

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

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

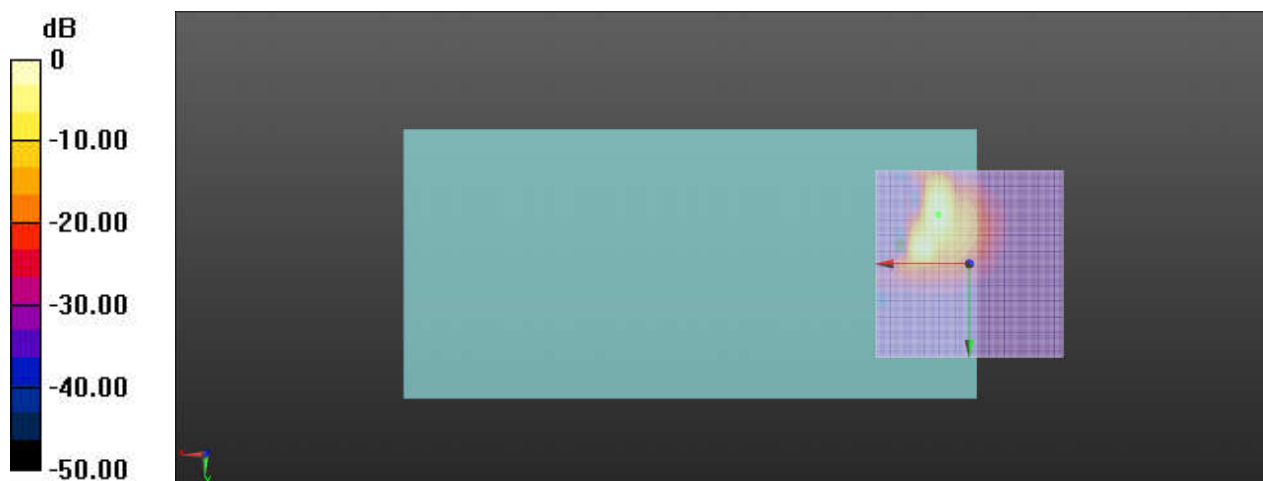
### Ch189/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 28.85 dB

ABM1 comp = -5.34 dBA/m

Location: 8.3, -13.3, 3.7 mm



0 dB = 27.71 = 28.85 dB

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

Loc: 8.3, -13.1, 3.7 mm Diff: 1.14dB



## 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

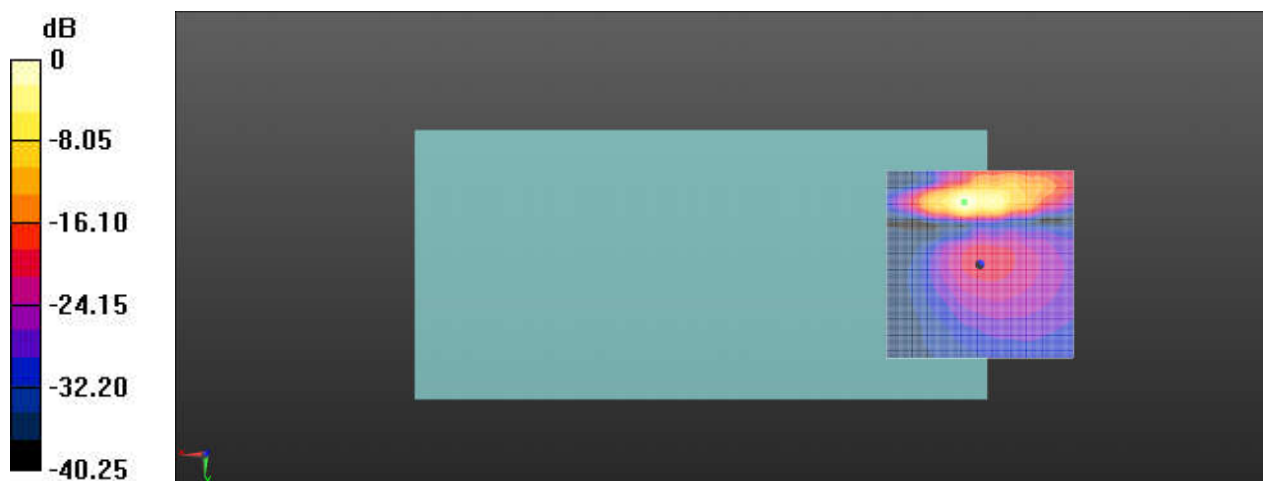
### Ch189/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 29.81 dB

ABM1 comp = -12.71 dBA/m

Location: 4.2, -16.7, 3.7 mm



0 dB = 30.93 = 29.81 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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$   
Ambient Temperature : 23.4 °C

### DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

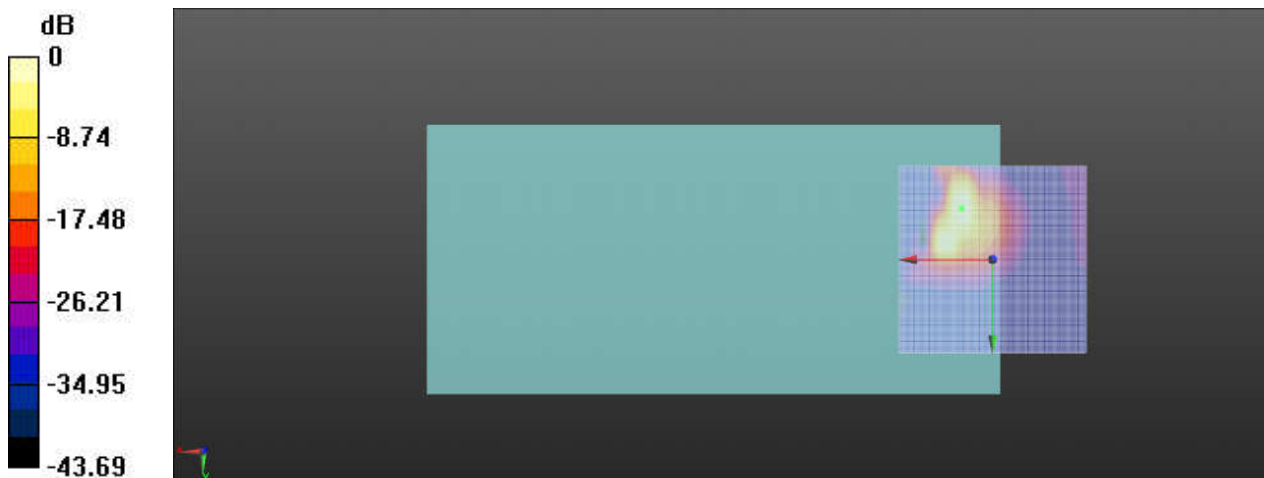
### Ch661/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 26.92 dB

ABM1 comp = -5.28 dBA/m

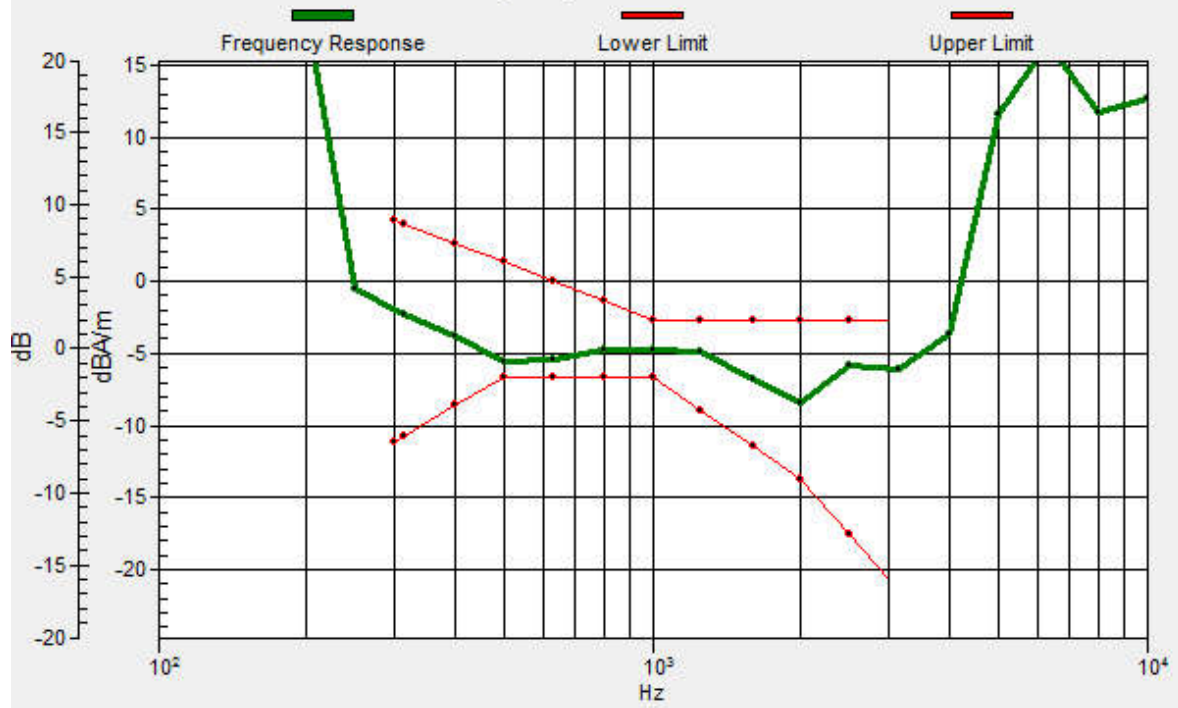
Location: 8.3, -13.8, 3.7 mm



0 dB = 22.19 = 26.92 dB

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

Loc: 8.3, -13.6, 3.7 mm Diff: 1.18dB



## 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:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C

### DASY5 Configuration:

- Probe: AM1DV3 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

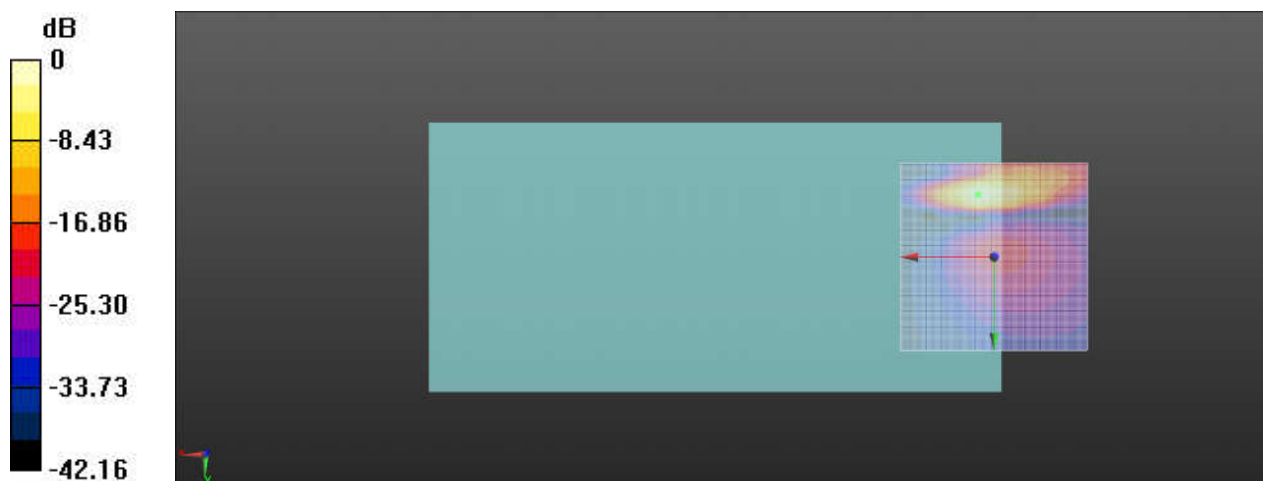
### Ch661/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 30.26 dB

ABM1 comp = -12.72 dBA/m

Location: 4.2, -16.7, 3.7 mm



0 dB = 32.59 = 30.26 dB

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

Communication System: UID 0, UMTS (0); Frequency: 836.4 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

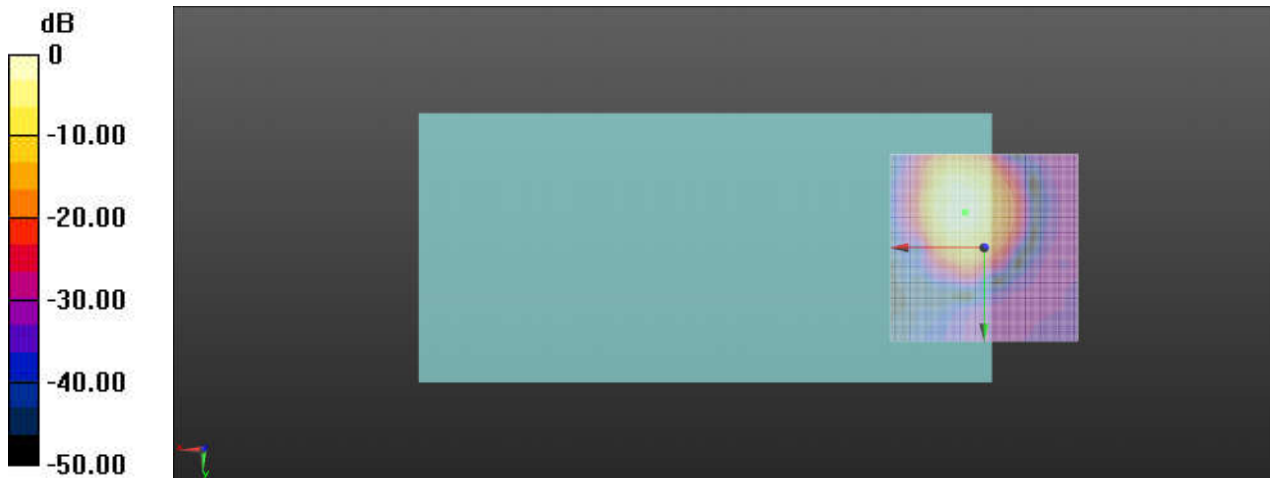
#### Ch4182/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 42.73 dB

ABM1 comp = -6.01 dBA/m

Location: 5, -9.6, 3.7 mm



0 dB = 136.9 = 42.73 dB

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

Loc: 5, -9.4, 3.7 mm Diff: 0.49dB





### 03\_HAC T-Coil\_WCDMA V\_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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

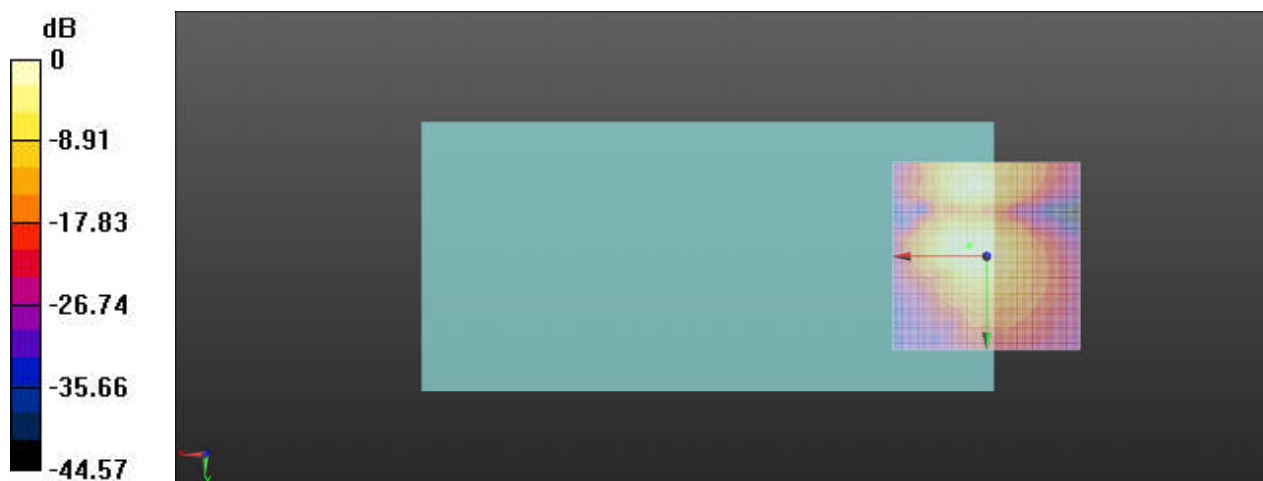
#### Ch4182/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 39.90 dB

ABM1 comp = -13.03 dBA/m

Location: 4.6, -2.9, 3.7 mm



0 dB = 98.86 = 39.90 dB

### 04\_HAC T-Coil\_WCDMA IV\_Ch1413\_Z

Communication System: UID 0, UMTS (0); Frequency: 1732.6 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

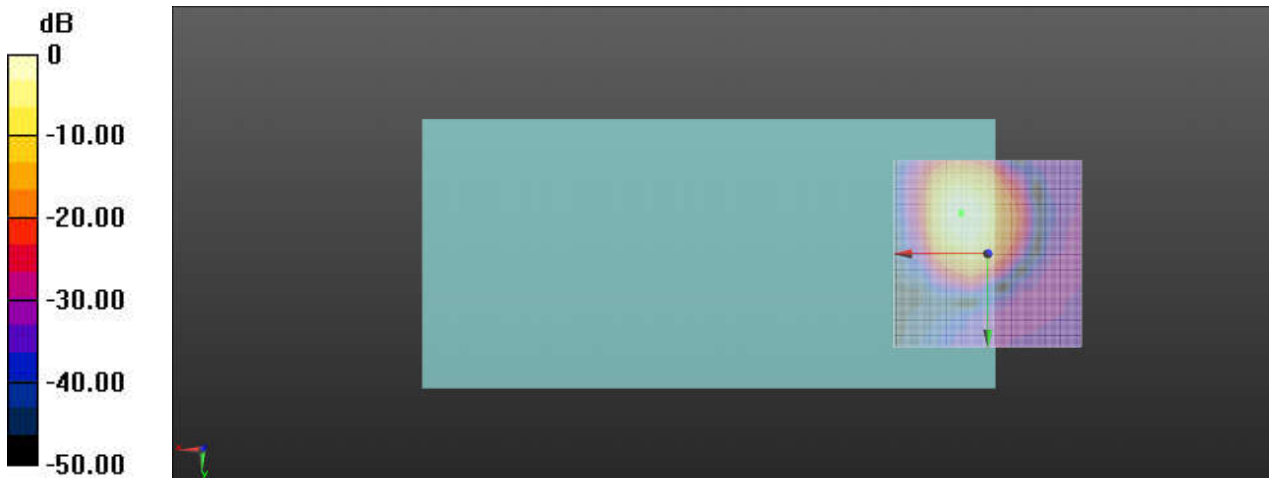
#### Ch1413/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 44.08 dB

ABM1 comp = -3.91 dBA/m

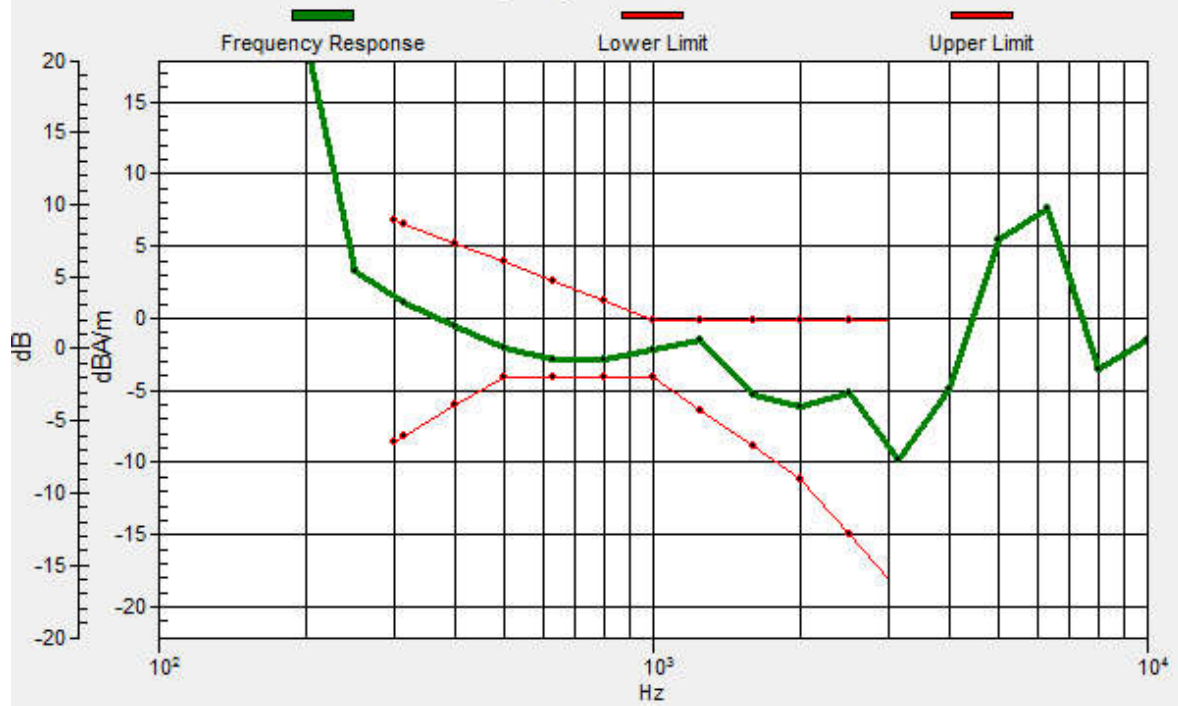
Location: 7.1, -10.8, 3.7 mm



0 dB = 160.0 = 44.08 dB

# Ch1413/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 7, -10.8, 3.7 mm Diff: 1.25dB



### 04\_HAC T-Coil\_WCDMA IV\_Ch1413\_Y

Communication System: UID 0, UMTS (0); Frequency: 1732.6 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

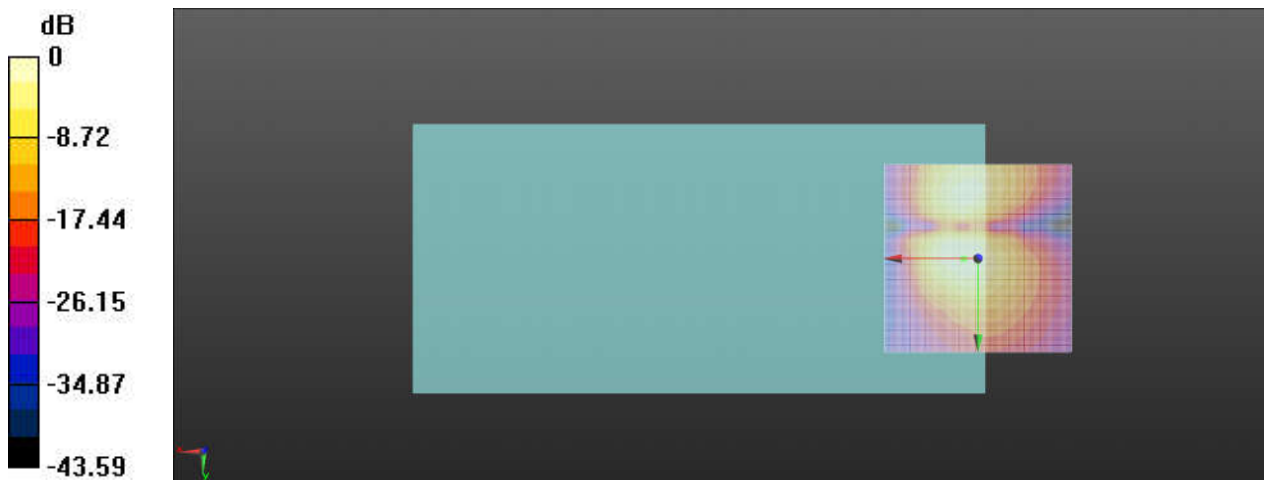
#### Ch1413/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 41.05 dB

ABM1 comp = -12.69 dBA/m

Location: 3.8, 0, 3.7 mm



0 dB = 112.8 = 41.05 dB

### 05\_HAC T-Coil\_WCDMA II\_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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

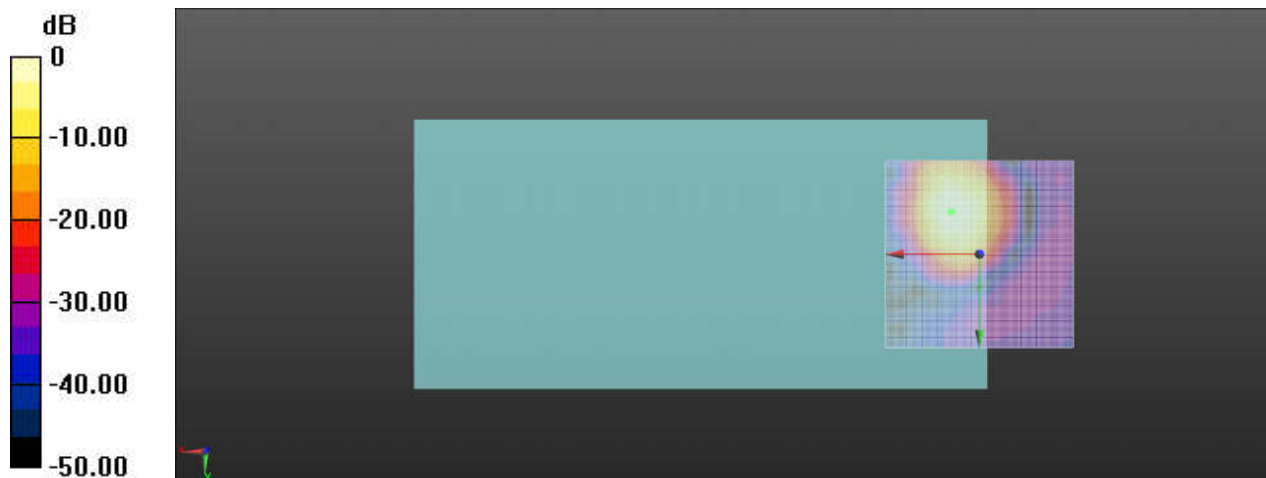
#### Ch9400/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 42.27 dB

ABM1 comp = -3.50 dBA/m

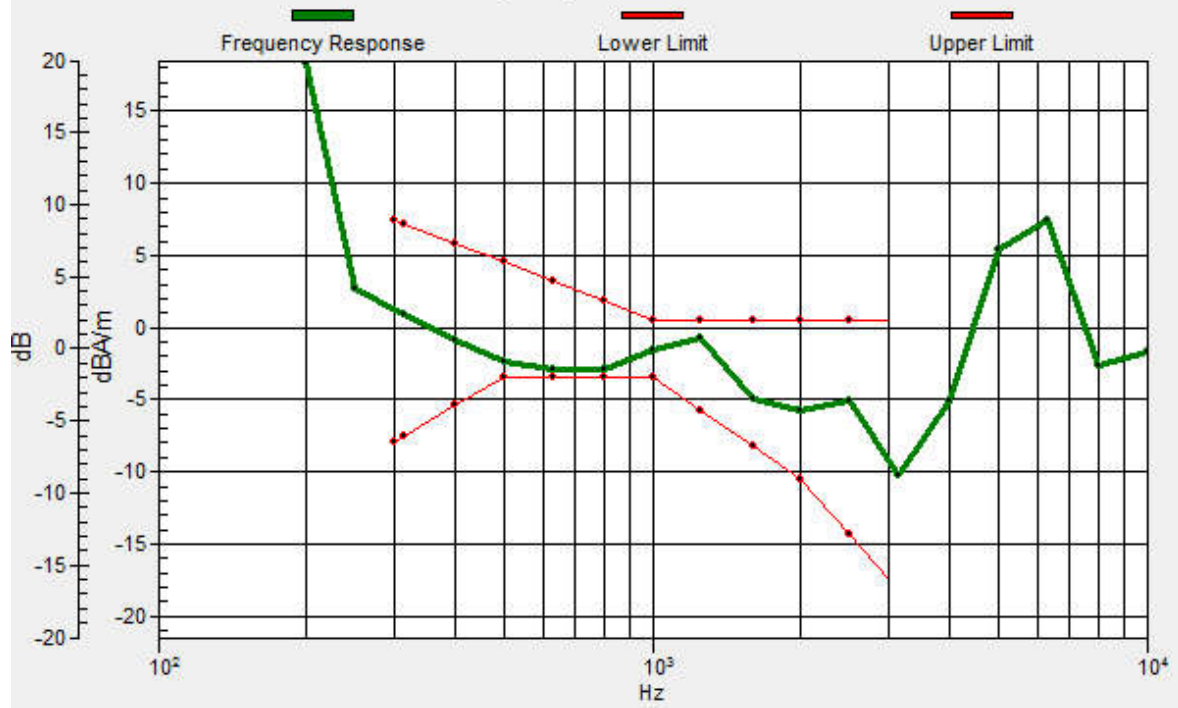
Location: 7.5, -11.3, 3.7 mm



0 dB = 129.9 = 42.27 dB

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

Loc: 7.6, -11.4, 3.7 mm Diff: 0.52dB



### 05\_HAC T-Coil\_WCDMA II\_Ch9400\_Y

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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

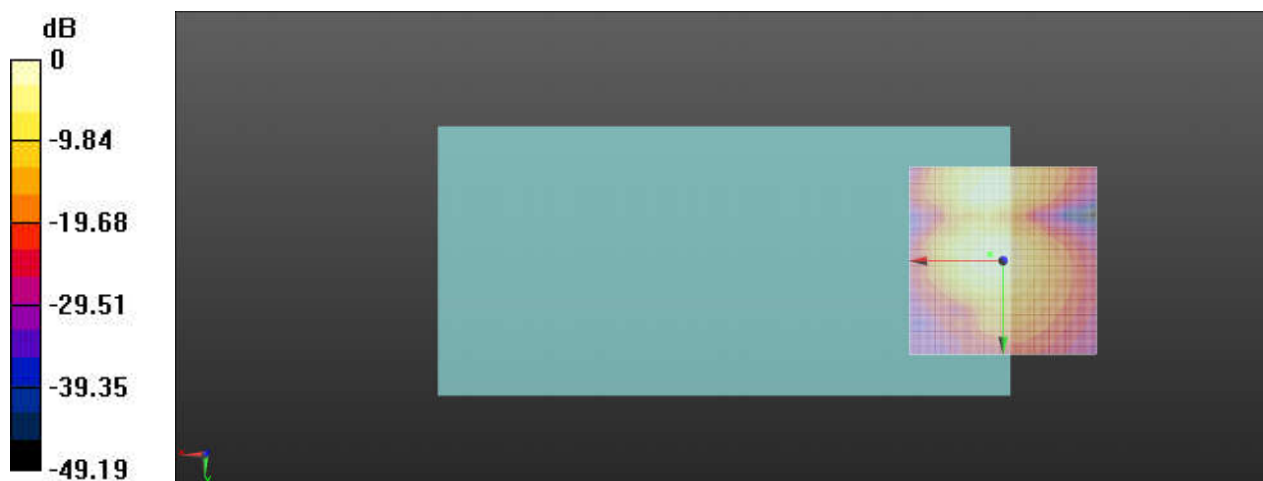
#### Ch9400/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 39.83 dB

ABM1 comp = -13.17 dBA/m

Location: 3.3, -1.7, 3.7 mm



0 dB = 98.07 = 39.83 dB

### 06\_HAC T-Coil\_LTE Band 7\_20M\_QPSK\_100RB\_0Offset\_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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

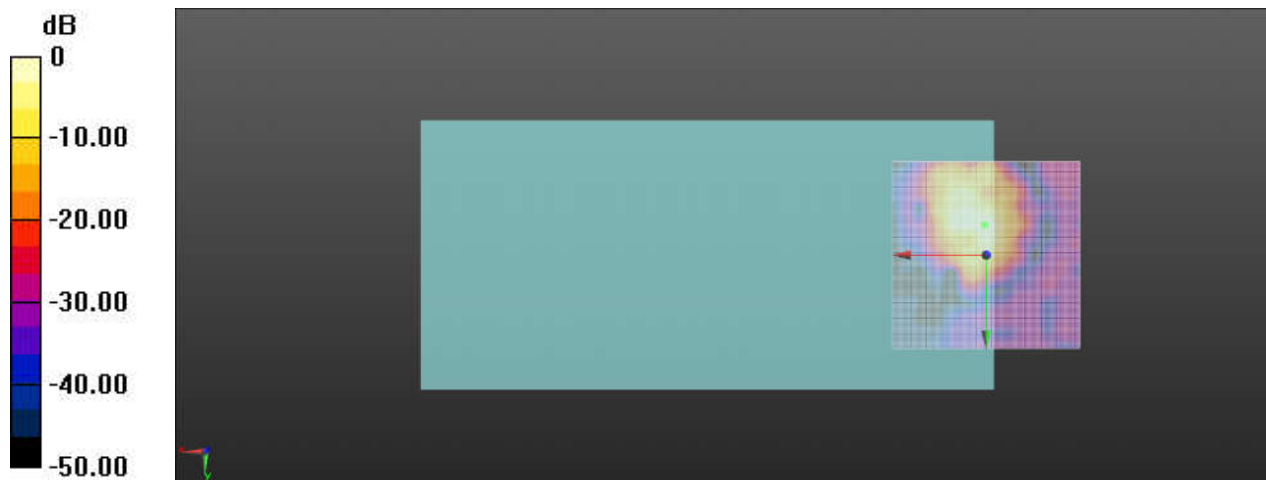
#### Ch21100/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 41.21 dB

ABM1 comp = -7.55 dBA/m

Location: 0.4, -7.9, 3.7 mm

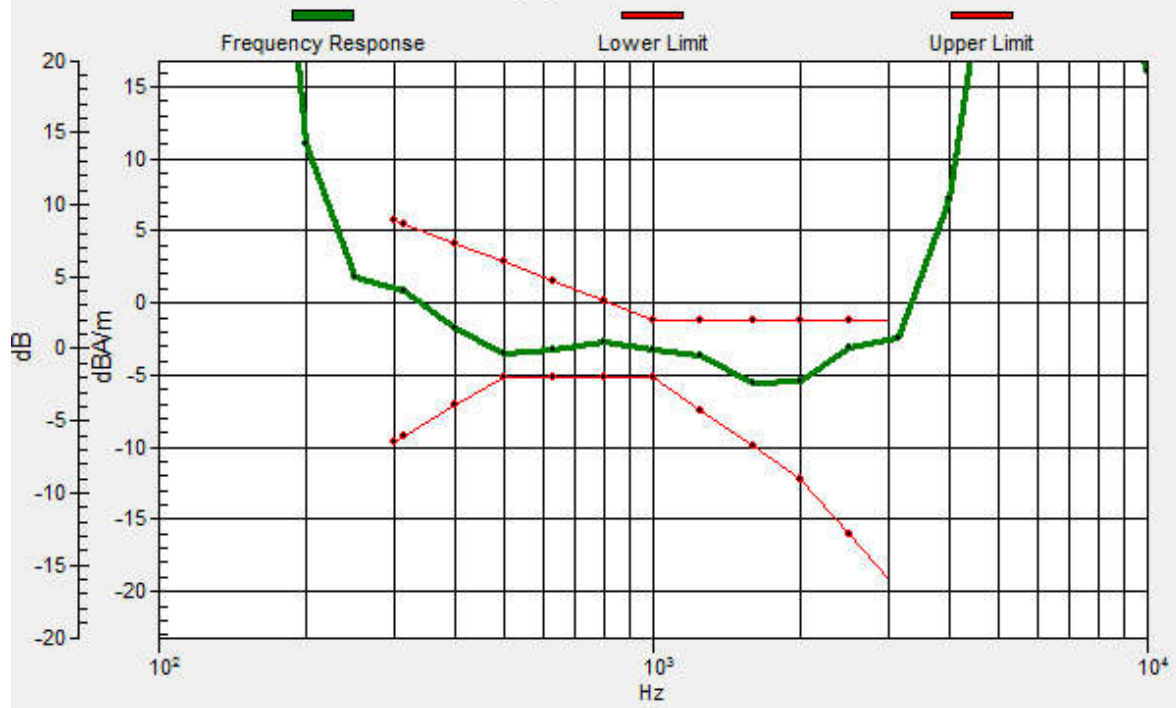


0 dB = 115.0 = 41.21 dB



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

Loc: 0.5, -8, 3.7 mm Diff: 1.43dB



### 06\_HAC T-Coil\_LTE Band 7\_20M\_QPSK\_100RB\_0Offset\_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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

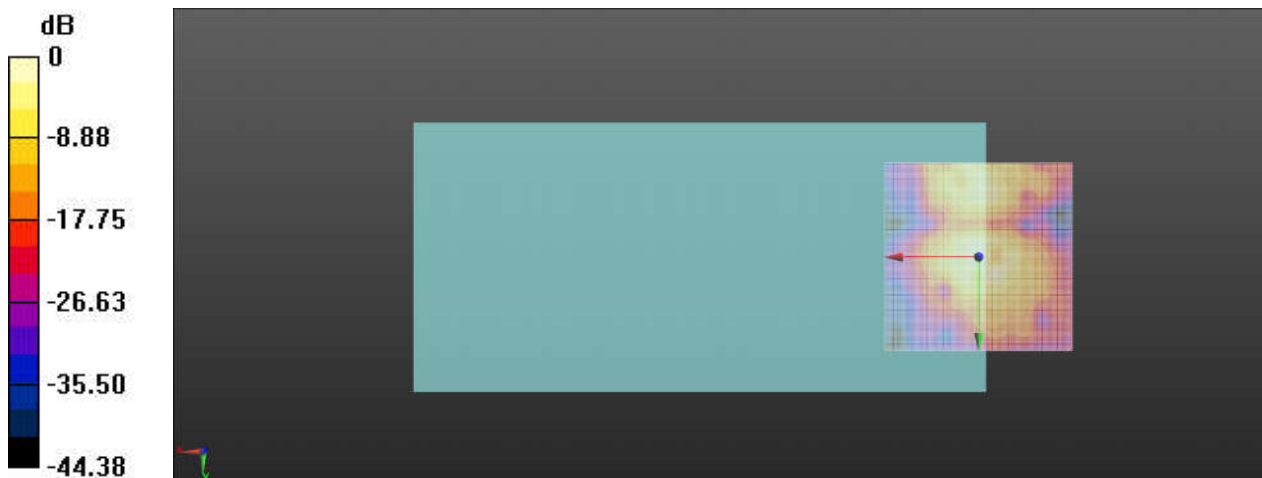
#### Ch21100/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 38.88 dB

ABM1 comp = -12.69 dBA/m

Location: 0.4, -0.4, 3.7 mm



0 dB = 87.88 = 38.88 dB

### 07\_HAC T-Coil\_LTE Band 12\_10M\_QPSK\_50RB\_0Offset\_Ch23095\_Z

Communication System: UID 0, LTE (0); Frequency: 707.5 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

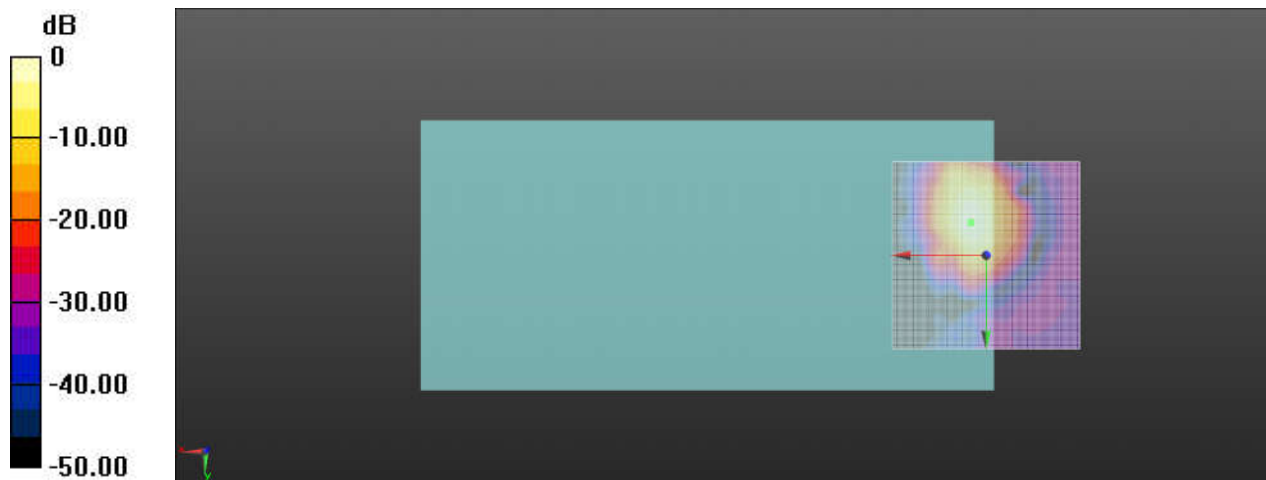
#### Ch23095/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 49.08 dB

ABM1 comp = 0.20 dBA/m

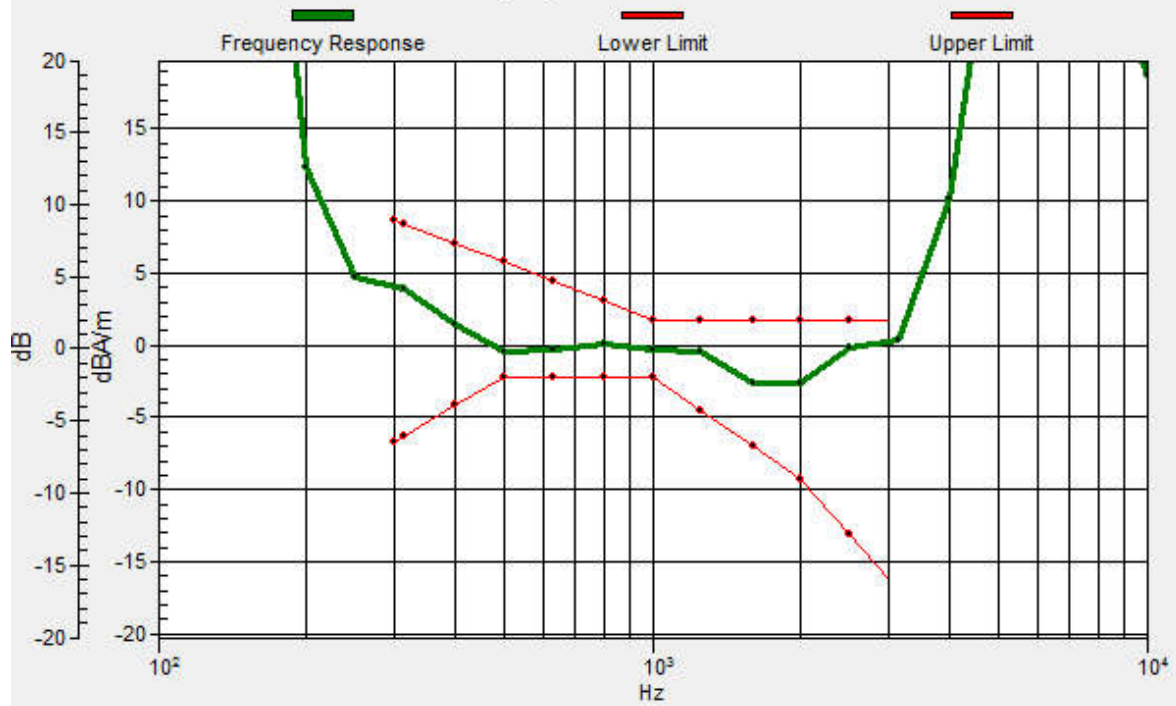
Location: 4.2, -8.8, 3.7 mm



0 dB = 284.5 = 49.08 dB

# Ch23095/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4, -8.7, 3.7 mm Diff: 1.48dB



### 07\_HAC T-Coil\_LTE Band 12\_10M\_QPSK\_50RB\_0Offset\_Ch23095\_Y

Communication System: UID 0, LTE (0); Frequency: 707.5 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

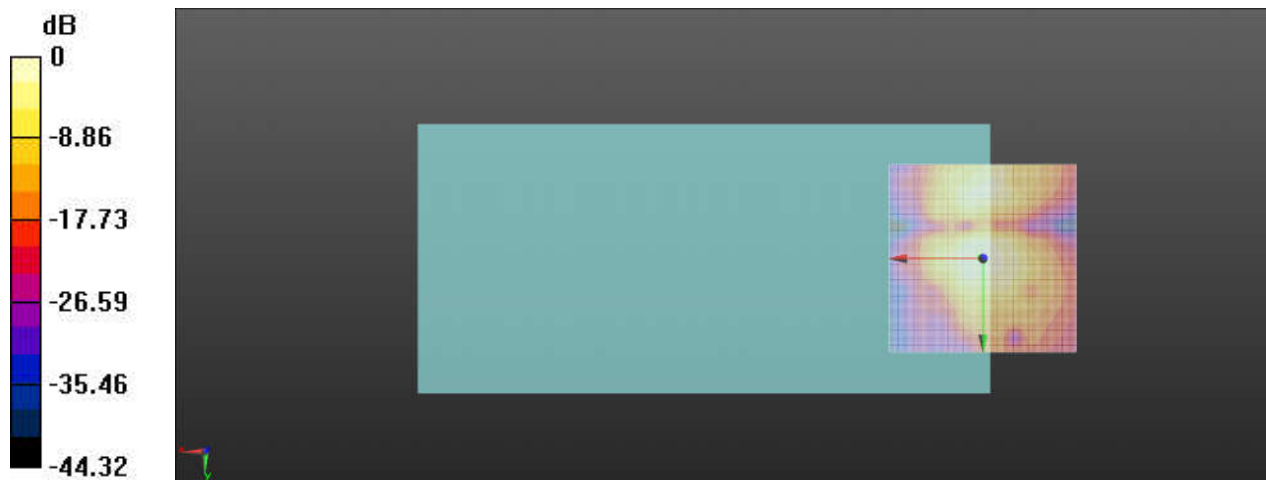
#### Ch23095/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 41.76 dB

ABM1 comp = -8.81 dBA/m

Location: 0.8, -0.4, 3.7 mm



0 dB = 122.4 = 41.76 dB

### 08\_HAC T-Coil\_LTE Band 13\_10M\_QPSK\_50RB\_0Offset\_Ch23230\_Z

Communication System: UID 0, LTE (0); Frequency: 782 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

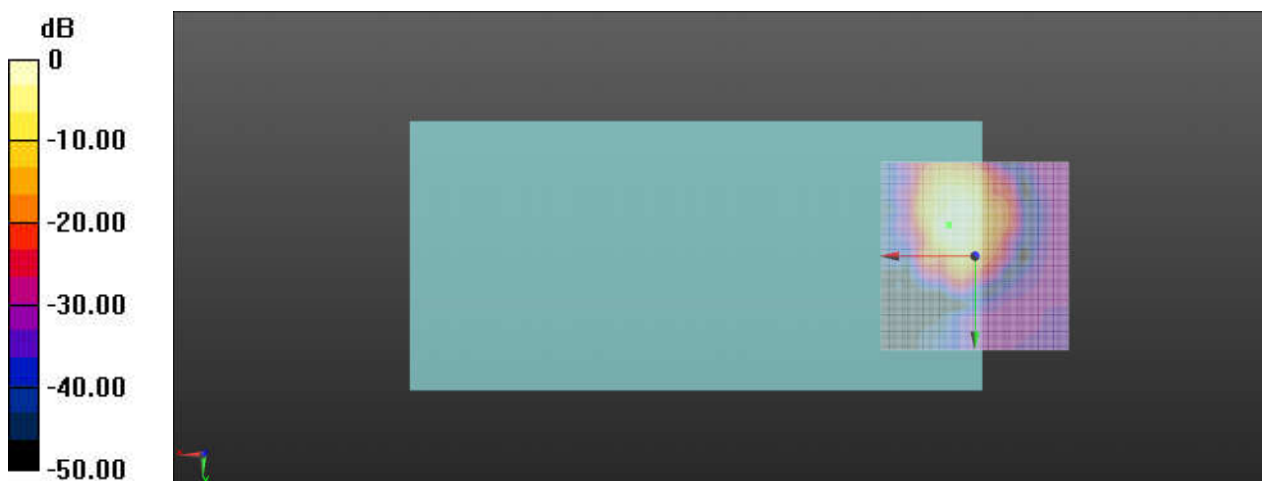
#### Ch23230/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 47.66 dB

ABM1 comp = 0.43 dBA/m

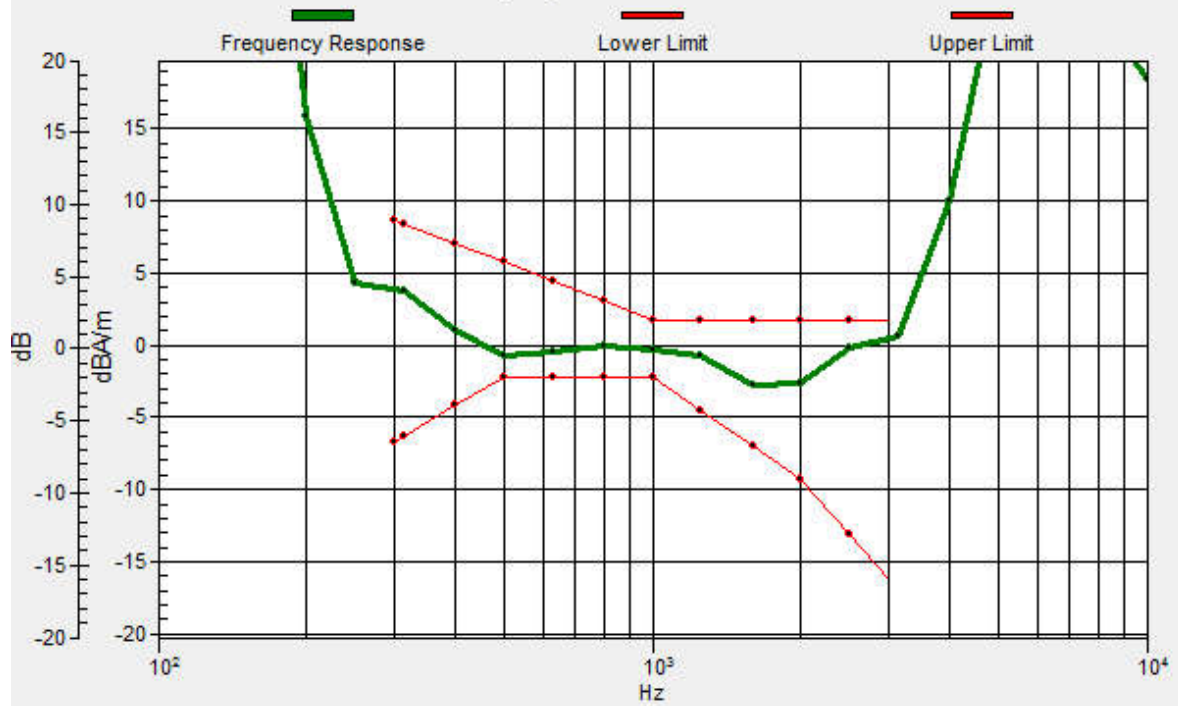
Location: 7.1, -8.3, 3.7 mm



0 dB = 241.6 = 47.66 dB

# Ch23230/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 7, -8.3, 3.7 mm Diff: 1.28dB



### 08\_HAC T-Coil\_LTE Band 13\_10M\_QPSK\_50RB\_0Offset\_Ch23230\_Y

Communication System: UID 0, LTE (0); Frequency: 782 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

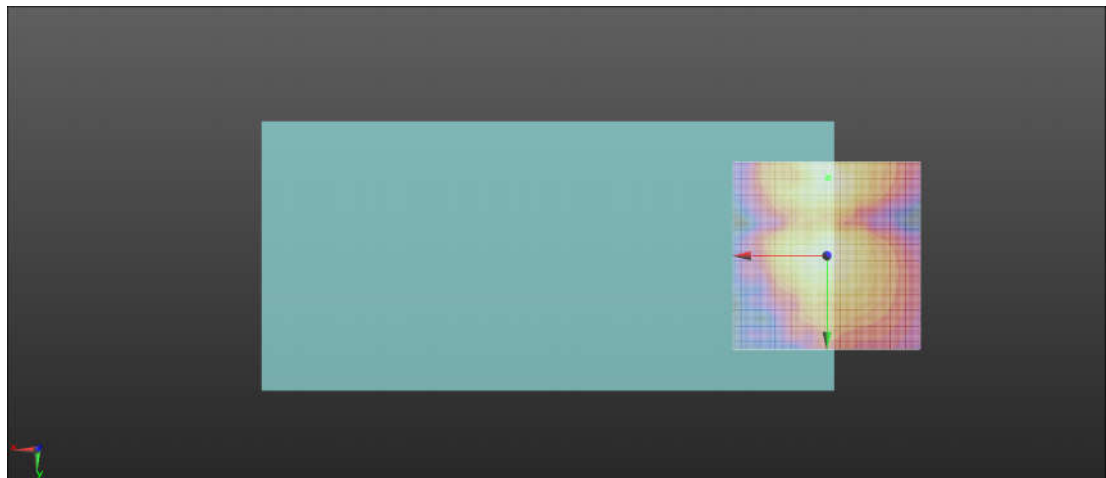
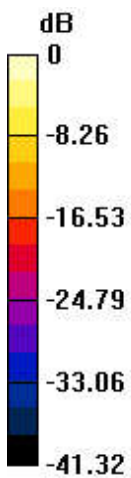
#### Ch23230/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 42.35 dB

ABM1 comp = -10.70 dBA/m

Location: -0.4, -20.8, 3.7 mm



0 dB = 131.1 = 42.35 dB



### 09\_HAC T-Coil\_LTE Band 14\_10M\_QPSK\_50RB\_0Offset\_Ch23330\_Z

Communication System: UID 0, LTE (0); Frequency: 793 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

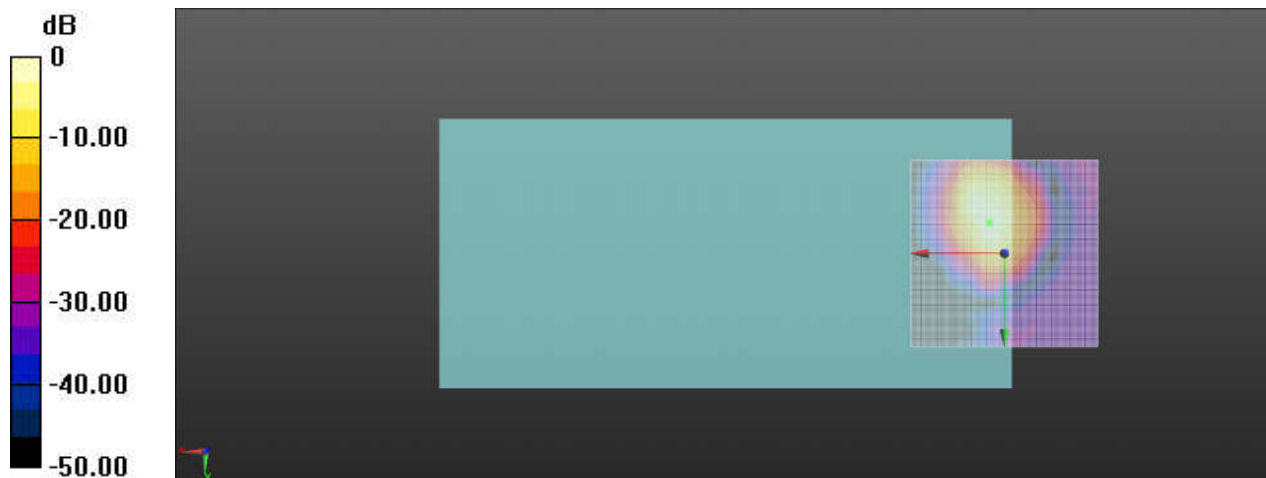
#### Ch23330/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 49.40 dB

ABM1 comp = -0.59 dBA/m

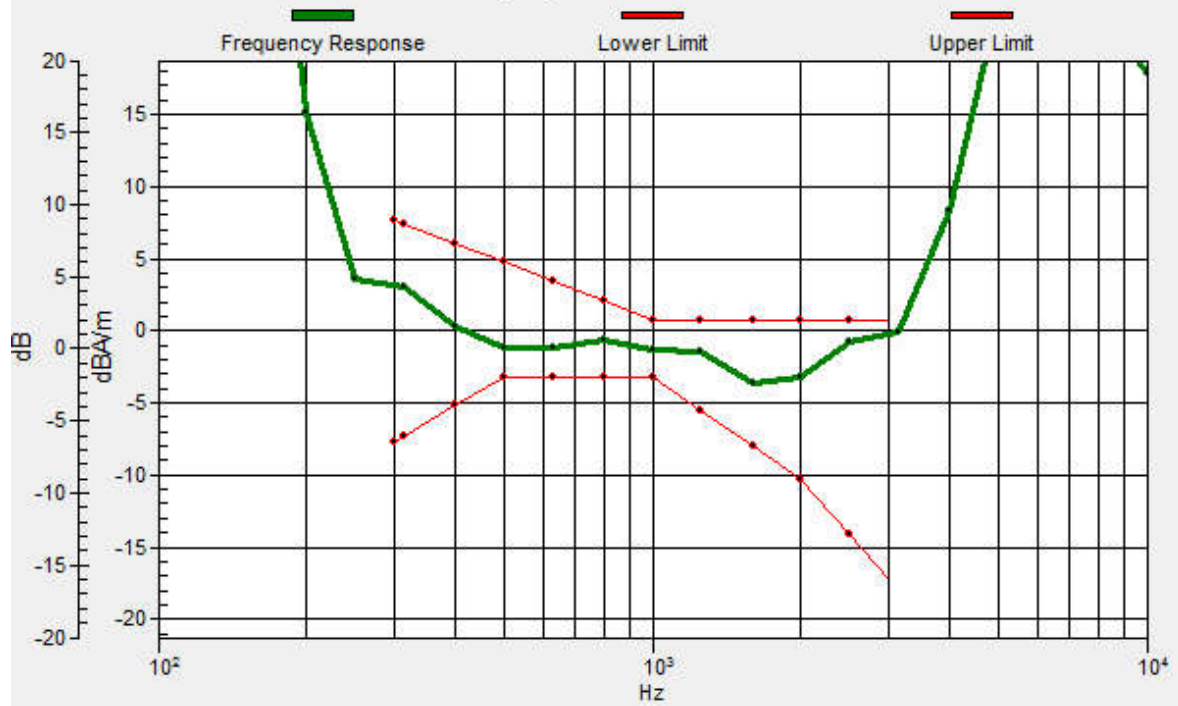
Location: 4.2, -8.3, 3.7 mm



0 dB = 295.1 = 49.40 dB

# Ch23330/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4, -8.2, 3.7 mm Diff: 0.99dB



### 09\_HAC T-Coil\_LTE Band 14\_10M\_QPSK\_50RB\_0Offset\_Ch23330\_Y

Communication System: UID 0, LTE (0); Frequency: 793 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

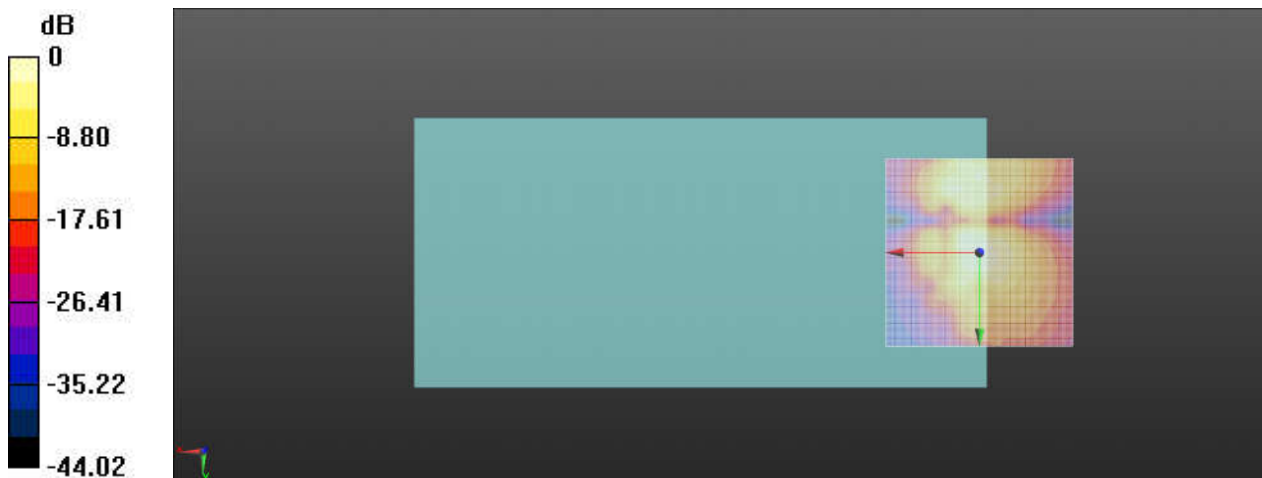
#### Ch23330/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 42.00 dB

ABM1 comp = -9.71 dBA/m

Location: 0, 0, 3.7 mm



0 dB = 126.0 = 42.01 dB

### 10\_HAC T-Coil\_LTE Band 25\_20M\_QPSK\_100RB\_0Offset\_Ch26340\_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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

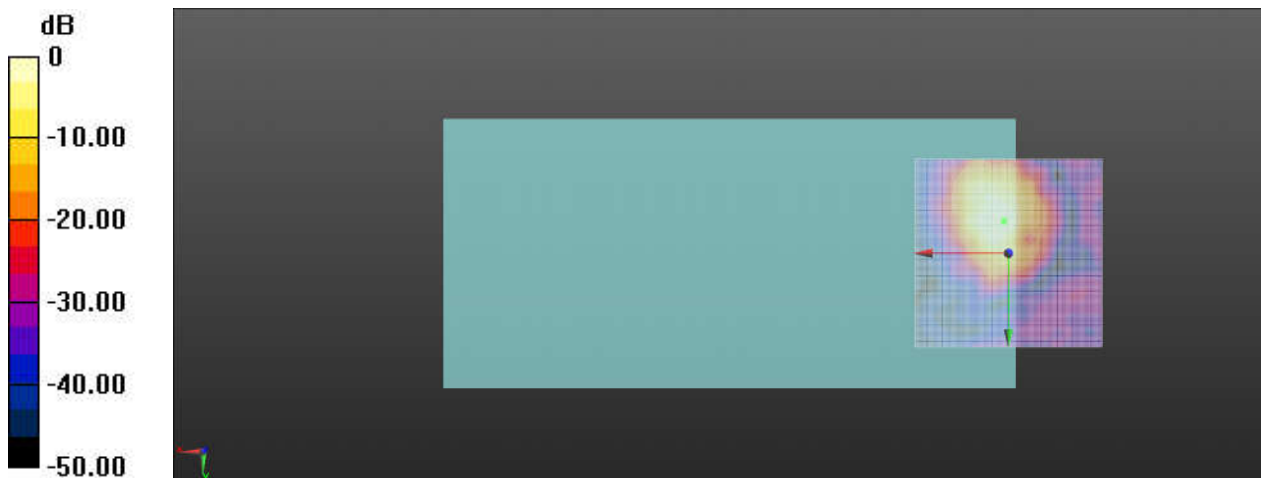
#### Ch26340/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 39.54 dB

ABM1 comp = -9.23 dBA/m

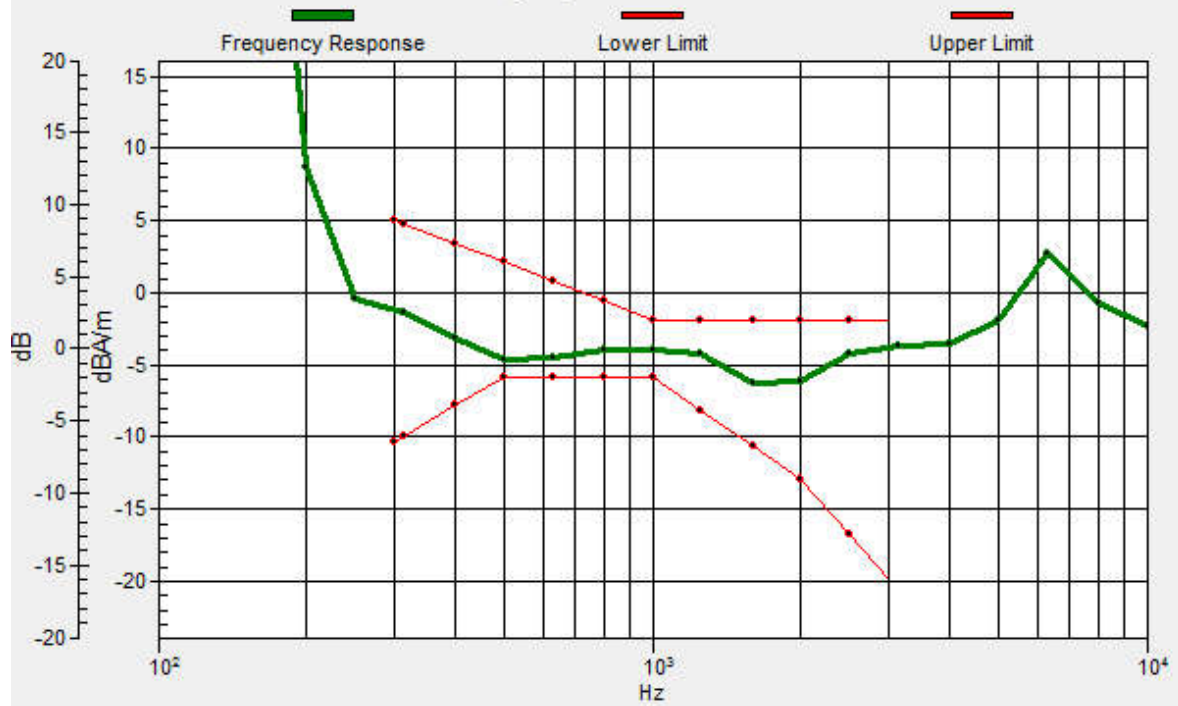
Location: 1.3, -8.8, 3.7 mm



0 dB = 94.87 = 39.54 dB

# Ch26340/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 1.2, -8.5, 3.7 mm Diff: 1.26dB



### 10\_HAC T-Coil\_LTE Band 25\_20M\_QPSK\_100RB\_0Offset\_Ch26340\_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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

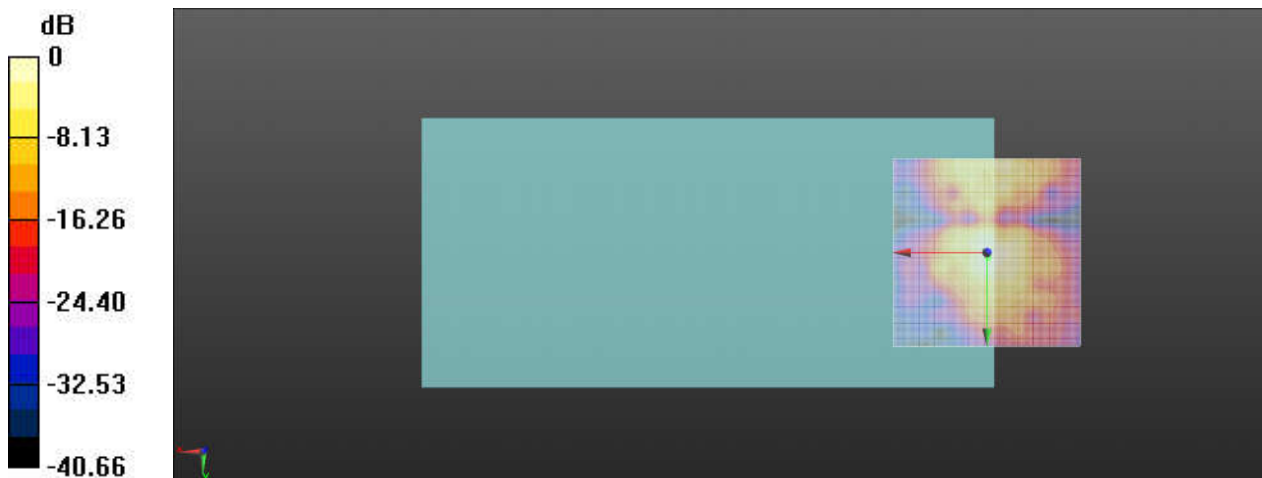
#### Ch26340/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 34.89 dB

ABM1 comp = -17.36 dBA/m

Location: -0.4, 1.2, 3.7 mm



0 dB = 55.51 = 34.89 dB

### 11\_HAC T-Coil\_LTE Band 26\_15M\_QPSK\_75RB\_0Offset\_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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

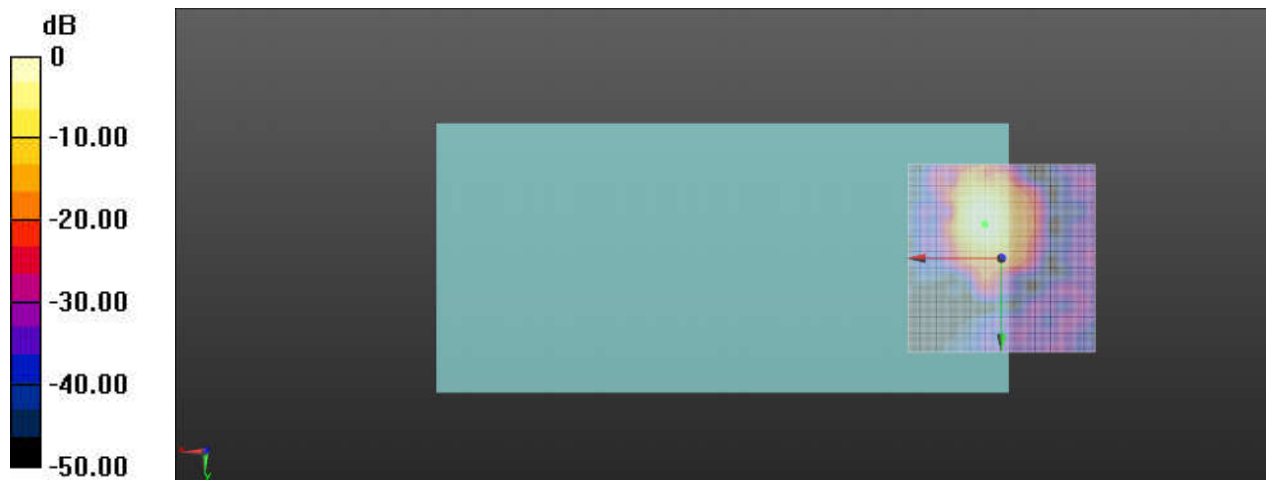
#### Ch26865/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 44.29 dB

ABM1 comp = -4.30 dBA/m

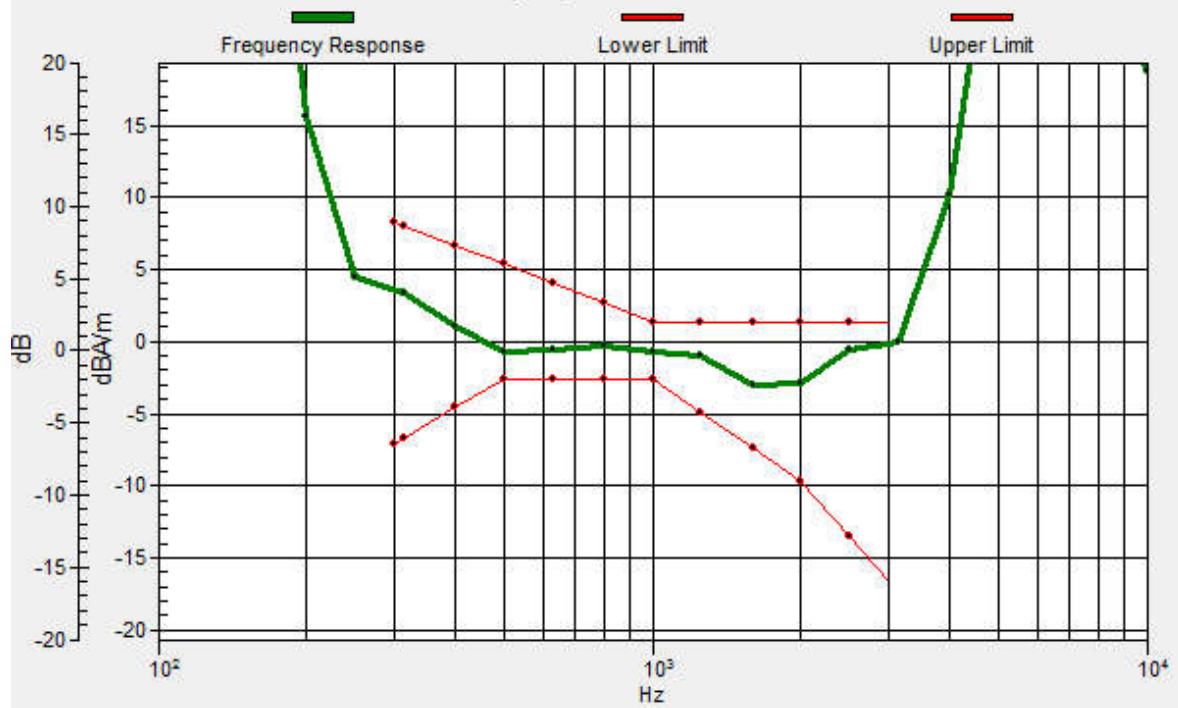
Location: 4.6, -9.2, 3.7 mm



0 dB = 163.8 = 44.29 dB

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

Loc: 4.3, -9.1, 3.7 mm Diff: 1.52dB





### 11\_HAC T-Coil\_LTE Band 26\_15M\_QPSK\_75RB\_0Offset\_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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

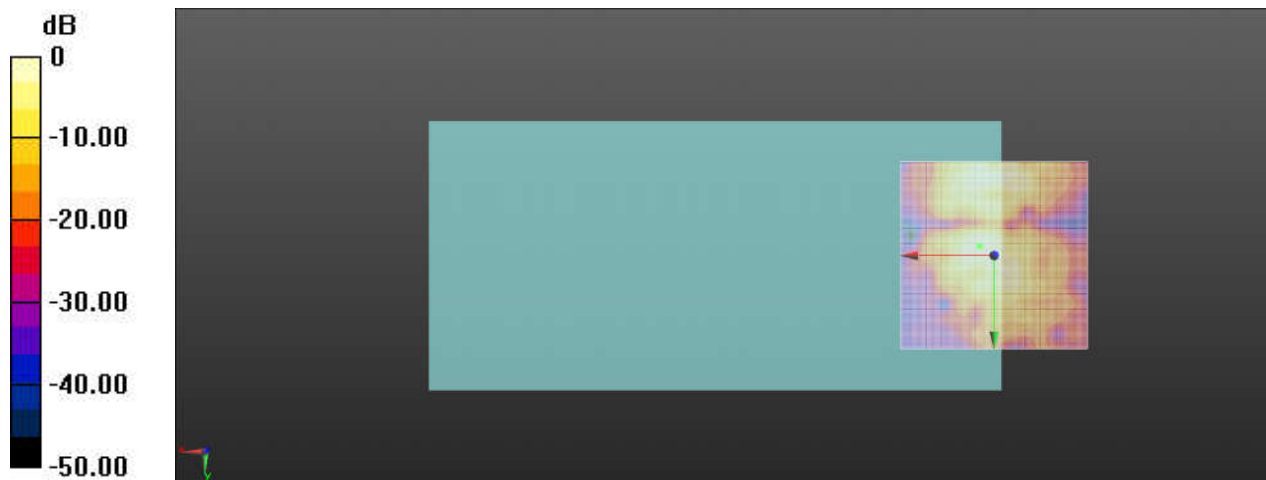
#### Ch26865/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 38.22 dB

ABM1 comp = -12.18 dBA/m

Location: 3.8, -2.5, 3.7 mm



## 12\_HAC T-Coil\_LTE Band 30\_10M\_QPSK\_50RB\_0Offset\_Ch27710\_Z

Communication System: UID 0, LTE (0); Frequency: 2310 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

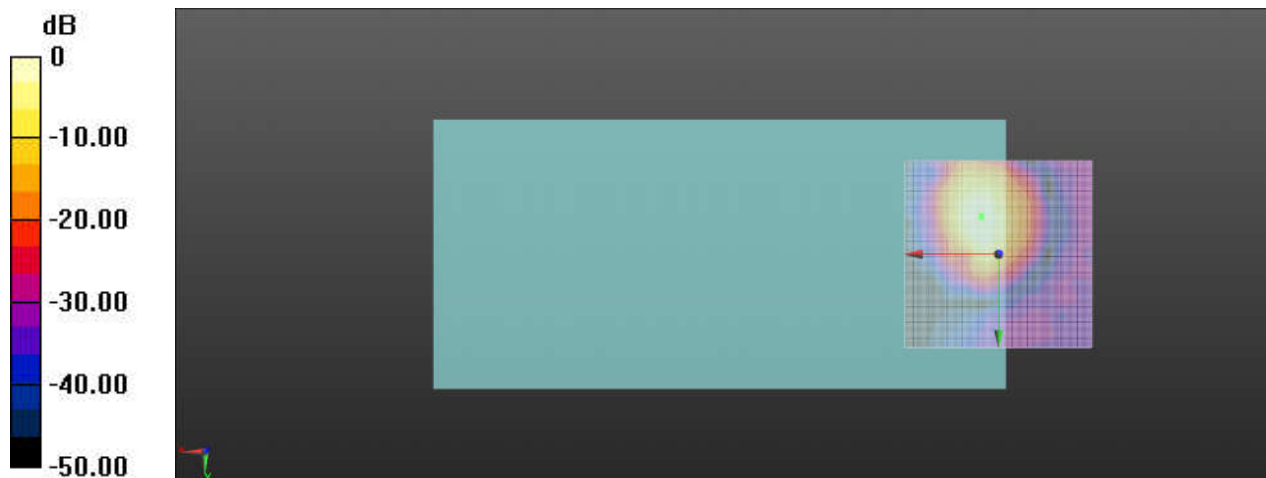
### Ch27710/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 48.63 dB

ABM1 comp = -0.45 dBA/m

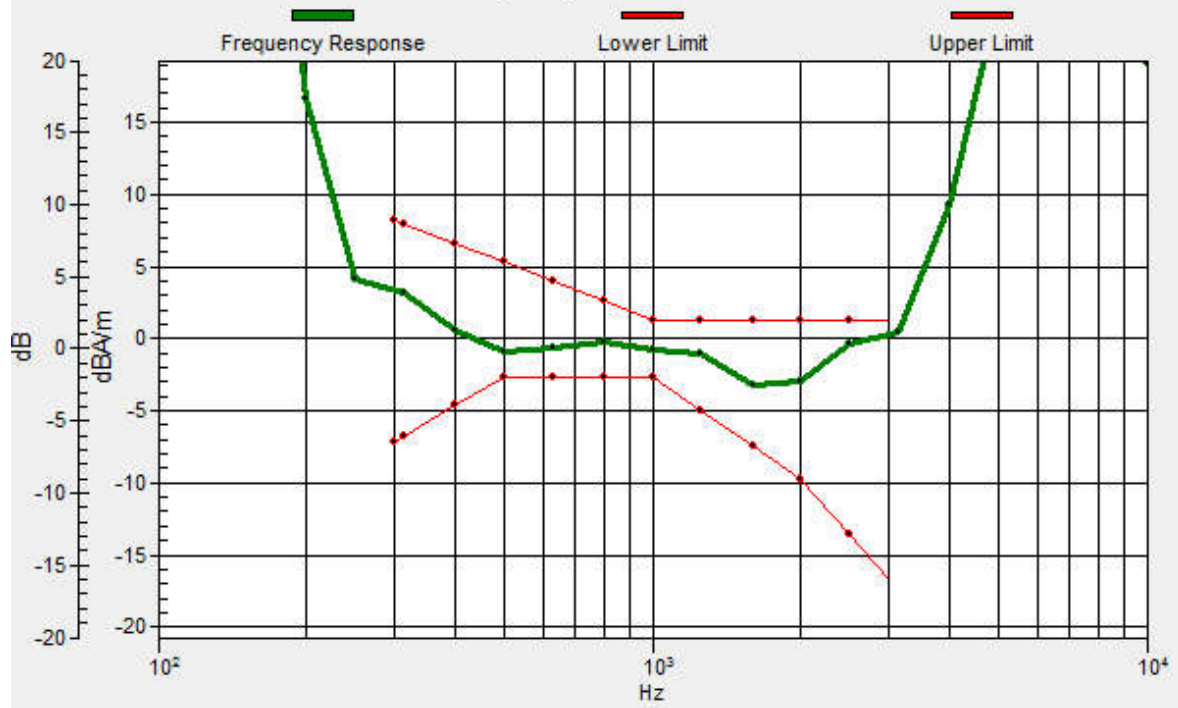
Location: 4.6, -10, 3.7 mm



0 dB = 269.9 = 48.62 dB

# Ch27710/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.6, -10.2, 3.7 mm Diff: 1.07dB



## 12\_HAC T-Coil\_LTE Band 30\_10M\_QPSK\_50RB\_0Offset\_Ch27710\_Y

Communication System: UID 0, LTE (0); Frequency: 2310 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

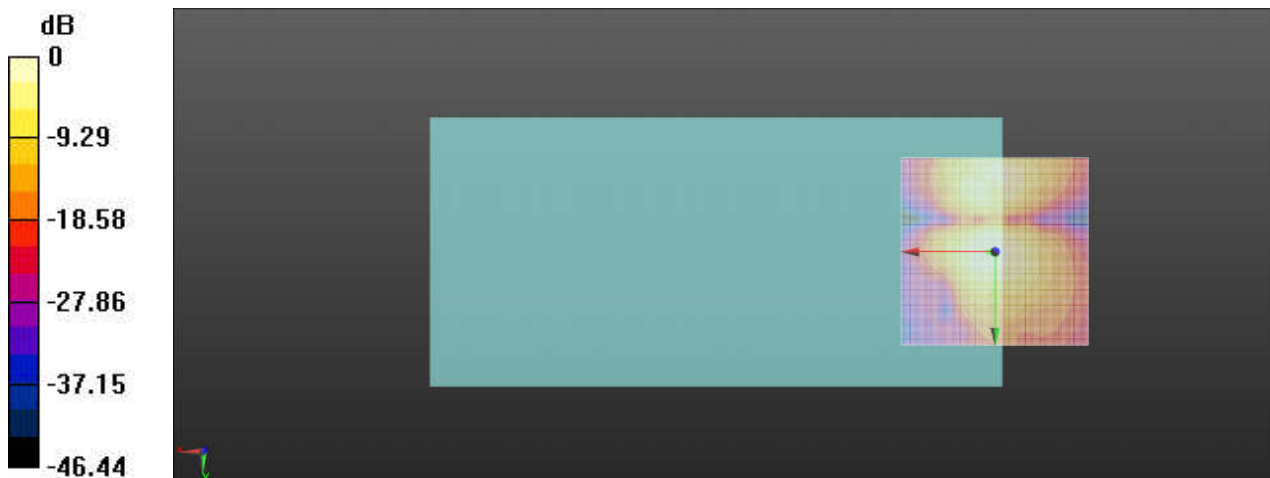
### Ch27710/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 42.41 dB

ABM1 comp = -8.70 dBA/m

Location: 1.7, 0, 3.7 mm



0 dB = 132.0 = 42.41 dB

### 13\_HAC T-Coil\_LTE Band 66\_20M\_QPSK\_100RB\_0Offset\_Ch132322\_Z

Communication System: UID 0, LTE (0); Frequency: 1745 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

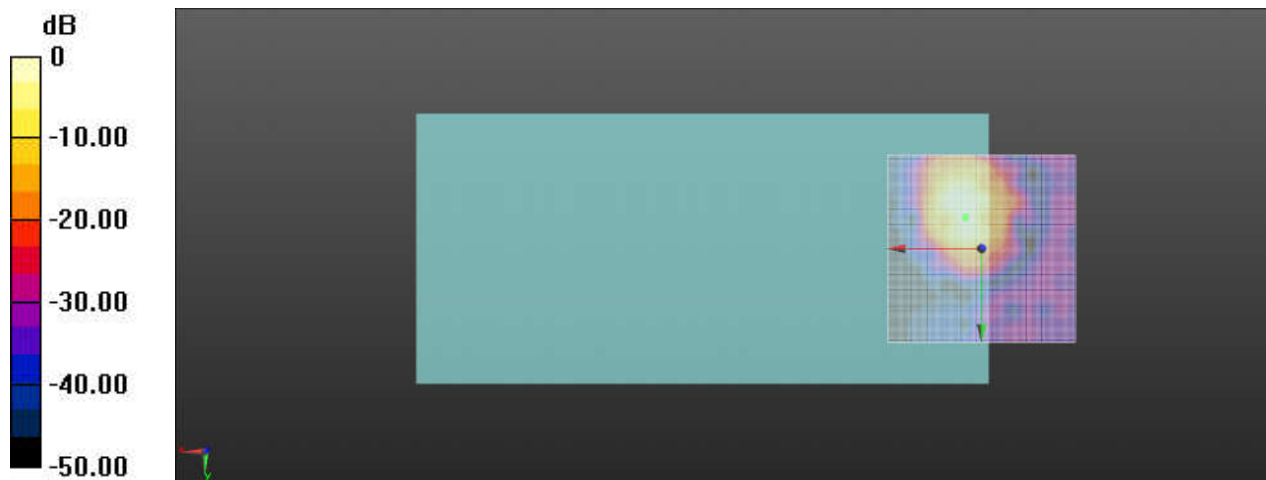
#### Ch132322/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 43.96 dB

ABM1 comp = -3.86 dBA/m

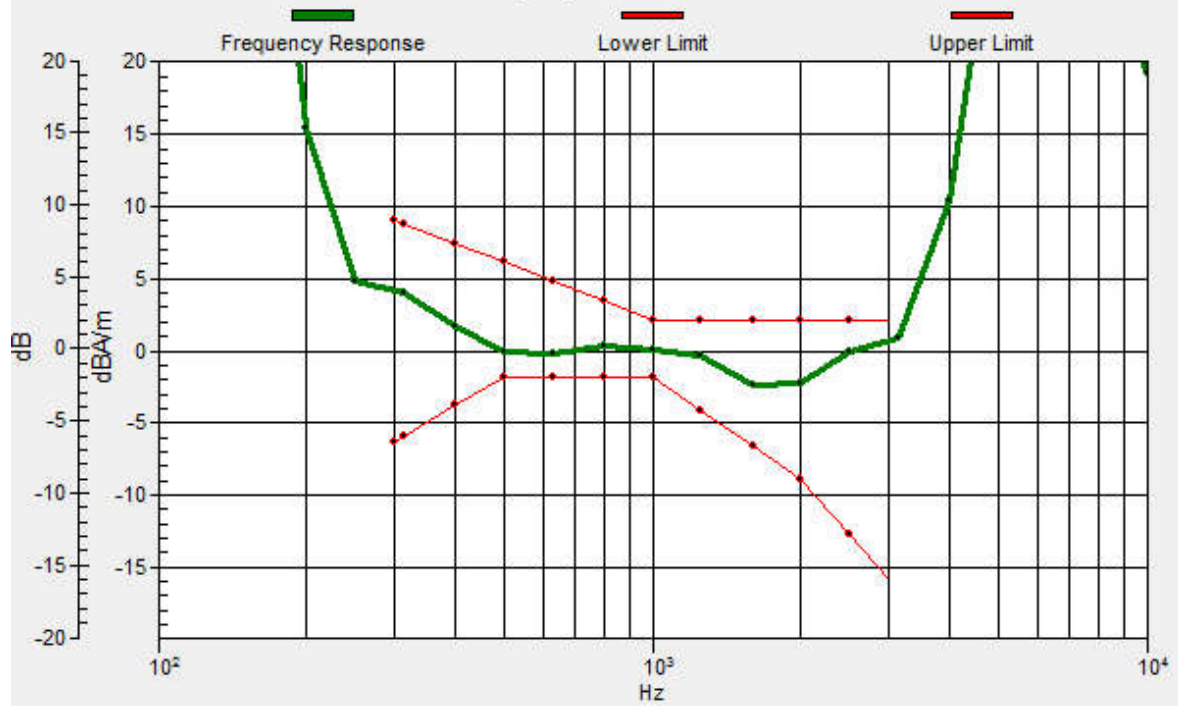
Location: 4.2, -8.3, 3.7 mm



0 dB = 157.8 = 43.96 dB

# Ch132322/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.2, -8.5, 3.7 mm Diff: 1.5dB



### 13\_HAC T-Coil\_LTE Band 66\_20M\_QPSK\_100RB\_0Offset\_Ch132322\_Y

Communication System: UID 0, LTE (0); Frequency: 1745 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

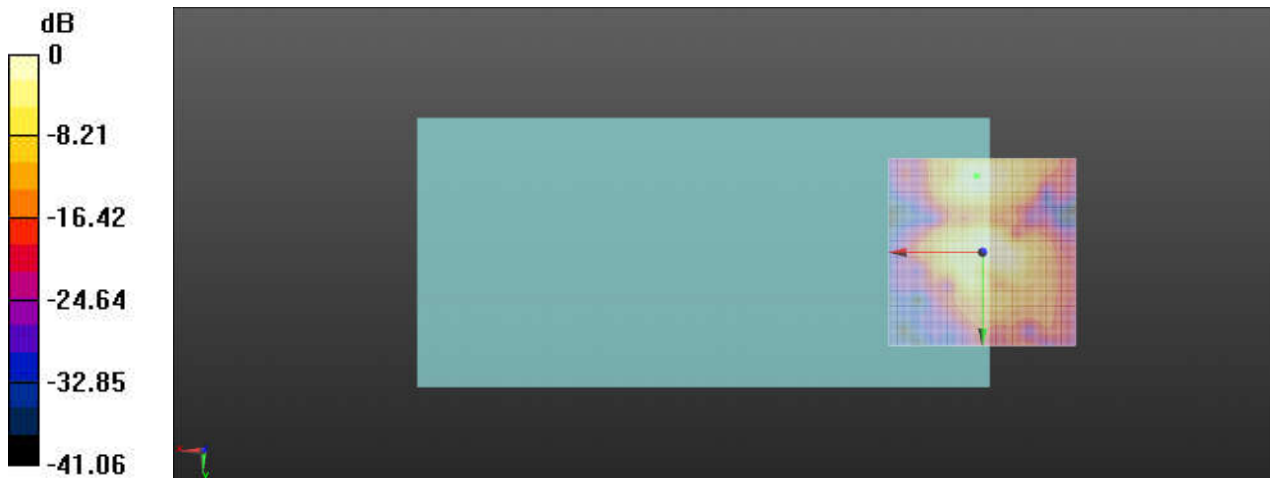
#### Ch132322/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

(121x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.99 dB

ABM1 comp = -12.56 dBA/m

Location: 1.7, -20.4, 3.7 mm



0 dB = 70.69 = 36.99 dB

### 14\_HAC T-Coil\_LTE Band 71\_20M\_QPSK\_100RB\_0Offset\_Ch133297\_Z

Communication System: UID 0, LTE (0); Frequency: 680.5 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

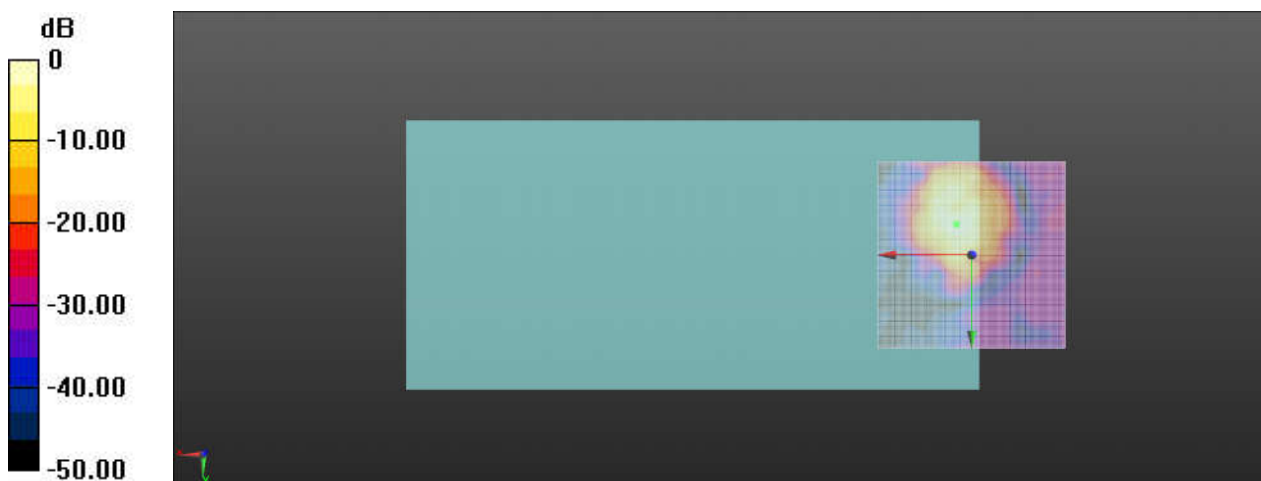
#### Ch133297/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 42.62 dB

ABM1 comp = -5.59 dBA/m

Location: 4.2, -8.3, 3.7 mm

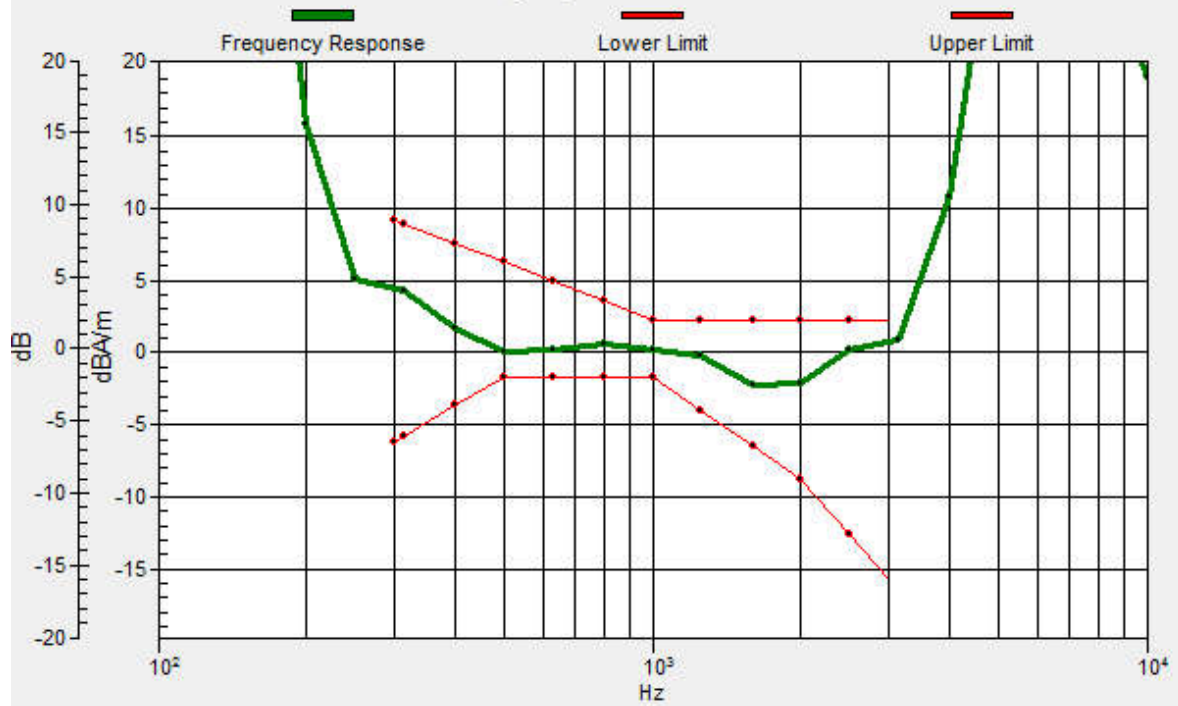


0 dB = 135.2 = 42.62 dB



# Ch133297/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 4.1, -8.2, 3.7 mm Diff: 1.58dB



### 14\_HAC T-Coil\_LTE Band 71\_20M\_QPSK\_100RB\_0Offset\_Ch133297\_Y

Communication System: UID 0, LTE (0); Frequency: 680.5 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

### Ch133297/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 = 38.15 dB

ABM1 comp = -13.58 dBA/m

Location: 0, 0.4, 3.7 mm



### 15\_HAC T-Coil\_LTE Band 41\_20M\_QPSK\_100RB\_0Offset\_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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

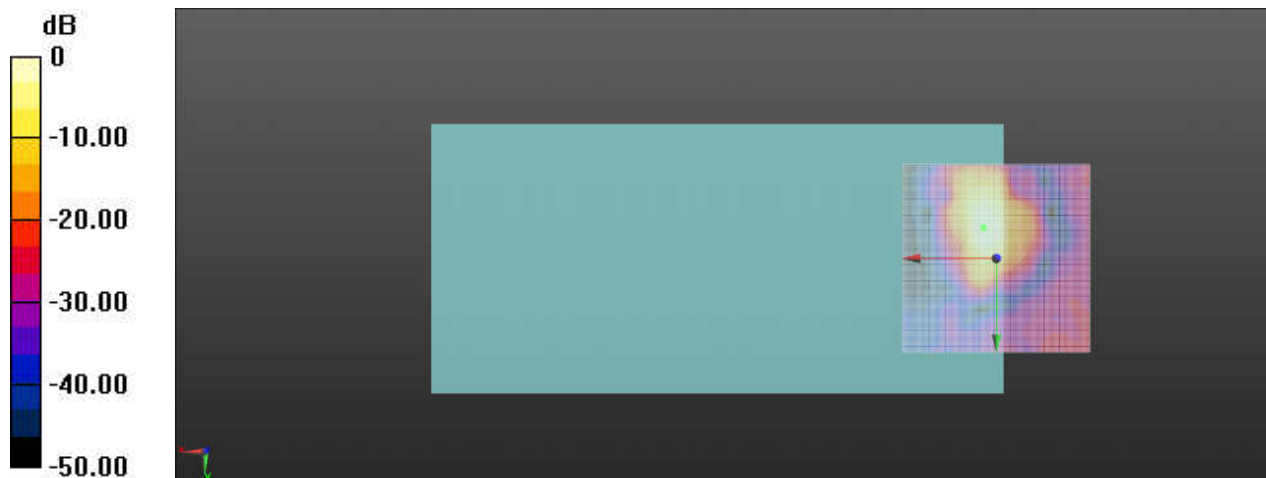
#### Ch40620/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 25.95 dB

ABM1 comp = -8.76 dBA/m

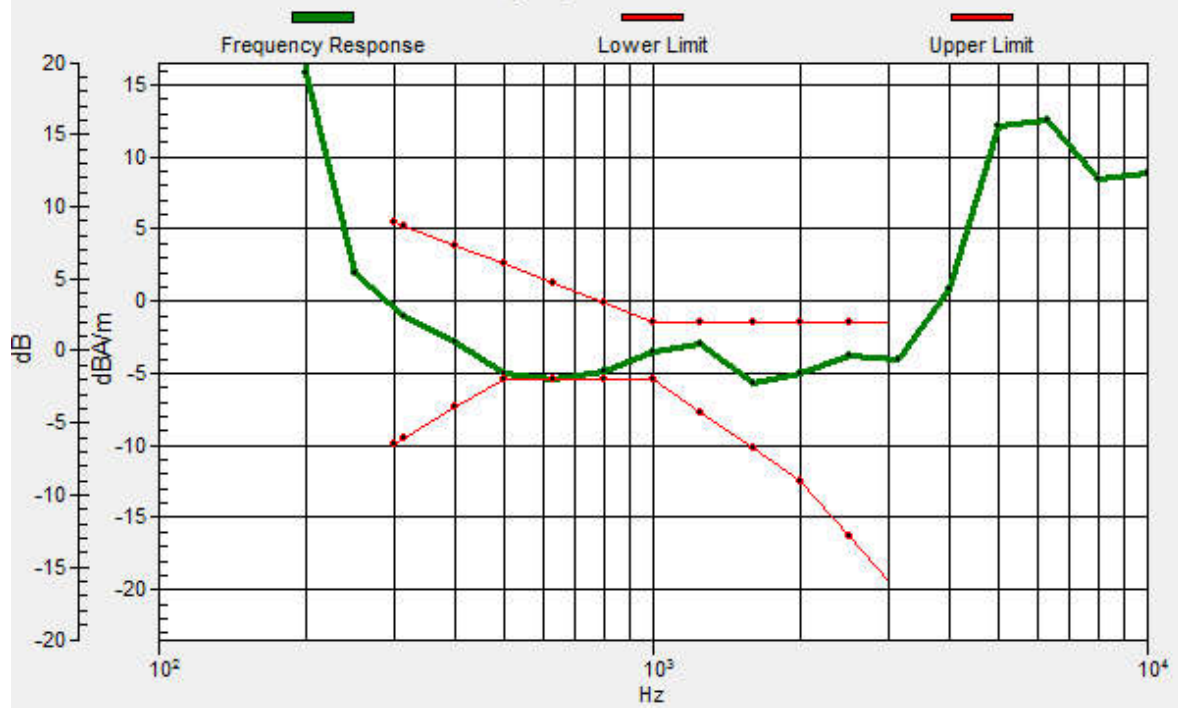
Location: 3.3, -8.3, 3.7 mm



0 dB = 19.83 = 25.95 dB

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

Loc: 3.4, -8.3, 3.7 mm Diff: 0.08dB



### 15\_HAC T-Coil\_LTE Band 41\_20M\_QPSK\_100RB\_0Offset\_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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

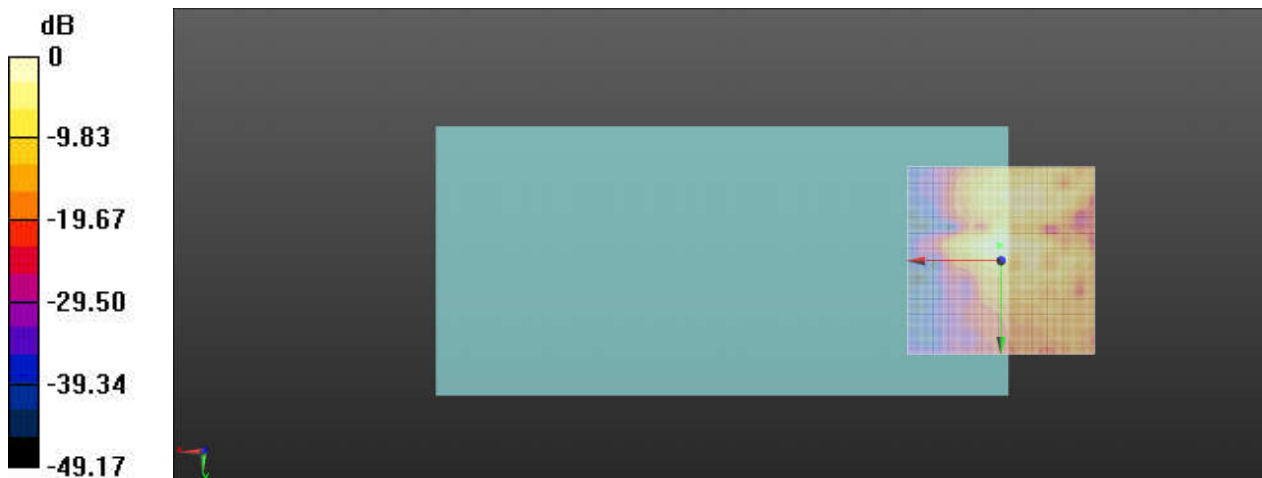
#### Ch40620/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 24.81 dB

ABM1 comp = -13.80 dBA/m

Location: 0.4, -4.2, 3.7 mm



0 dB = 17.39 = 24.81 dB

### 16\_HAC T-Coil\_LTE Band 48\_20M\_QPSK\_100RB\_0Offset\_Ch55830\_Z

Communication System: UID 0, LTE (0); Frequency: 3609 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

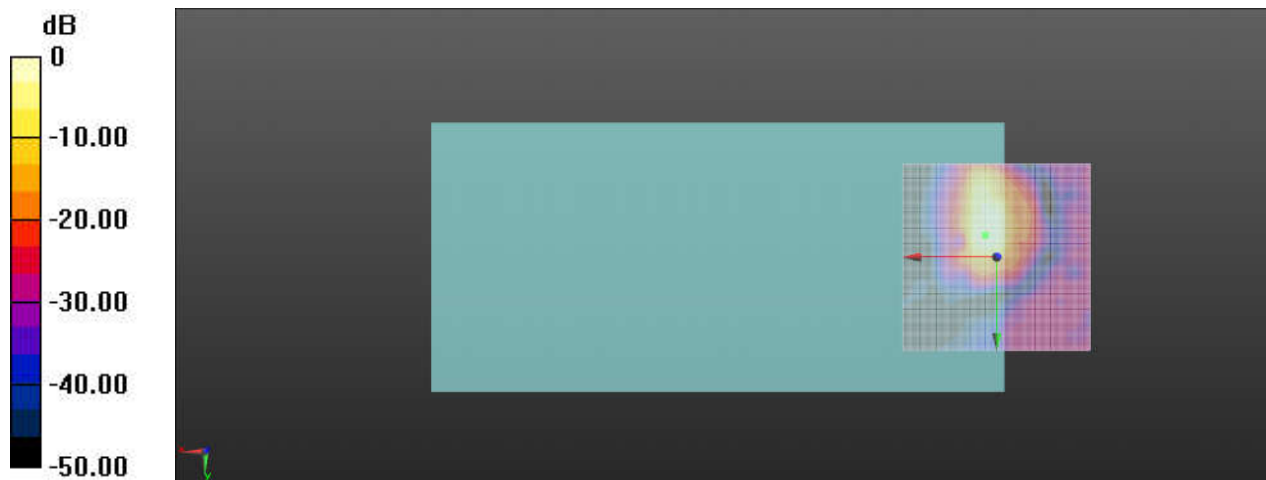
#### Ch55830/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 37.63 dB

ABM1 comp = -4.91 dBA/m

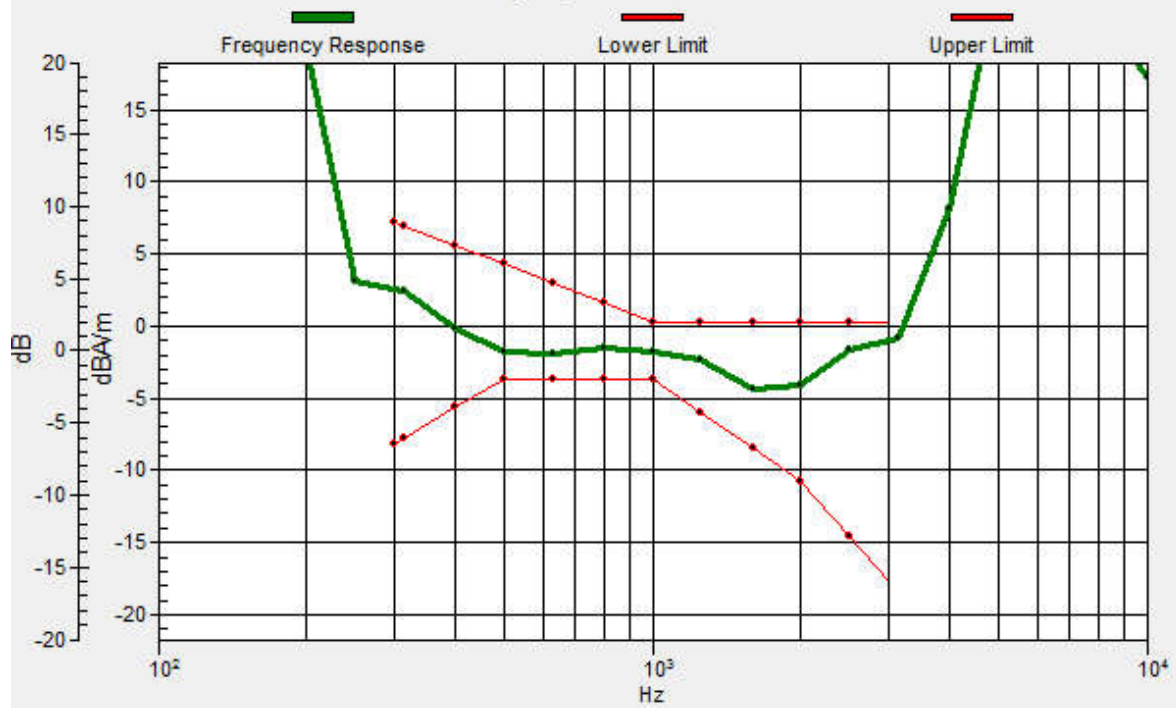
Location: 2.9, -5.8, 3.7 mm



0 dB = 76.11 = 37.63 dB

# Ch55830/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: 3.1, -5.8, 3.7 mm Diff: 1.36dB



### 16\_HAC T-Coil\_LTE Band 48\_20M\_QPSK\_100RB\_0Offset\_Ch55830\_Y

Communication System: UID 0, LTE (0); Frequency: 3609 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

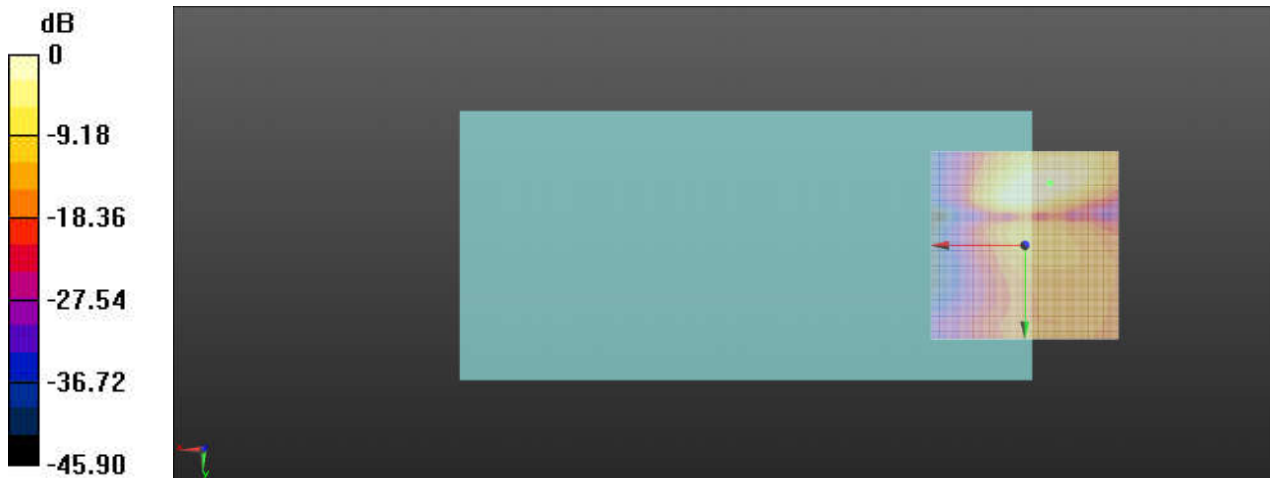
#### Ch55830/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 33.10 dB

ABM1 comp = -16.50 dBA/m

Location: -6.7, -16.7, 3.7 mm



0 dB = 45.16 = 33.10 dB



### 17\_HAC T-Coil\_WLAN 2.4GHz\_802.11b 1Mbps\_Ch6\_Z

Communication System: UID 0, WIFI (0); Frequency: 2437 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

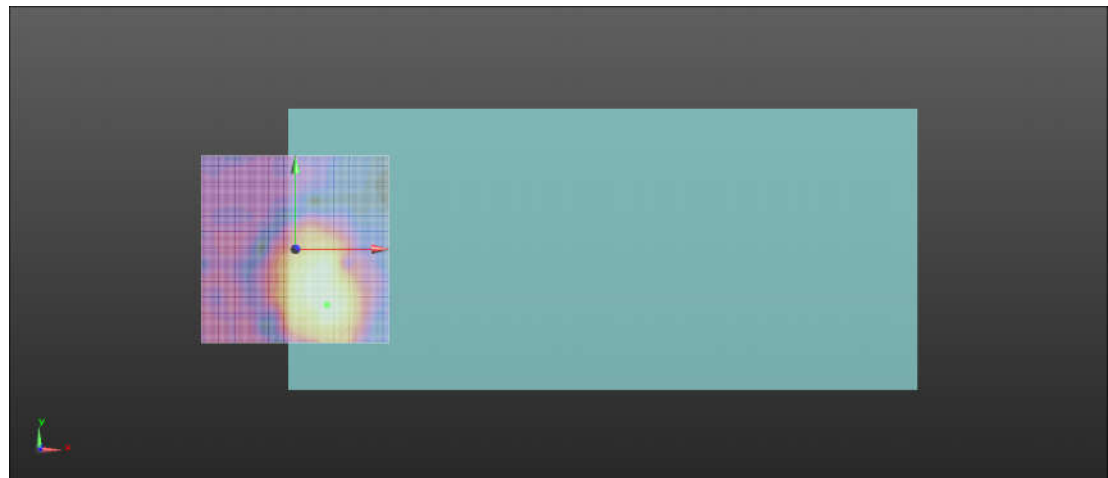
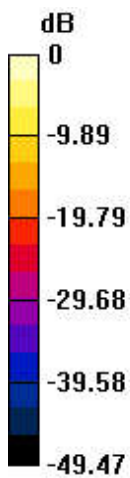
**Ch6/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 37.64 dB

ABM1 comp = -9.02 dBA/m

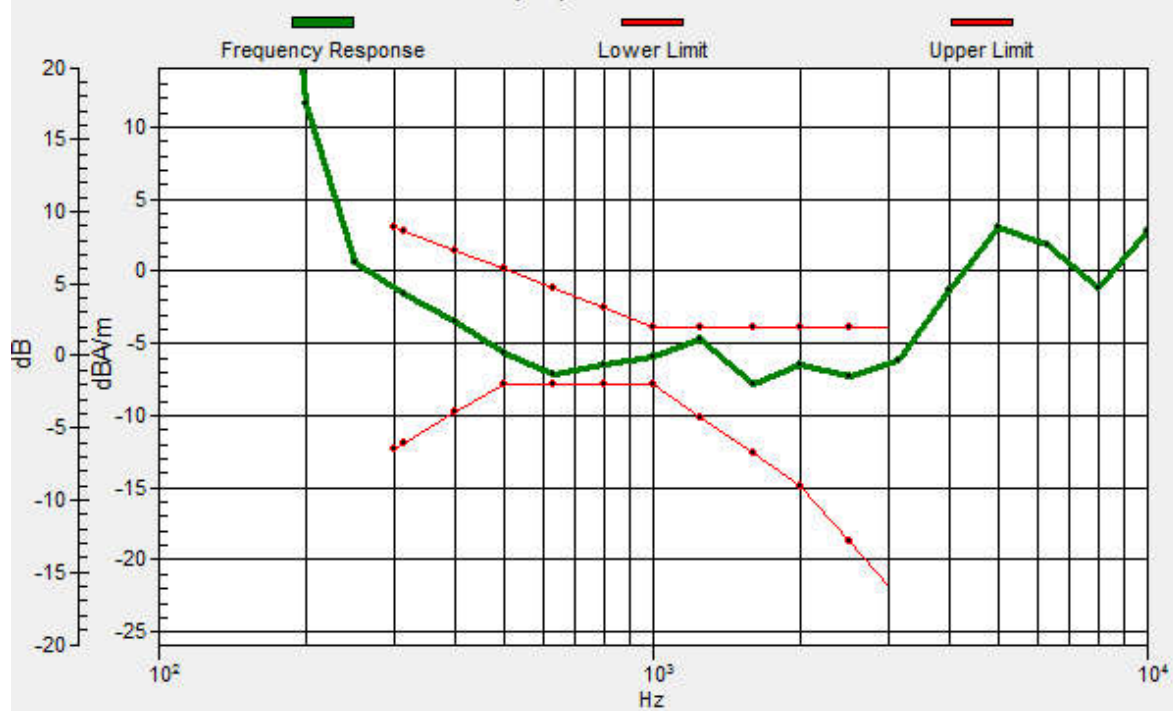
Location: 8.3, -15, 3.7 mm



0 dB = 76.24 = 37.64 dB

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

Loc: 8.4, -15, 3.7 mm Diff: 0.68dB



### 17\_HAC T-Coil\_WLAN 2.4GHz\_802.11b 1Mbps\_Ch6\_Y

Communication System: UID 0, WIFI (0); Frequency: 2437 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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

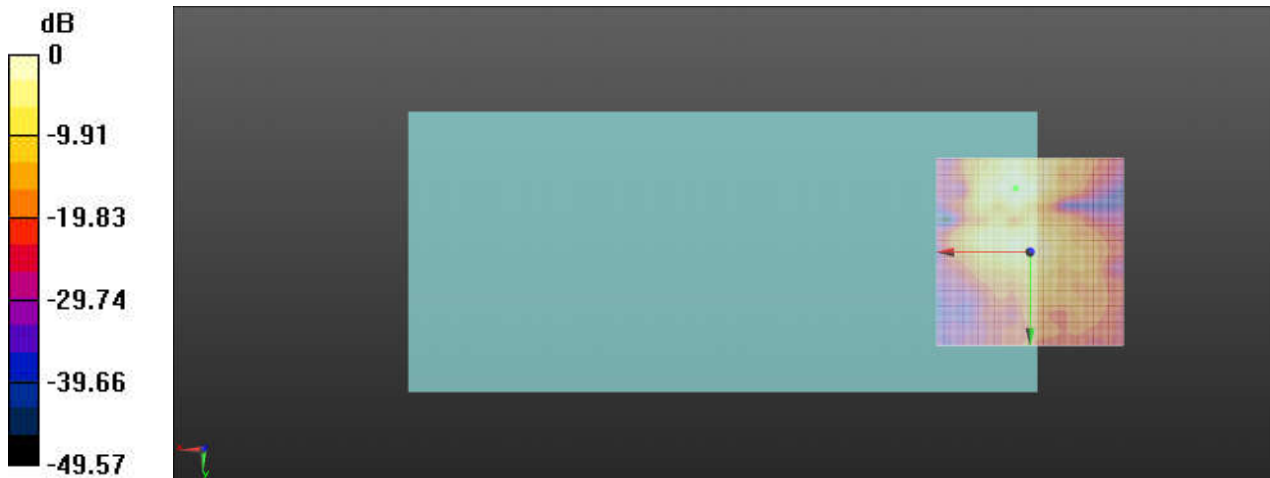
#### Ch6/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 37.10 dB

ABM1 comp = -14.45 dBA/m

Location: 3.8, -17.1, 3.7 mm



0 dB = 71.62 = 37.10 dB

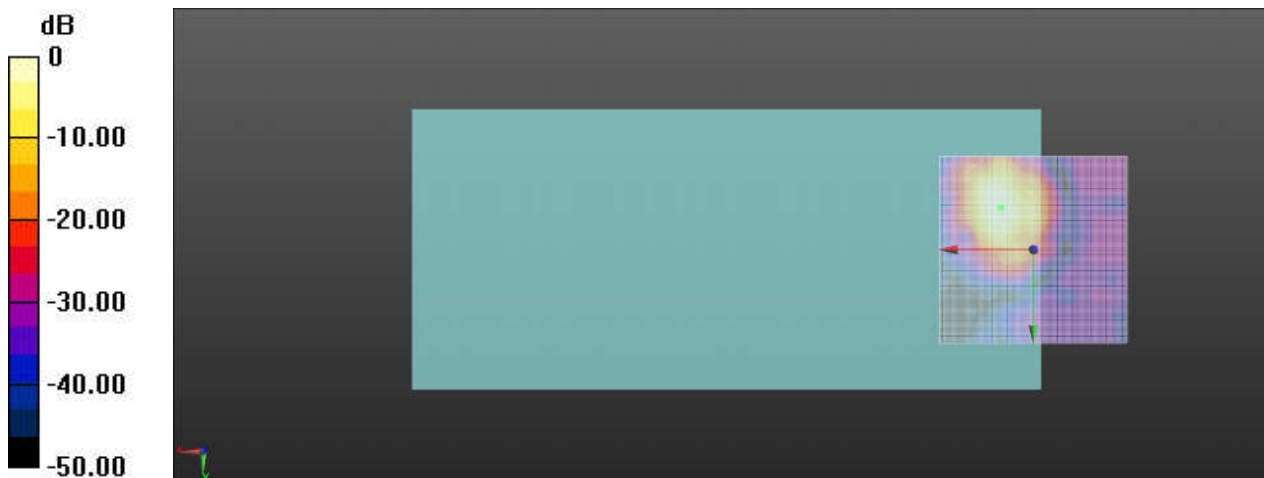
### 18\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40 MCS0\_Ch38\_Z

Communication System: UID 0, WIFI (0); Frequency: 5190 MHz;Duty Cycle: 1:1.037  
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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

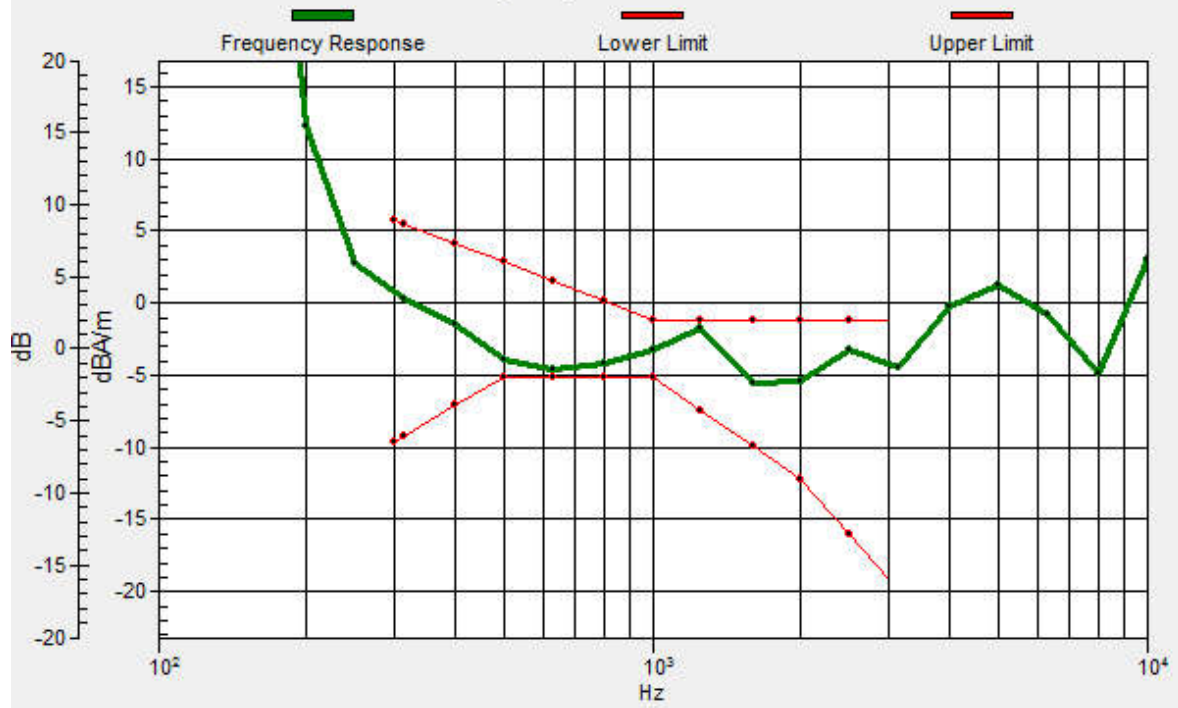
**Ch38/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated  
grid: dx=1.000 mm, dy=1.000 mm  
ABM1/ABM2 = 40.97 dB  
ABM1 comp = -7.86 dBA/m  
Location: 8.8, -11.3, 3.7 mm



0 dB = 111.9 = 40.98 dB

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

Loc: 8.6, -11.3, 3.7 mm Diff: 0.58dB



### 18\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40 MCS0\_Ch38\_Y

Communication System: UID 0, WIFI (0); Frequency: 5190 MHz;Duty Cycle: 1:1.037  
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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

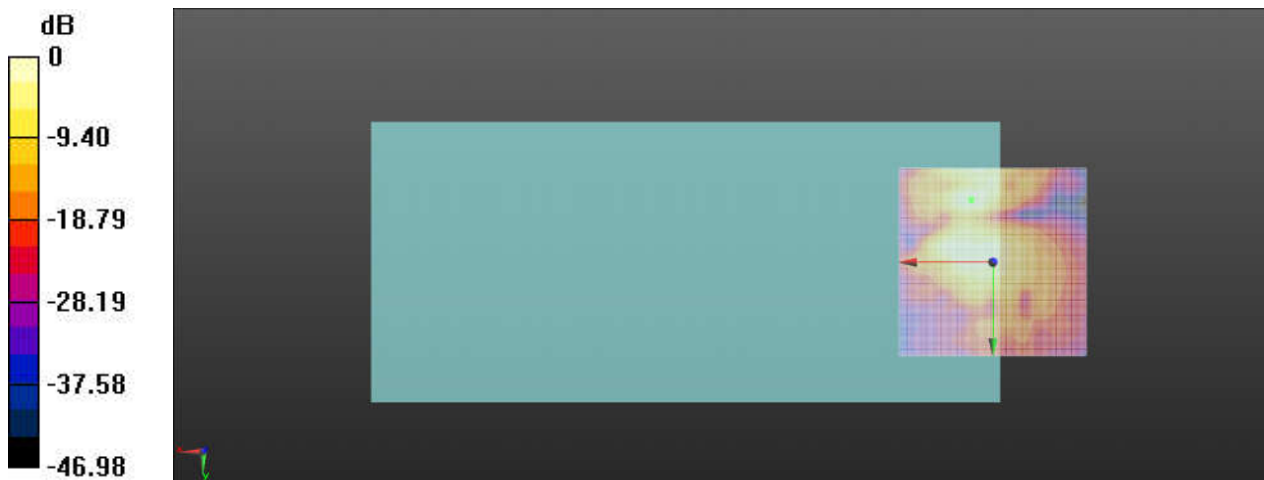
#### Ch38/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 38.60 dB

ABM1 comp = -13.83 dBA/m

Location: 5.8, -16.7, 3.7 mm



0 dB = 85.14 = 38.60 dB

### 19\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40 MCS0\_Ch54\_Z

Communication System: UID 0, WIFI (0); Frequency: 5270 MHz;Duty Cycle: 1:1.037

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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

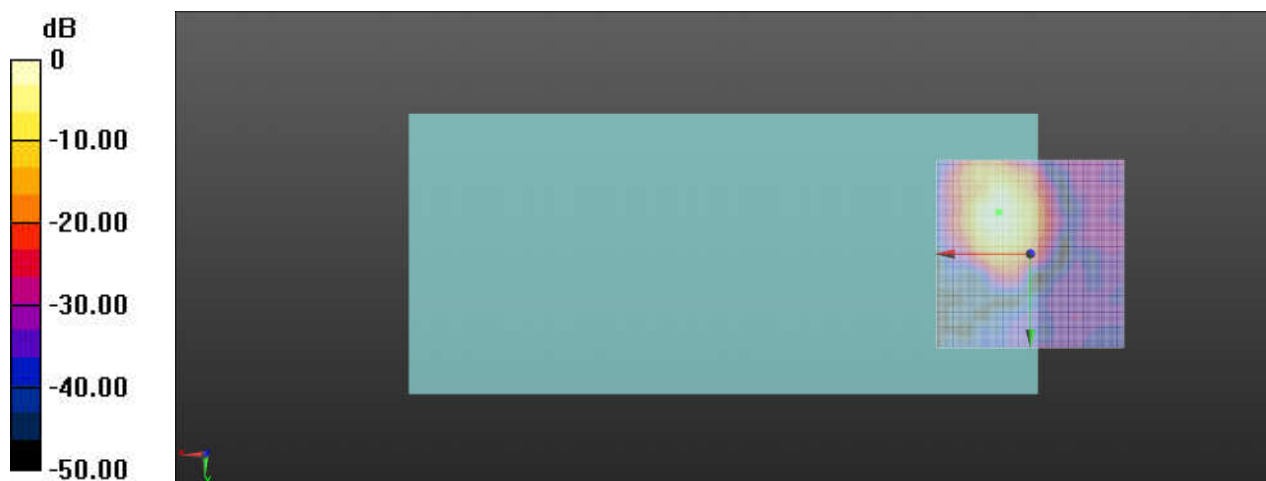
**Ch54/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):** Interpolated

grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.31 dB

ABM1 comp = -6.36 dBA/m

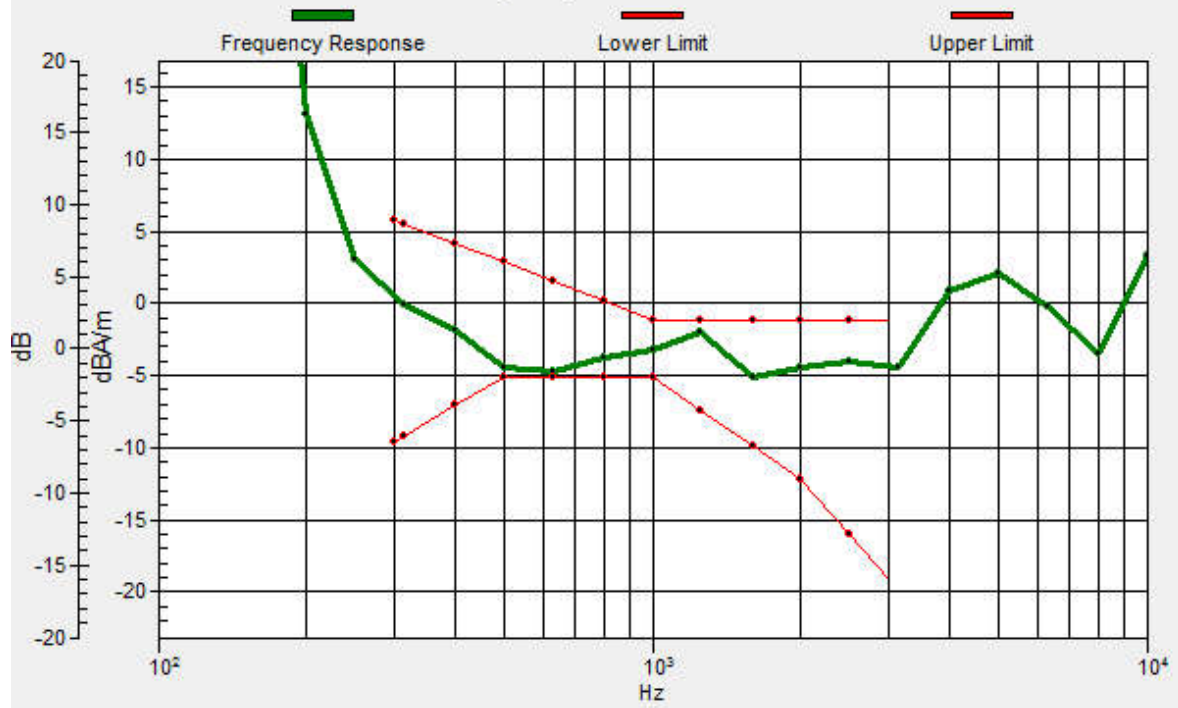
Location: 8.3, -11.3, 3.7 mm



0 dB = 103.6 = 40.31 dB

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

Loc: 8.5, -11.1, 3.7 mm Diff: 0.44dB





### 19\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40 MCS0\_Ch54\_Y

Communication System: UID 0, WIFI (0); Frequency: 5270 MHz;Duty Cycle: 1:1.037  
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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

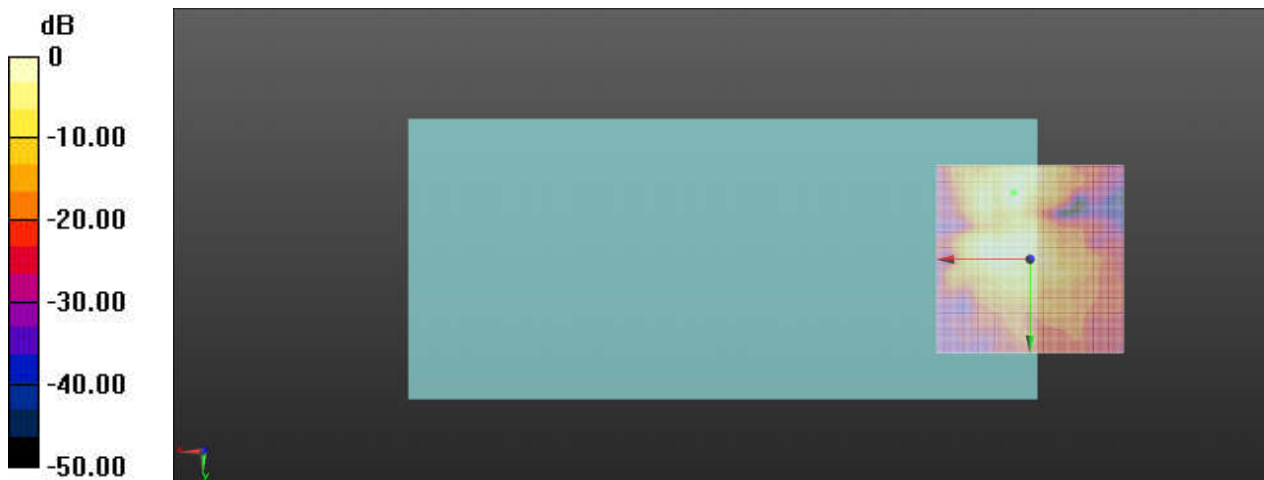
#### Ch54/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 38.62 dB

ABM1 comp = -14.65 dBA/m

Location: 4.2, -17.9, 3.7 mm



0 dB = 85.34 = 38.62 dB

## 20\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40 MCS0\_Ch110\_Z

Communication System: UID 0, WIFI (0); Frequency: 5550 MHz; Duty Cycle: 1:1.037

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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

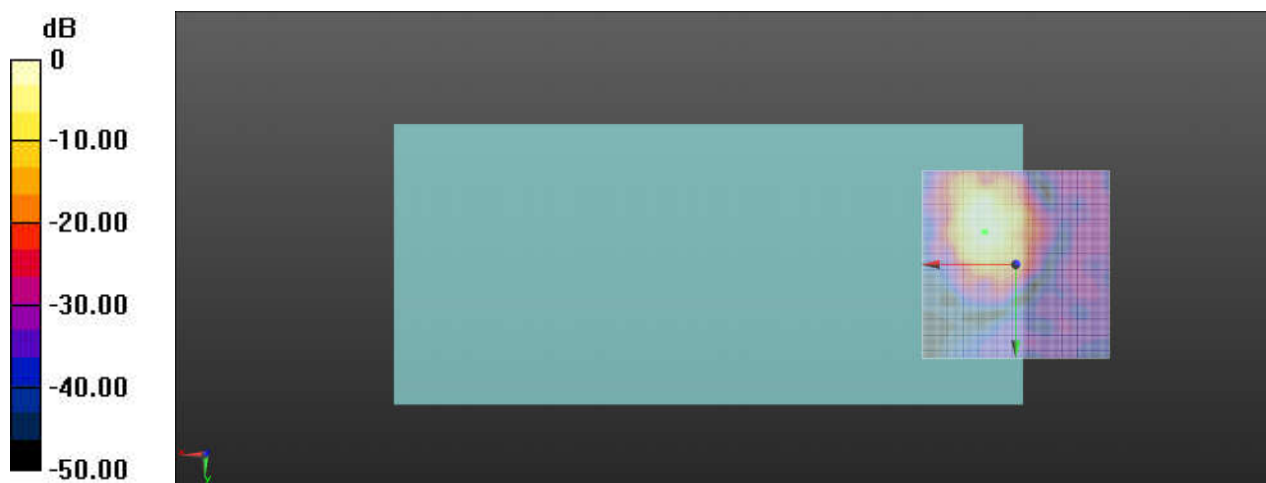
### Ch110/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 39.63 dB

ABM1 comp = -7.61 dBA/m

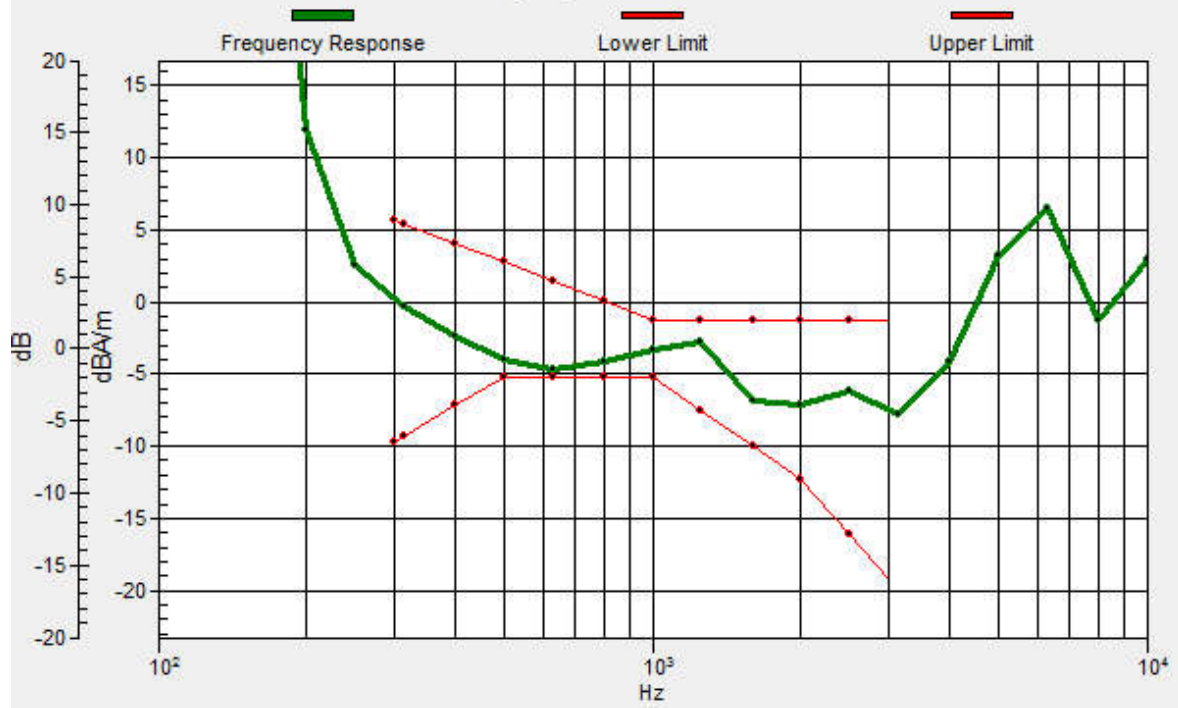
Location: 8.3, -8.8, 3.7 mm



0 dB = 95.85 = 39.63 dB

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

Loc: 8.2, -8.7, 3.7 mm Diff: 0.62dB



## 20\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40 MCS0\_Ch110\_Y

Communication System: UID 0, WIFI (0); Frequency: 5550 MHz; Duty Cycle: 1:1.037

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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

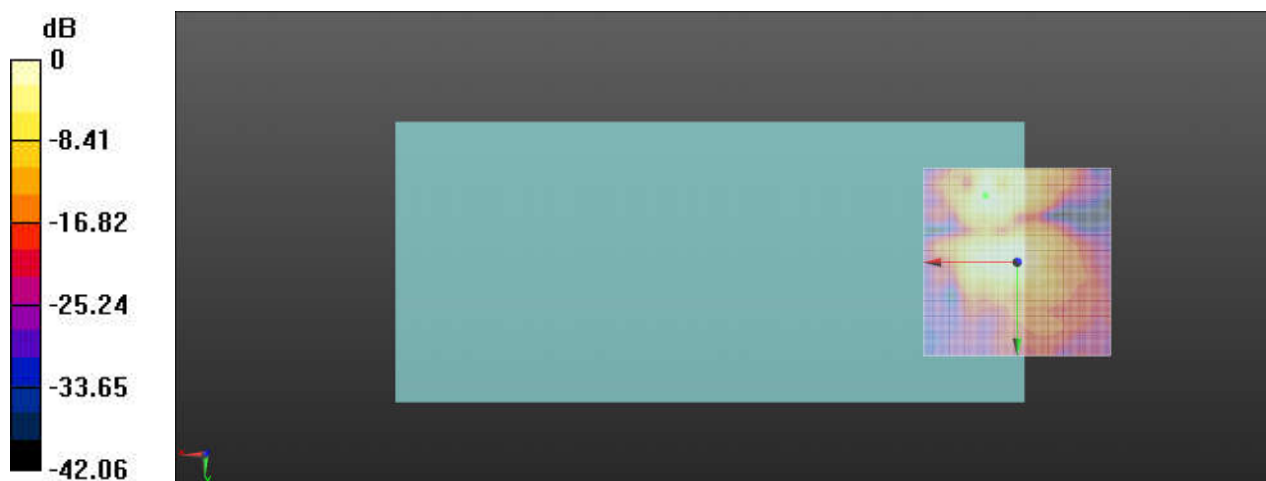
### Ch110/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 37.64 dB

ABM1 comp = -11.80 dBA/m

Location: 8.3, -17.9, 3.7 mm



0 dB = 76.24 = 37.64 dB

## 21\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40 MCS0\_Ch151\_Z

Communication System: UID 0, WIFI (0); Frequency: 5755 MHz; Duty Cycle: 1:1.037

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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

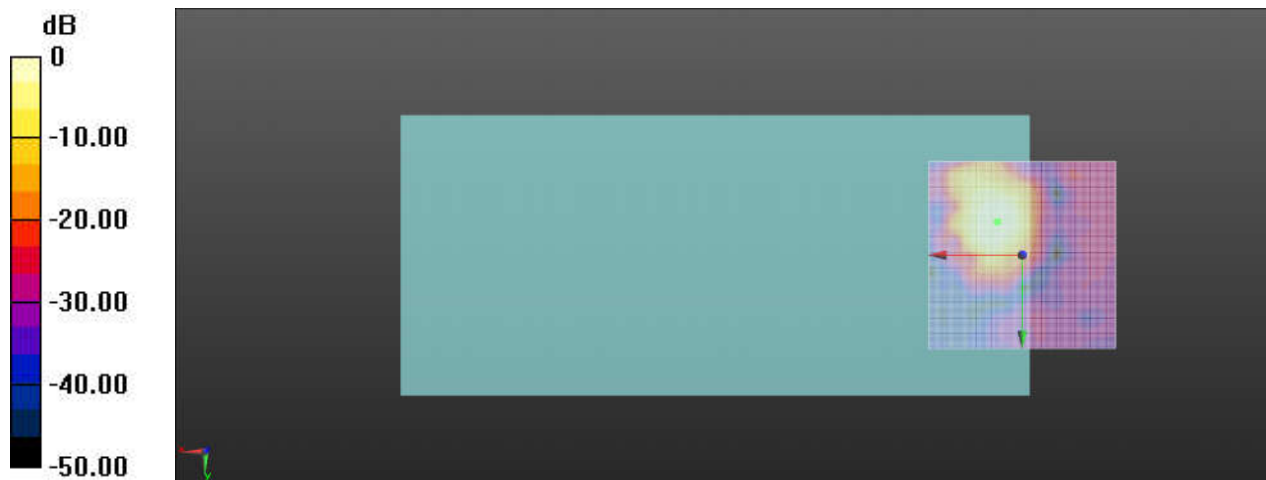
### Ch151/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 35.79 dB

ABM1 comp = -11.25 dBA/m

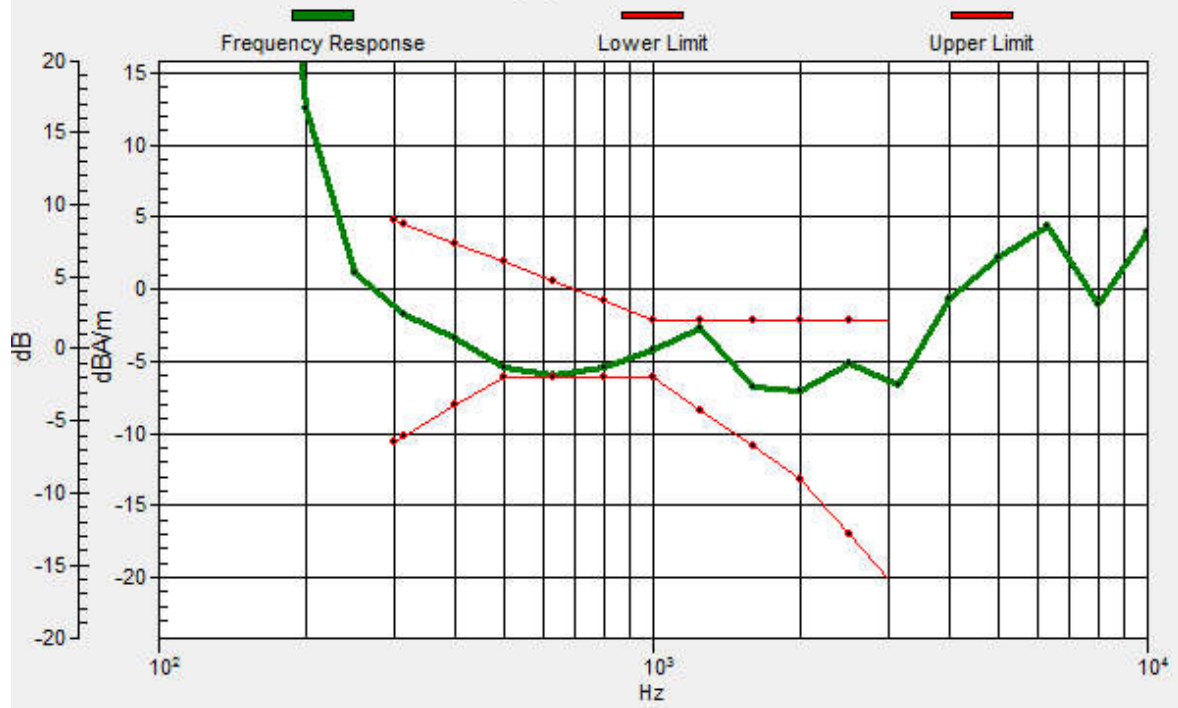
Location: 6.7, -8.8, 3.7 mm



0 dB = 61.56 = 35.79 dB

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

Loc: 6.5, -9, 3.7 mm Diff: 0.19dB



## 21\_HAC T-Coil\_WLAN 5GHz\_802.11ac-VHT40 MCS0\_Ch151\_Y

Communication System: UID 0, WIFI (0); Frequency: 5755 MHz;Duty Cycle: 1:1.037

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 - 3128; ; Calibrated: 2022/7/19
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1664; Calibrated: 2022/5/30
- 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)

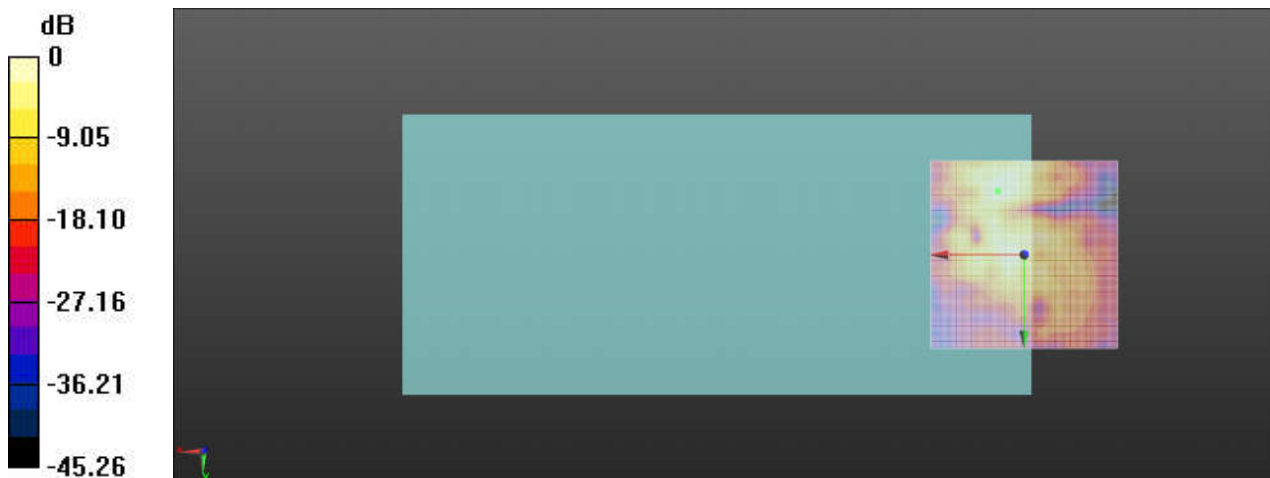
### Ch151/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z) (121x121x1):

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

ABM1/ABM2 = 36.89 dB

ABM1 comp = -13.38 dBA/m

Location: 7.1, -17.1, 3.7 mm



0 dB = 69.89 = 36.89 dB