

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

Communication System: EGSM; Frequency: 897.4 MHz

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 43.59 dB

ABM1 comp = 3.78 dBA/m

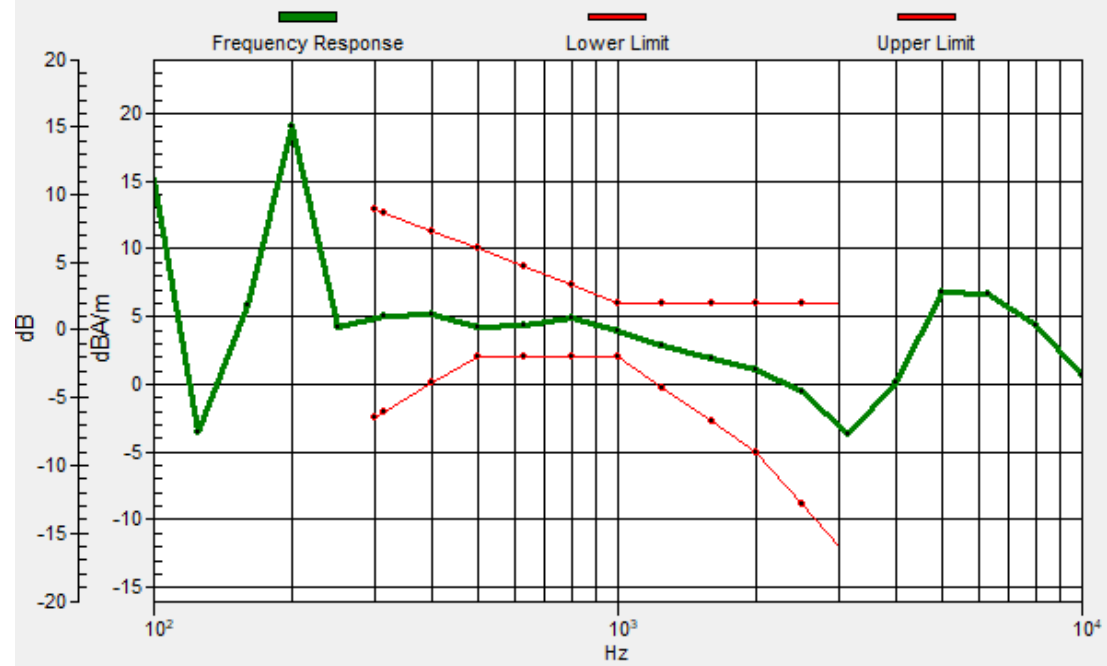
BWC Factor = 0.16 dB

Location: 4, -10.3, 3.7 mm



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

Loc: 4.2, -10, 3.7 mm Diff: 2dB



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

Communication System: EGSM; Frequency: 897.4 MHz

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 40.41 dB

ABM1 comp = -6.94 dBA/m

BWC Factor = 0.16 dB

Location: 0.5, 2.3, 3.7 mm



## #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 : 23.4 °C

### DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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:

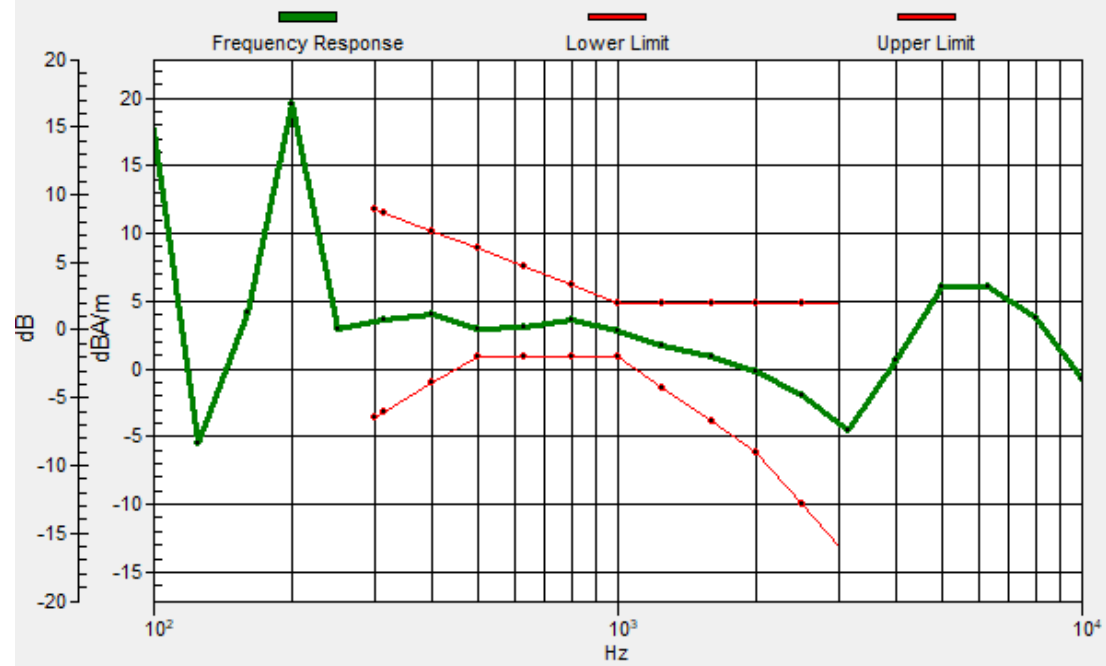
$$dx=1.000 \text{ mm}, dy=1.000 \text{ mm}$$
$$\text{ABM1/ABM2} = 45.32 \text{ dB}$$
$$\text{ABM1 comp} = 4.82 \text{ dBA/m}$$

Location: 4, -10.3, 3.7 mm



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

Loc: 11.1, -9.7, 3.7 mm Diff: 2dB



**#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 : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 40.93 dB

ABM1 comp = -5.83 dBA/m

Location: 1.9, 2.3, 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 : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 47.31 dB

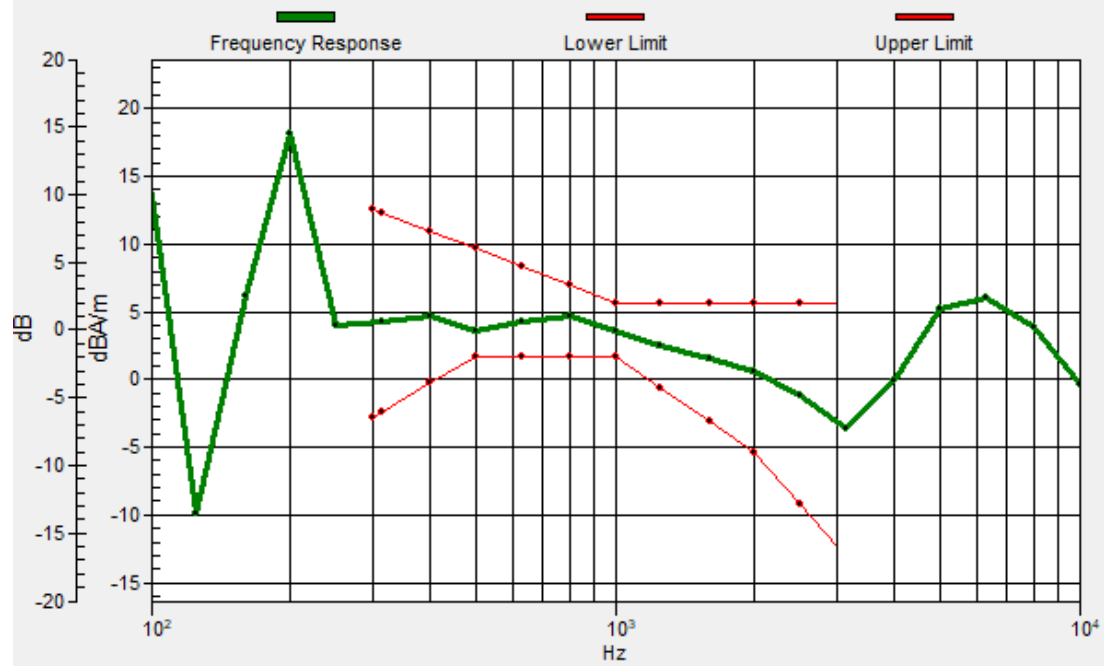
ABM1 comp = 4.36 dBA/m

Location: 4, -8.9, 3.7 mm



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

Loc: 4.3, -9, 3.7 mm Diff: 1.98dB





**#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 : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 2/ABM Interpolated SNR(x,y,z) (121x121x1):**

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

ABM1/ABM2 = 43.08 dB

ABM1 comp = -5.44 dBA/m

Location: 2.6, 2.3, 3.7 mm



**#04\_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 : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 46.33 dB

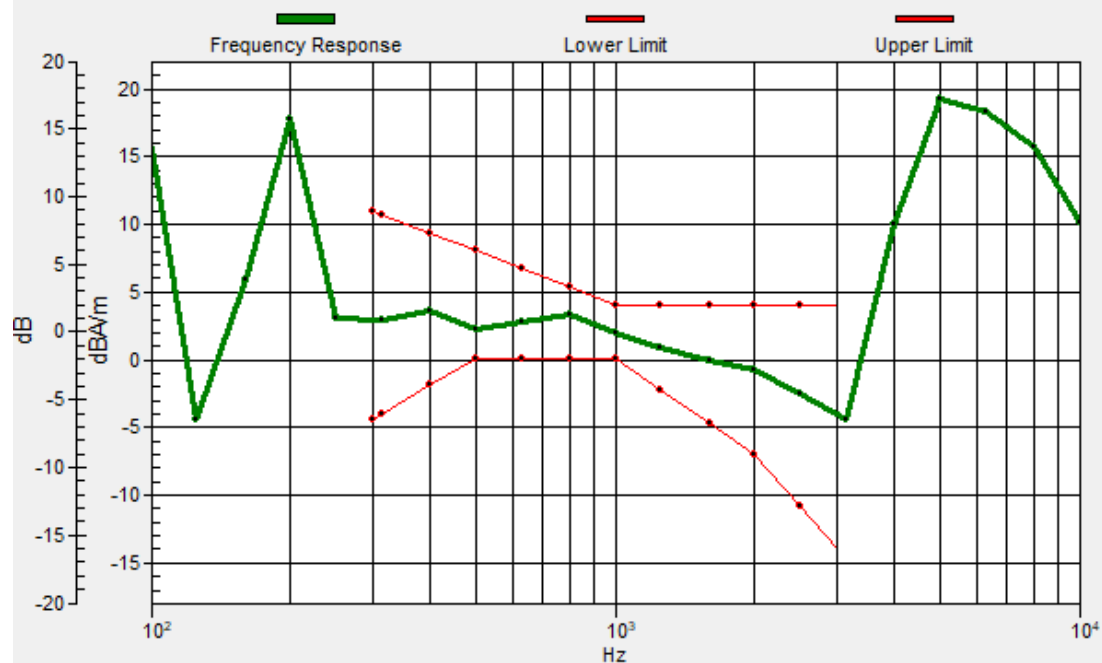
ABM1 comp = 2.70 dBA/m

Location: 4, -8.9, 3.7 mm



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

Loc: 4.1, -8.9, 3.7 mm Diff: 2dB



**#04\_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 : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 42.06 dB

ABM1 comp = -5.17 dBA/m

Location: 3.3, 0.9, 3.7 mm



**#05\_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 : 23.4 °C

DASY5 Configuration:

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

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21

- 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 = 45.92 dB

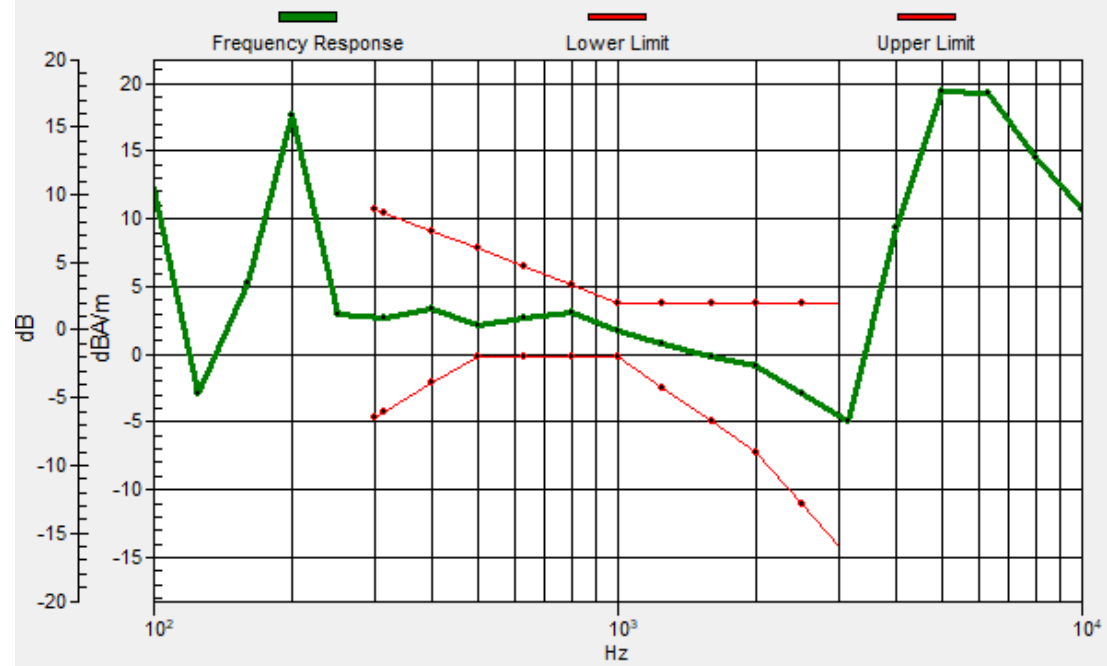
ABM1 comp = 2.64 dBA/m

Location: 4, -9.6, 3.7 mm



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

Loc: 3.9, -9.7, 3.7 mm Diff: 2dB



**#05\_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 : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 40.35 dB

ABM1 comp = -3.47 dBA/m

Location: 3.3, -3.3, 3.7 mm



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

Communication System: LTE; Frequency: 2593 MHz

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 41.99 dB

ABM1 comp = 3.66 dBA/m

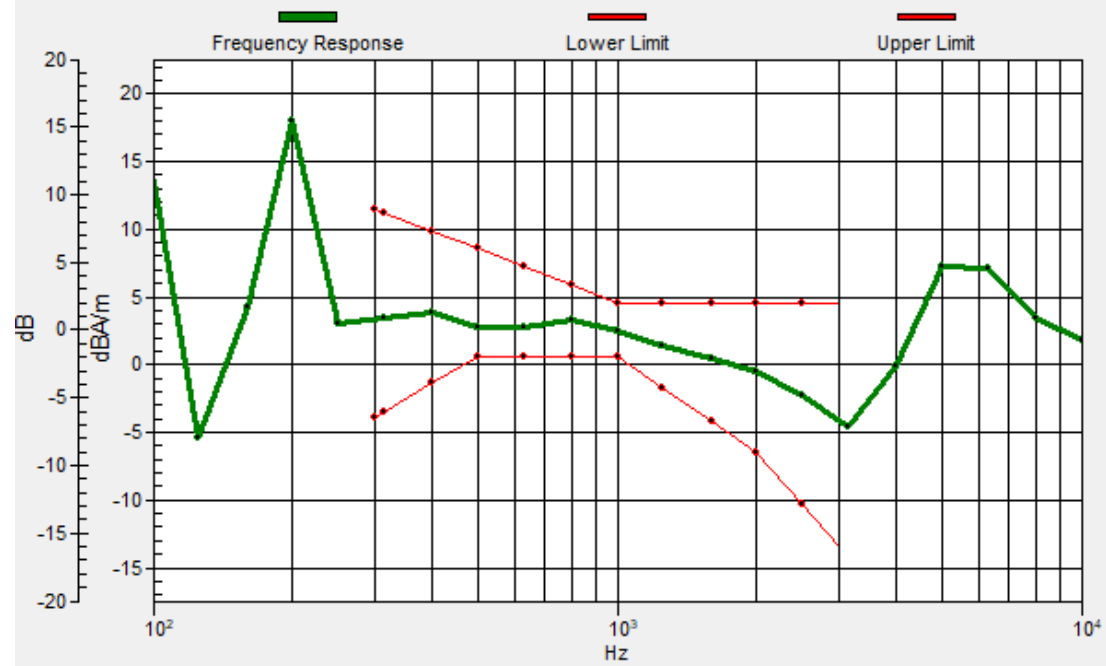
Location: 4, -10.3, 3.7 mm





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

Loc: 4, -10.1, 3.7 mm Diff: 2dB



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

Communication System: LTE; Frequency: 2593 MHz

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 38.85 dB

ABM1 comp = -4.49 dBA/m

Location: 1.2, -18.7, 3.7 mm



### #07\_HAC\_T-Coil\_WLAN 2.4GHz\_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 : 23.4 °C

### DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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:

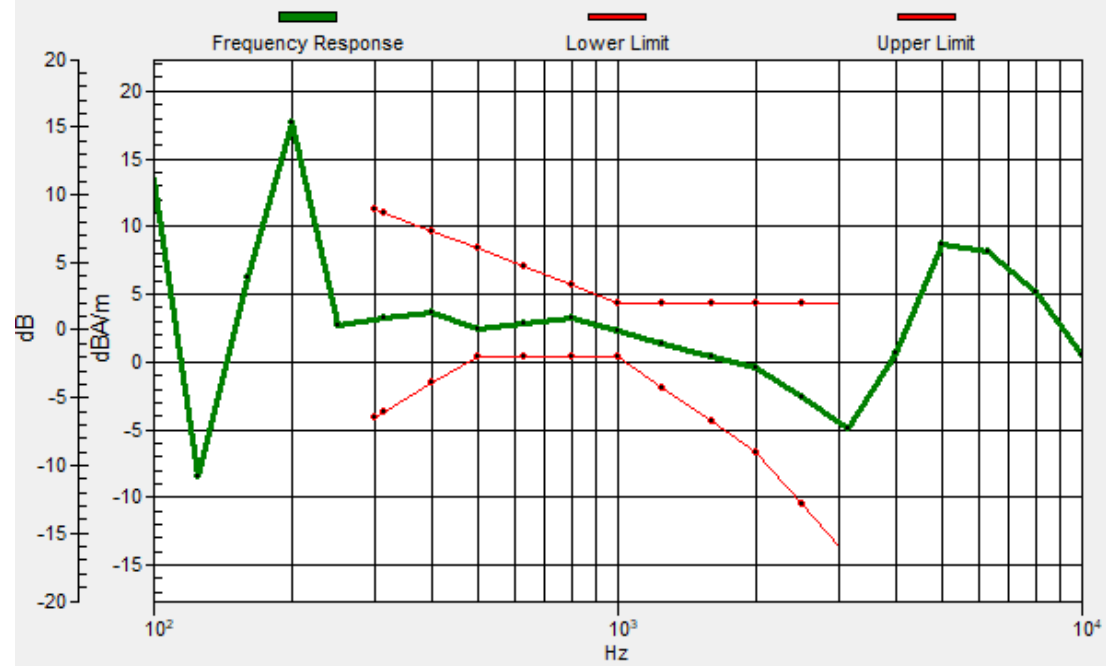
$$dx=1.000 \text{ mm}, dy=1.000 \text{ mm}$$
$$\text{ABM1/ABM2} = 45.26 \text{ dB}$$
$$\text{ABM1 comp} = 3.37 \text{ dBA/m}$$

Location: 4, -9.6, 3.7 mm



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

Loc: 3.8, -9.9, 3.7 mm Diff: 2dB



**#07\_HAC\_T-Coil\_WLAN 2.4GHz\_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 : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 39.25 dB

ABM1 comp = -4.88 dBA/m

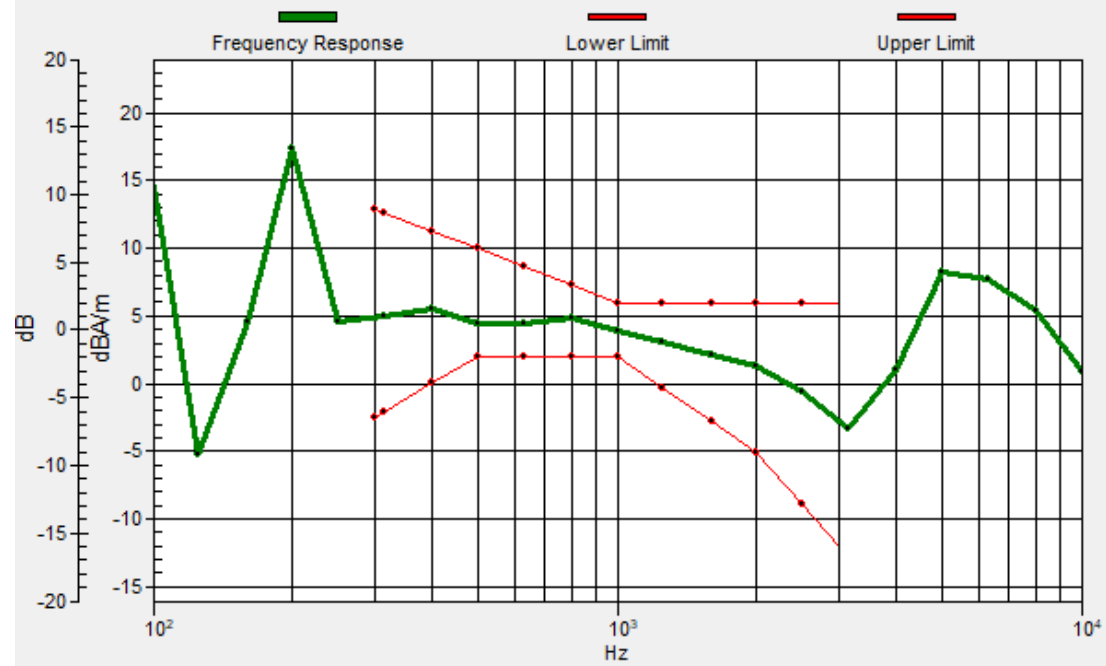
Location: 1.2, -18, 3.7 mm





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

Loc: 4, -10.2, 3.7 mm Diff: 2dB



**#08\_HAC\_T-Coil\_WLAN 5GHz\_802.11ac-VHT40\_Ch110\_Transversal (Y)**

Communication System: 802.11ac ; Frequency: 5550 MHz

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 41.21 dB

ABM1 comp = -4.04 dBA/m

Location: 1.9, -18, 3.7 mm





**#09\_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 : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 47.14 dB

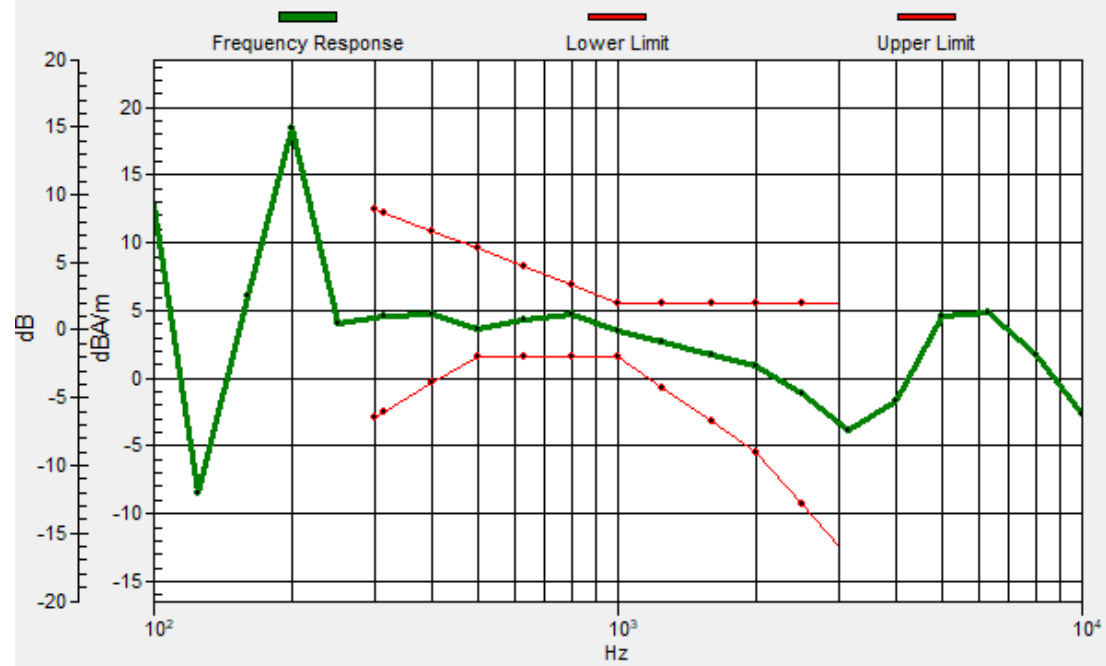
ABM1 comp = 4.69 dBA/m

Location: 4, -9.6, 3.7 mm



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

Loc: 4.3, -9.5, 3.7 mm Diff: 2dB



**#09\_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 : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3130; ; Calibrated: 2022/8/26
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1399; Calibrated: 2023/2/21
- 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 = 42.34 dB

ABM1 comp = -5.26 dBA/m

Location: 2.6, 1.6, 3.7 mm

