

### #01\_HAC\_T-Coil\_WCDMA II\_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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE3 Sn577; Calibrated: 2022/9/21

- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;

- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**General Scans/z (axial) 4.2mm 50 x 50 2/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 45.29 dB

ABM1 comp = 0.46 dBA/m

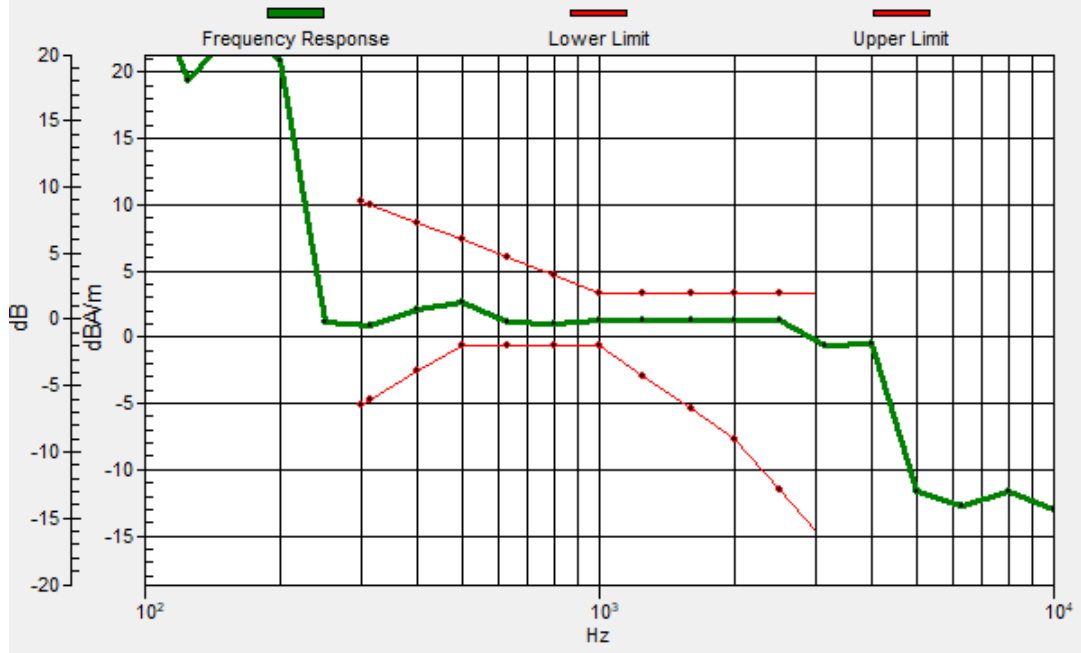
BWC Factor = 0.14 dB

Location: -2.3, -4, 3.7 mm



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

Loc: -1.6, -4.3, 3.7 mm Diff: 1.66dB



### #01\_HAC\_T-Coil\_WCDMA II\_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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**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 = 45.66 dB

ABM1 comp = -5.12 dBA/m

BWC Factor = 0.14 dB

Location: 1.9, 3.7, 3.7 mm



0 dB = 192.0 = 45.66 dB

## #02\_HAC\_T-Coil\_WCDMA IV\_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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**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 = 46.07 dB

ABM1 comp = 0.69 dBA/m

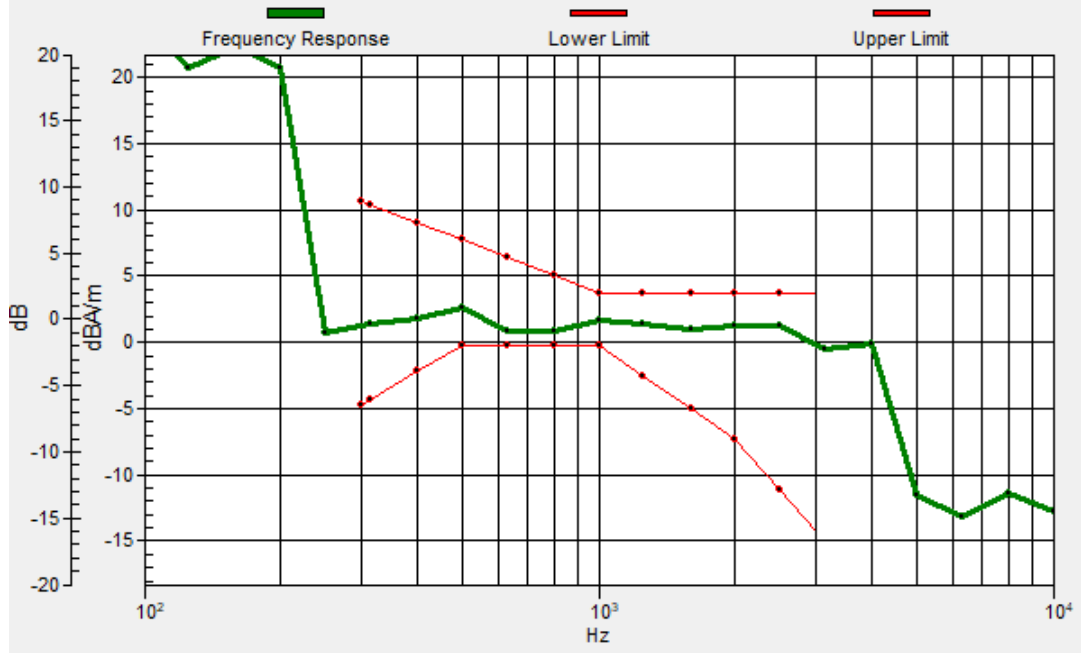
BWC Factor = 0.14 dB

Location: -1.6, -4, 3.7 mm



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

Loc: -1.6, -4.3, 3.7 mm Diff: 1.06dB



## #02\_HAC\_T-Coil\_WCDMA IV\_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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

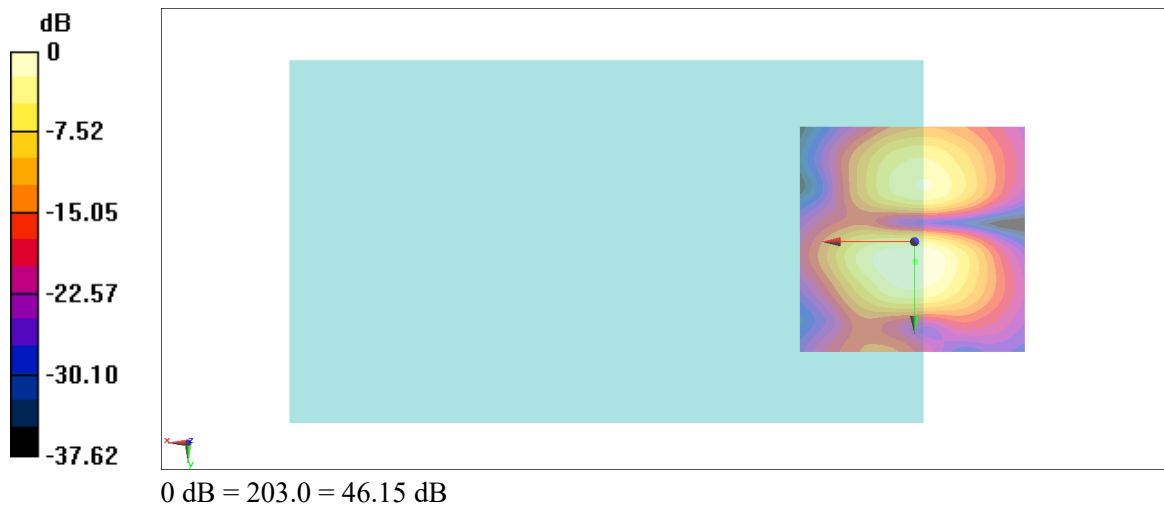
grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 46.15 dB

ABM1 comp = -5.48 dBA/m

BWC Factor = 0.14 dB

Location: -0.2, 4.4, 3.7 mm



### #03\_HAC\_T-Coil\_WCDMA V\_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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**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 = 45.91 dB

ABM1 comp = 0.46 dBA/m

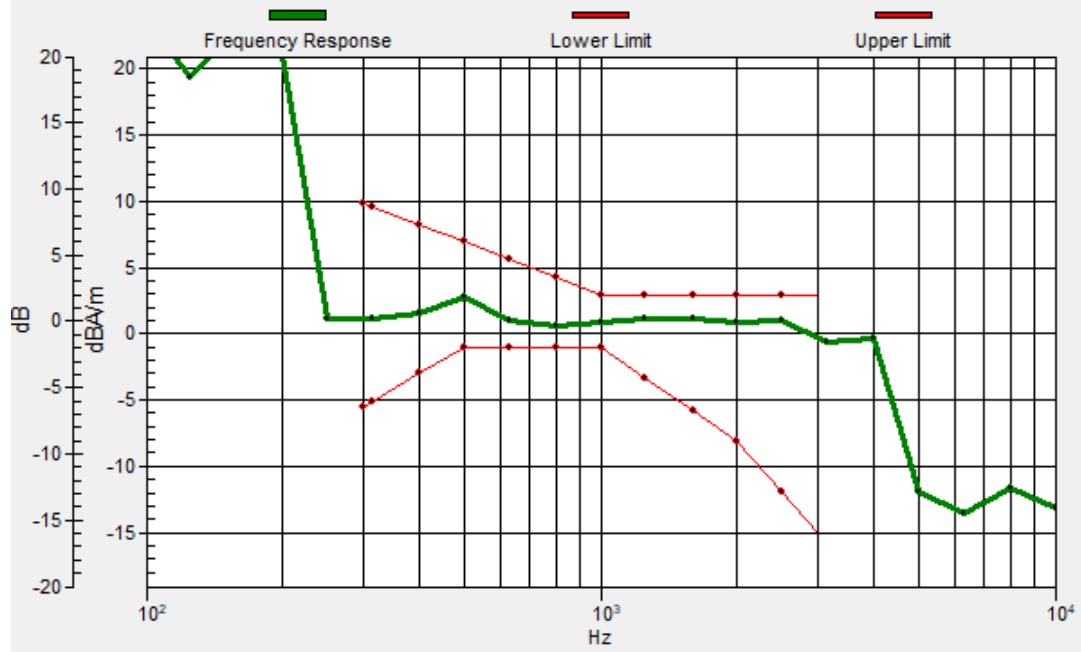
BWC Factor = 0.14 dB

Location: -2.3, -4, 3.7 mm



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

Loc: -2.2, -4.2, 3.7 mm Diff: 1.63dB





### #03\_HAC\_T-Coil\_WCDMA V\_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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

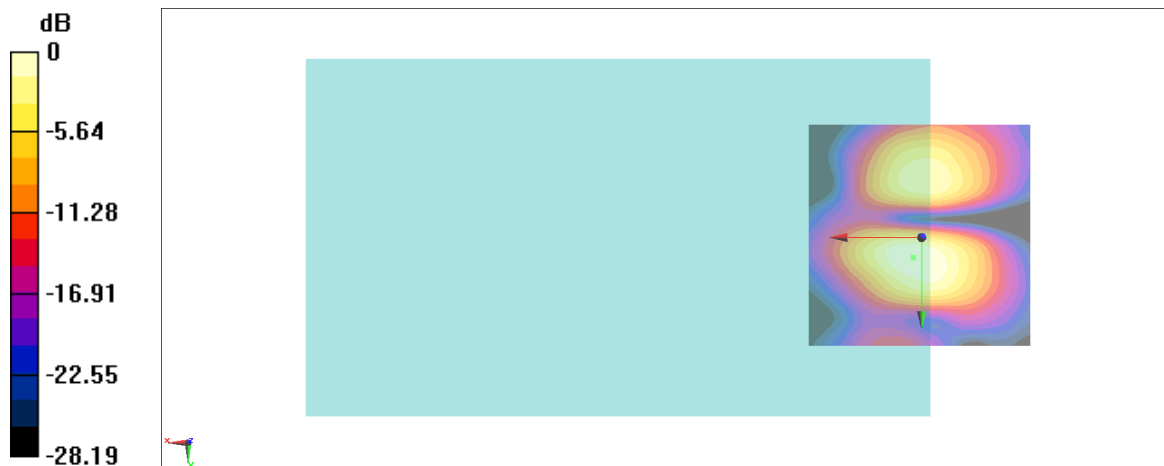
grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 45.42 dB

ABM1 comp = -5.22 dBA/m

BWC Factor = 0.14 dB

Location: 1.9, 4.4, 3.7 mm



0 dB = 186.5 = 45.41 dB

**#04\_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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**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 = 43.76 dB

ABM1 comp = -0.81 dBA/m

BWC Factor = 0.15 dB

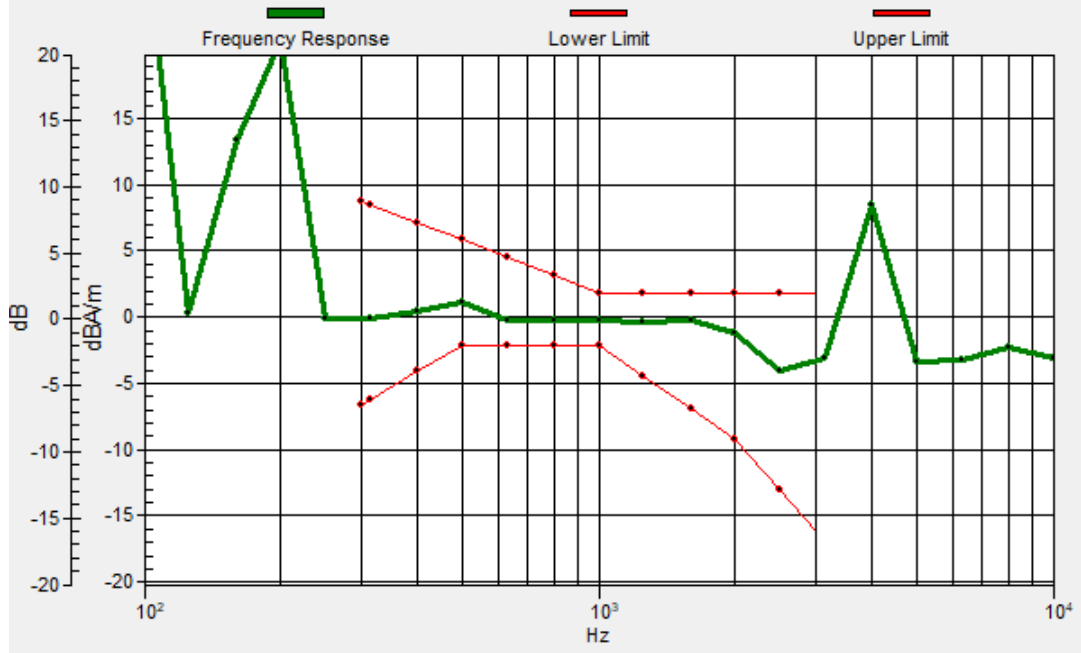
Location: -2.3, -3.3, 3.7 mm



0 dB = 154.1 = 43.76 dB

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

Loc: -2.6, -3.4, 3.7 mm Diff: 1.93dB



### #04\_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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

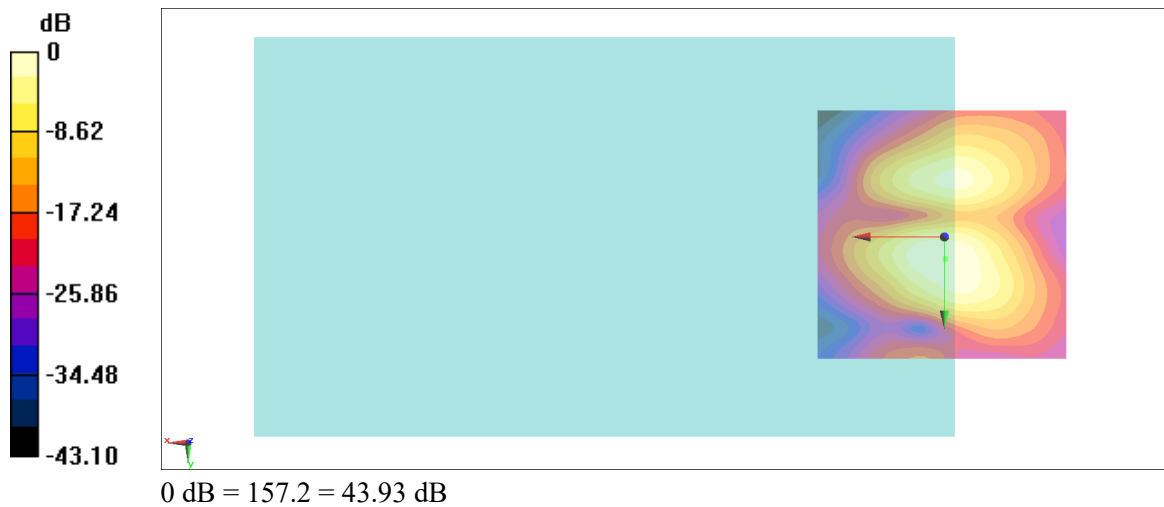
grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.93 dB

ABM1 comp = -6.54 dBA/m

BWC Factor = 0.15 dB

Location: -0.2, 4.4, 3.7 mm



**#05\_HAC\_T-Coil\_LTE Band 48\_20M\_QPSK\_1\_0\_Ch55830\_Axial (Z)**

Communication System: LTE ; Frequency: 3609 MHz

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

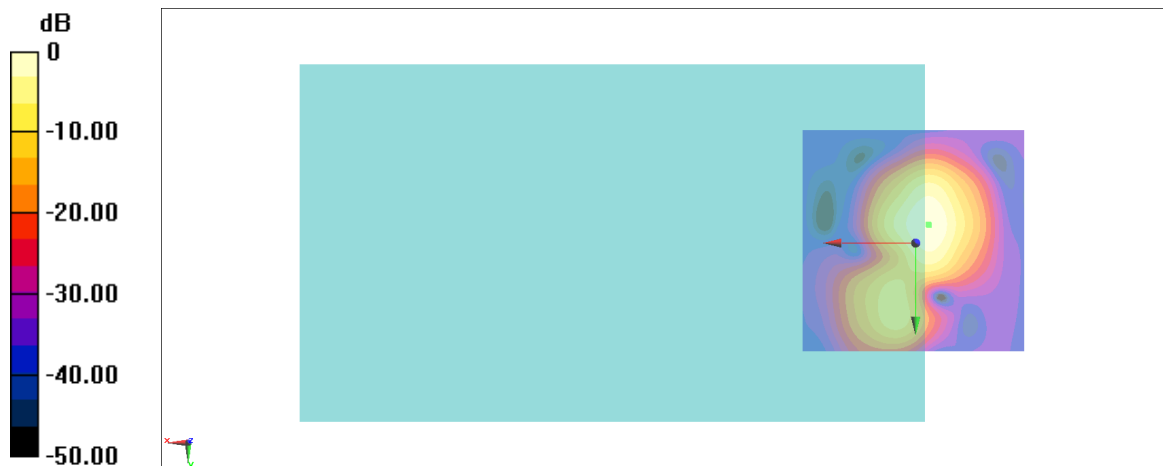
dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.62 dB

ABM1 comp = -1.18 dBA/m

BWC Factor = 0.14 dB

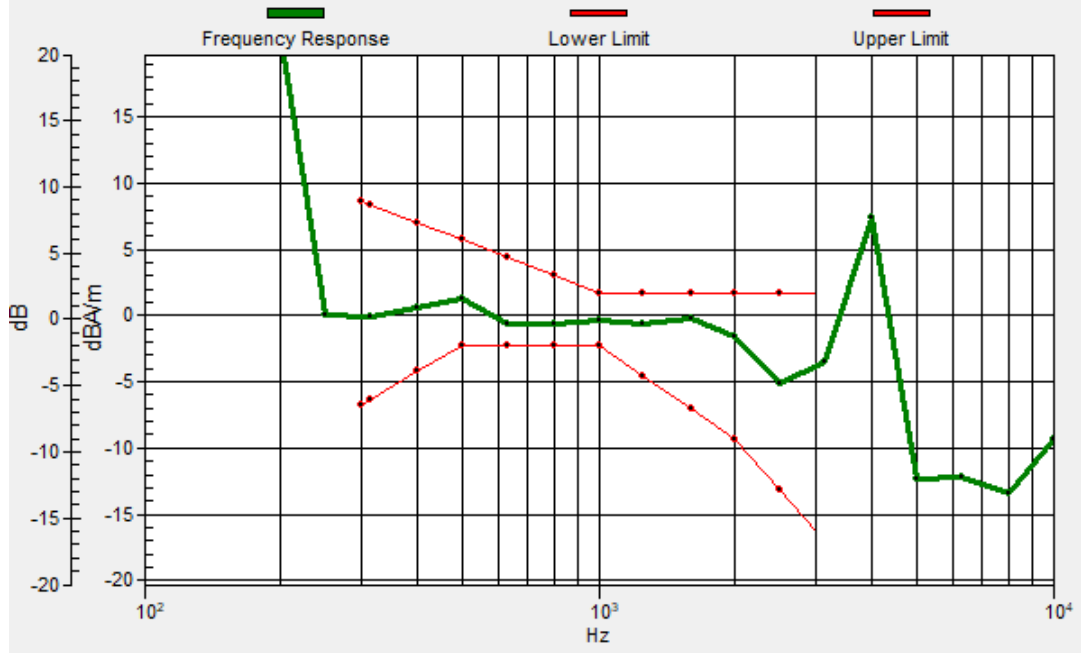
Location: -3, -4, 3.7 mm



0 dB = 107.4 = 40.62 dB

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

Loc: -2.8, -4.1, 3.7 mm Diff: 1.69dB



### #05\_HAC\_T-Coil\_LTE Band 48\_20M\_QPSK\_1\_0\_Ch55830\_Transversal (Y)

Communication System: LTE ; Frequency: 3609 MHz

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

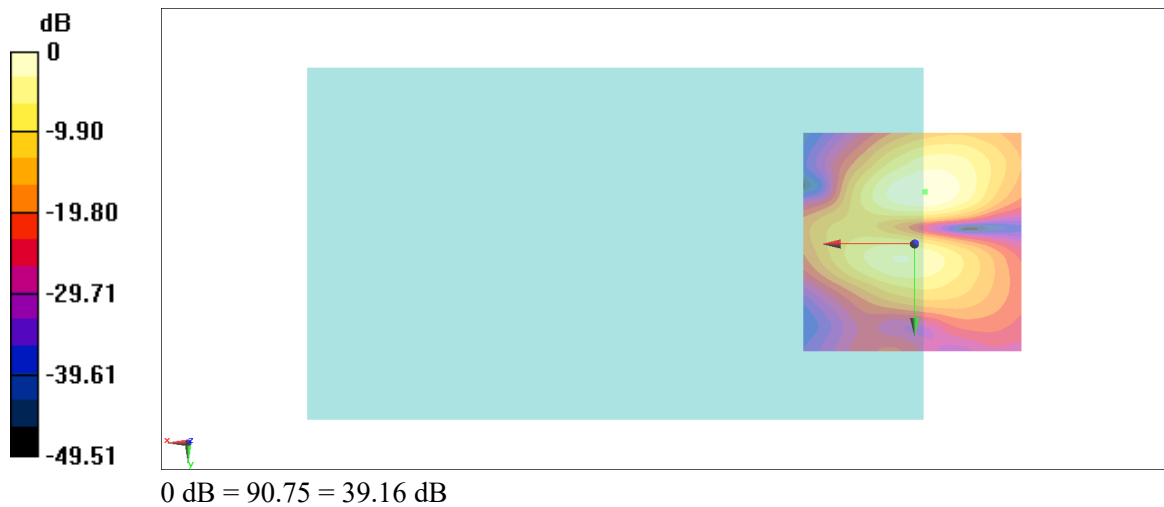
grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.16 dB

ABM1 comp = -9.79 dBA/m

BWC Factor = 0.14 dB

Location: -2.3, -11.7, 3.7 mm



**#06\_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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

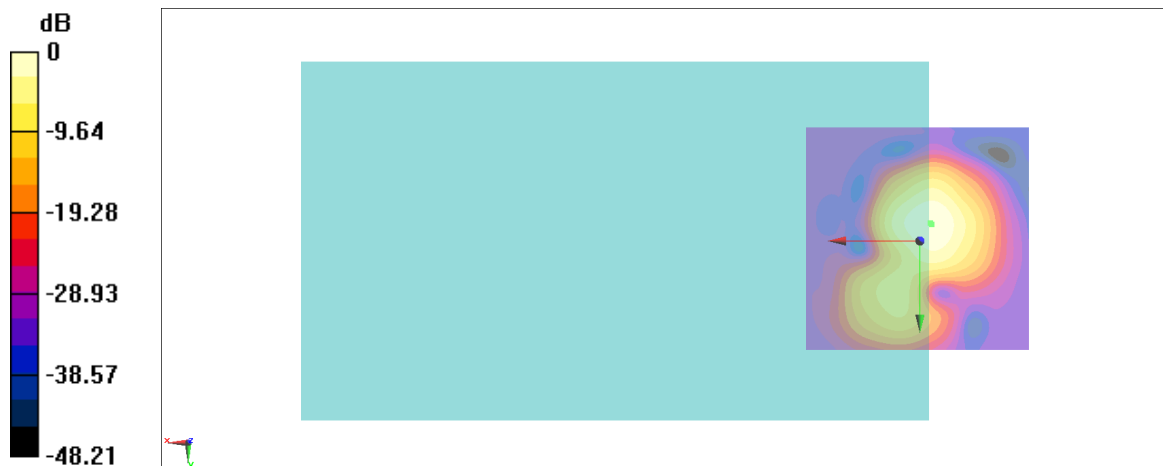
dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 44.62 dB

ABM1 comp = 0.76 dBA/m

BWC Factor = 0.14 dB

Location: -2.3, -4, 3.7 mm

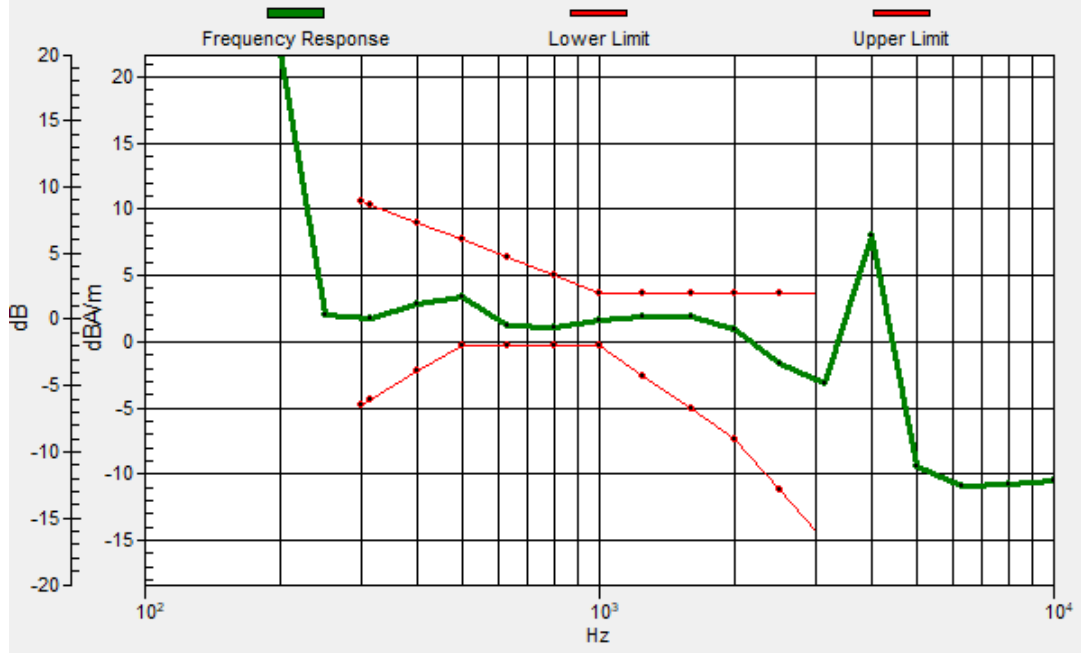


0 dB = 170.2 = 44.62 dB



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

Loc: -2.6, -3.7, 3.7 mm Diff: 1.34dB



### #06\_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 : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

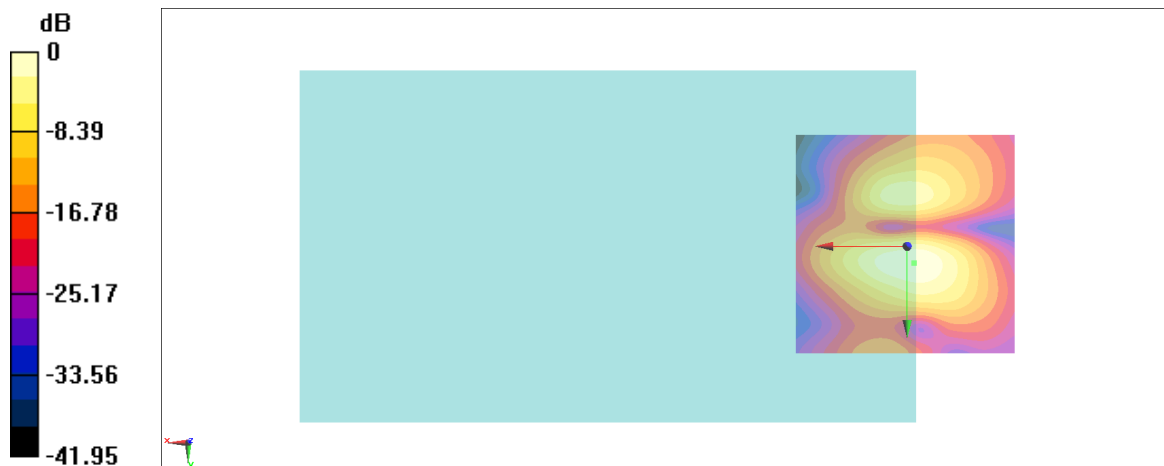
grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 45.76 dB

ABM1 comp = -3.63 dBA/m

BWC Factor = 0.14 dB

Location: -1.6, 3.7, 3.7 mm



0 dB = 194.2 = 45.76 dB

### #07\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch116\_Axial (Z)

Communication System: 802.11a; Frequency: 5580 MHz

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

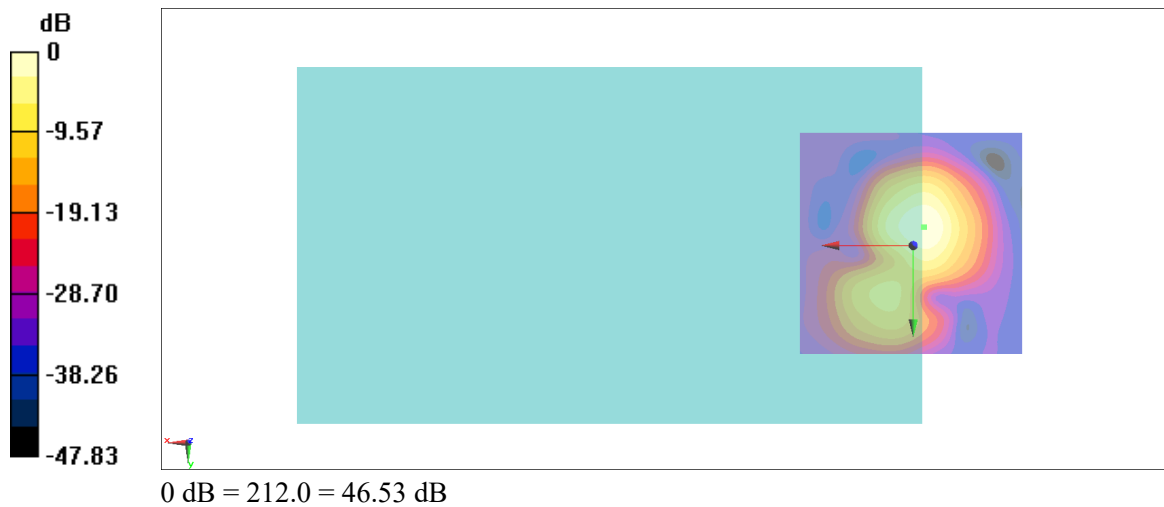
dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 46.53 dB

ABM1 comp = 0.85 dBA/m

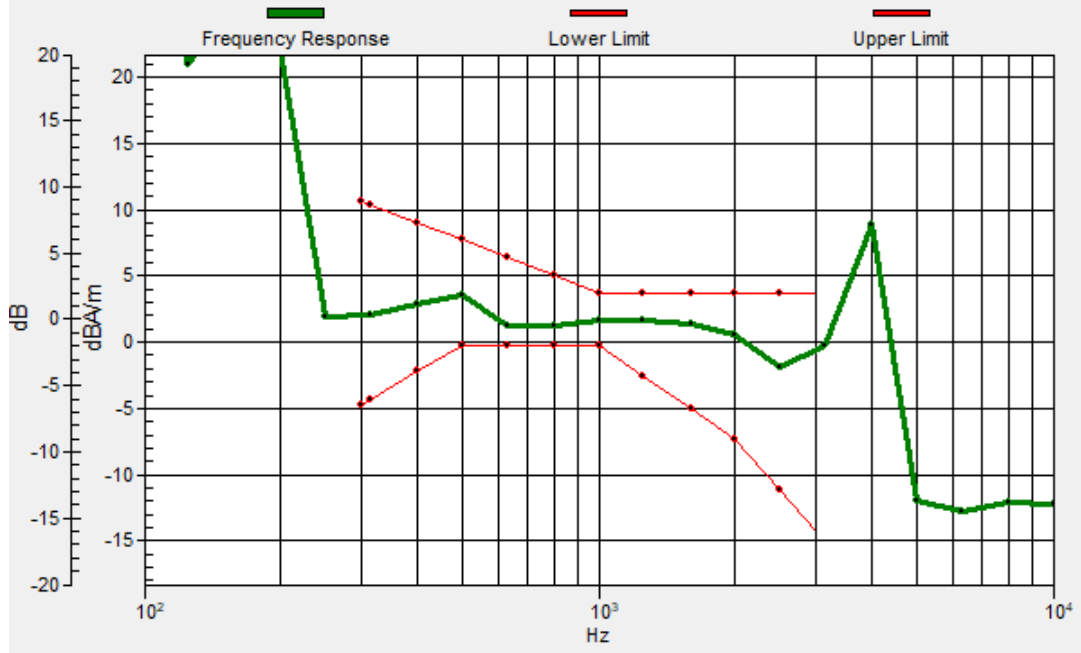
BWC Factor = 0.14 dB

Location: -2.3, -4, 3.7 mm



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

Loc: -2.4, -4.1, 3.7 mm Diff: 1.5dB



### #07\_HAC\_T-Coil\_WLAN5GHz\_802.11a 6Mbps\_Ch116\_Transversal (Y)

Communication System: 802.11a; Frequency: 5580 MHz

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

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

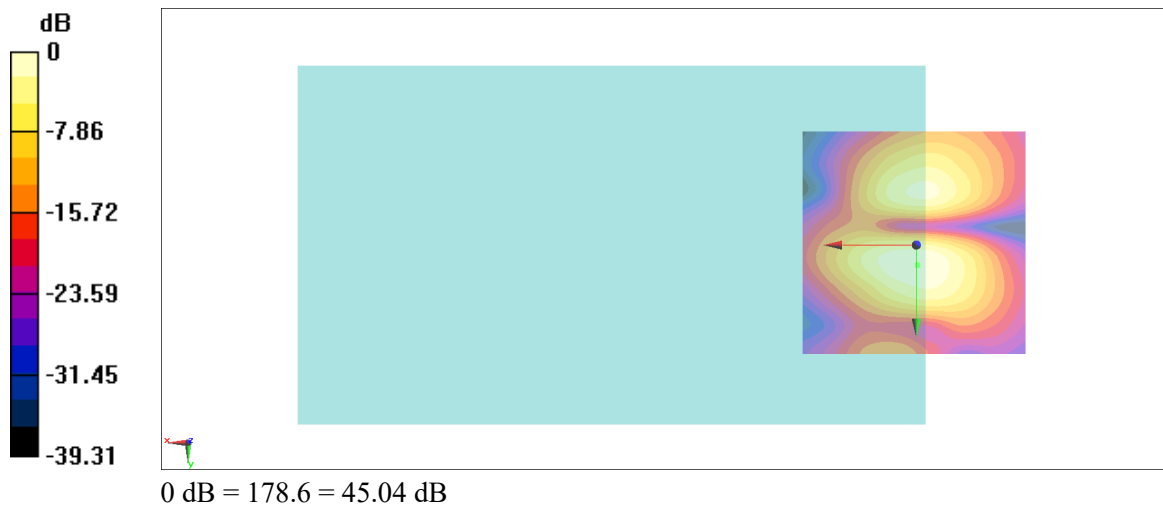
grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 45.04 dB

ABM1 comp = -5.38 dBA/m

BWC Factor = 0.14 dB

Location: -0.2, 4.4, 3.7 mm



### #08\_HAC\_T-Coil\_LTE Band 14\_10M\_QPSK\_1\_0\_Ch23330\_Axial (Z)

Communication System: LTE ; Frequency: 793 MHz

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**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 = 45.30 dB

ABM1 comp = -0.04 dBA/m

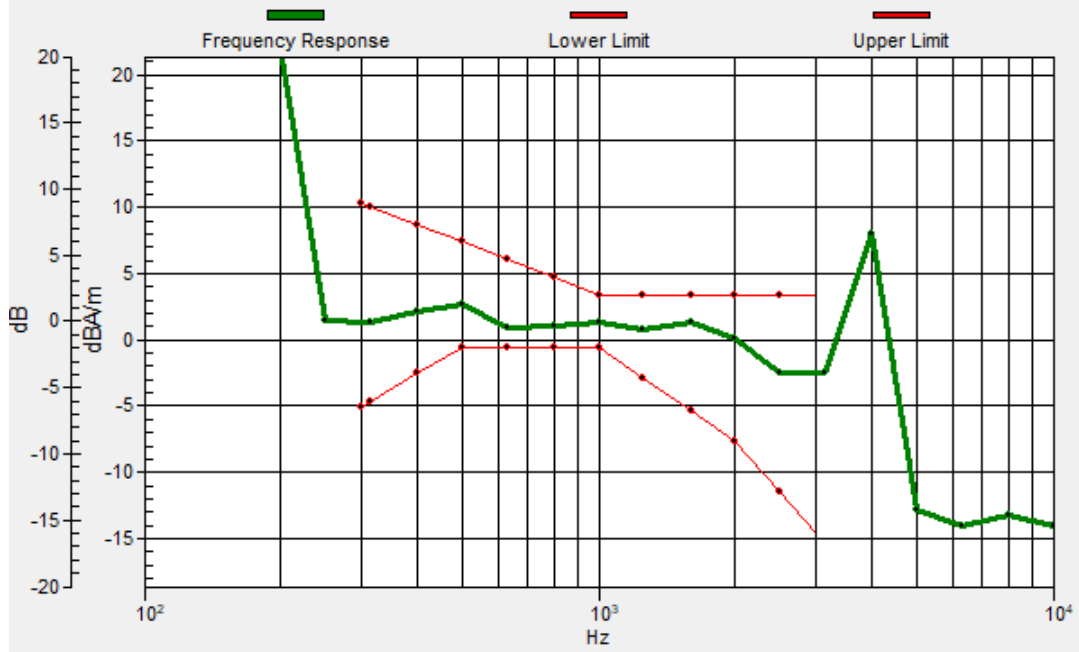
BWC Factor = 0.14 dB

Location: -0.2, -4, 3.7 mm



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

Loc: -0.1, -4.2, 3.7 mm Diff: 1.56dB



**#08\_HAC\_T-Coil\_LTE Band 14\_10M\_QPSK\_1\_0\_Ch23330\_Transversal (Y)**

Communication System: LTE ; Frequency: 793 MHz

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

Ambient Temperature : 23.5 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2022/9/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7501)

**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 = 45.80 dB

ABM1 comp = -5.32 dBA/m

BWC Factor = 0.14 dB

Location: 3.3, 3.7, 3.7 mm

