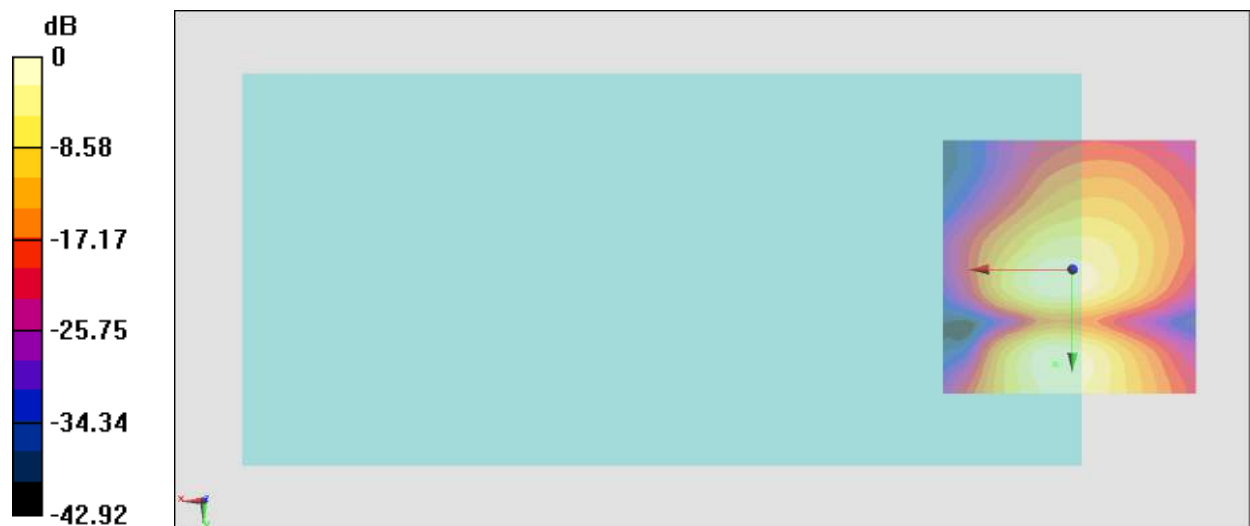
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.66 dB

ABM1 comp = -9.85 dBA/m

Location: 3.3, 18.4, 3.7 mm



0 dB = 38.28 = 31.66 dB

**#23\_HAC\_T-Coil\_GSM1900\_EDGE 2 Tx slots\_Ch661\_Axial (Z)**

Communication System: PCS; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.43 dB

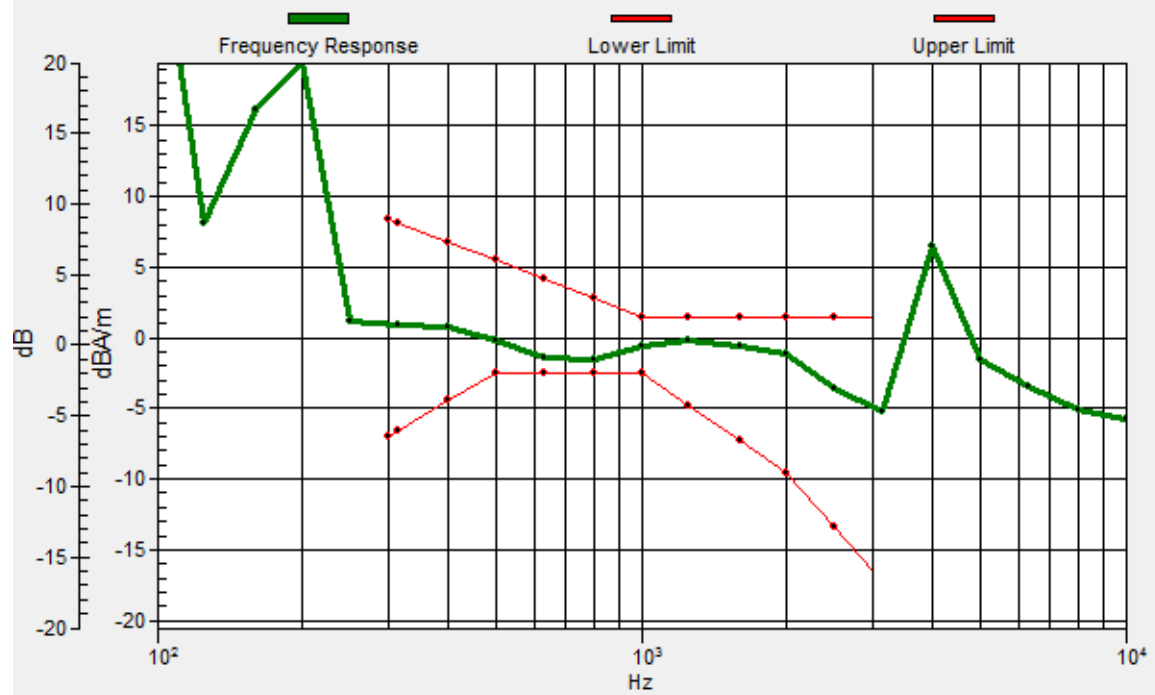
ABM1 comp = -1.45 dBA/m

Location: 3.3, 9.3, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.99dB



**#23\_HAC\_T-Coil\_GSM1900\_EDGE 2 Tx slots\_Ch661\_Transversal (Y)**

Communication System: PCS; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

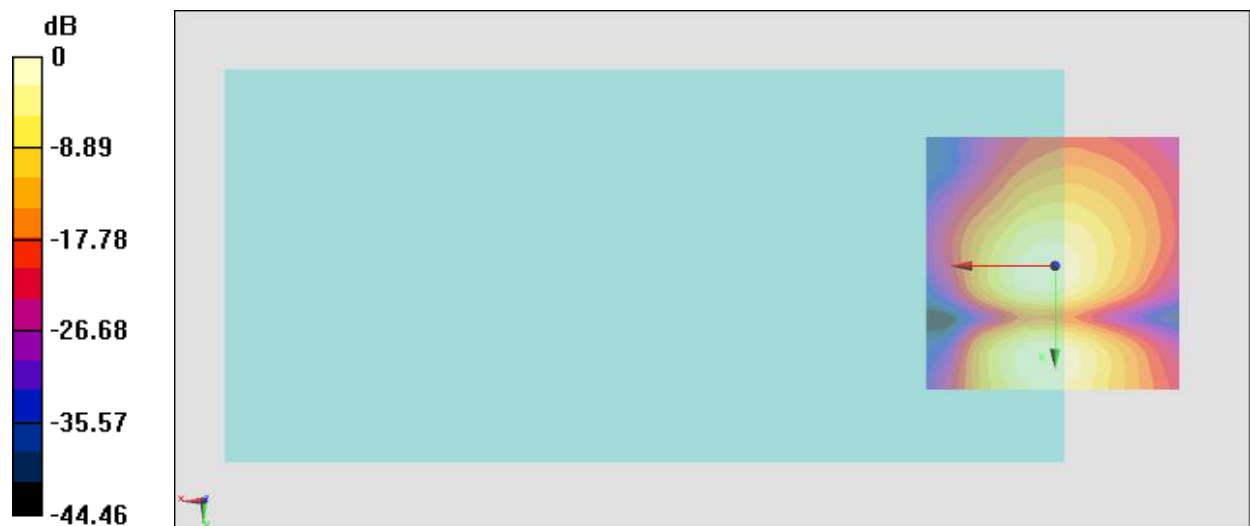
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.00 dB

ABM1 comp = -9.15 dBA/m

Location: 2.6, 17.7, 3.7 mm



0 dB = 44.65 = 33.00 dB

**#24\_HAC\_T-Coil\_WCDMA II\_HSPA\_Ch9400\_Axial (Z)**

Communication System: WCDMA ; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

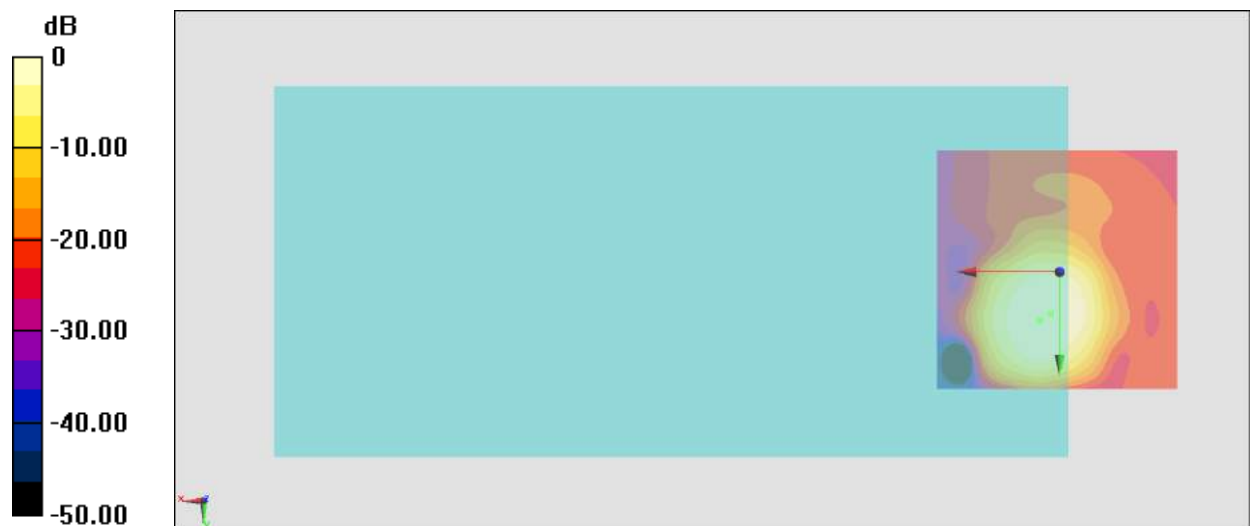
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.61 dB

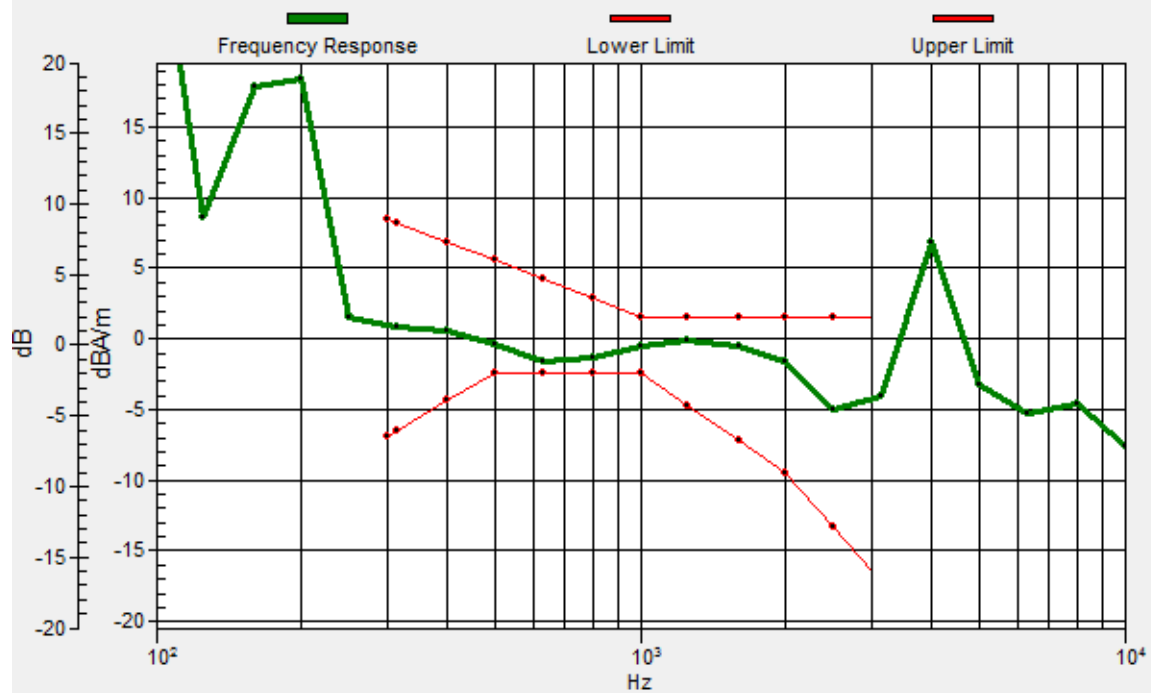
ABM1 comp = -2.15 dBA/m

Location: 1.9, 8.6, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.84dB



**#24\_HAC\_T-Coil\_WCDMA II\_HSPA\_Ch9400\_Transversal (Y)**

Communication System: WCDMA ; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

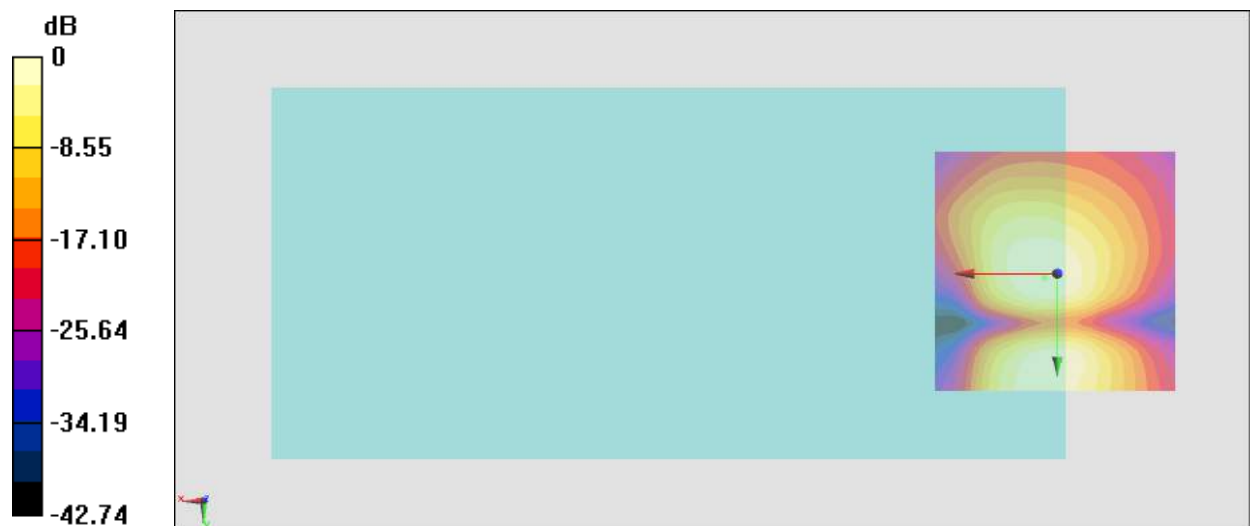
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.91 dB

ABM1 comp = -9.49 dBA/m

Location: 2.6, 0.9, 3.7 mm



0 dB = 55.66 = 34.91 dB

**#25\_HAC\_T-Coil\_WCDMA IV\_HSPA\_Ch1413\_Axial (Z)**

Communication System: WCDMA ; Frequency: 1732.6 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

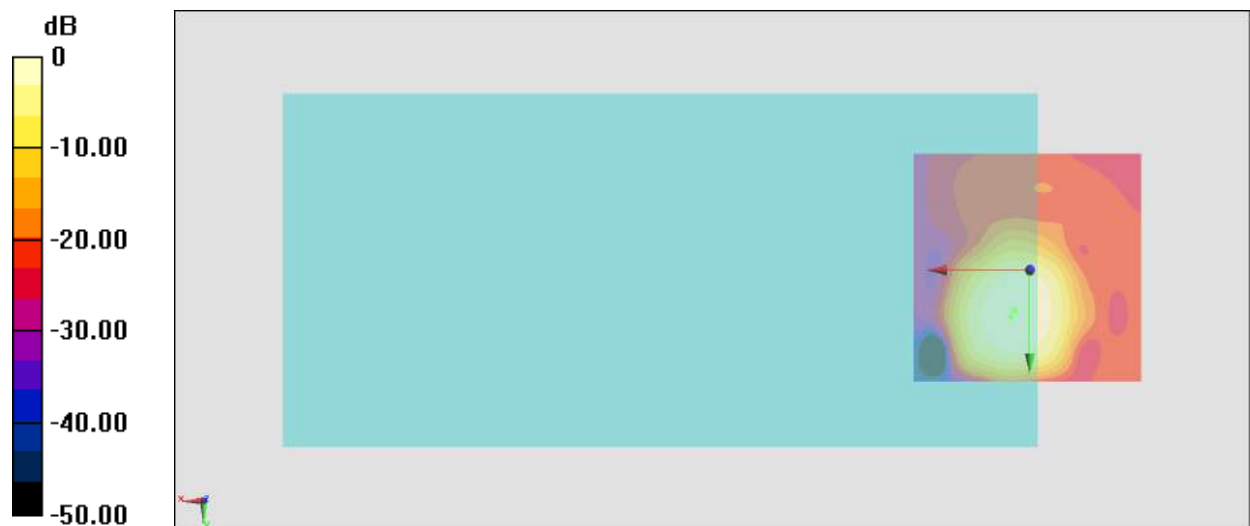
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.71 dB

ABM1 comp = -1.10 dBA/m

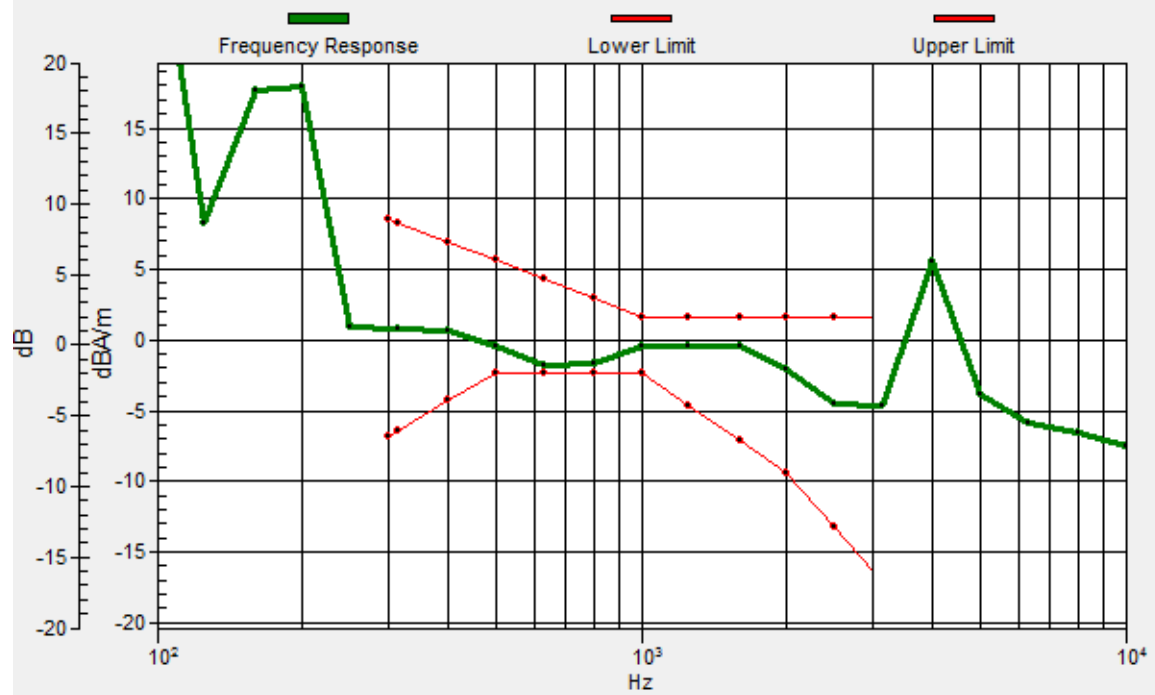
Location: 3.3, 8.6, 3.7 mm



0 dB = 68.47 = 36.71 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.63dB



**#25\_HAC\_T-Coil\_WCDMA IV\_HSPA\_Ch1413\_Transversal (Y)**

Communication System: WCDMA ; Frequency: 1732.6 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

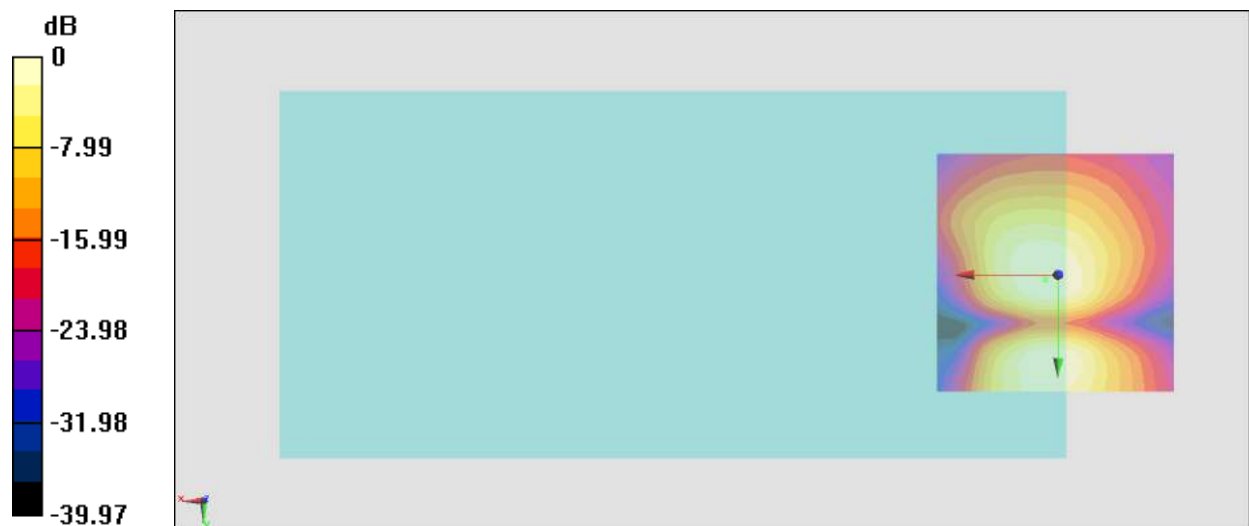
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.42 dB

ABM1 comp = -10.07 dBA/m

Location: 2.6, 0.9, 3.7 mm



0 dB = 52.58 = 34.42 dB

**#26\_HAC\_T-Coil\_WCDMA V\_HSPA\_Ch4182\_Axial (Z)**

Communication System: WCDMA; Frequency: 836.4 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

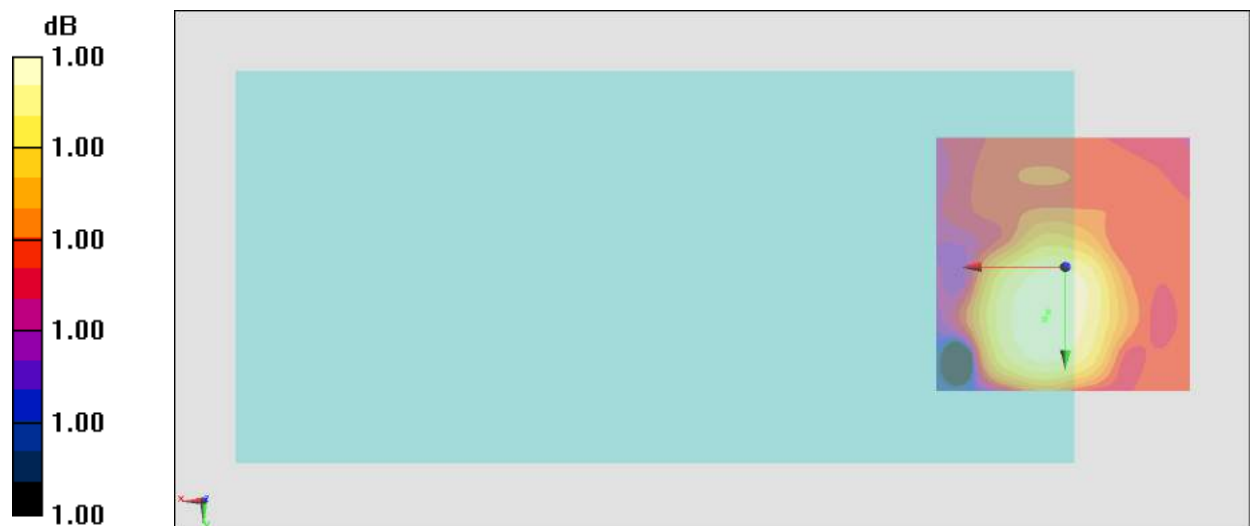
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.11 dB

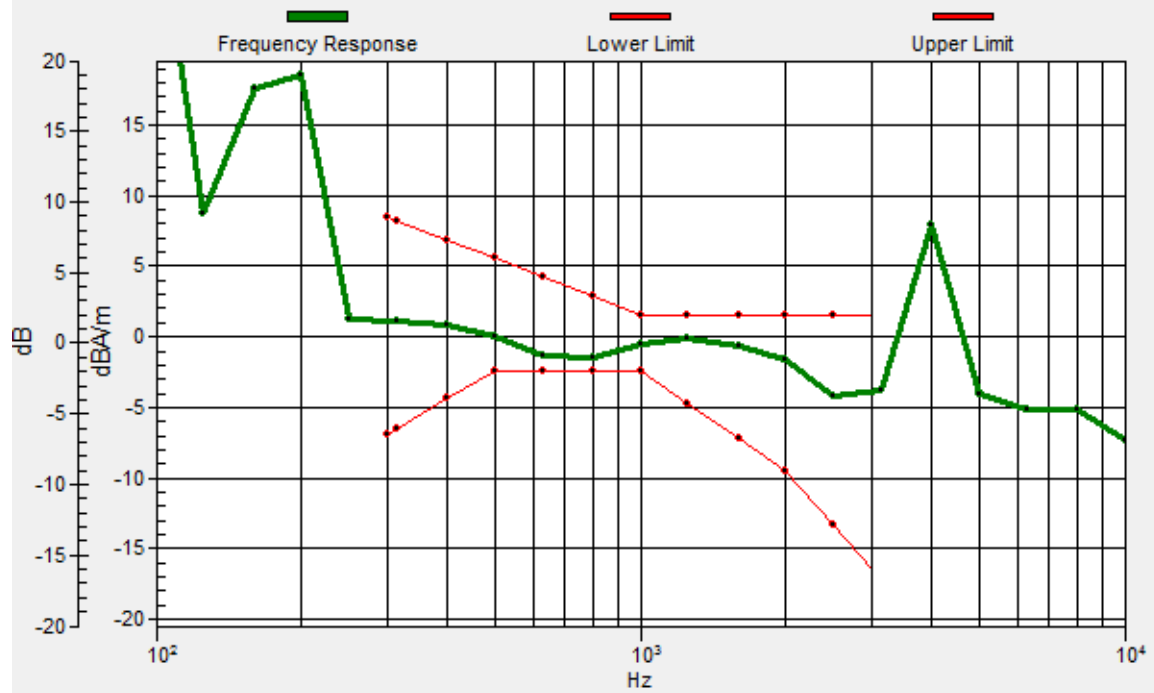
ABM1 comp = -1.43 dBA/m

Location: 3.3, 8.6, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 1dB



**#26\_HAC\_T-Coil\_WCDMA V\_HSPA\_Ch4182\_Transversal (Y)**

Communication System: WCDMA; Frequency: 836.4 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

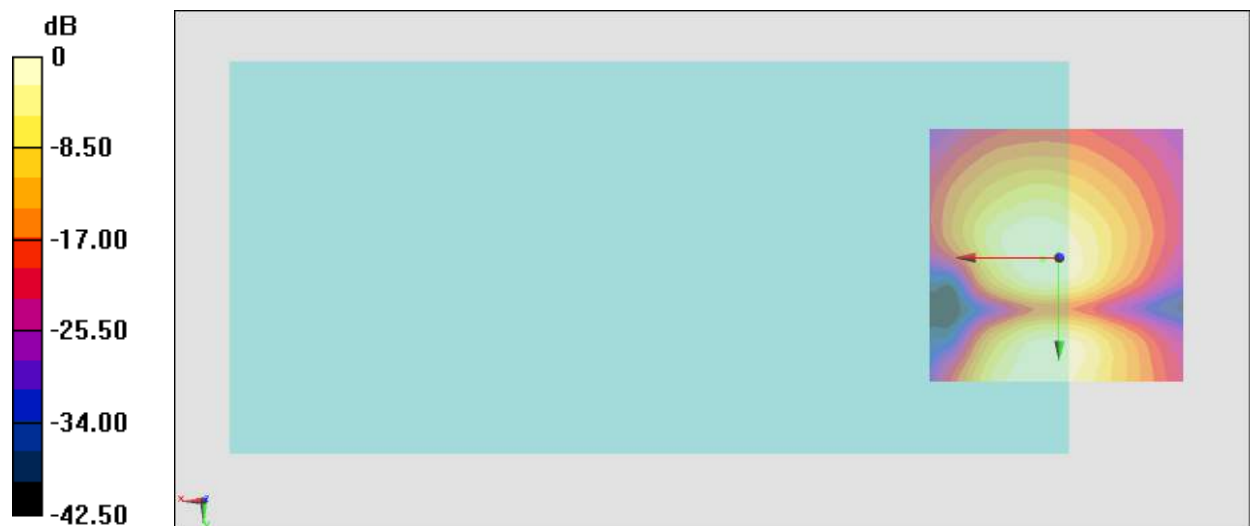
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.60 dB

ABM1 comp = -9.40 dBA/m

Location: 3.3, 0.2, 3.7 mm



0 dB = 53.73 = 34.60 dB

**#27\_HAC\_T-Coil\_CDMA BC0\_RTAP 153.6Kbps\_Ch384\_Axial (Z)**

Communication System: CDMA T-Coil; Frequency: 836.52 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

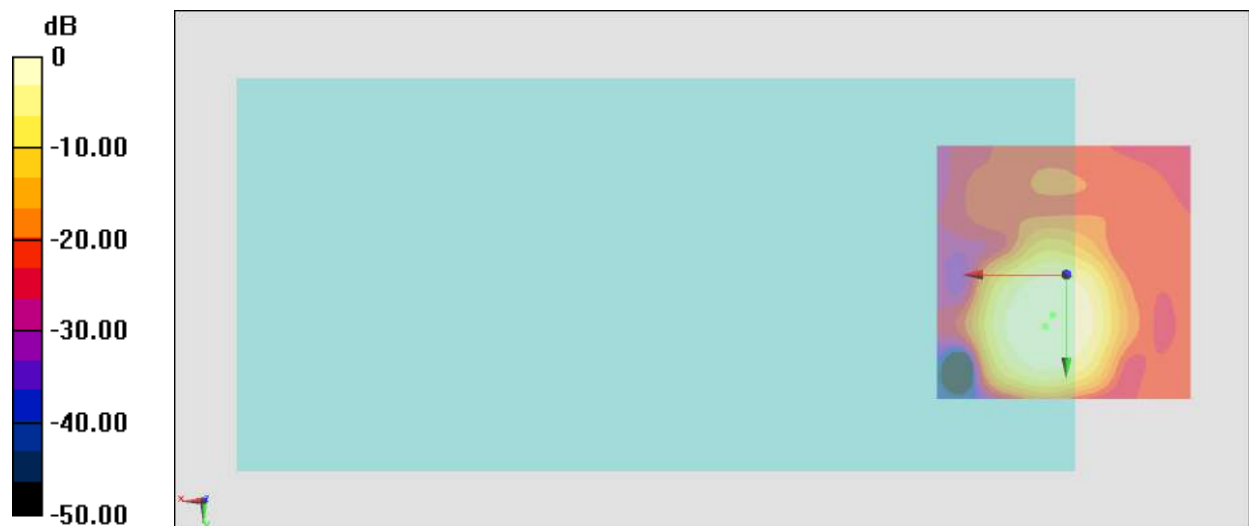
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.26 dB

ABM1 comp = -1.75 dBA/m

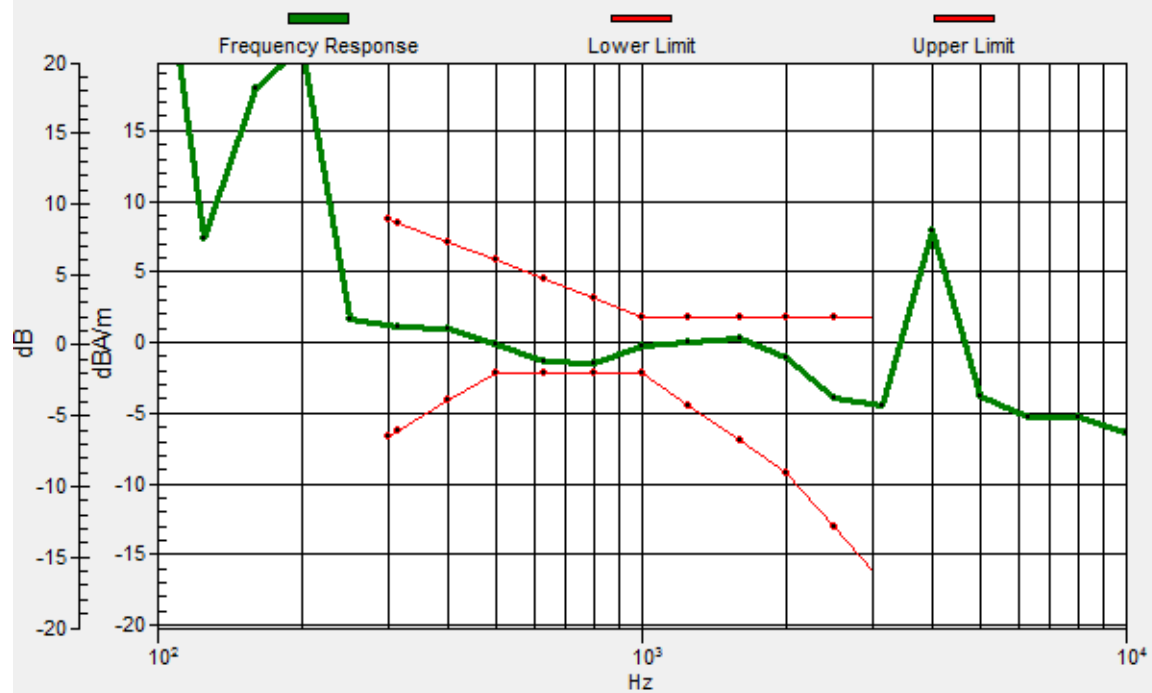
Location: 2.6, 7.9, 3.7 mm



0 dB = 65.03 = 36.26 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.65dB



**#27\_HAC\_T-Coil\_CDMA BC0\_RTAP 153.6Kbps\_Ch384\_Transversal (Y)**

Communication System: CDMA T-Coil; Frequency: 836.52 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

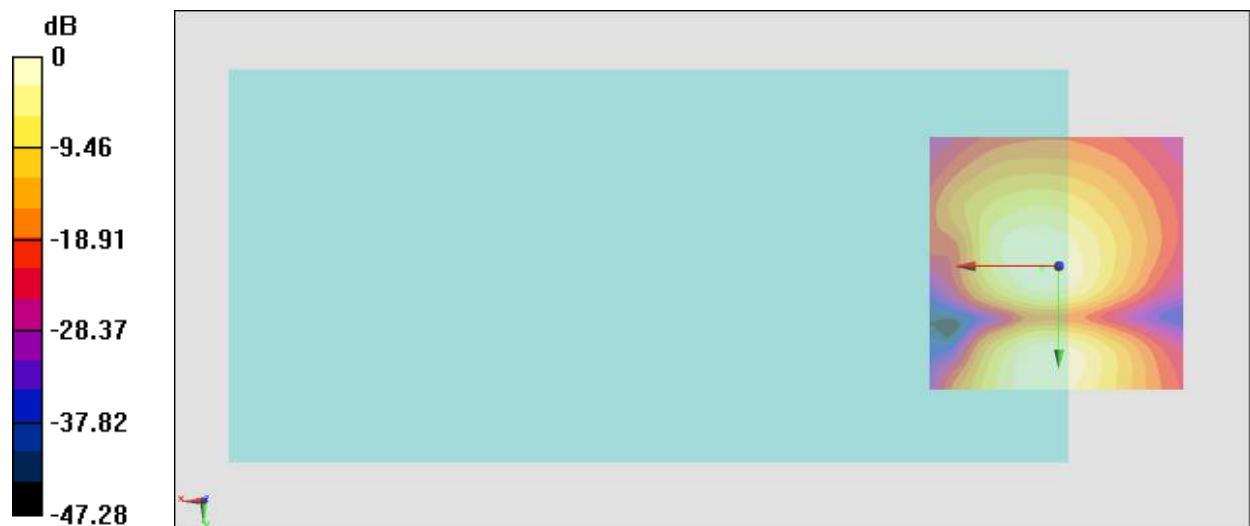
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.68 dB

ABM1 comp = -9.47 dBA/m

Location: 3.3, 0.2, 3.7 mm



0 dB = 54.18 = 34.68 dB

**#28\_HAC\_T-Coil\_CDMA BC1\_RTAP 153.6Kbps\_Ch600\_Axial (Z)**

Communication System: CDMA ; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

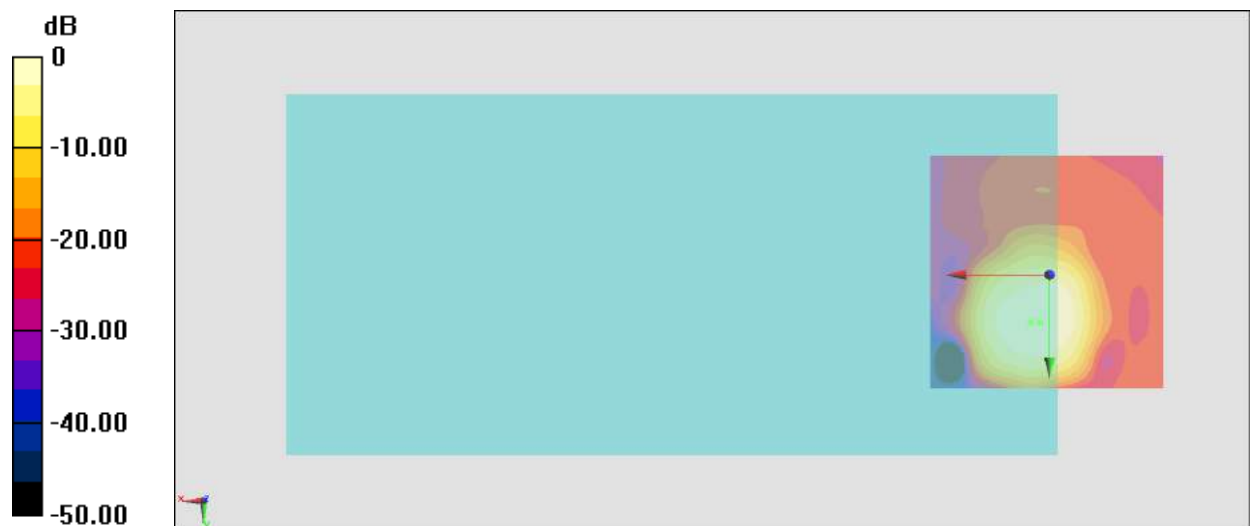
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.67 dB

ABM1 comp = -1.87 dBA/m

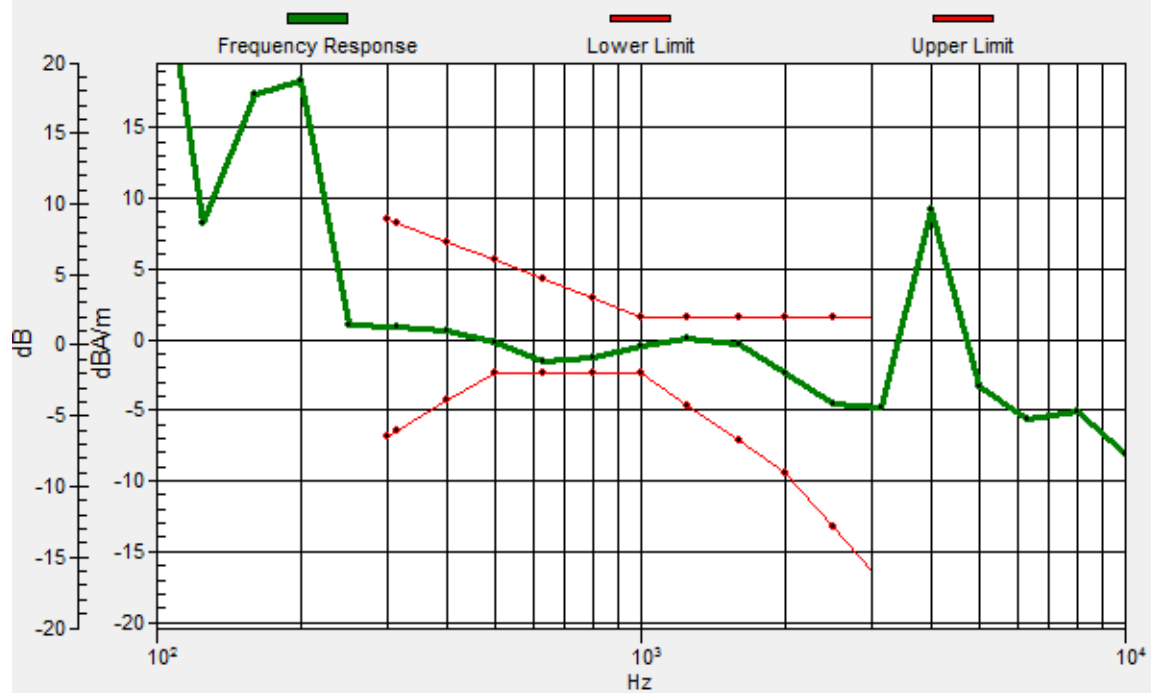
Location: 1.9, 10, 3.7 mm



0 dB = 68.19 = 36.67 dB

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

Loc: 4, 10, 3.7 mm Diff: 0.82dB



**#28\_HAC\_T-Coil\_CDMA BC1\_RTAP 153.6Kbps\_Ch600\_Transversal (Y)**

Communication System: CDMA ; Frequency: 1880 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.86 dB

ABM1 comp = -9.21 dBA/m

Location: 3.3, 0.9, 3.7 mm



0 dB = 55.36 = 34.86 dB

**#29\_HAC\_T-Coil\_CDMA BC10\_RTAP 153.6Kbps\_Ch580\_Axial (Z)**

Communication System: CDMA T-Coil; Frequency: 820.5 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

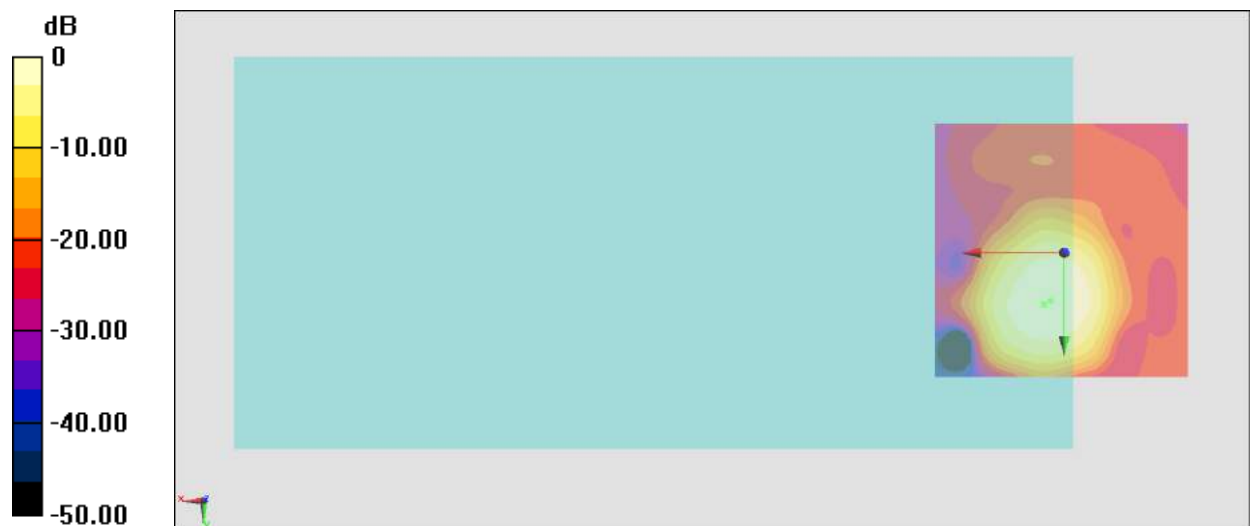
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.47 dB

ABM1 comp = -1.61 dBA/m

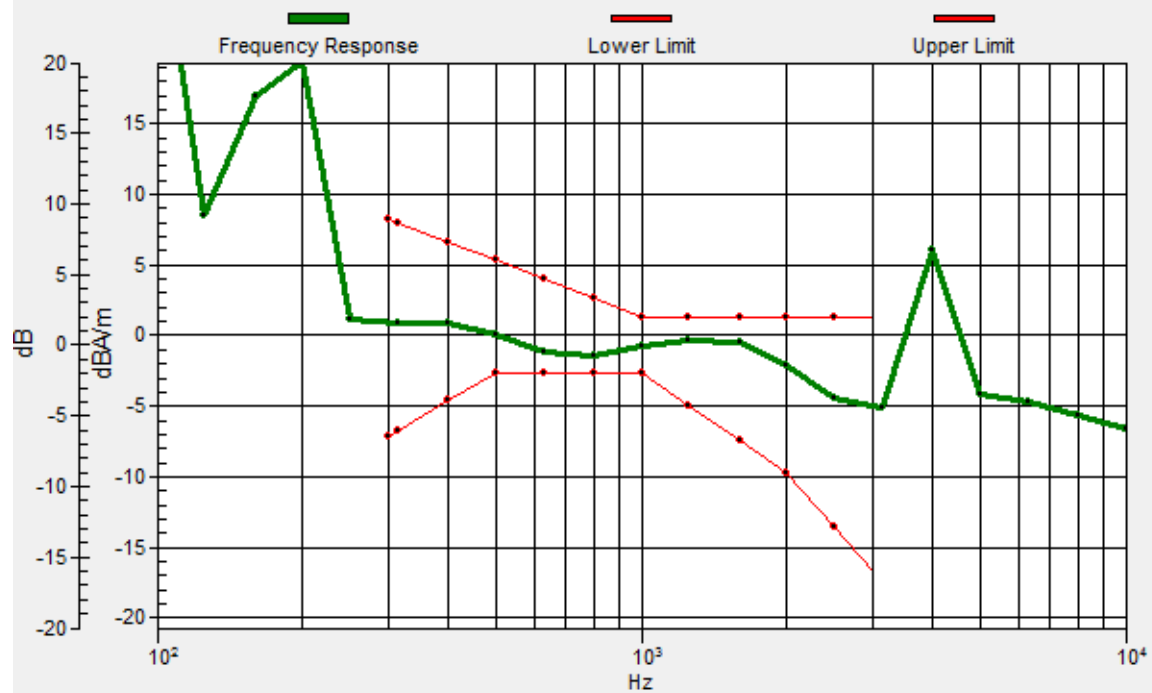
Location: 2.6, 9.3, 3.7 mm



0 dB = 66.58 = 36.47 dB

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

Loc: 4, 10, 3.7 mm Diff: 1.19dB



**#29\_HAC\_T-Coil\_CDMA BC10\_RTAP 153.6Kbps\_Ch580\_Transversal (Y)**

Communication System: CDMA T-Coil; Frequency: 820.5 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

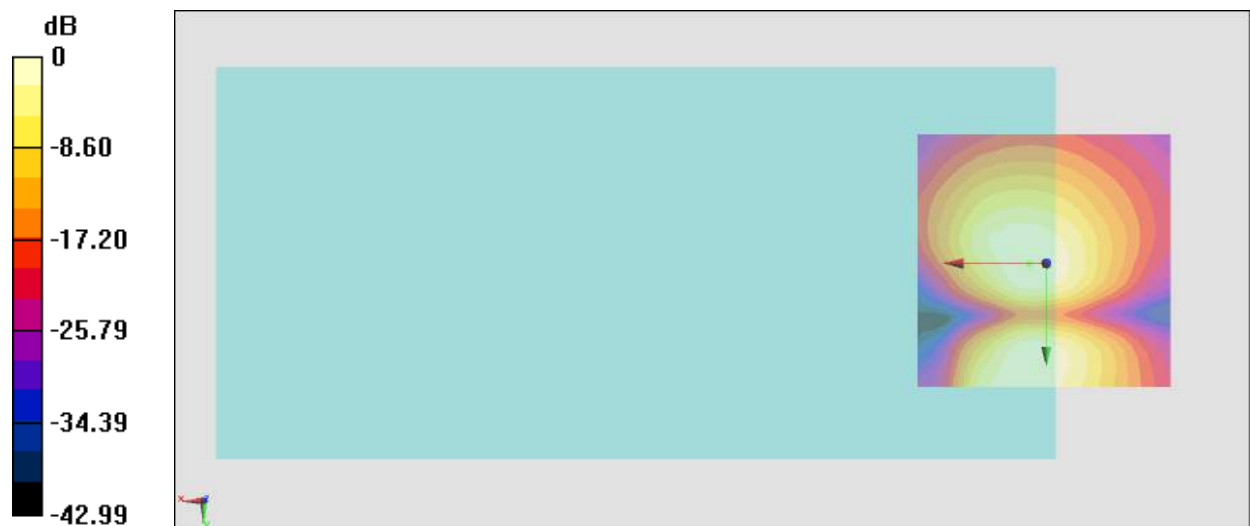
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.58 dB

ABM1 comp = -9.37 dBA/m

Location: 3.3, 0.2, 3.7 mm



0 dB = 53.59 = 34.58 dB

**#30\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1\_0\_Ch132322\_Axial (Z)**

Communication System: LTE; Frequency: 1745 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.25 dB

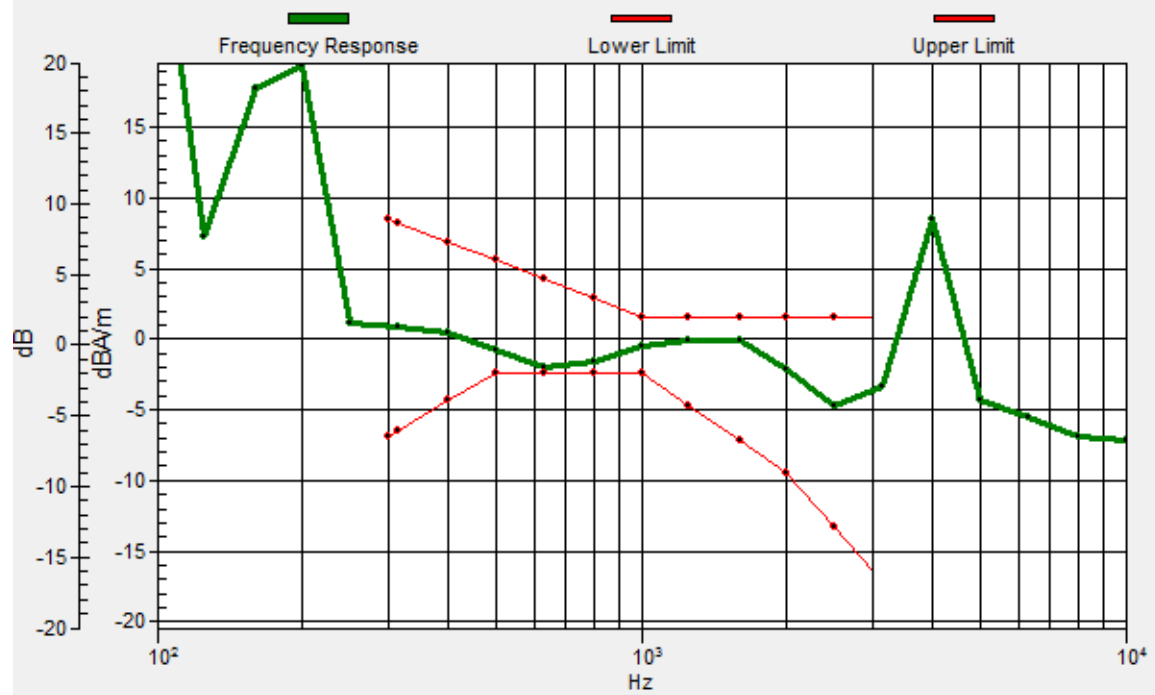
ABM1 comp = -1.23 dBA/m

Location: 2.6, 9.3, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.46dB



**#30\_HAC\_T-Coil\_LTE Band 66\_20M\_QPSK\_1\_0\_Ch132322\_Transversal (Y)**

Communication System: LTE; Frequency: 1745 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

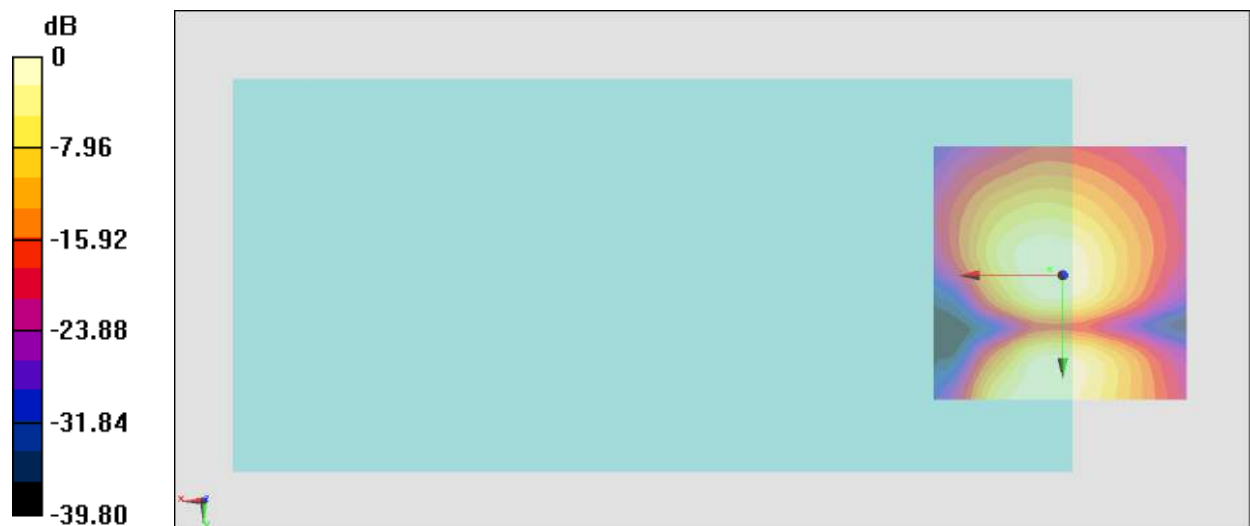
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 34.05 dB

ABM1 comp = -10.20 dBA/m

Location: 2.6, -1.2, 3.7 mm



0 dB = 50.42 = 34.05 dB

**#31\_HAC\_T-Coil\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40620\_Axial (Z)**

Communication System: LTE TDD; Frequency: 2593 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

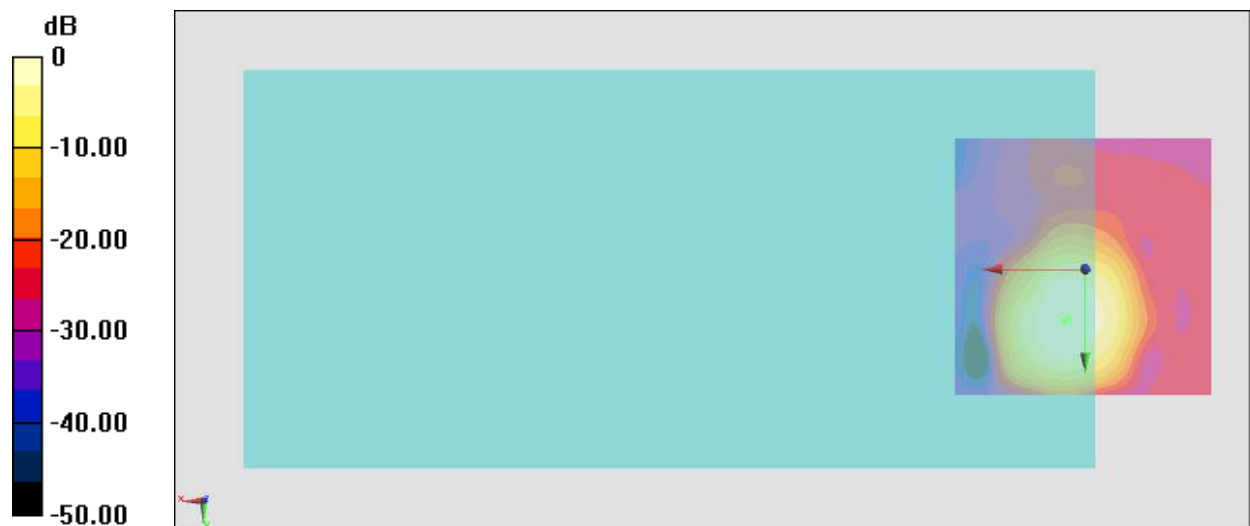
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

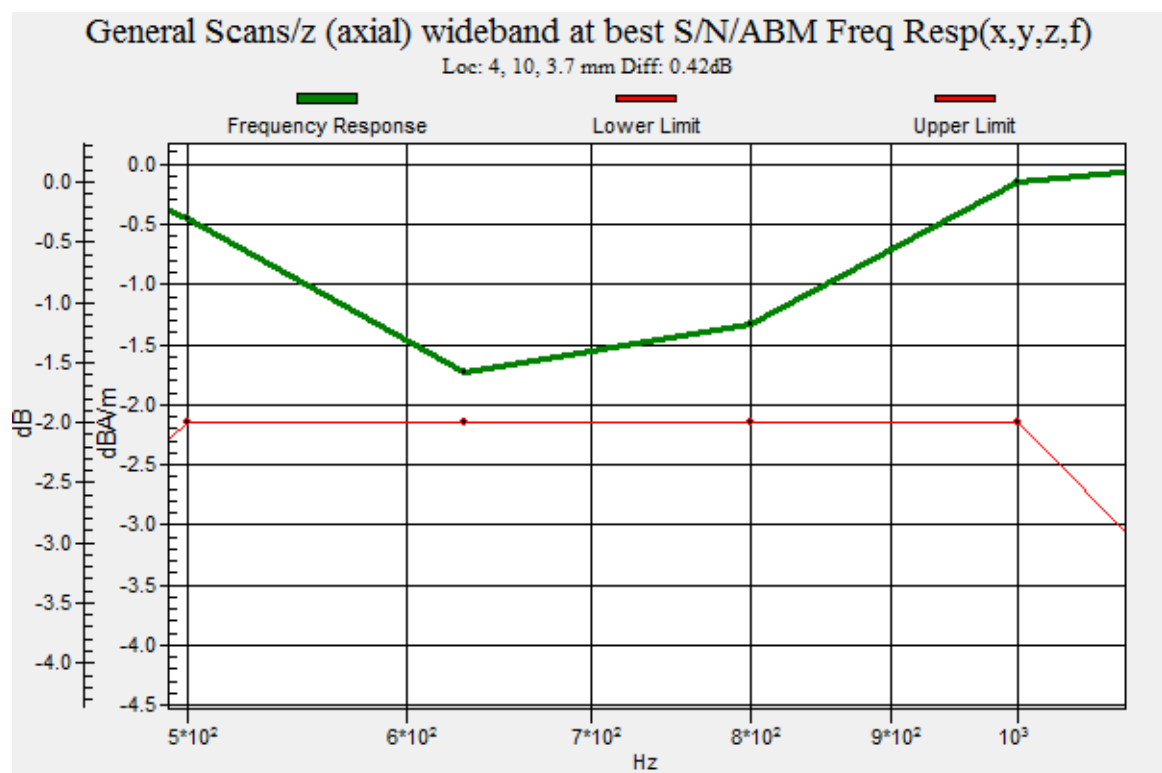
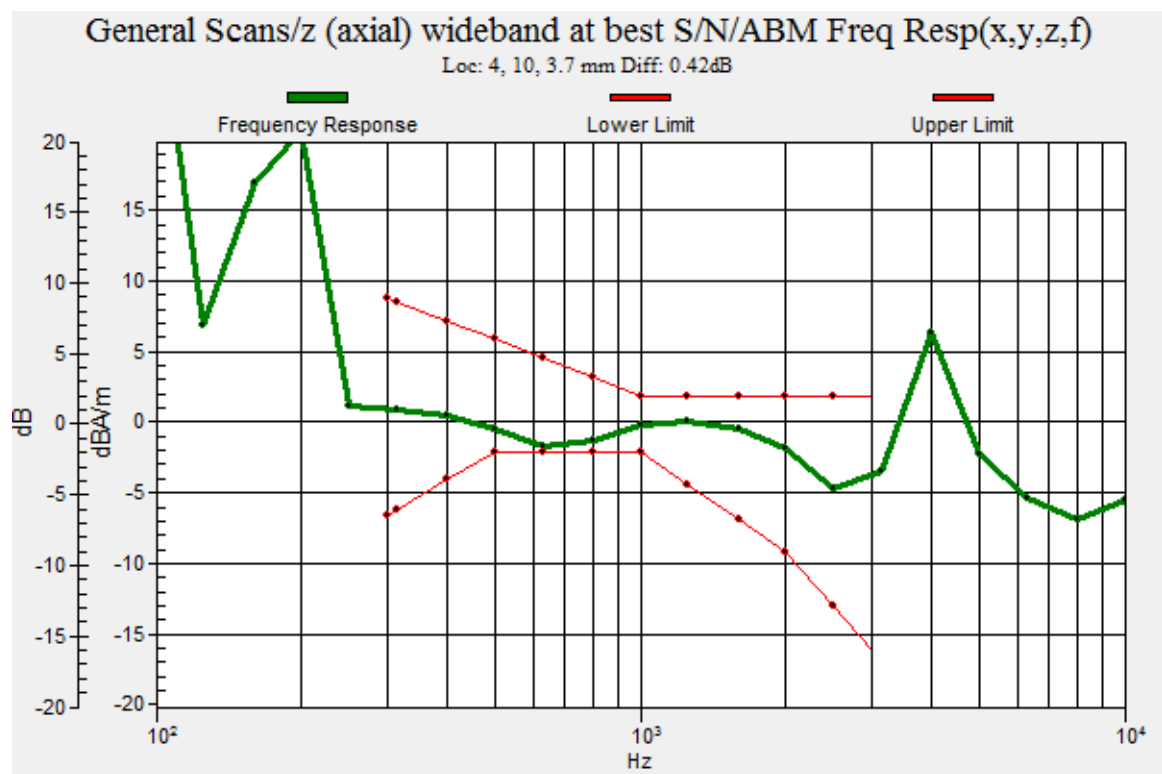
ABM1/ABM2 = 35.28 dB

ABM1 comp = -1.03 dBA/m

Location: 3.3, 9.3, 3.7 mm



0 dB = 58.06 = 35.28 dB



**#31\_HAC\_T-Coil\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40620\_Transversal (Y)**

Communication System: LTE TDD; Frequency: 2593 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

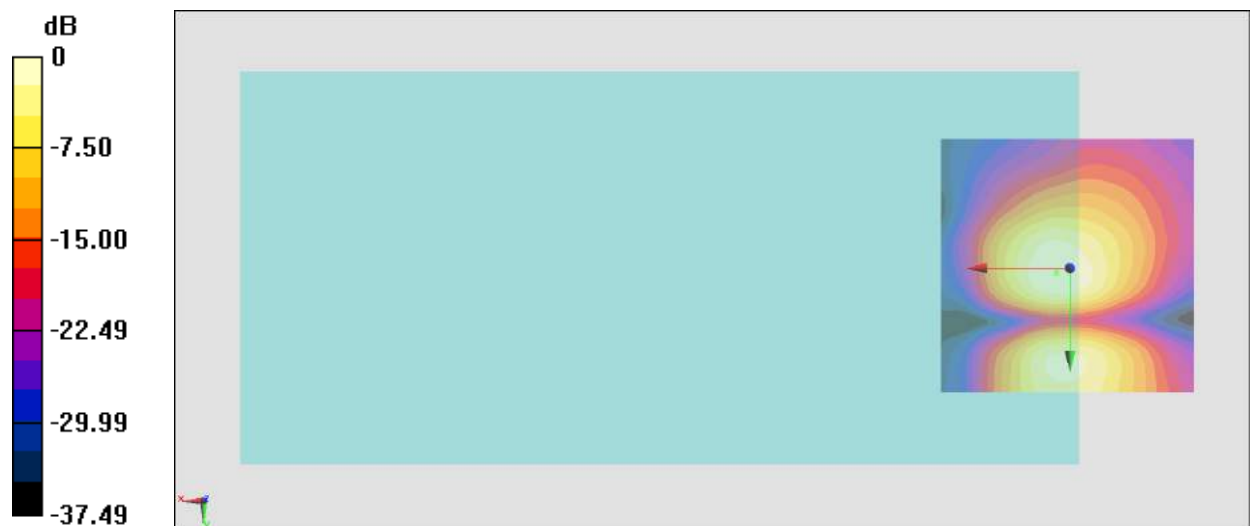
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 33.86 dB

ABM1 comp = -9.34 dBA/m

Location: 2.6, 0.9, 3.7 mm



**#32\_HAC\_T-Coil\_WLAN2.4GHz\_802.11b 1Mbps\_Ch6\_Axial (Z)**

Communication System: 802.11b; Frequency: 2437 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.43 dB

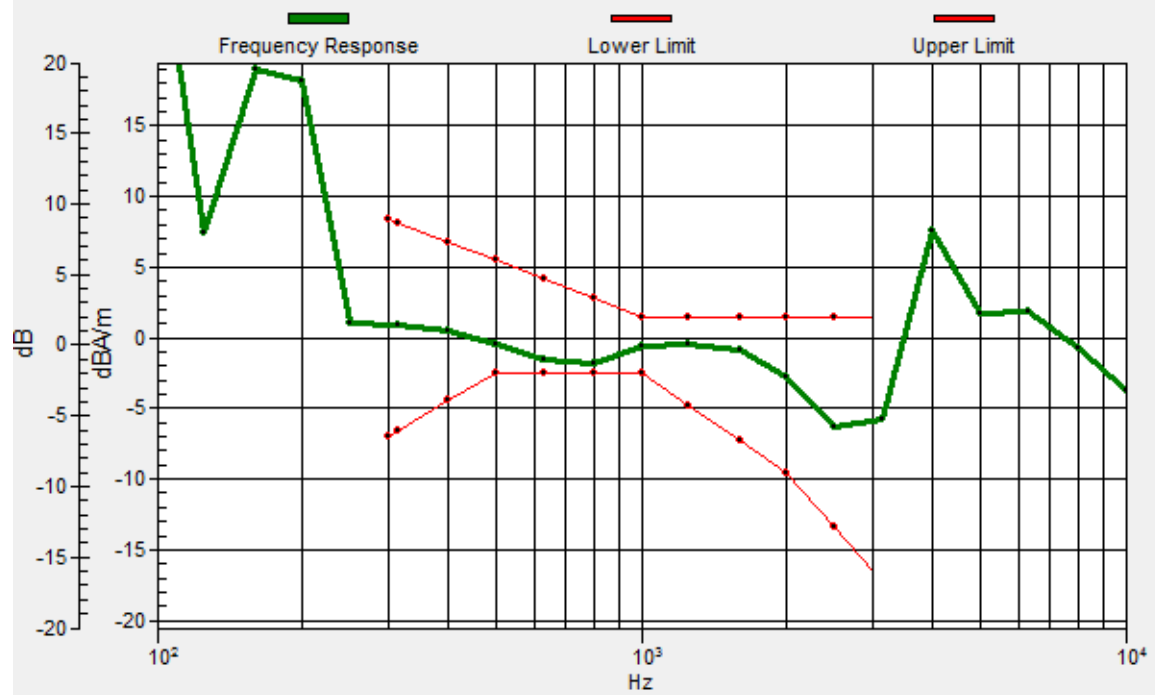
ABM1 comp = -1.33 dBA/m

Location: 4, 10, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 0.72dB



**#32\_HAC\_T-Coil\_WLAN2.4GHz\_802.11b 1Mbps\_Ch6\_Transversal (Y)**

Communication System: 802.11b; Frequency: 2437 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.81 dB

ABM1 comp = -10.18 dBA/m

Location: 1.9, 17, 3.7 mm



**#33\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch157\_Axial (Z)**

Communication System: 802.11a ; Frequency: 5785 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.21 dB

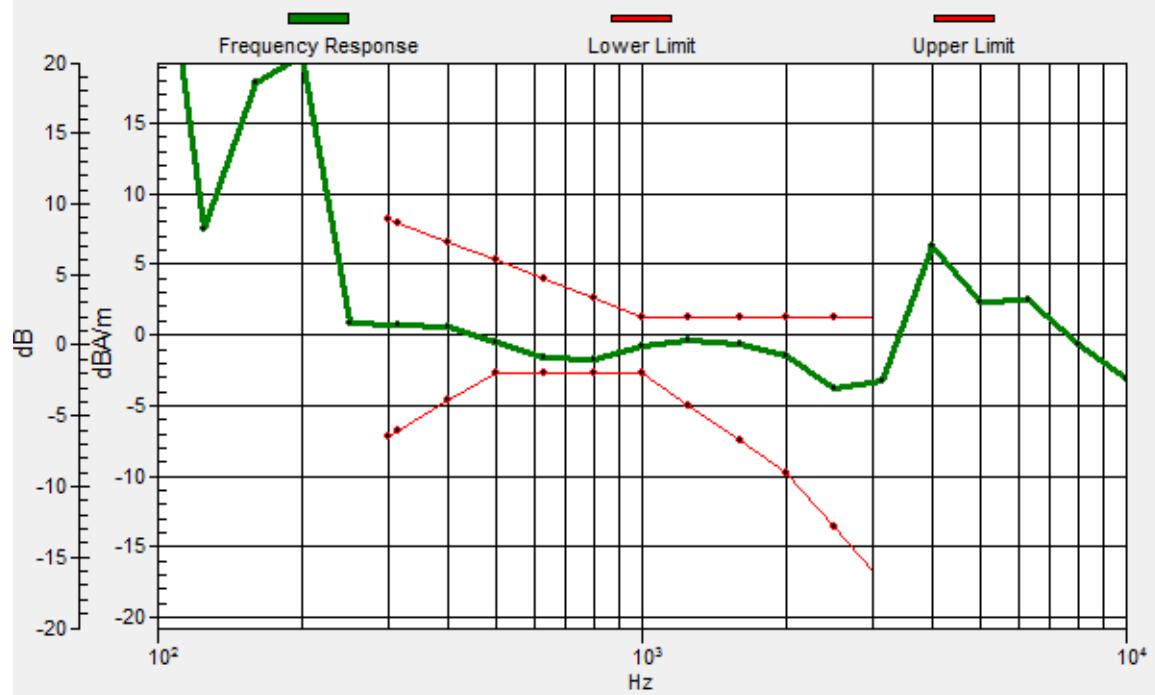
ABM1 comp = -1.62 dBA/m

Location: 4, 10, 3.7 mm



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

Loc: 4, 10, 3.7 mm Diff: 1.04dB



**#33\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch157\_Transversal (Y)**

Communication System: 802.11a ; Frequency: 5785 MHz

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: AM1DV3 - 3130; ; Calibrated: 2018/11/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1326; Calibrated: 2018/9/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (1);SEMCAD X Version 14.6.11 (7439)

**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 32.59 dB

ABM1 comp = -9.75 dBA/m

Location: 2.6, 17, 3.7 mm

