

**#01\_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: 23.5 °C

**DASY5 Configuration**

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 33.78 dB

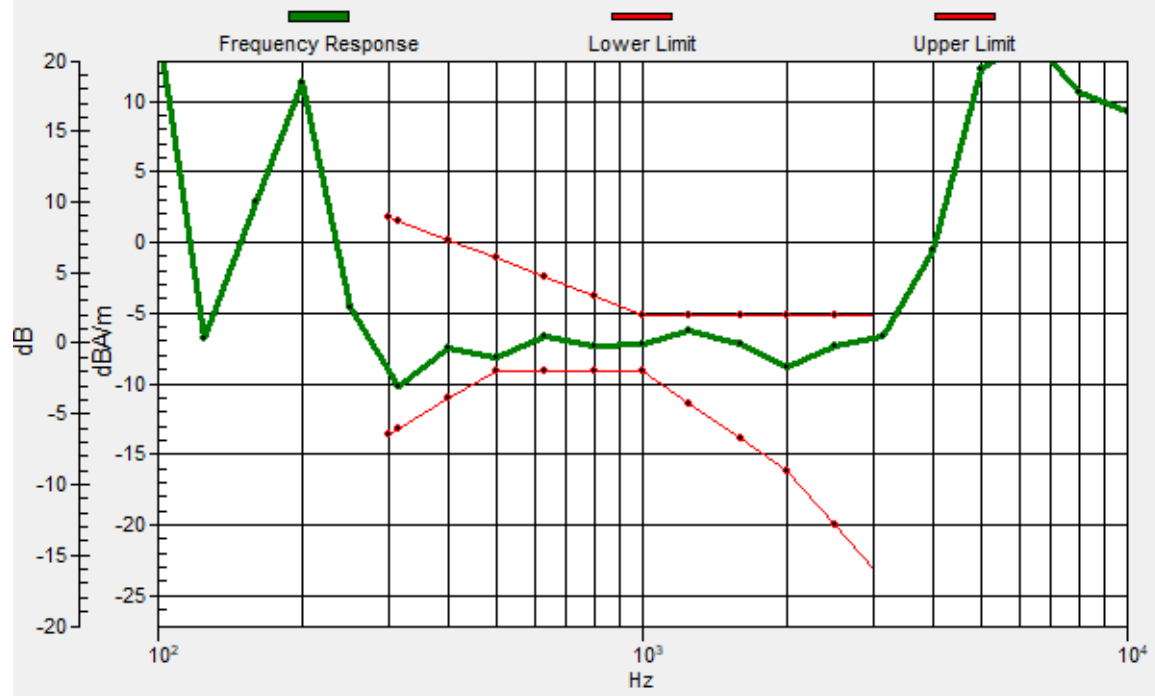
ABM1 comp = 0.93 dBA/m

Location: 7.5, -11, 3.7 mm



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

Loc: 4.2, -18.1, 3.7 mm Diff: 1.02dB



**#01\_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: 23.5 °C

**DASY5 Configuration**

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

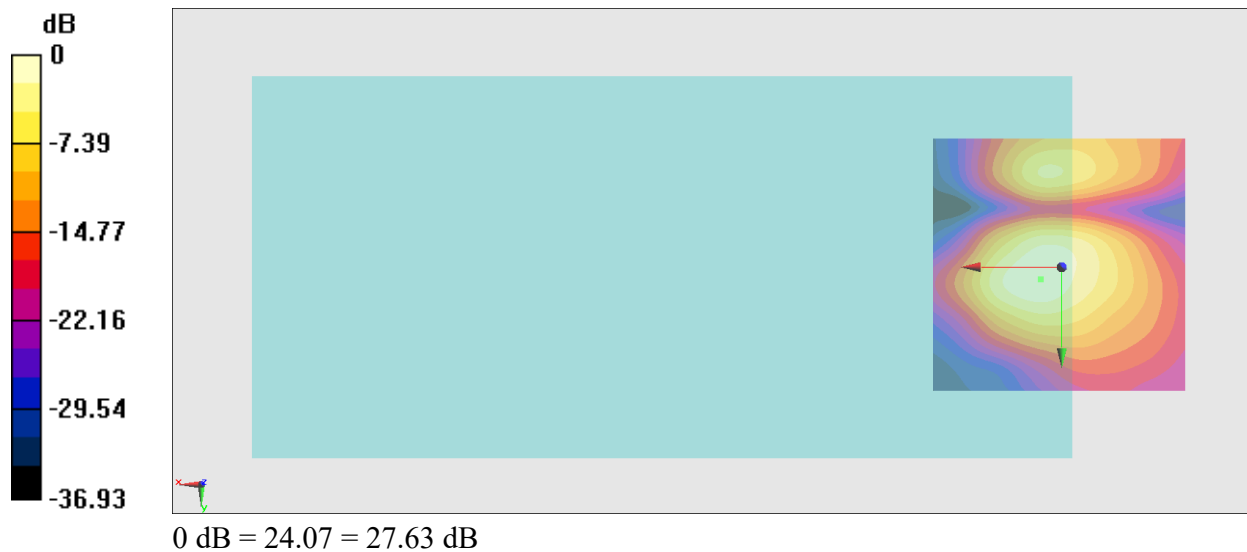
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 27.63 dB

ABM1 comp = -9.63 dBA/m

Location: 4, 2.3, 3.7 mm



**#02\_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: 23.5 °C

DASY5 Configuration

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

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 35.20 dB

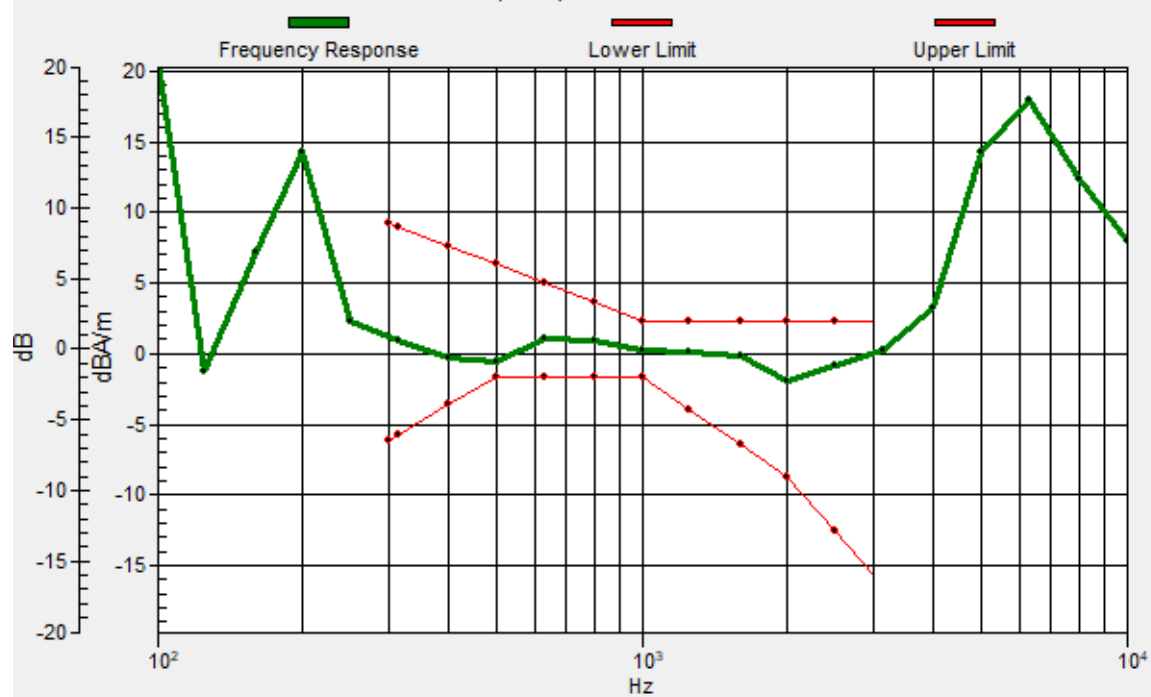
ABM1 comp = 0.51 dBA/m

Location: 4.7, -11, 3.7 mm



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

Loc: 4.7, -11.1, 3.7 mm Diff: 1.18dB



**#02\_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: 23.5 °C

**DASY5 Configuration**

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

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 27.98 dB

ABM1 comp = -10.08 dBA/m

Location: 2.6, 0.9, 3.7 mm



**#03\_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: 23.5 °C

DASY5 Configuration

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

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

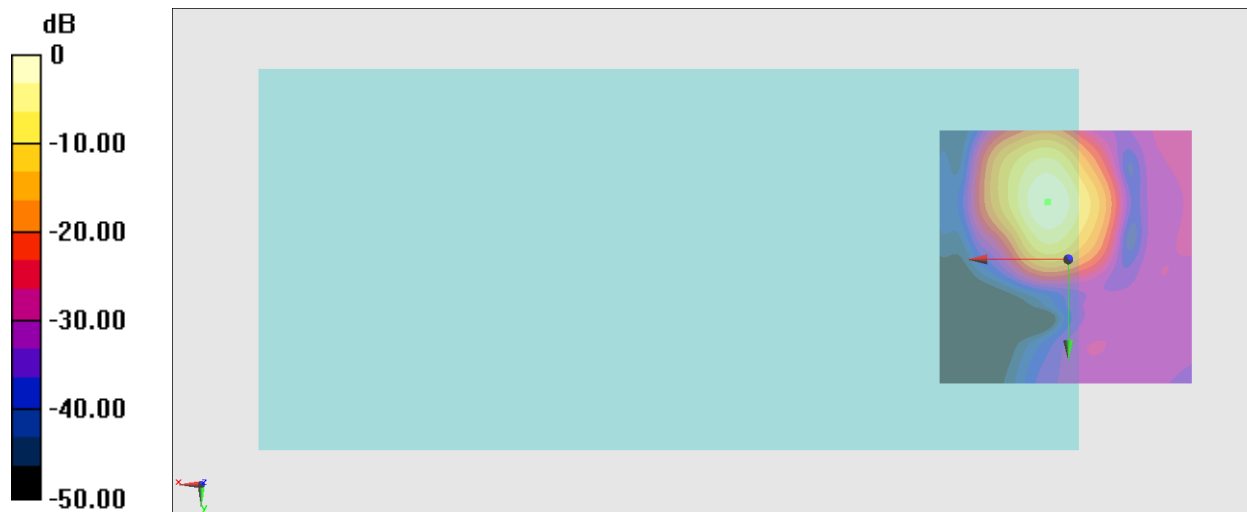
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 47.64 dB

ABM1 comp = -0.05 dBA/m

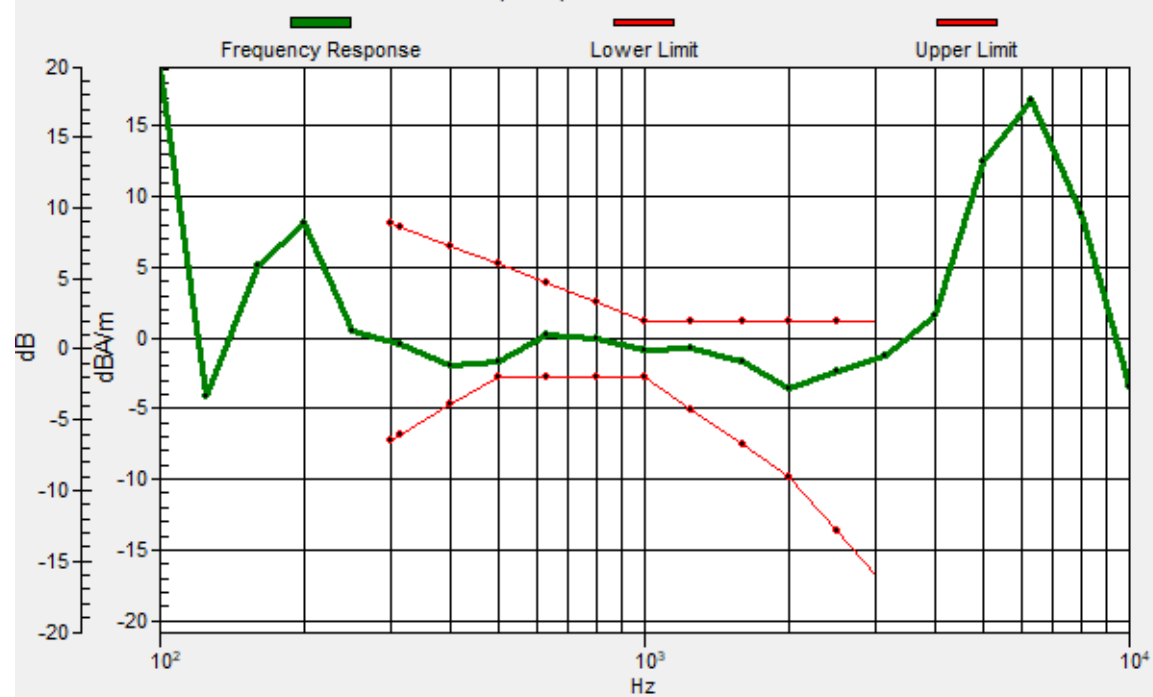
Location: 4, -11, 3.7 mm



0 dB = 241.1 = 47.64 dB

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

Loc: 3.9, -11.1, 3.7 mm Diff: 1.11dB



**#03\_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: 23.5 °C

DASY5 Configuration

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

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 37.57 dB

ABM1 comp = -8.80 dBA/m

Location: 4, -19.4, 3.7 mm



**#04\_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: 23.5 °C

DASY5 Configuration

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

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

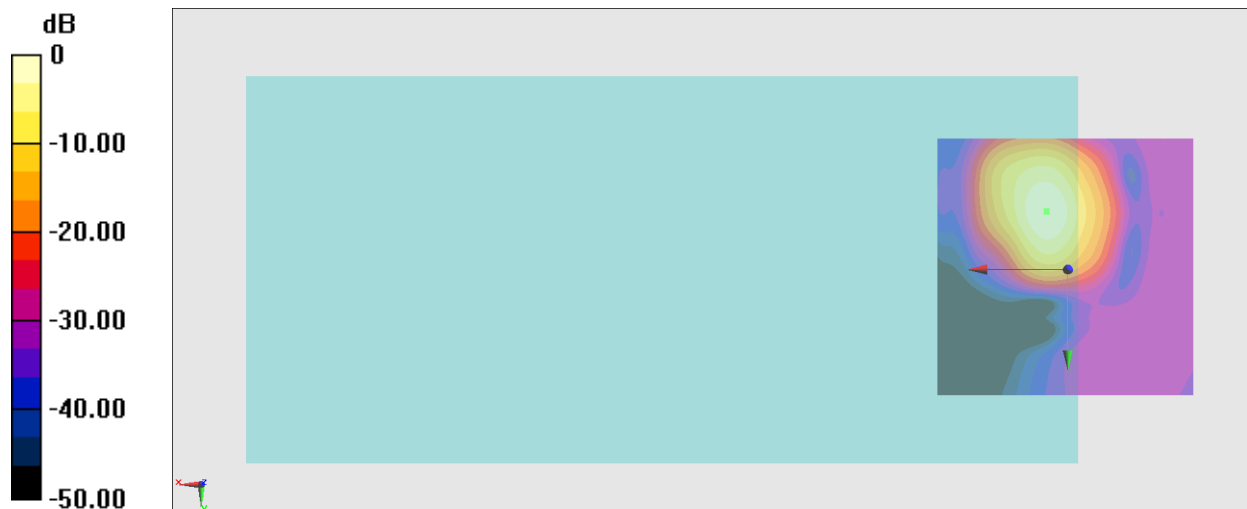
**General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.14 dB

ABM1 comp = -0.11 dBA/m

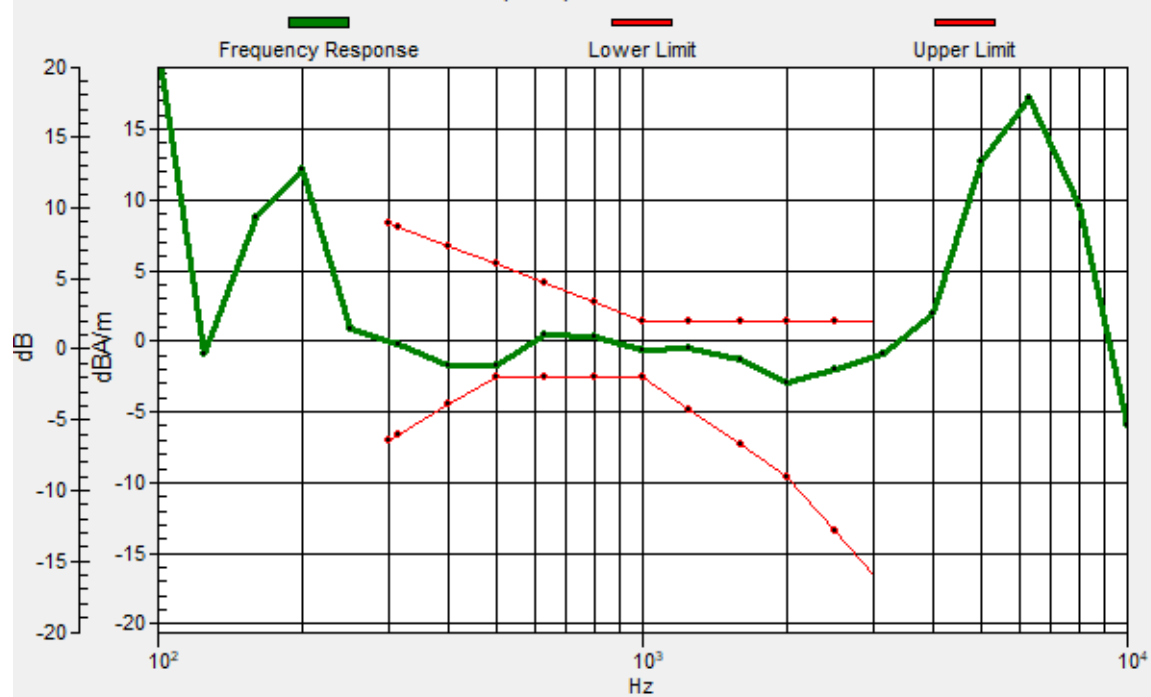
Location: 4, -11, 3.7 mm



0 dB = 255.3 = 48.14 dB

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

Loc: 4.1, -11.1, 3.7 mm Diff: 0.9dB



**#04\_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: 23.5 °C

DASY5 Configuration

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

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 38.47 dB

ABM1 comp = -8.20 dBA/m

Location: 4, -18.7, 3.7 mm



**#05\_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: 23.5 °C

DASY5 Configuration

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

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 49.22 dB

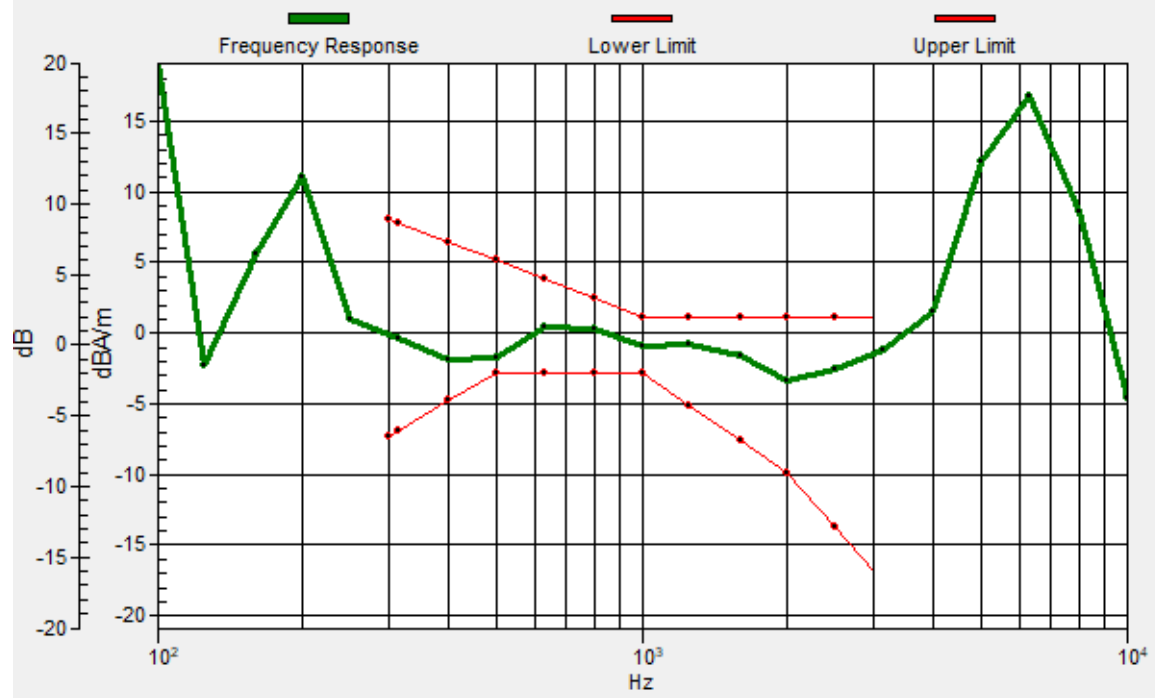
ABM1 comp = 0.61 dBA/m

Location: 4, -11, 3.7 mm



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

Loc: 4.1, -11.1, 3.7 mm Diff: 1.14dB



**#05\_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: 23.5 °C

DASY5 Configuration

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

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 39.15 dB

ABM1 comp = -7.35 dBA/m

Location: 4.7, -18.7, 3.7 mm



**#06\_HAC\_T-Coil\_LTE Band 30\_10M\_16QAM\_1\_0\_Ch27710\_Axial (Z)**

Communication System: LTE; Frequency: 2310 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: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 48.49 dB

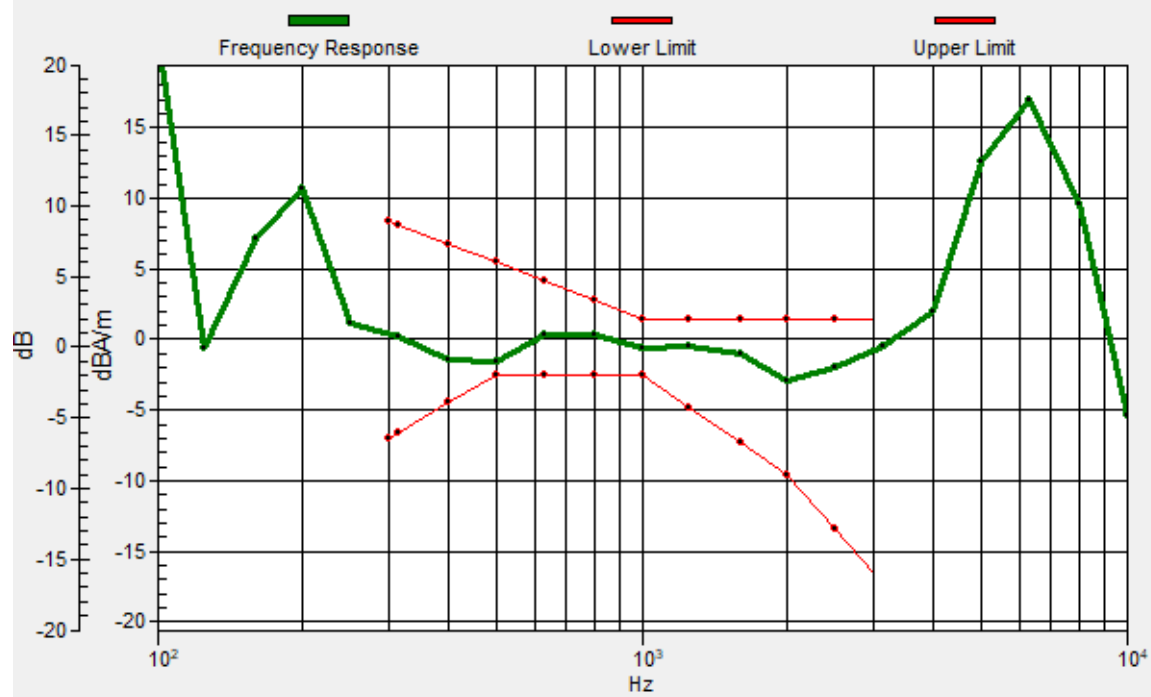
ABM1 comp = 1.01 dBA/m

Location: 4, -11.7, 3.7 mm



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

Loc: 4, -11.3, 3.7 mm Diff: 1.03dB



**#06\_HAC\_T-Coil\_LTE Band 30\_10M\_16QAM\_1\_0\_Ch27710\_Transversal (Y)**

Communication System: LTE; Frequency: 2310 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: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 38.66 dB

ABM1 comp = -7.44 dBA/m

Location: 3.3, -18.7, 3.7 mm



**#07\_HAC\_T-Coil\_LTE Band 41 HPUE\_20M\_16QAM\_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: 23.5 °C

DASY5 Configuration

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

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 37.20 dB

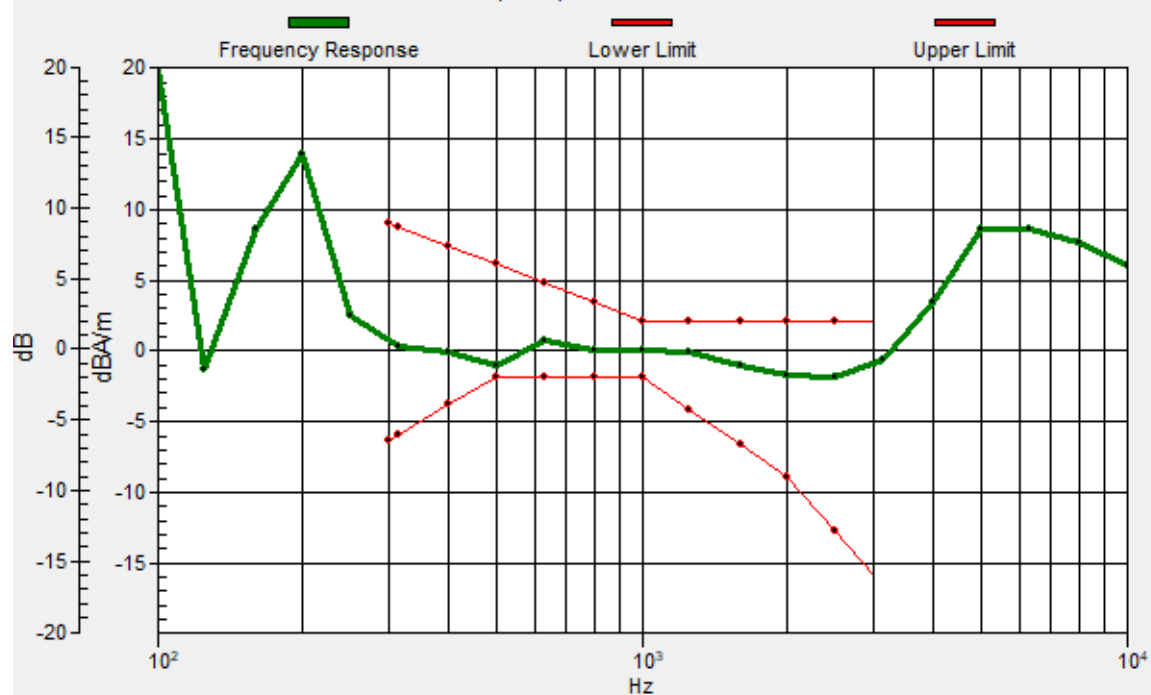
ABM1 comp = 0.94 dBA/m

Location: 4, -11, 3.7 mm



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

Loc: 3.9, -10.9, 3.7 mm Diff: 0.86dB



**#07\_HAC\_T-Coil\_LTE Band 41 HPUE\_20M\_16QAM\_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: 23.5 °C

DASY5 Configuration

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

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9

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

- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

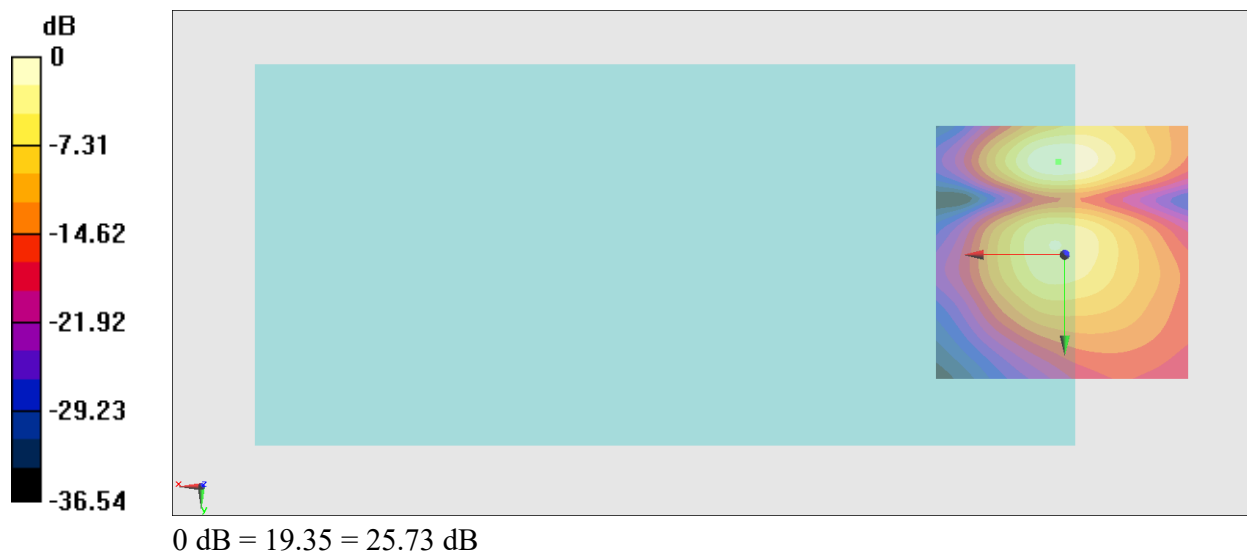
**General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):**

Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 25.74 dB

ABM1 comp = -8.96 dBA/m

Location: 1.2, -18, 3.7 mm



**#08\_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: DAE4 Sn1696; Calibrated: 2022/11/9
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 44.49 dB

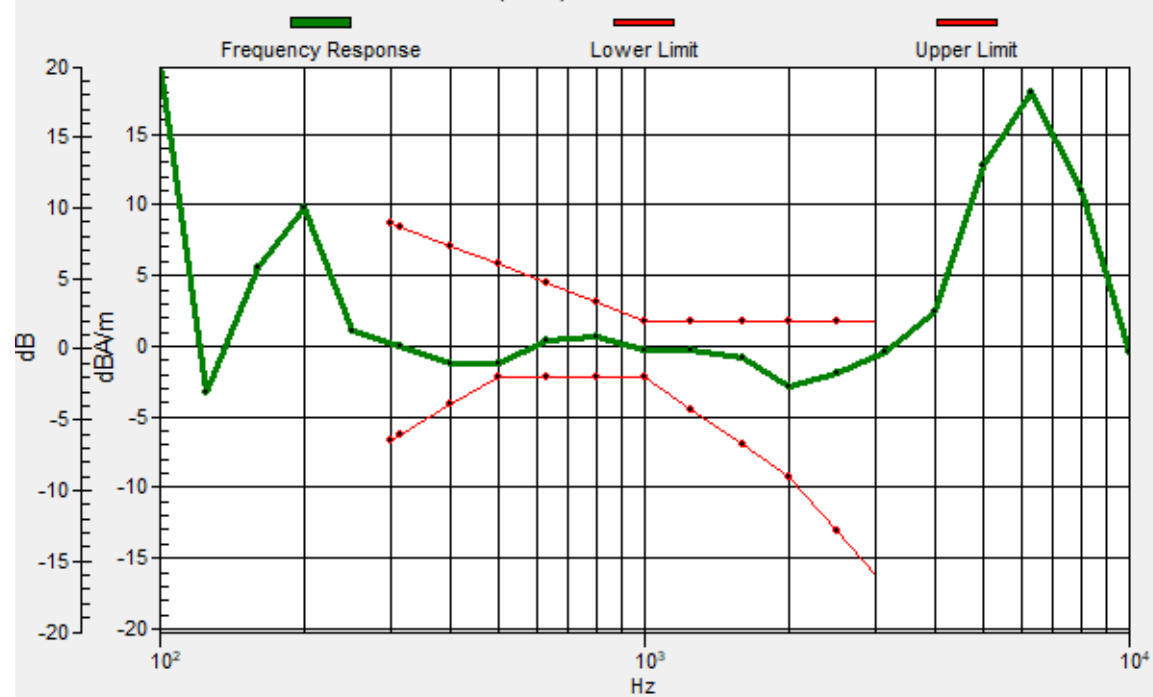
ABM1 comp = 0.82 dBA/m

Location: 4, -11.7, 3.7 mm



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

Loc: 3.8, -11.9, 3.7 mm Diff: 1.03dB



**#08\_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: DAE4 Sn1696; Calibrated: 2022/11/9
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 32.60 dB

ABM1 comp = -10.83 dBA/m

Location: 3.3, -25, 3.7 mm



**#09\_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: 23.5 °C

DASY5 Configuration

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 44.97 dB

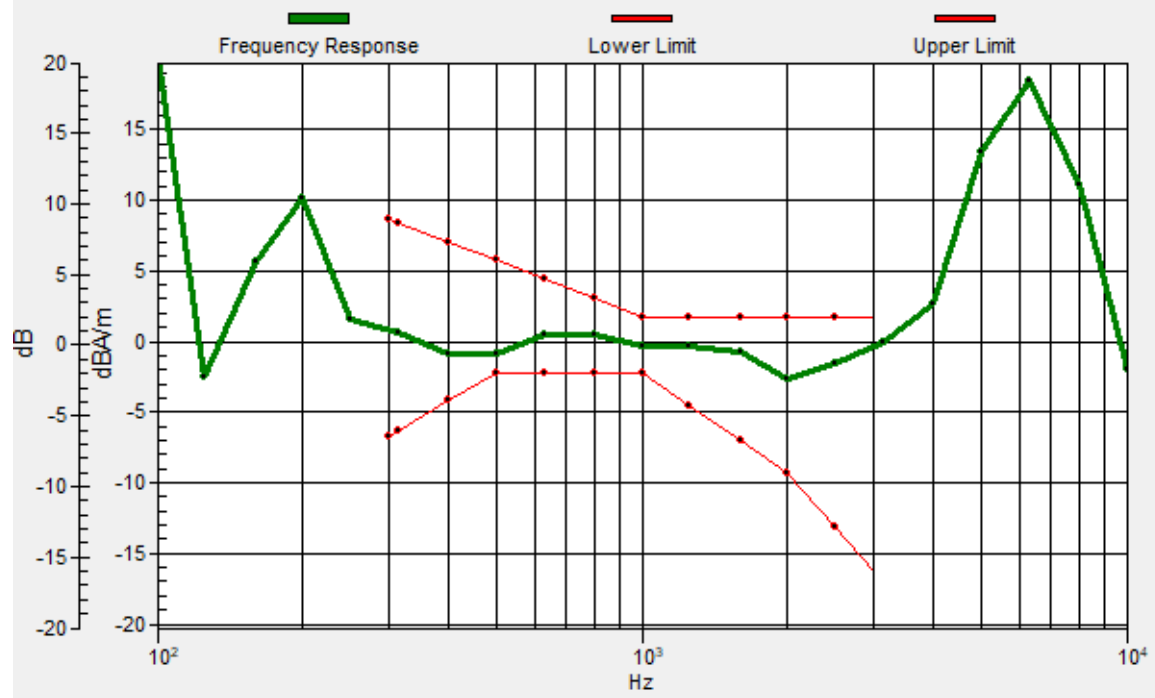
ABM1 comp = 1.27 dBA/m

Location: 4, -11, 3.7 mm



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

Loc: 4, -11.1, 3.7 mm Diff: 1.33dB



**#09\_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: 23.5 °C

**DASY5 Configuration**

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1696; Calibrated: 2022/11/9
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 37.11 dB

ABM1 comp = -7.20 dBA/m

Location: 3.3, -19.4, 3.7 mm

