

## 01\_HAC T-Coil\_GSM850\_Voice\_Ch189\_Z

Communication System: UID 0, Generic GSM (0); Frequency: 836.4 MHz; Duty Cycle: 1:8.3  
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C

### DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1331; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

### Ch189/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 = 35.71 dB

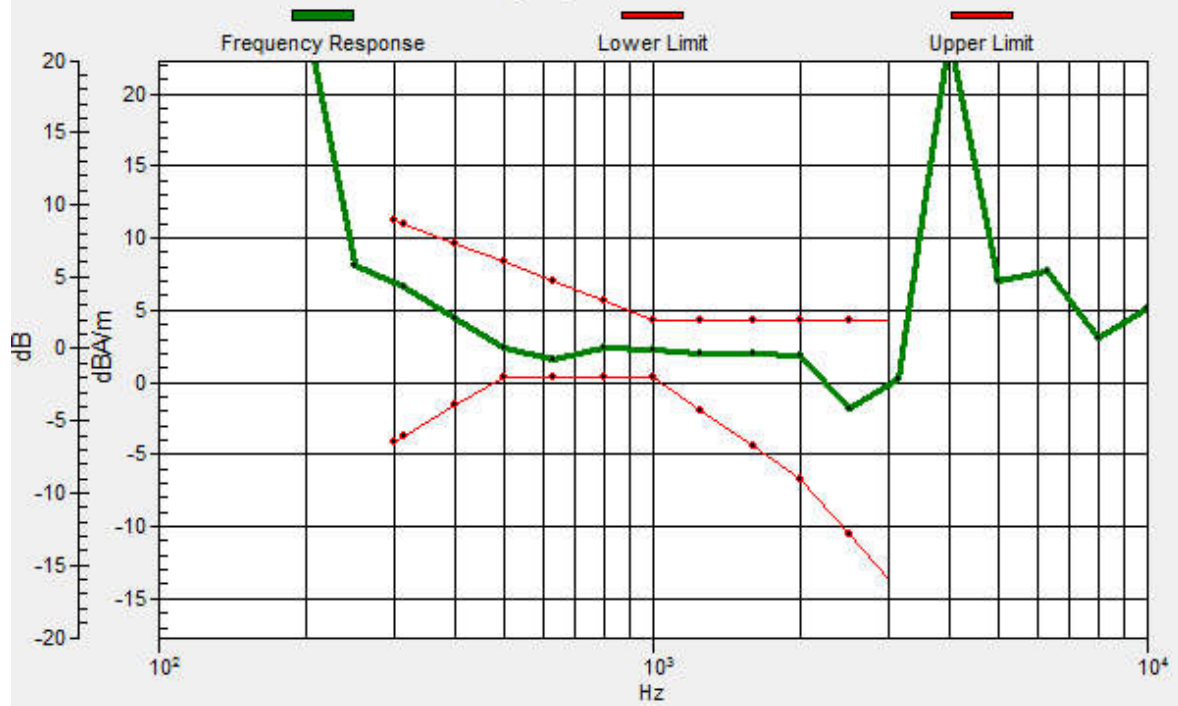
ABM1 comp = 1.85 dBA/m

Location: 4.6, -5.8, 3.7 mm



# Ch189/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.7, -5.9, 3.7 mm Diff: 1.21dB



## 01\_HAC T-Coil\_GSM850\_Voice\_Ch189\_Y

Communication System: UID 0, Generic GSM (0); Frequency: 836.4 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

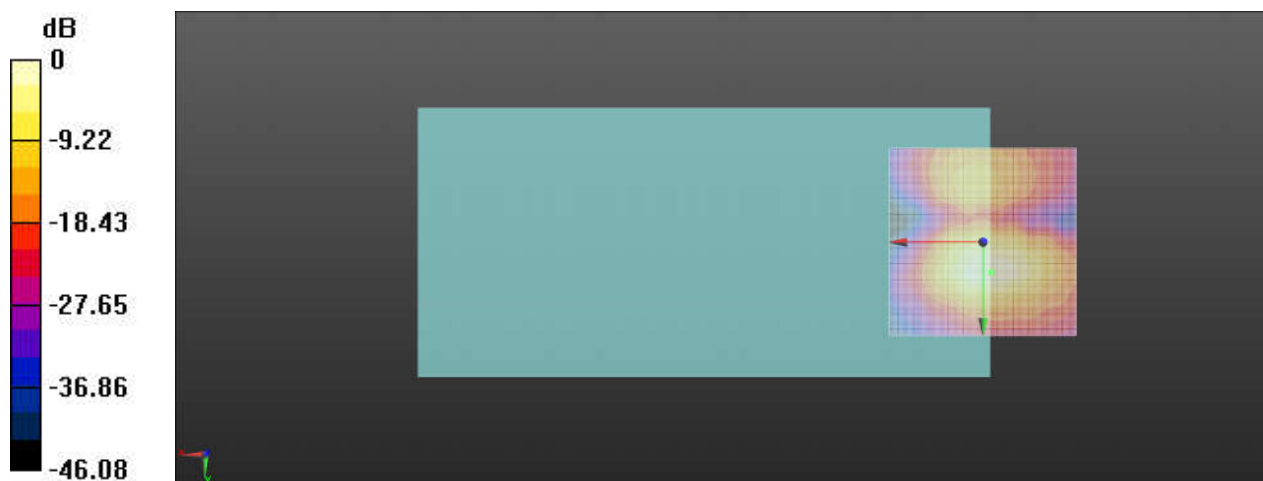
### Ch189/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 38.88 dB

ABM1 comp = -11.57 dBA/m

Location: -2.1, 7.9, 3.7 mm



0 dB = 87.87 = 38.88 dB

## 02\_HAC T-Coil\_GSM1900\_Voice\_Ch661\_Z

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

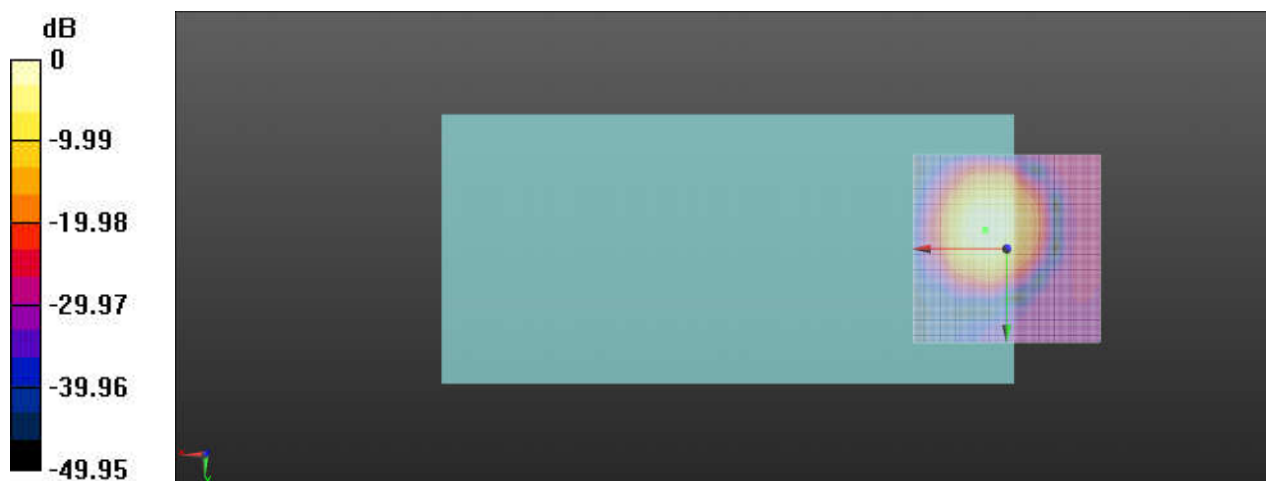
### Ch661/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 42.42 dB

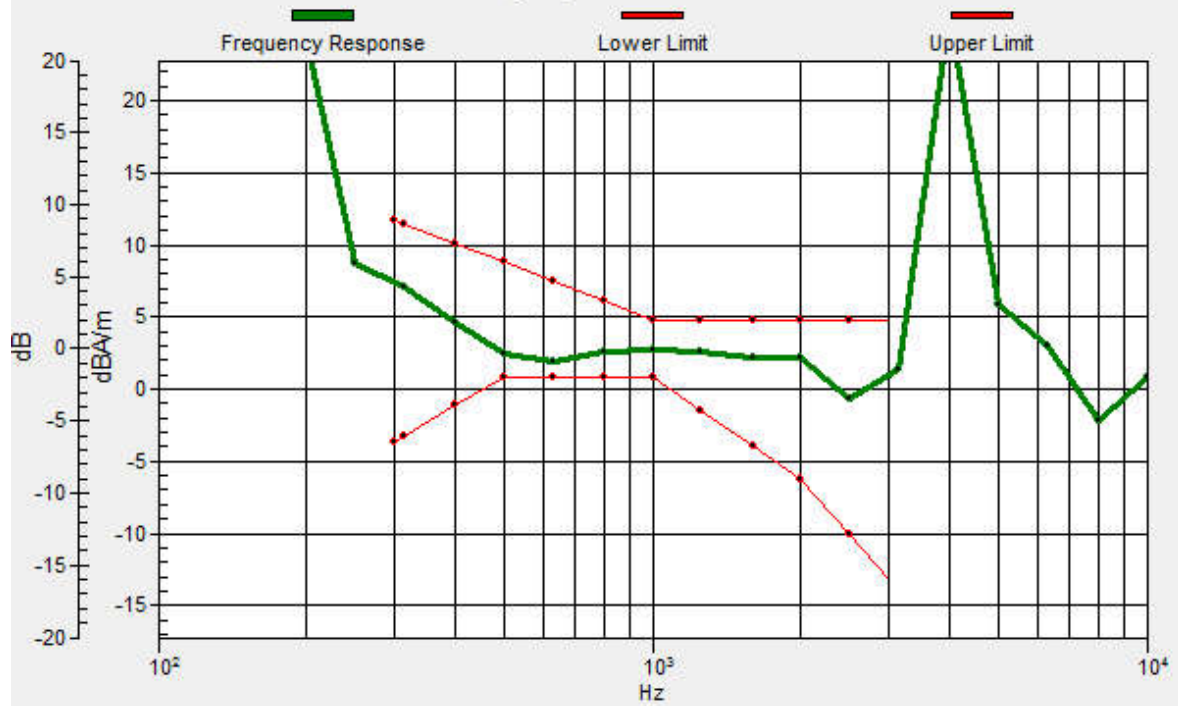
ABM1 comp = 2.45 dBA/m

Location: 5.8, -5, 3.7 mm



# Ch661/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 5.7, -5.2, 3.7 mm Diff: 1.08dB



## 02\_HAC T-Coil\_GSM1900\_Voice\_Ch661\_Y

Communication System: UID 0, Generic GSM (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C

### DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

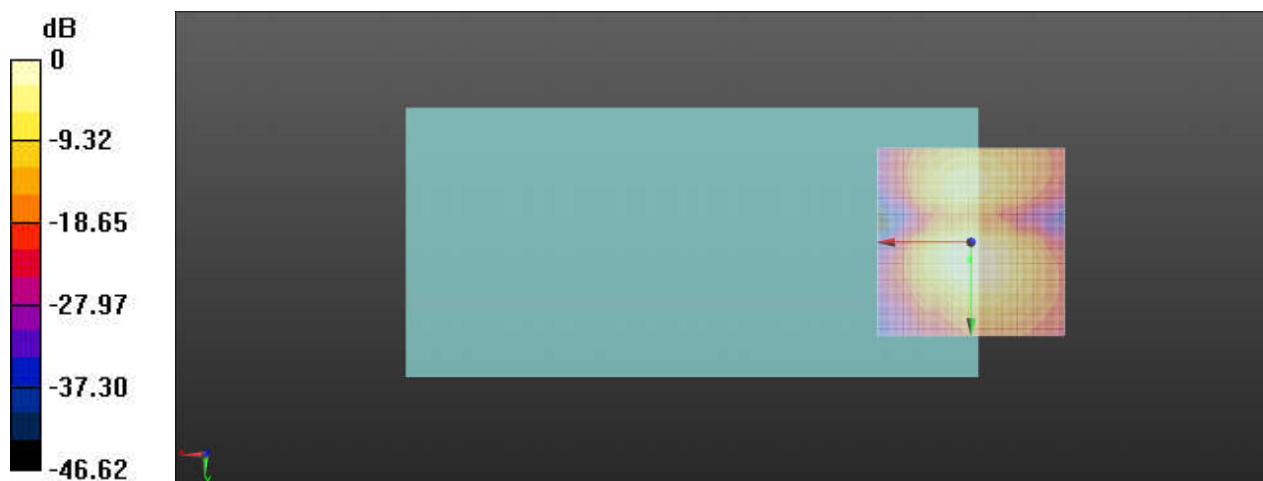
### Ch661/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 41.30 dB

ABM1 comp = -7.75 dBA/m

Location: 0.4, 4.6, 3.7 mm



0 dB = 116.1 = 41.30 dB

### 03\_HAC T-Coil\_WCDMA V\_Voice\_Ch4182\_Z

Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C

#### DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

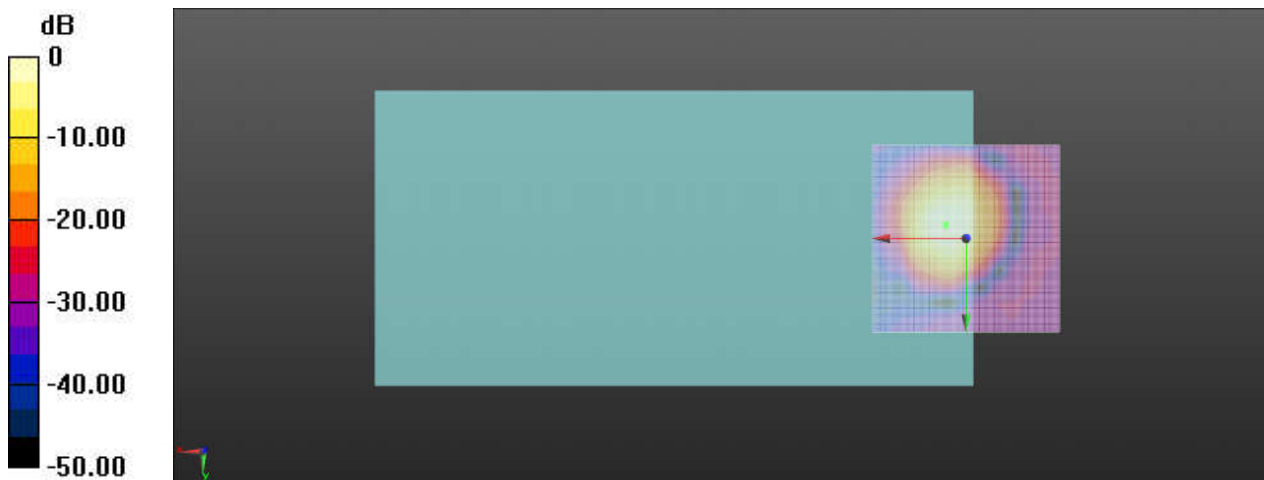
#### Ch4182/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 46.45 dB

ABM1 comp = -0.29 dBA/m

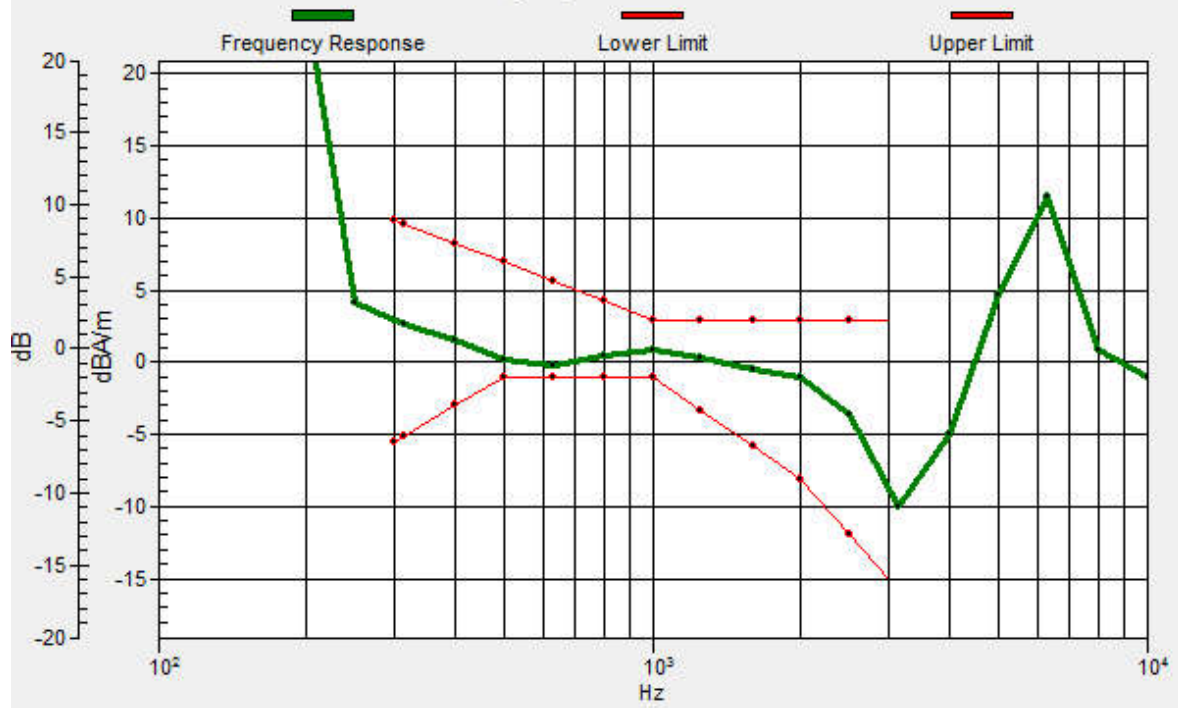
Location: 5.4, -3.8, 3.7 mm



0 dB = 210.2 = 46.45 dB

# Ch4182/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 5.4, -3.6, 3.7 mm Diff: 0.85dB





### 03\_HAC T-Coil\_WCDMA V\_Voice\_Ch4182\_Y

Communication System: UID 0, UMTS (0); Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C

#### DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

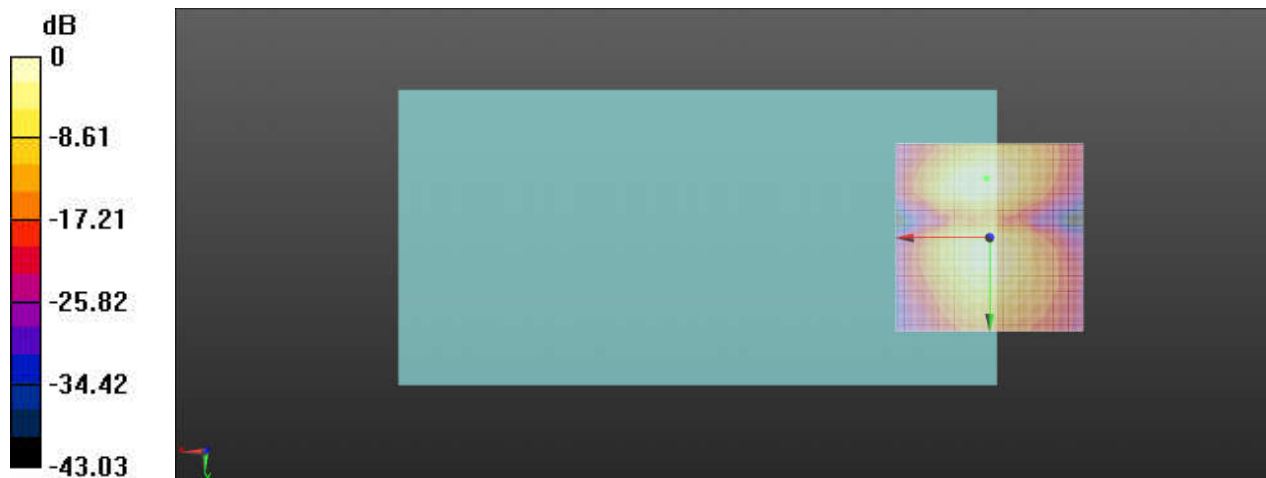
#### Ch4182/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 42.60 dB

ABM1 comp = -9.49 dBA/m

Location: 0.8, -15.8, 3.7 mm



0 dB = 134.9 = 42.60 dB

### 04\_HAC T-Coil\_WCDMA II\_Voice\_Ch9400\_Z

Communication System: UID 0, UMTS (0); Frequency: 1880 MHz;Duty Cycle: 1:1  
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C;

#### DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

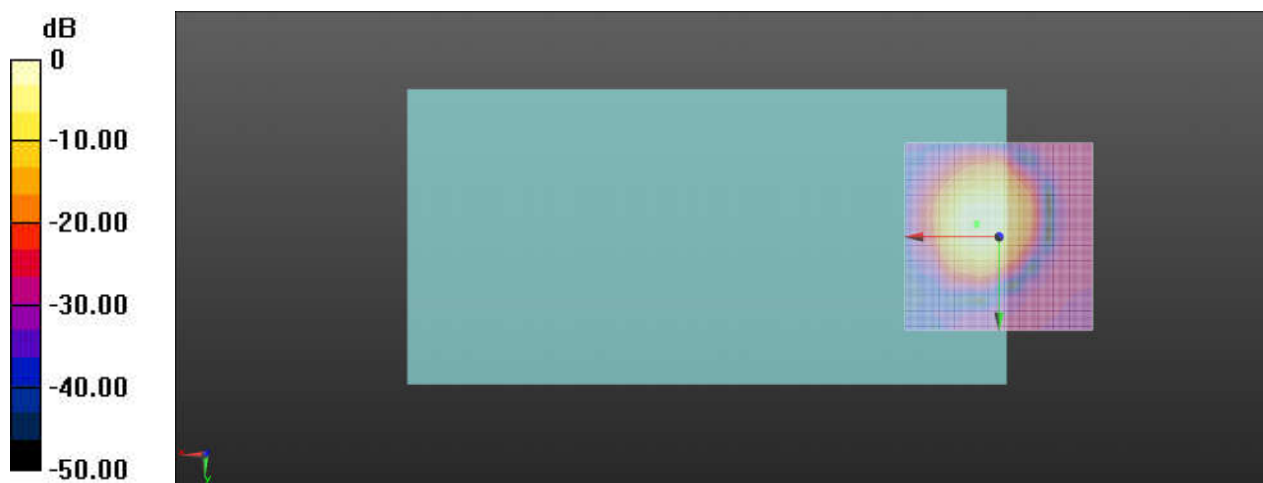
#### Ch9400/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 43.16 dB

ABM1 comp = -3.45 dBA/m

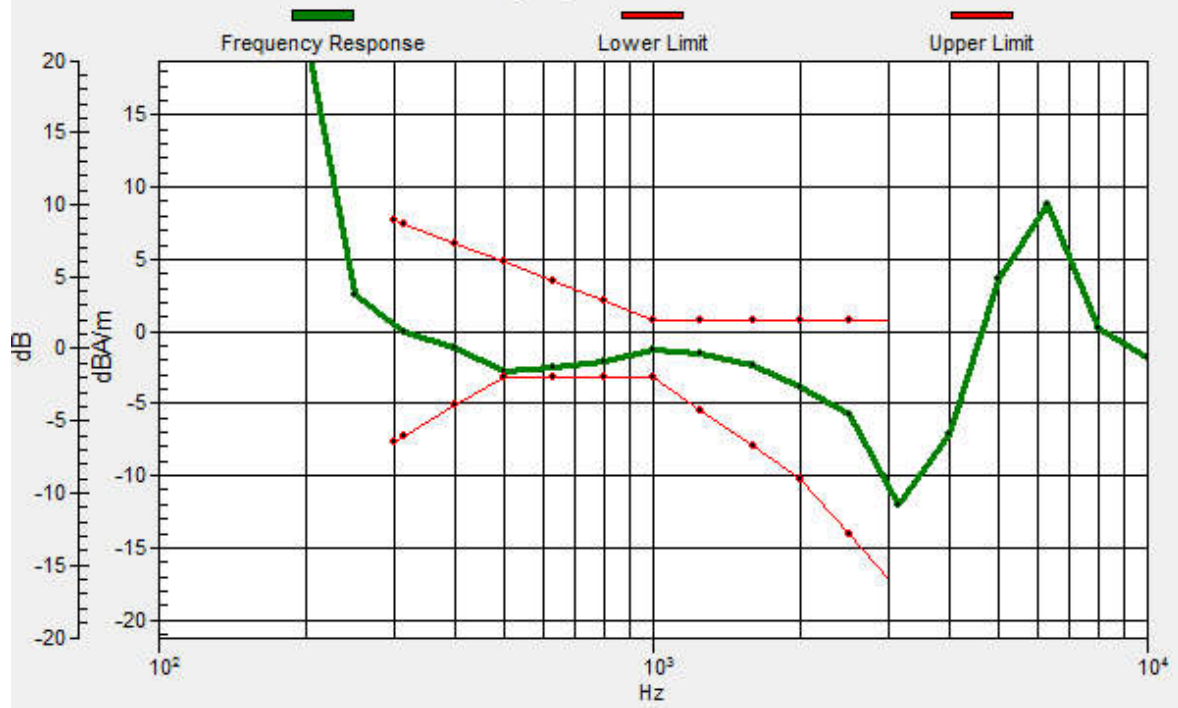
Location: 5.8, -3.3, 3.7 mm



0 dB = 144.0 = 43.17 dB

# Ch9400/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 5.9, -3.5, 3.7 mm Diff: 0.44dB



### 04\_HAC T-Coil\_WCDMA II\_Voice\_Ch9400\_Z

Communication System: UID 0, UMTS (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

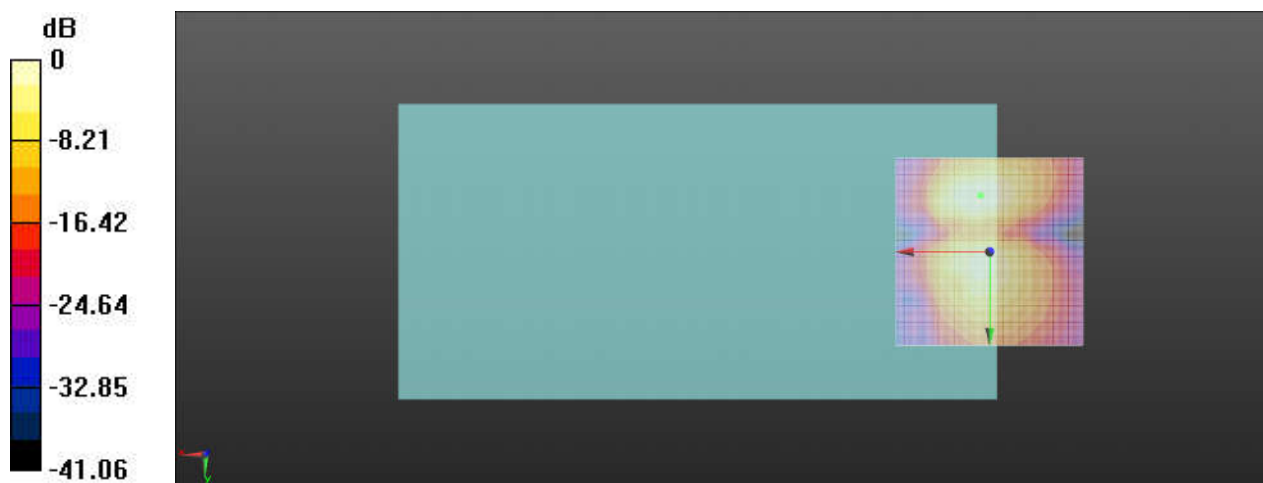
#### Ch9400/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 40.45 dB

ABM1 comp = -11.11 dBA/m

Location: 2.5, -15, 3.7 mm



0 dB = 105.4 = 40.46 dB

### 05\_HAC T-Coil\_LTE Band 2\_20M\_QPSK\_1RB\_Offset\_Ch18900\_Z

Communication System: UID 0, LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C

#### DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

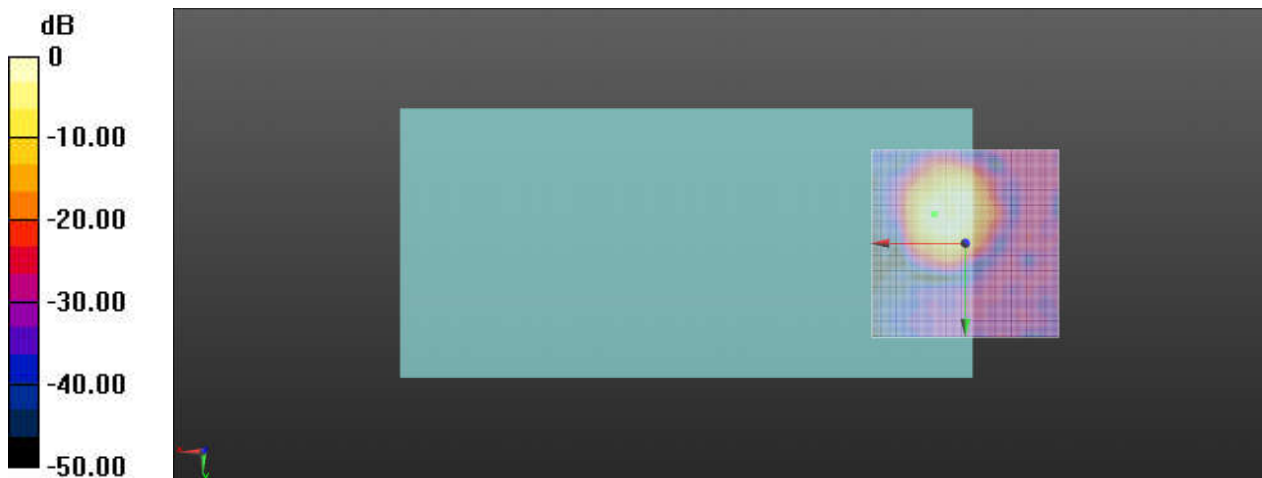
#### Ch18900/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 43.67 dB

ABM1 comp = 1.58 dBA/m

Location: 8.3, -7.9, 3.7 mm



0 dB = 152.5 = 43.67 dB

# Ch18900/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.2, -7.9, 3.7 mm Diff: 0.22dB



### 05\_HAC T-Coil\_LTE Band 2\_20M\_QPSK\_1RB\_Offset\_Ch18900\_Y

Communication System: UID 0, LTE (0); Frequency: 1880 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

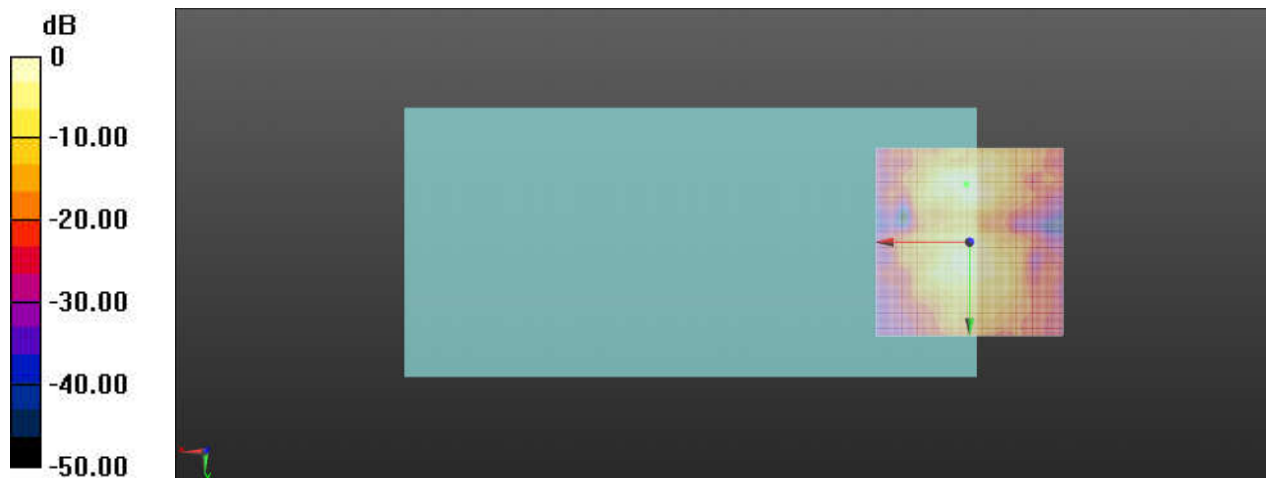
#### Ch18900/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 37.86 dB

ABM1 comp = -13.19 dBA/m

Location: 0.8, -15.4, 3.7 mm



0 dB = 78.16 = 37.86 dB

### 06\_HAC T-Coil\_LTE Band 7\_20M\_QPSK\_1RB\_Offset\_Ch21100\_Z

Communication System: UID 0, LTE (0); Frequency: 2535 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

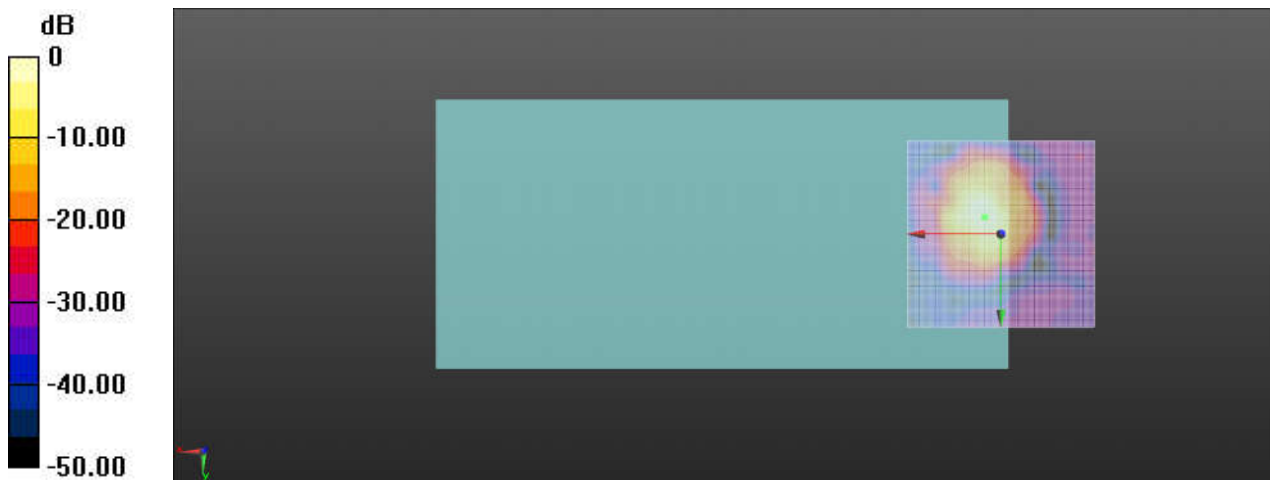
#### Ch21100/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 39.81 dB

ABM1 comp = -4.39 dBA/m

Location: 4.2, -4.6, 3.7 mm

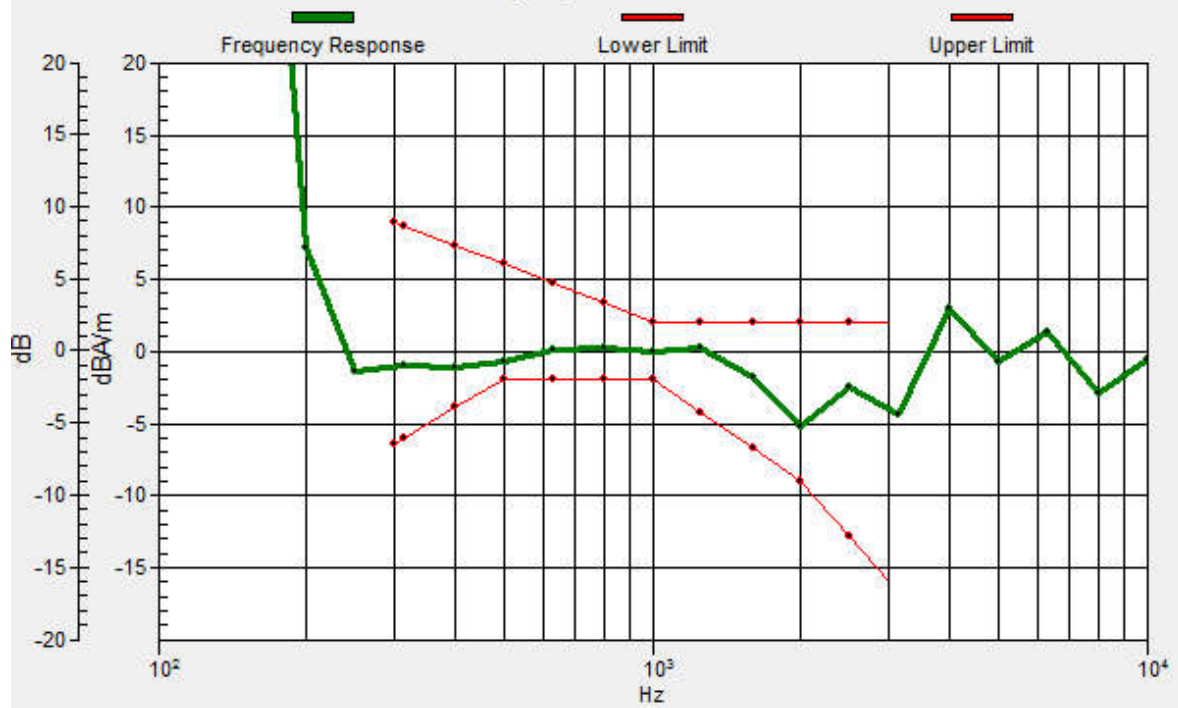


0 dB = 97.79 = 39.81 dB



# Ch21100/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.3, -4.6, 3.7 mm Diff: 1.22dB



### 06\_HAC T-Coil\_LTE Band 7\_20M\_QPSK\_1RB\_Offset\_Ch21100\_Y

Communication System: UID 0, LTE (0); Frequency: 2535 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

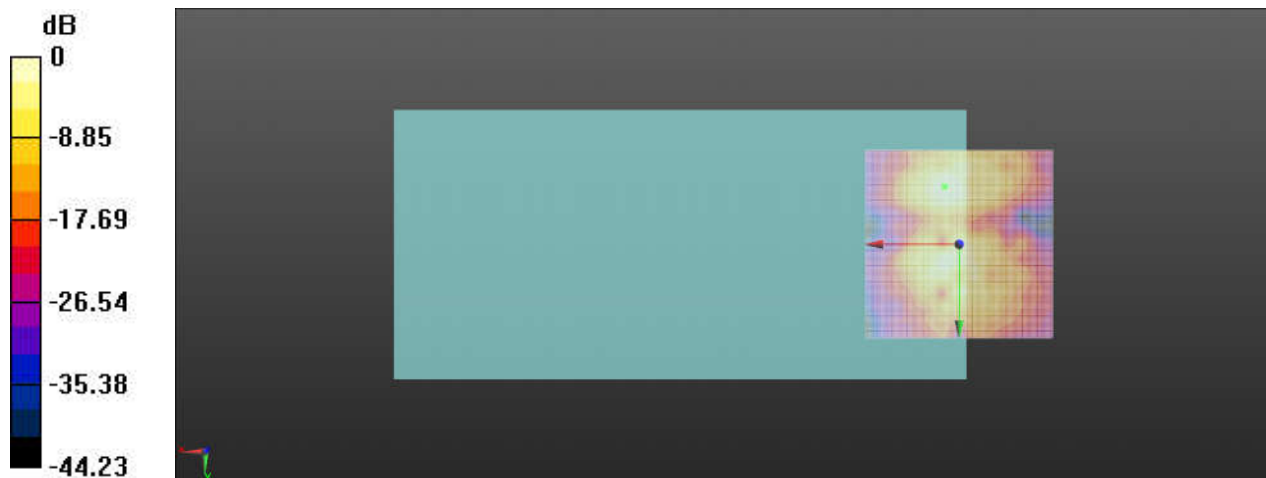
#### Ch21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 37.23 dB

ABM1 comp = -11.17 dBA/m

Location: 3.8, -15.4, 3.7 mm



0 dB = 72.73 = 37.23 dB

### 07\_HAC T-Coil\_LTE Band 26\_15M\_QPSK\_1RB\_Offset\_Ch26865\_Z

Communication System: UID 0, LTE (0); Frequency: 831.5 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

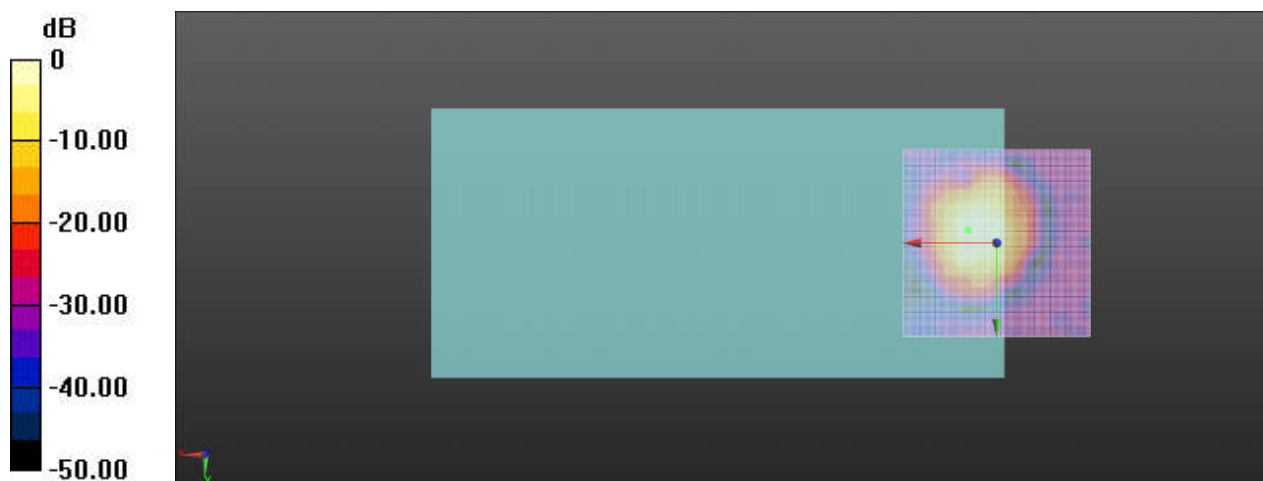
#### Ch26865/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 40.77 dB

ABM1 comp = -2.39 dBA/m

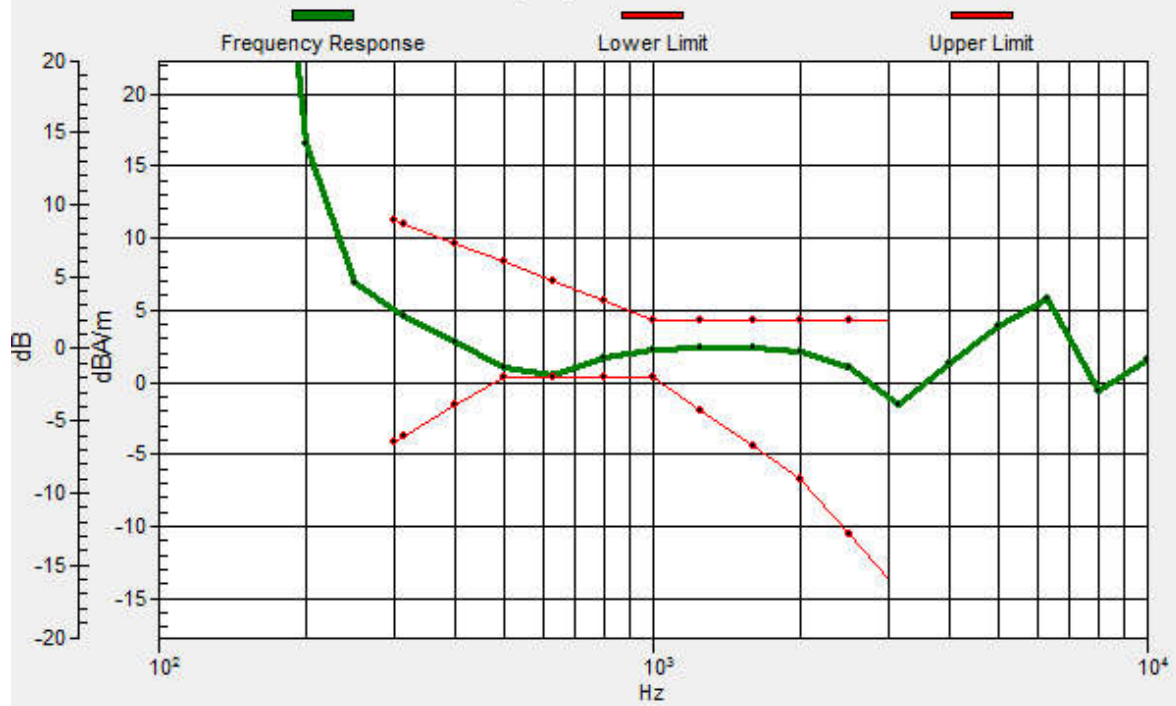
Location: 7.5, -3.3, 3.7 mm



0 dB = 109.2 = 40.76 dB

# Ch26865/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 7.7, -3.6, 3.7 mm Diff: 0.2dB



### 07\_HAC T-Coil\_LTE Band 26\_15M\_QPSK\_1RB\_Offset\_Ch26865\_Y

Communication System: UID 0, LTE (0); Frequency: 831.5 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

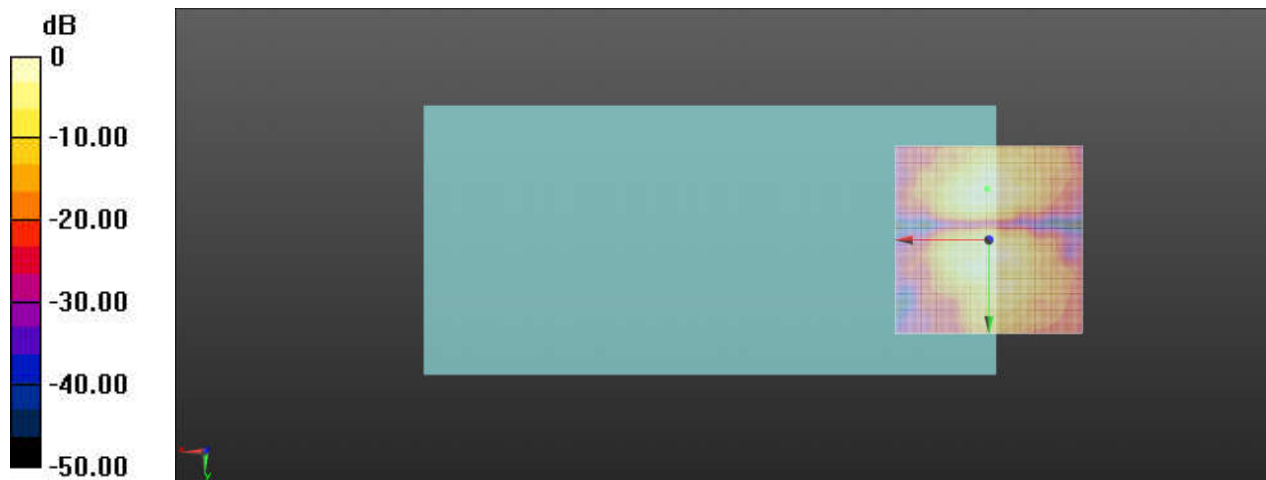
### Ch26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 39.05 dB

ABM1 comp = -11.61 dBA/m

Location: 0.4, -13.8, 3.7 mm



0 dB = 89.67 = 39.05 dB

### 08\_HAC T-Coil\_LTE Band 41\_20M\_QPSK\_1RB\_Offset\_Ch40620\_Z

Communication System: UID 0, LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1.59  
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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

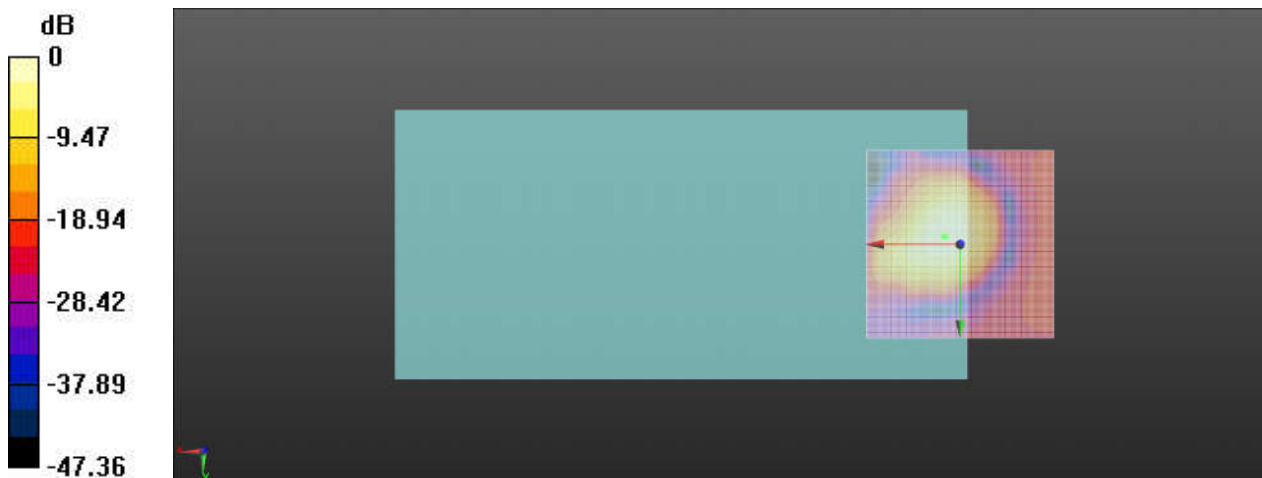
#### Ch40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 23.62 dB

ABM1 comp = 2.37 dBA/m

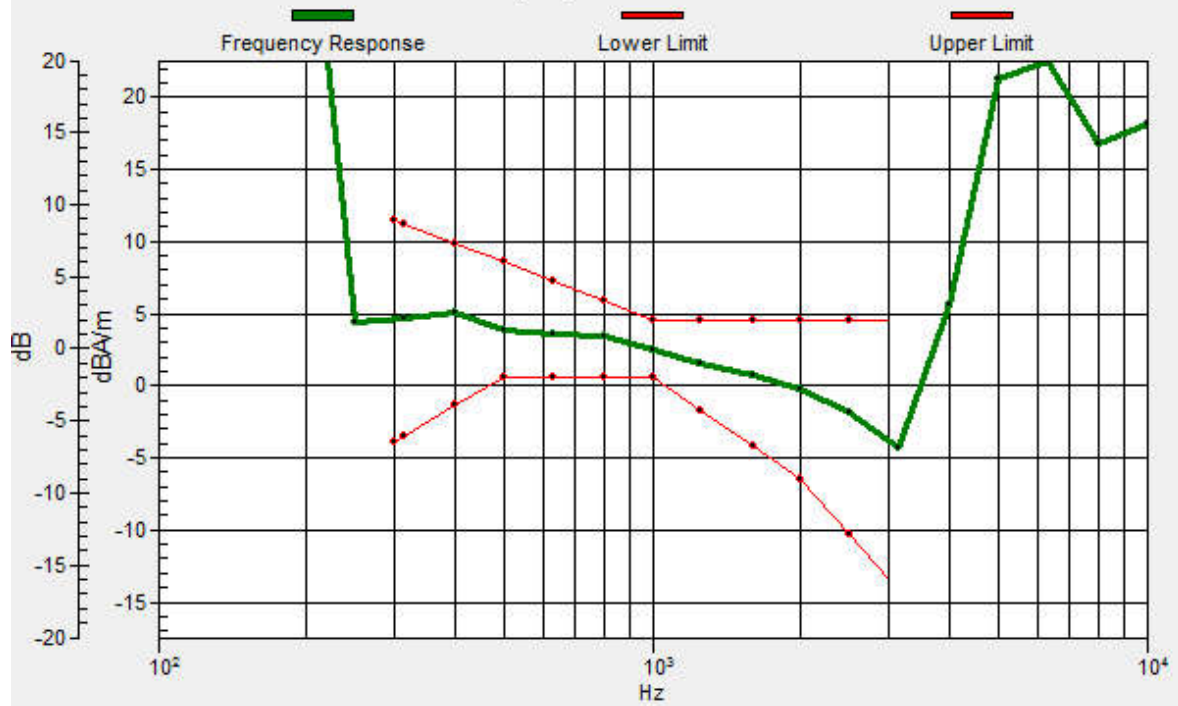
Location: 4.2, -2.1, 3.7 mm



0 dB = 15.18 = 23.63 dB

# Ch40620/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4, -2.2, 3.7 mm Diff: 2dB



### 08\_HAC T-Coil\_LTE Band 41\_20M\_QPSK\_1RB\_Offset\_Ch40620\_Y

Communication System: UID 0, LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1.59

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

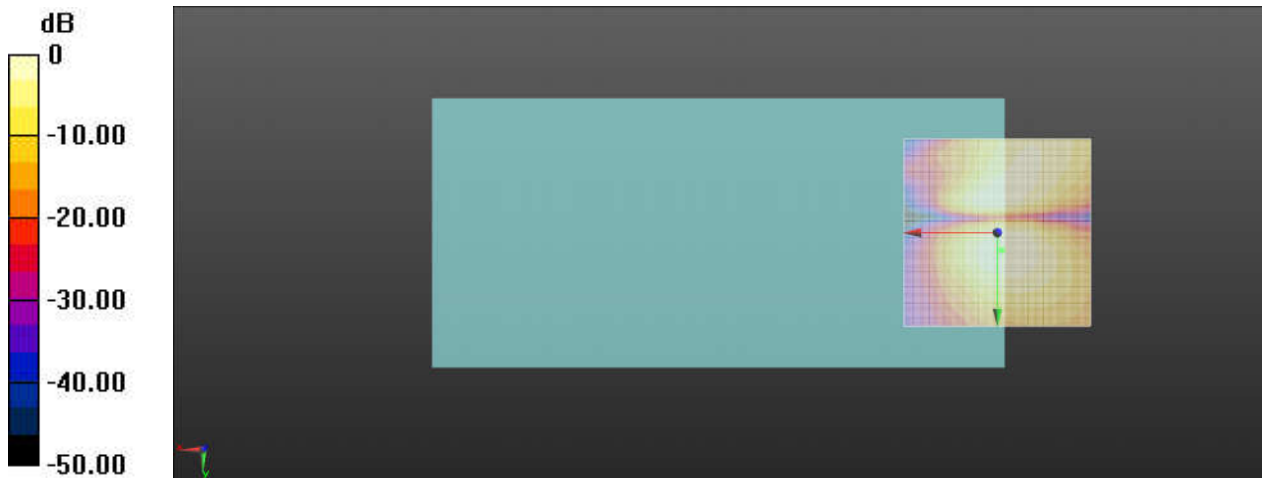
### Ch40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 30.77 dB

ABM1 comp = -7.66 dBA/m

Location: -1.2, 4.6, 3.7 mm



0 dB = 34.57 = 30.77 dB



### 15\_HAC T-Coil\_LTE Band 41\_20M\_QPSK\_1RB\_Offset\_Ch40620\_Z

Communication System: UID 0, LTE (0); Frequency: 2593 MHz; Duty Cycle: 1:1.59

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

#### Ch40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

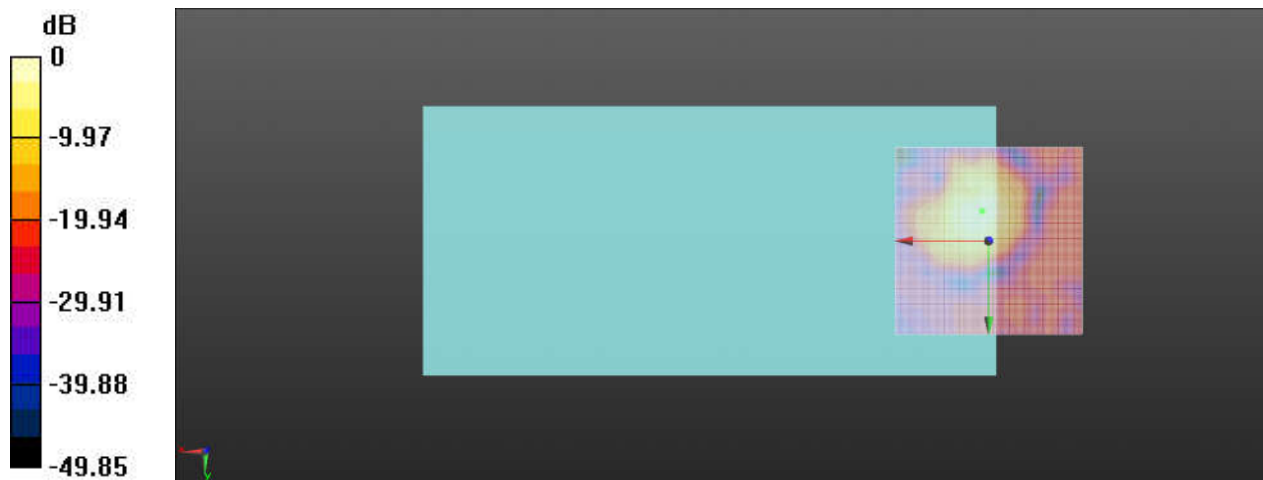
Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 29.57 dB

ABM1 comp = -0.99 dBA/m

BWC Factor = 0.18 dB

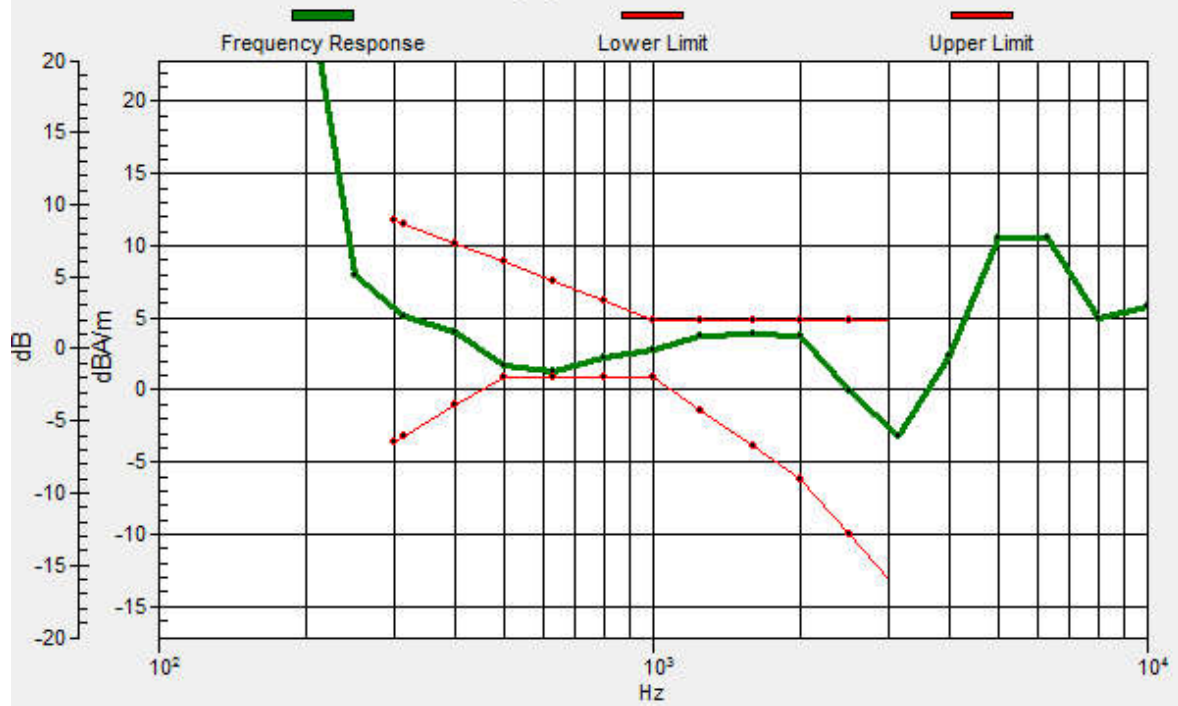
Location: 1.7, -7.9, 3.7 mm



0 dB = 30.09 = 29.57 dB

# Ch40620/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 1.7, -8, 3.7 mm Diff: 0.38dB



### 15\_HAC T-Coil\_LTE Band 41\_20M\_QPSK\_1RB\_Offset\_Ch40620\_Y

Communication System: UID 0, LTE (0); Frequency: 2593 MHz;Duty Cycle: 1:1.59

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

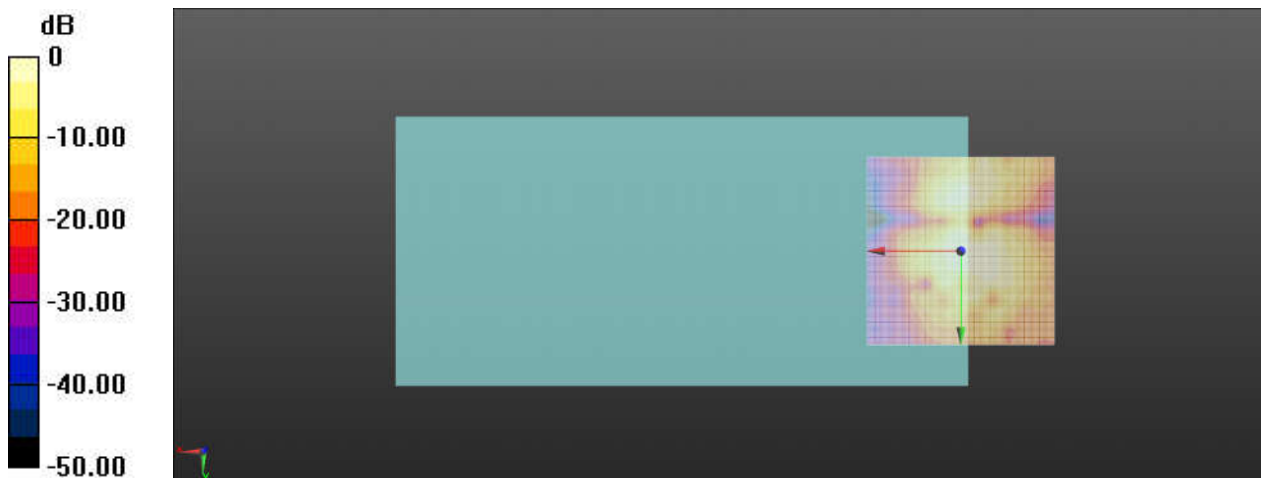
#### Ch40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 35.02 dB

ABM1 comp = -9.14 dBA/m

Location: -0.4, 0, 3.7 mm



0 dB = 56.37 = 35.02 dB

### 09\_HAC T-Coil\_LTE Band 42\_20M\_QPSK\_1RB\_Offset\_Ch42590\_Z

Communication System: UID 0, LTE (0); Frequency: 3500 MHz; Duty Cycle: 1:1.59

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

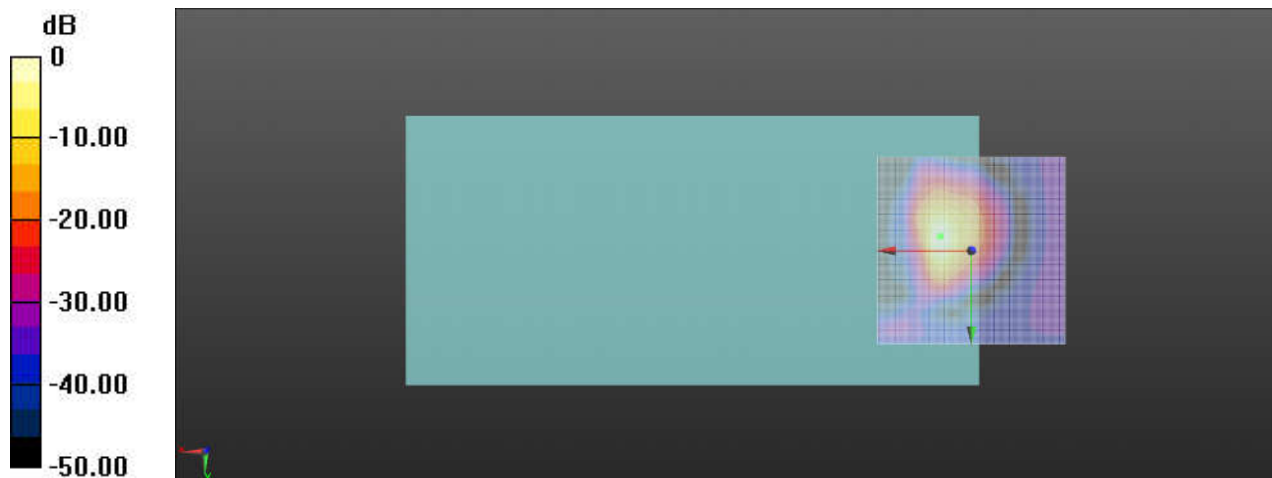
#### Ch42590/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 36.99 dB

ABM1 comp = 3.12 dBA/m

Location: 8.3, -3.8, 3.7 mm



0 dB = 70.75 = 36.99 dB

# Ch42590/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.2, -3.9, 3.7 mm Diff: 2dB



### 09\_HAC T-Coil\_LTE Band 42\_20M\_QPSK\_1RB\_Offset\_Ch42590\_Y

Communication System: UID 0, LTE (0); Frequency: 3500 MHz; Duty Cycle: 1:1.59

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

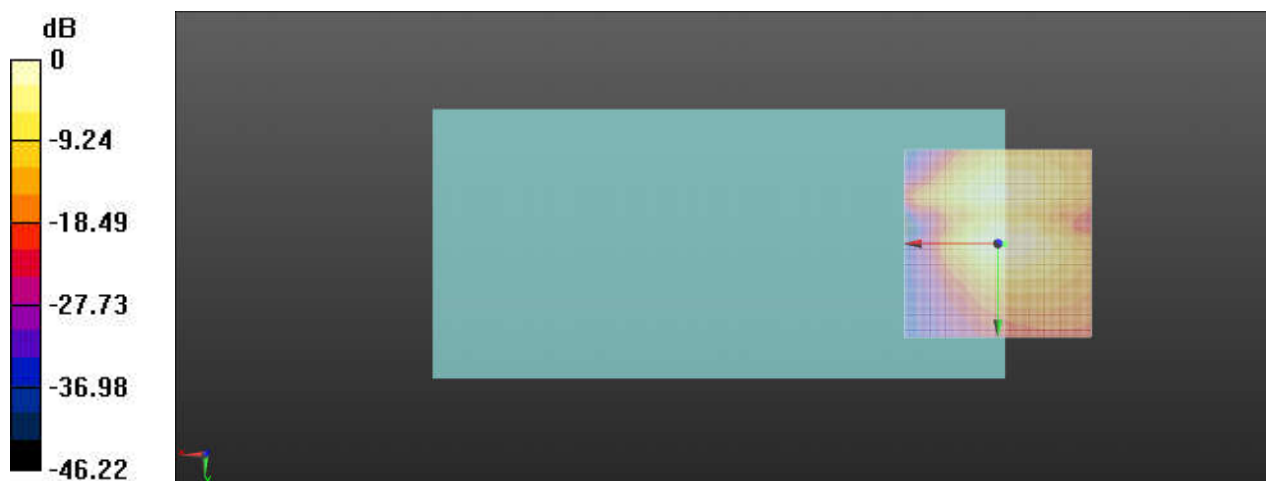
#### Ch42590/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 28.94 dB

ABM1 comp = -9.24 dBA/m

Location: -1.7, 0, 3.7 mm



0 dB = 28.00 = 28.94 dB

### 10\_HAC T-Coil\_WLAN 2.4GHz\_802.11b\_1M\_Ch6\_Z

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz; Duty Cycle: 1:1.026

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

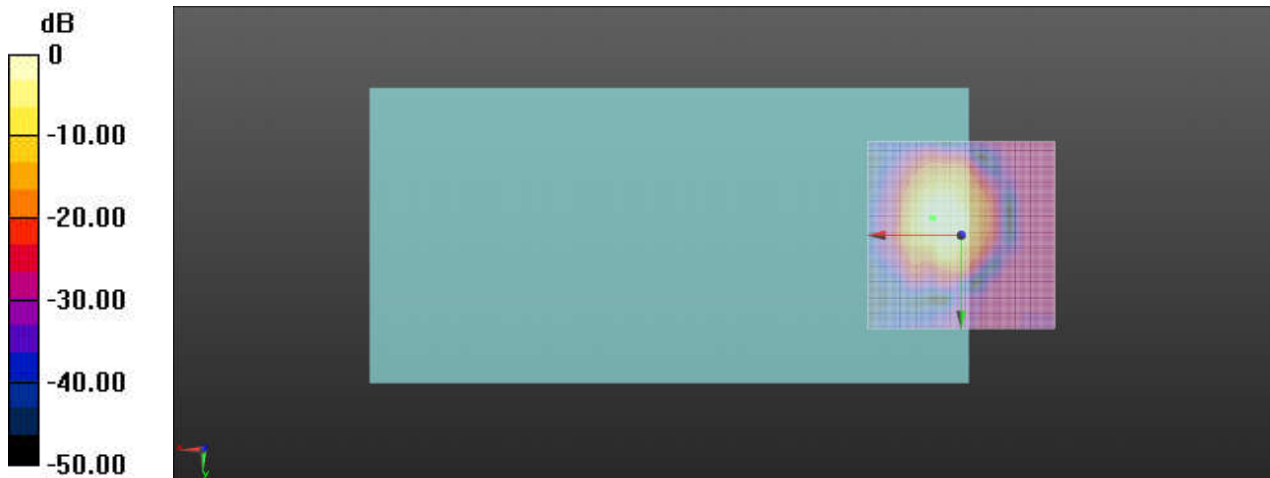
**Ch6/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.08 dB

ABM1 comp = 5.66 dBA/m

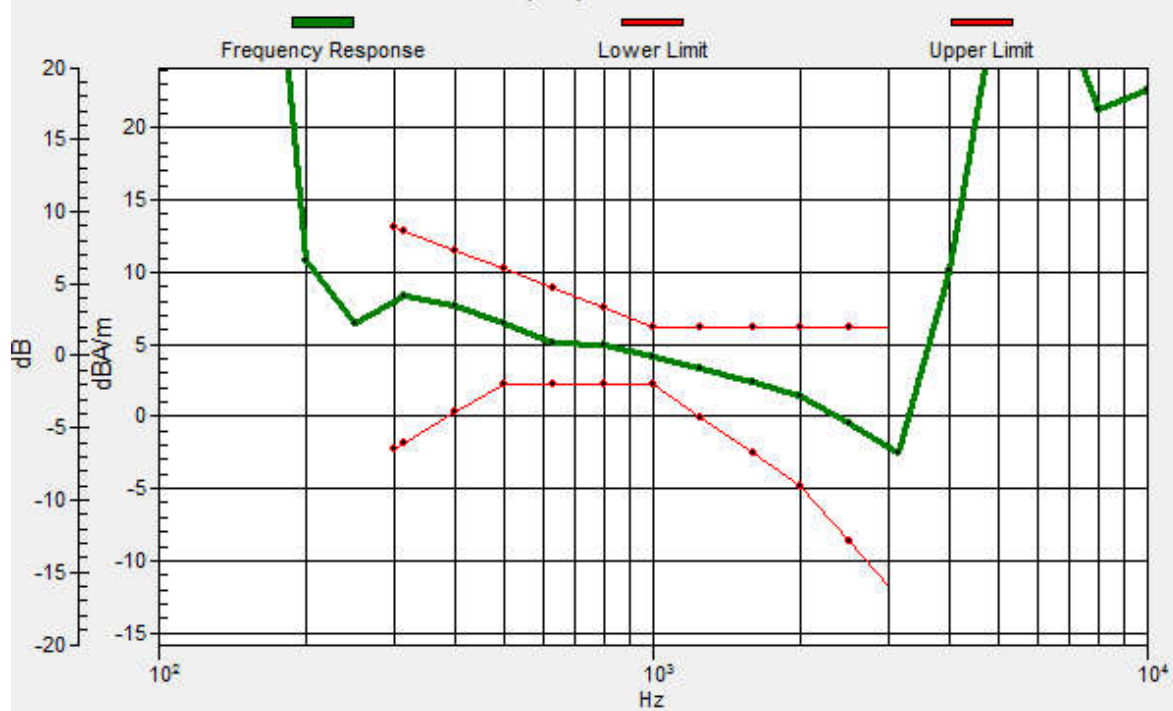
Location: 7.5, -4.6, 3.7 mm



0 dB = 253.6 = 48.08 dB

# Ch6/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 7.7, -4.7, 3.7 mm Diff: 2dB





## 10\_HAC T-Coil\_WLAN 2.4GHz\_802.11b\_1M\_Ch6\_Y

Communication System: UID 0, WIFI (0); Frequency: 2437 MHz; Duty Cycle: 1:1.026

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

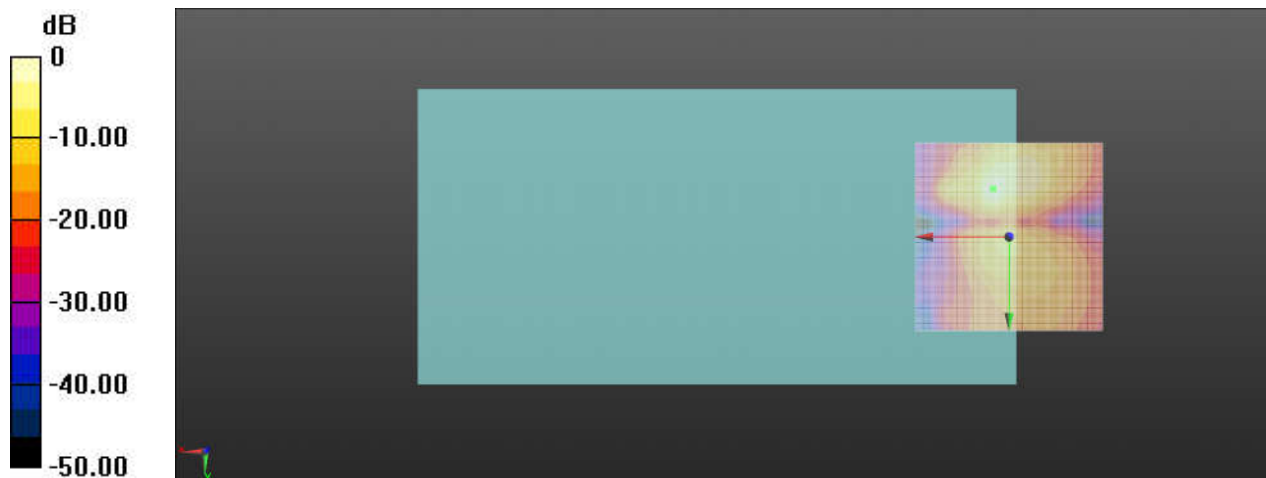
### Ch6/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 45.92 dB

ABM1 comp = -2.99 dBA/m

Location: 4.2, -12.9, 3.7 mm



0 dB = 197.7 = 45.92 dB

## 11\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40\_MCS 8\_Ch38\_Z

Communication System: UID 0, WIFI (0); Frequency: 5190 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

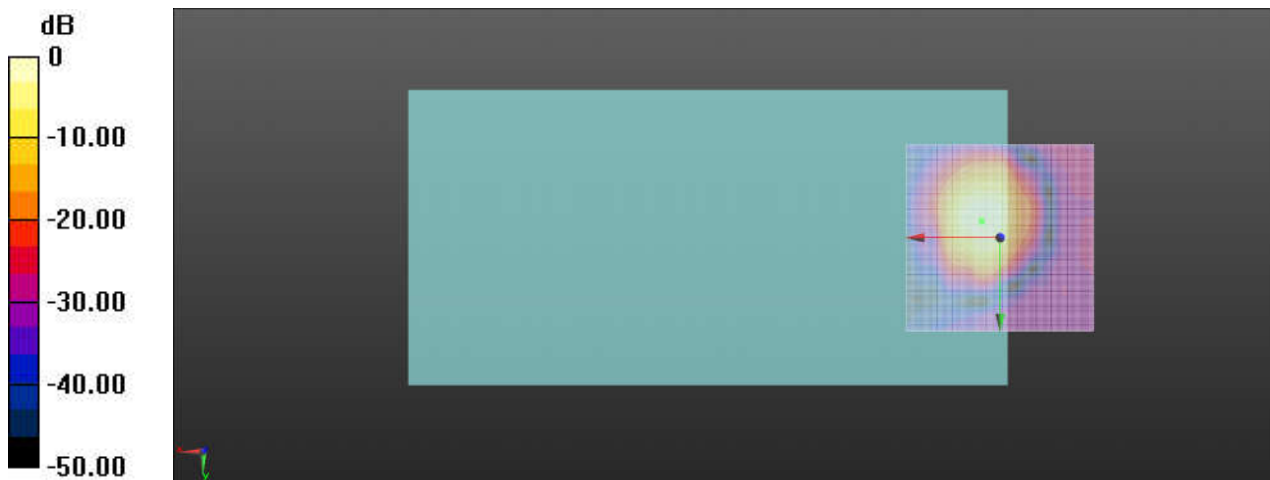
**Ch38/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.76 dB

ABM1 comp = 3.58 dBA/m

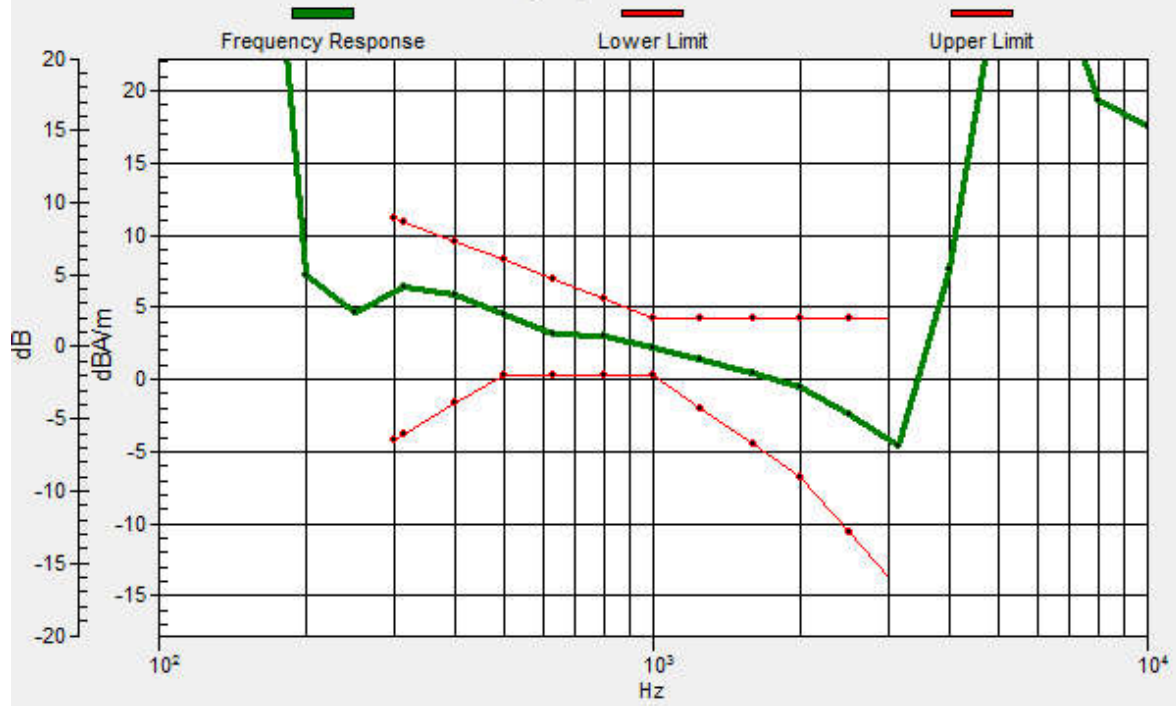
Location: 5, -4.6, 3.7 mm



0 dB = 307.7 = 49.76 dB

# Ch38/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.9, -4.4, 3.7 mm Diff: 2dB



## 11\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40\_MCS 8\_Ch38\_Y

Communication System: UID 0, WIFI (0); Frequency: 5190 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

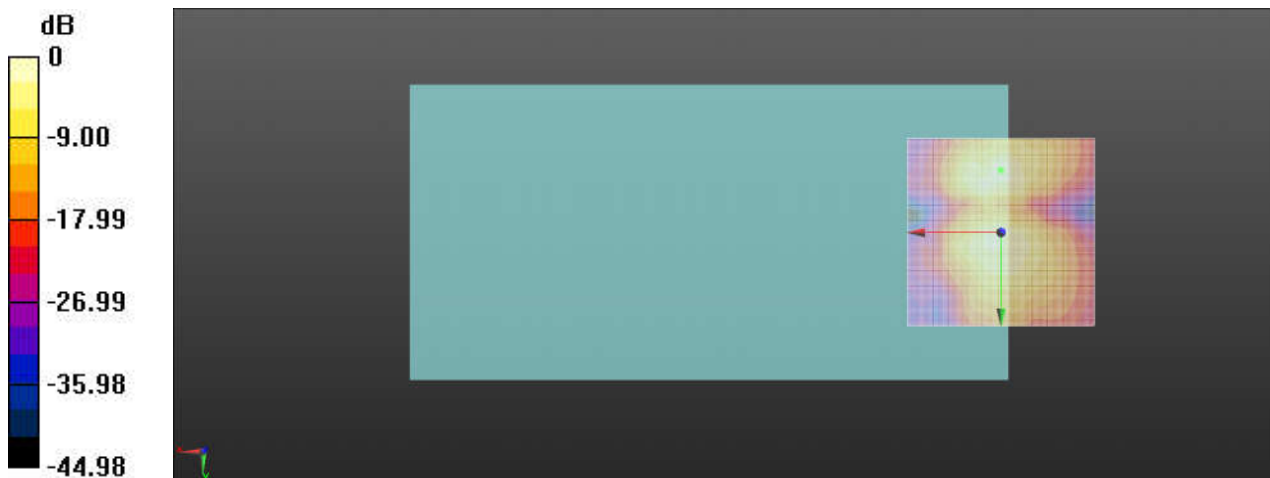
### Ch38/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 45.35 dB

ABM1 comp = -5.79 dBA/m

Location: 0, -16.7, 3.7 mm



0 dB = 185.2 = 45.35 dB

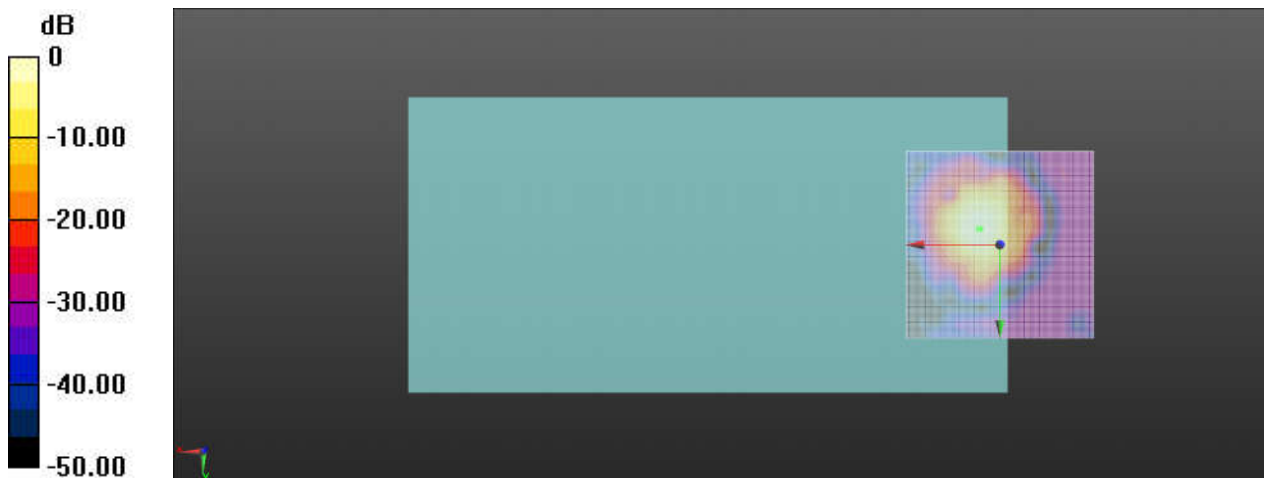
## 12\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40\_MCS 8\_Ch54\_Z

Communication System: UID 0, WIFI (0); Frequency: 5270 MHz;Duty Cycle: 1:1.056  
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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

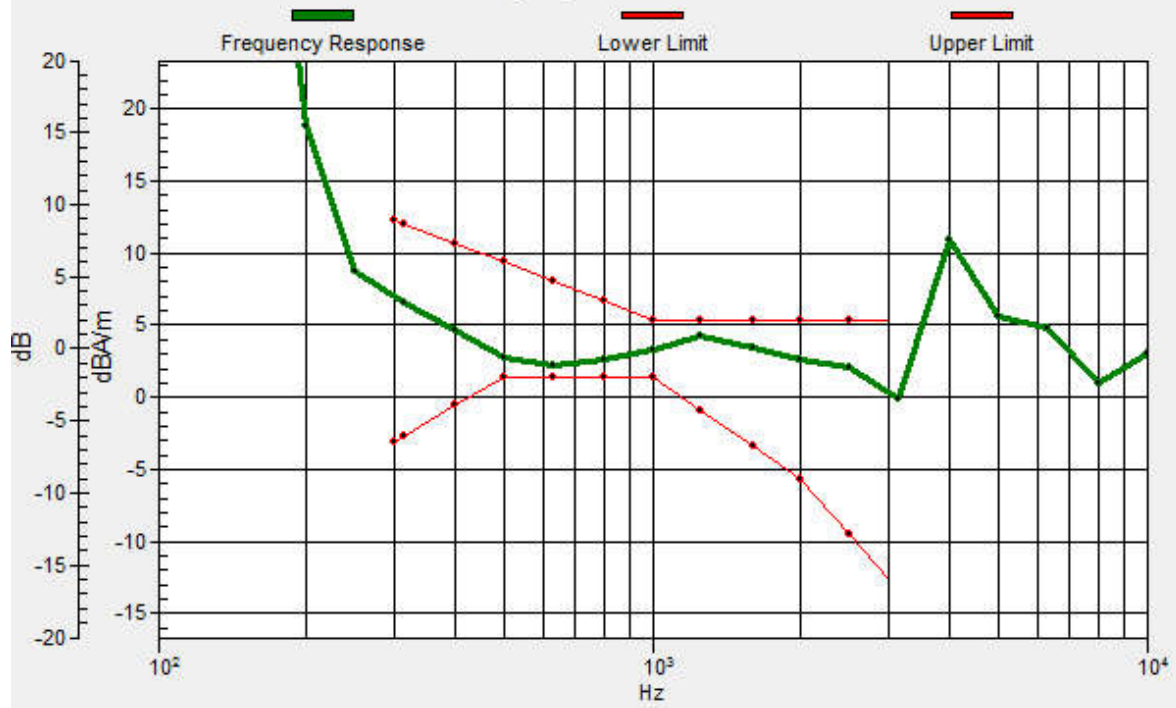
**Ch54/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
ABM1/ABM2 = 45.62 dB  
ABM1 comp = 0.25 dBA/m  
Location: 5.4, -4.2, 3.7 mm



0 dB = 191.0 = 45.62 dB

# Ch54/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 5.2, -4.3, 3.7 mm Diff: 0.79dB



## 12\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40\_MCS 8\_Ch54\_Y

Communication System: UID 0, WIFI (0); Frequency: 5270 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

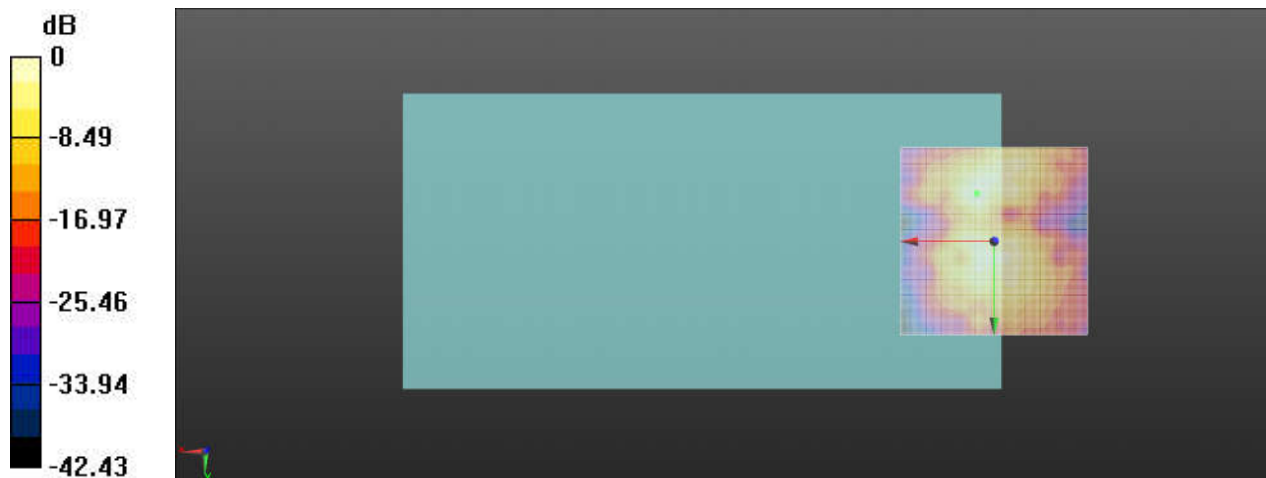
### Ch54/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 40.35 dB

ABM1 comp = -8.08 dBA/m

Location: 4.6, -12.9, 3.7 mm



0 dB = 104.1 = 40.35 dB

### 13\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40\_MCS 8\_Ch110\_Z

Communication System: UID 0, WIFI (0); Frequency: 5550 MHz; Duty Cycle: 1:1.056

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

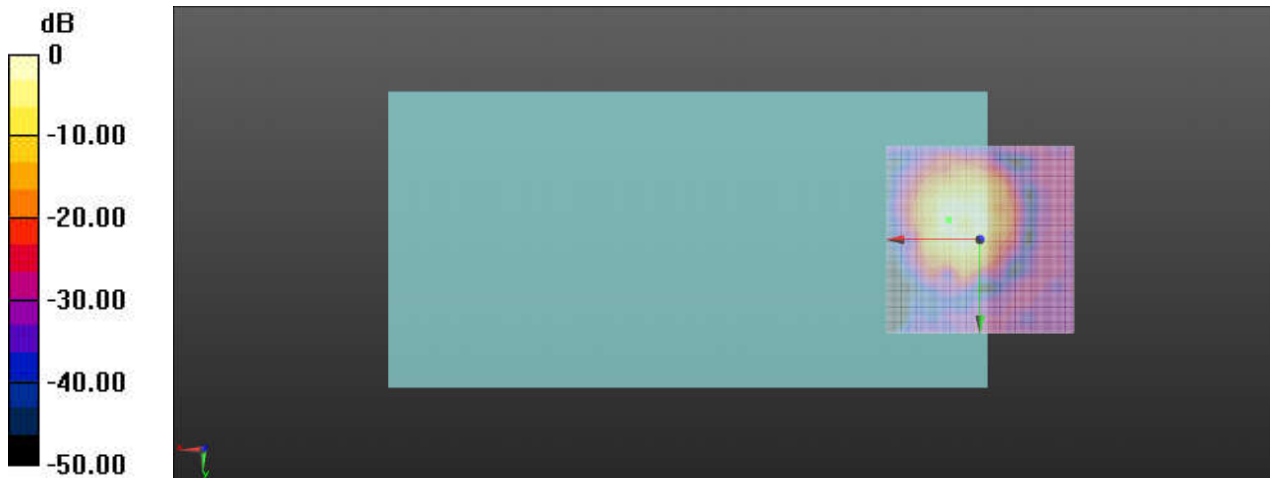
#### Ch110/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 43.19 dB

ABM1 comp = 0.24 dBA/m

Location: 8.3, -5.4, 3.7 mm

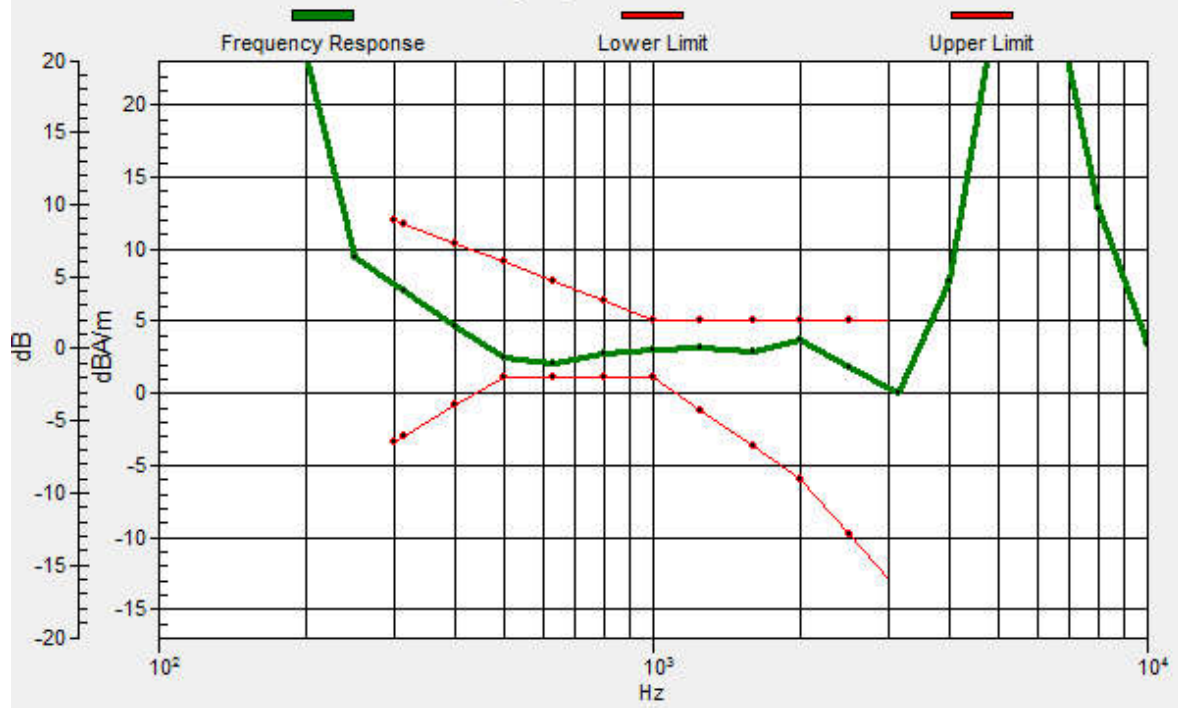


0 dB = 144.4 = 43.19 dB



# Ch110/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 8.3, -5.2, 3.7 mm Diff: 0.99dB



### 13\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40\_MCS 8\_Ch110\_Y

Communication System: UID 0, WIFI (0); Frequency: 5550 MHz;Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

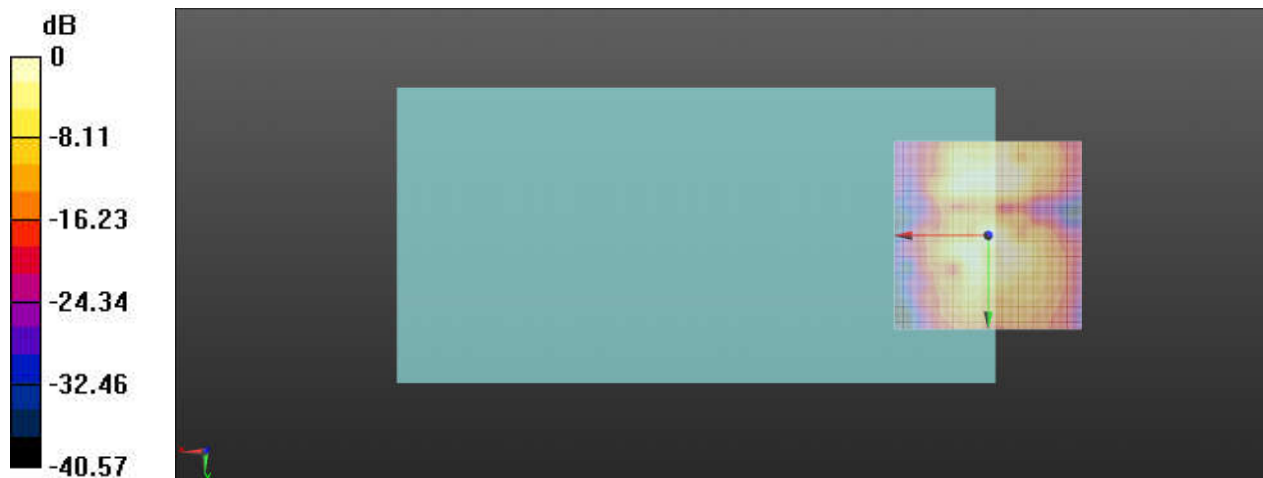
#### Ch110/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 39.01 dB

ABM1 comp = -9.35 dBA/m

Location: -0.4, 0, 3.7 mm



0 dB = 89.21 = 39.01 dB

### 14\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40\_MCS 8\_Ch151\_Z

Communication System: UID 0, WIFI (0); Frequency: 5755 MHz; Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

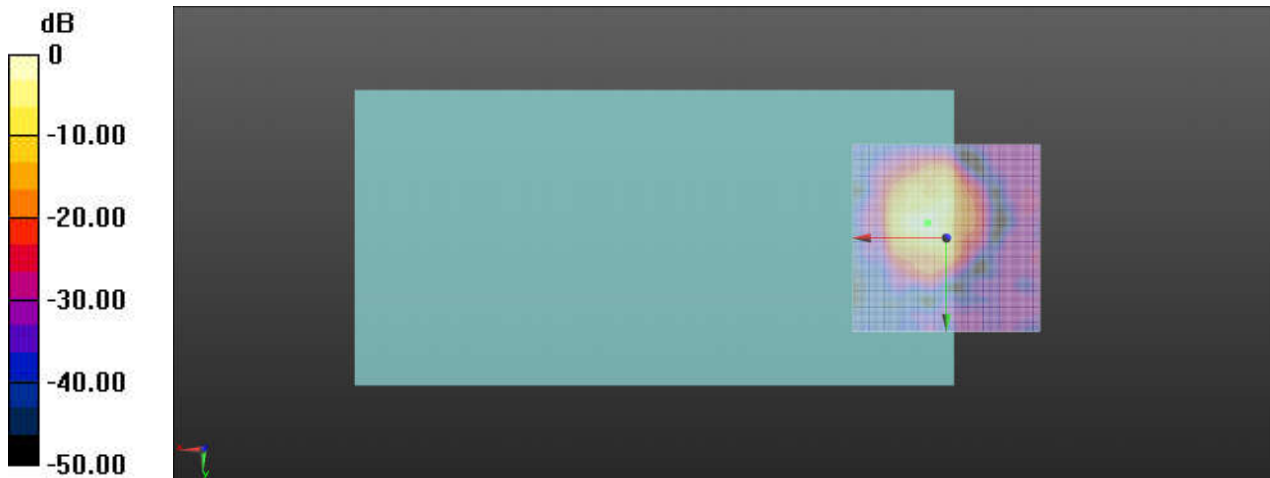
#### Ch151/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 45.80 dB

ABM1 comp = 0.03 dBA/m

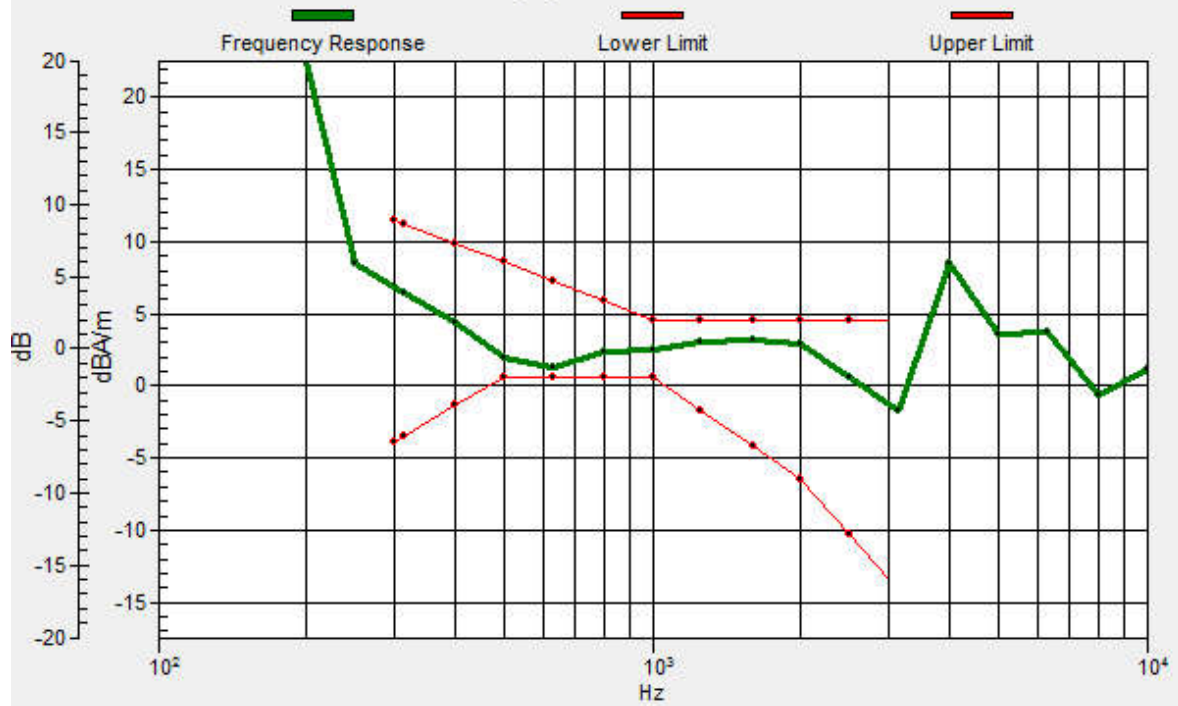
Location: 5, -4.2, 3.7 mm



0 dB = 194.9 = 45.80 dB

# Ch151/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 5.1, -4, 3.7 mm Diff: 0.72dB



### 14\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40\_MCS 8\_Ch151\_Y

Communication System: UID 0, WIFI (0); Frequency: 5755 MHz;Duty Cycle: 1:1.056

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 - 3106; ; Calibrated: 2022/12/13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2022/8/25
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (3); SEMCAD X Version 14.6.13 (7474)

#### Ch151/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 = -8.41 dBA/m

Location: 2.1, -16.7, 3.7 mm

