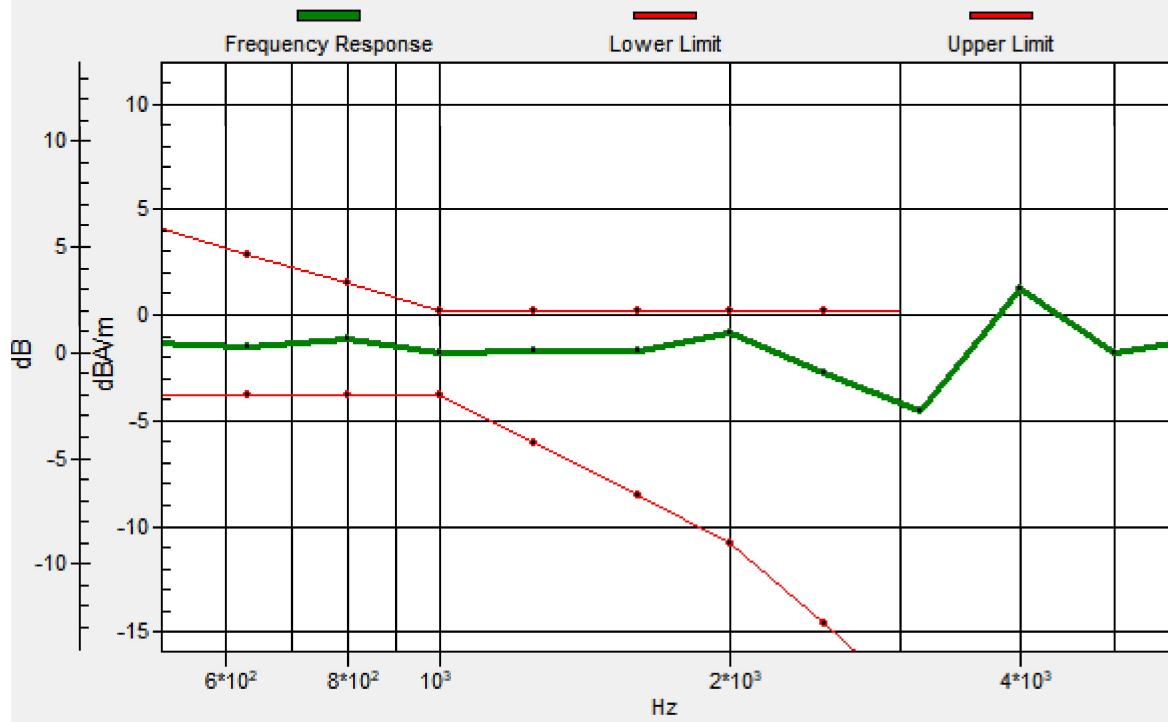


# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -1, 1.3, 3.7 mm Diff: 1.11dB



### P15 T-Coil\_LTE 26\_QPSK15M\_Ch26865\_1RB\_OS0\_EVS NB 5.9kbps\_Axial (Z)

Communication System: LTE; 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 : 23.8°C

#### DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

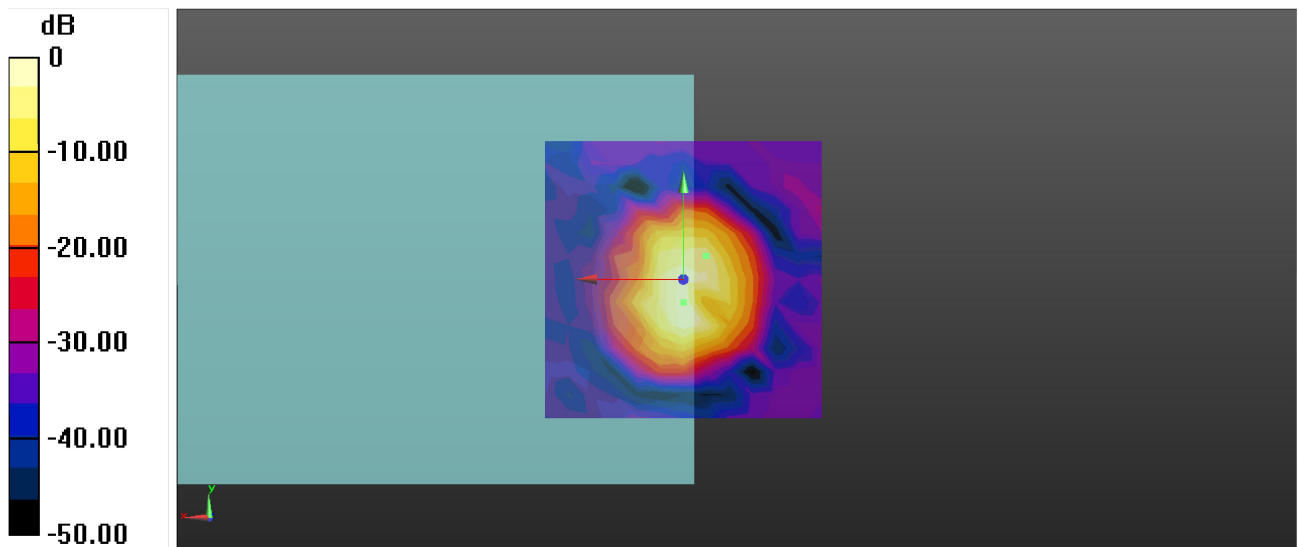
#### General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 50.26 dB

ABM1 comp = -0.34 dBA/m

Location: -4.2, 4.2, 3.7 mm



0 dB = 326.0 = 50.26 dB

### P15 T-Coil\_LTE 26\_QPSK15M\_Ch26865\_1RB\_OS0\_EVS NB 5.9kbps\_Radial (Y)

Communication System: LTE; 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 : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

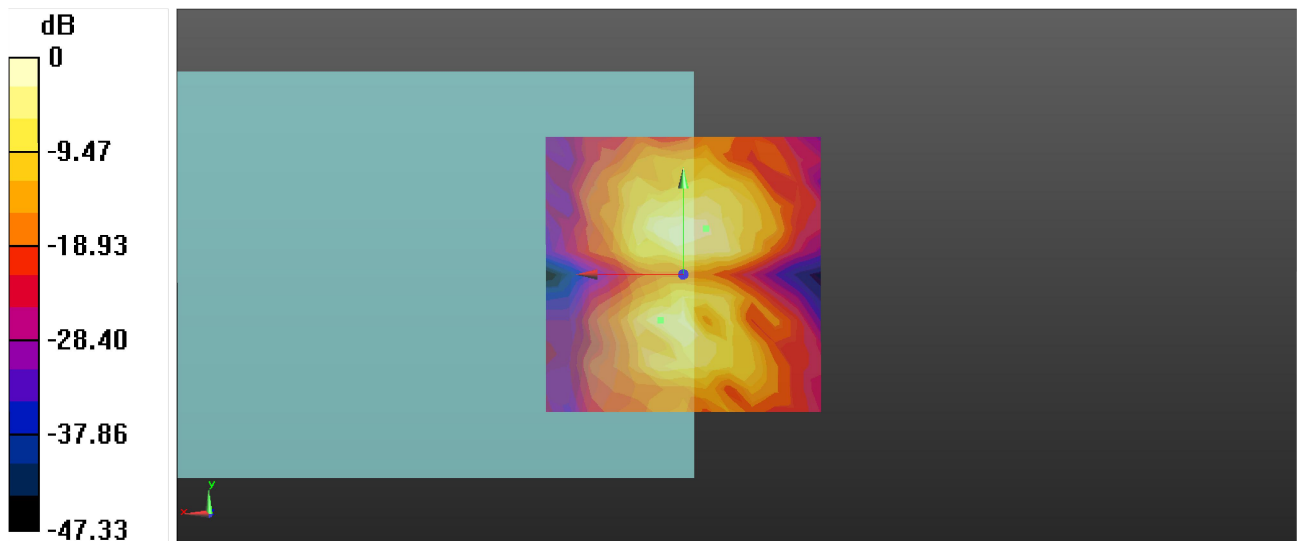
### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 44.62 dB

ABM1 comp = -6.38 dBA/m

Location: -4.2, 8.3, 3.7 mm



0 dB = 170.1 = 44.62 dB

### P15 T-Coil\_LTE 26\_QPSK15M\_Ch26865\_1RB\_OS0\_EVS NB 5.9kbps\_Freq Resp

Communication System: LTE; Frequency: 831.5 MHz; Duty Cycle: 1:1

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

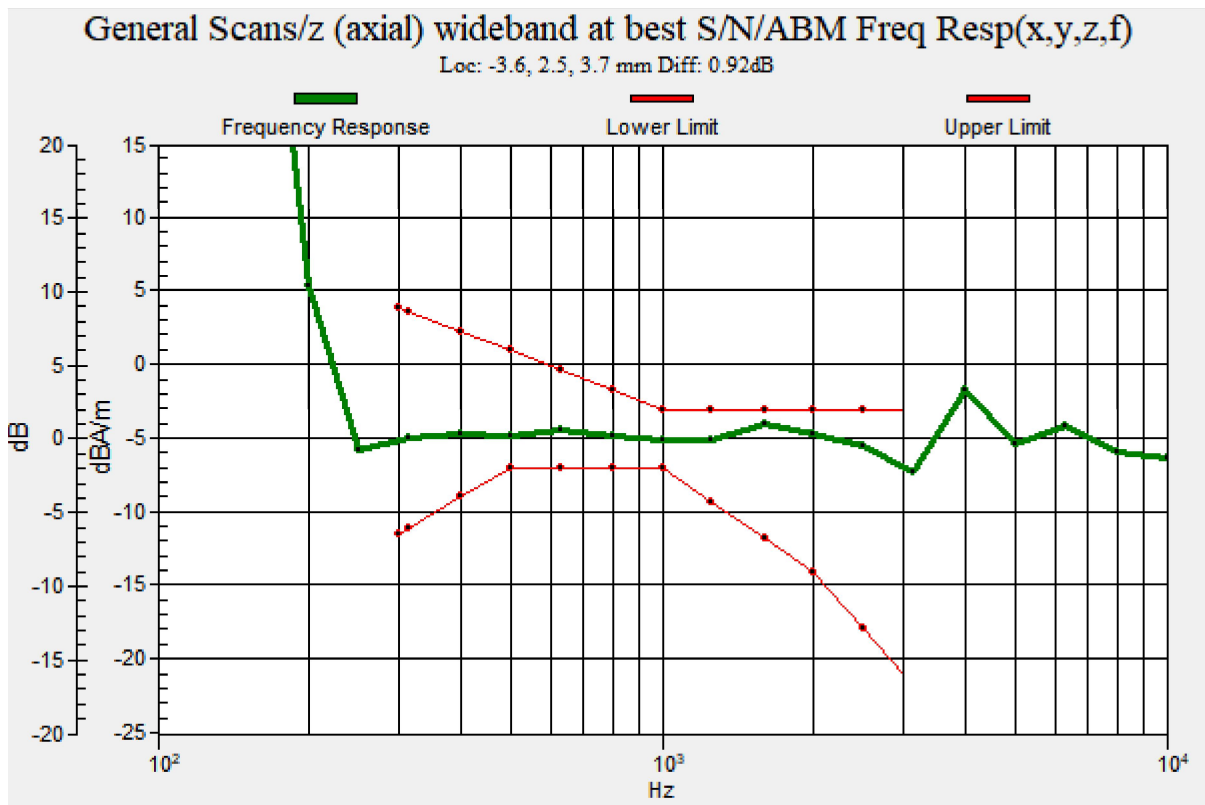
Ambient Temperature : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm



### P16 T-Coil\_LTE 30\_QPSK10M\_Ch27710\_1RB\_OS0\_EVS NB 5.9kbps\_Axial (Z)

Communication System: LTE; 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 : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

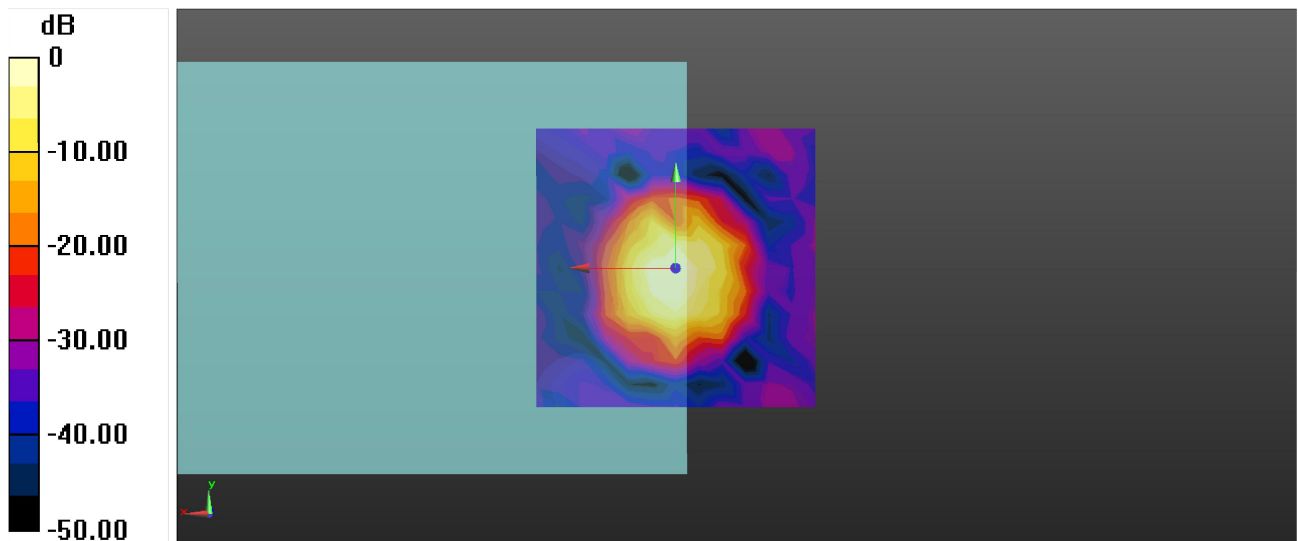
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 51.26 dB

ABM1 comp = 3.43 dBA/m

Location: 0, 0, 3.7 mm



0 dB = 365.8 = 51.26 dB

### P16 T-Coil\_LTE 30\_QPSK10M\_Ch27710\_1RB\_OS0\_EVS NB 5.9kbps\_Radial (Y)

Communication System: LTE; 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 : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

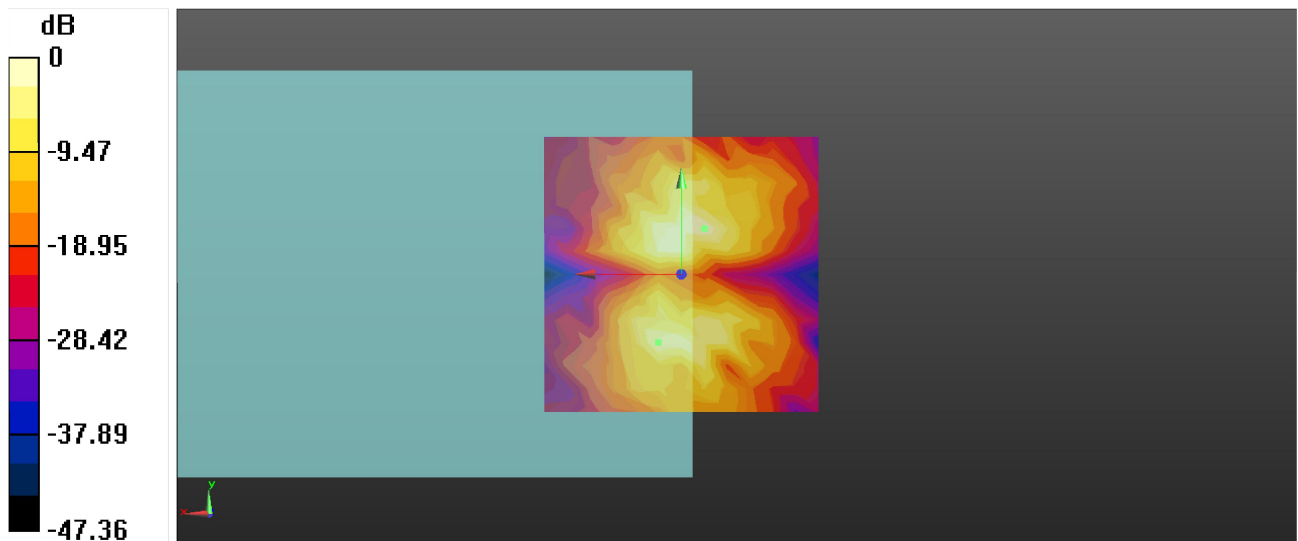
### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 47.03 dB

ABM1 comp = -5.19 dBA/m

Location: -4.2, 8.3, 3.7 mm



0 dB = 224.7 = 47.03 dB

### P16 T-Coil\_LTE 30\_QPSK10M\_Ch27710\_1RB\_OS0\_EVS NB 5.9kbps\_Freq Resp

Communication System: LTE; Frequency: 2310 MHz; Duty Cycle: 1:1

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

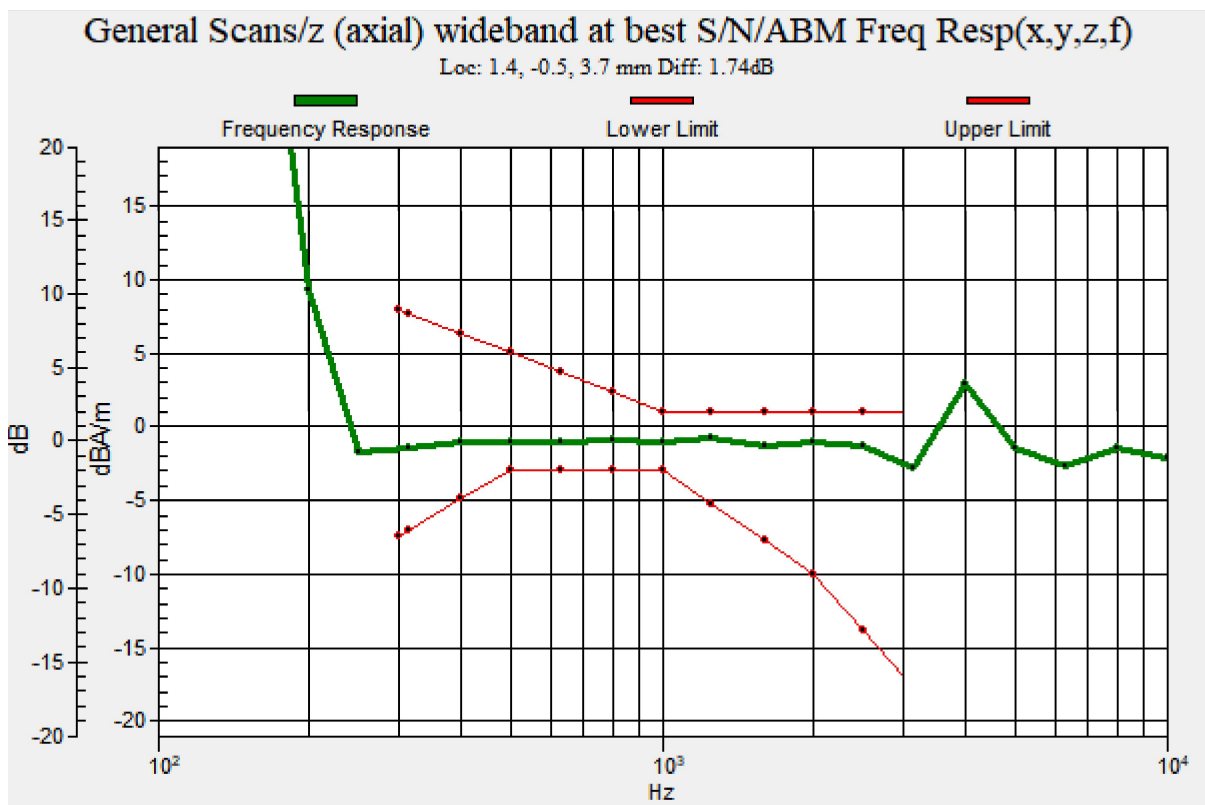
Ambient Temperature : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm



### P17 T-Coil\_LTE 38\_QPSK20M\_Ch38000\_1RB\_OS0\_AMR NB 4.75kbps\_Axial (Z)

Communication System: LTE; Frequency: 2595 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 : 23.8°C

#### DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

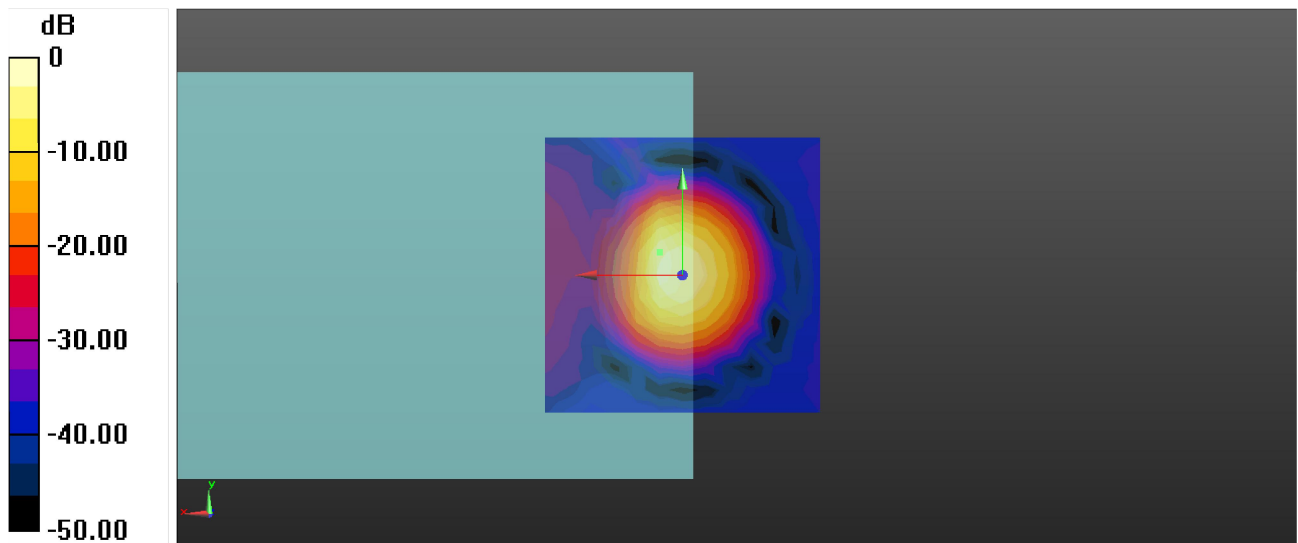
#### General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1): Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 35.72 dB

ABM1 comp = 4.03 dBA/m

Location: 4.2, 4.2, 3.7 mm



0 dB = 61.13 = 35.72 dB



### P17 T-Coil\_LTE 38\_QPSK20M\_Ch38000\_1RB\_OS0\_AMR NB 4.75kbps\_Radial (Y)

Communication System: LTE; Frequency: 2595 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 : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

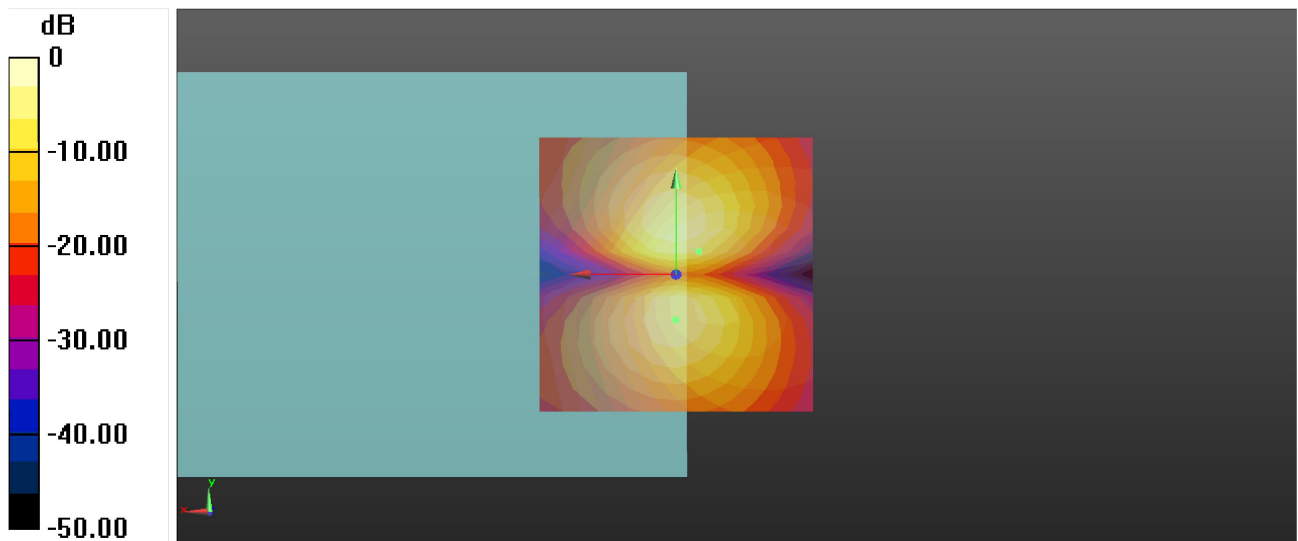
### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 32.99 dB

ABM1 comp = -7.15 dBA/m

Location: -4.2, 4.2, 3.7 mm



0 dB = 44.63 = 32.99 dB

### P17 T-Coil\_LTE 38\_QPSK20M\_Ch38000\_1RB\_OS0\_AMR NB 4.75kbps\_Freq Resp

Communication System: LTE; Frequency: 2595 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>

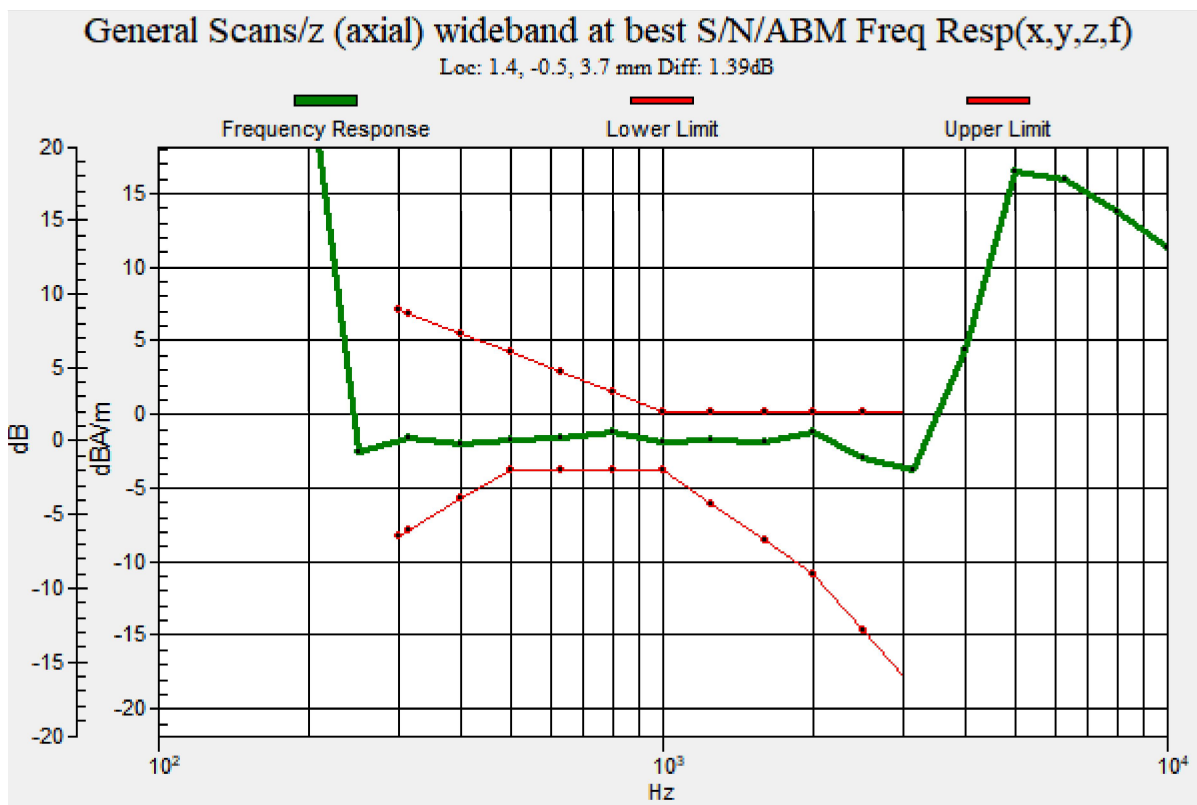
Ambient Temperature : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm



### P18 T-Coil\_LTE 41\_QPSK20M\_Ch40620\_1RB\_OS0\_AMR NB 4.75kbps\_Axial (Z)

Communication System: LTE; 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 : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

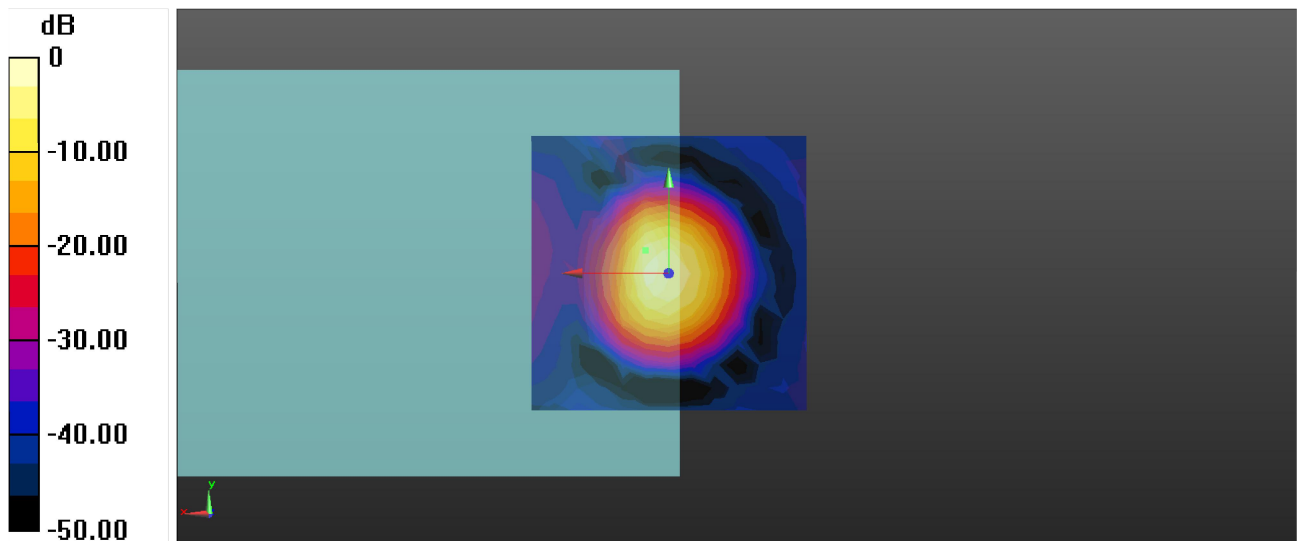
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 35.91 dB

ABM1 comp = 3.63 dBA/m

Location: 4.2, 4.2, 3.7 mm



0 dB = 62.42 = 35.91 dB

### P18 T-Coil\_LTE 41\_QPSK20M\_Ch40620\_1RB\_OS0\_AMR NB 4.75kbps\_Radial (Y)

Communication System: LTE; 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 : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

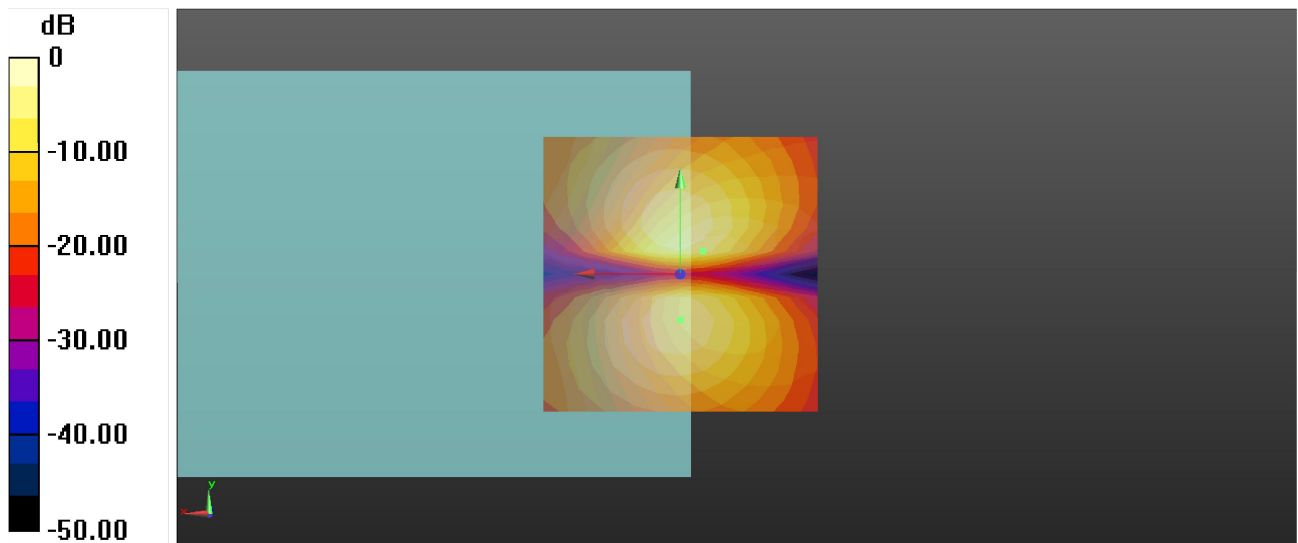
### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 33.78 dB

ABM1 comp = -6.45 dBA/m

Location: -4.2, 4.2, 3.7 mm



0 dB = 48.89 = 33.78 dB

### P18 T-Coil\_LTE 41\_QPSK20M\_Ch40620\_1RB\_OS0\_AMR NB 4.75kbps\_Freq Resp

Communication System: LTE; Frequency: 2593 MHz; Duty Cycle: 1:1.59

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

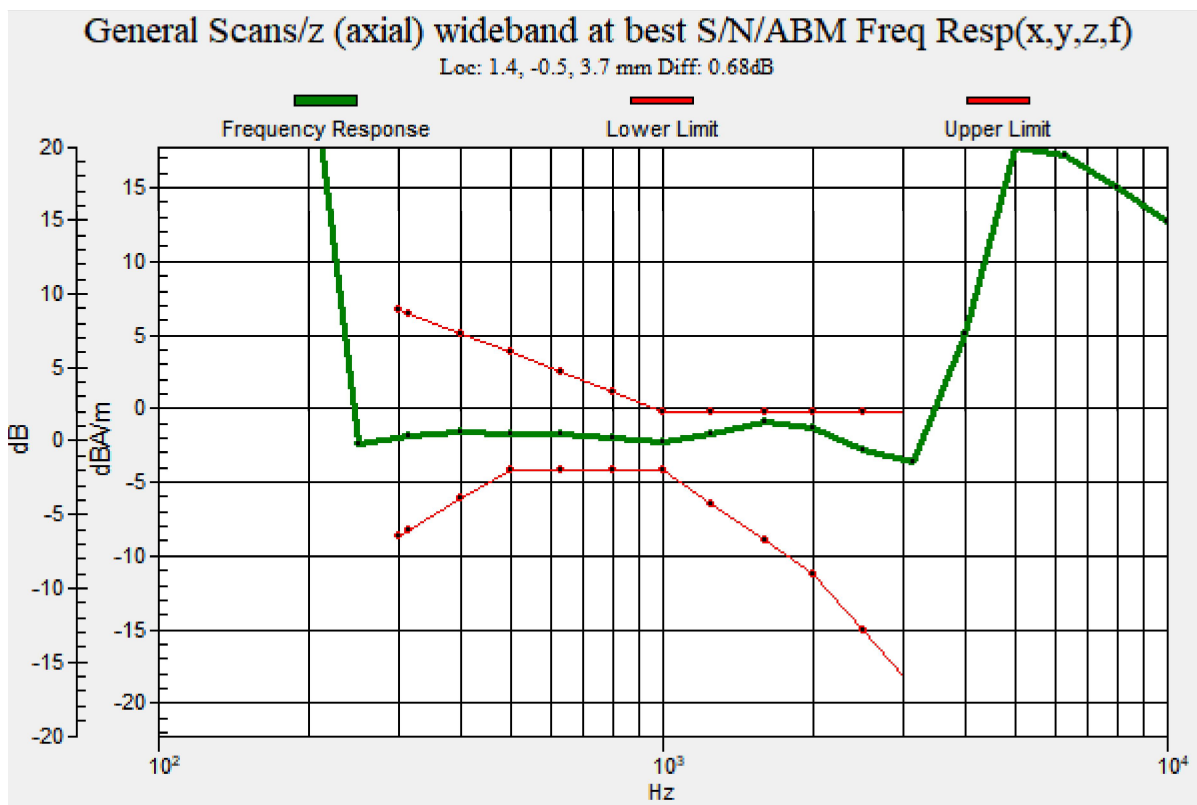
Ambient Temperature : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

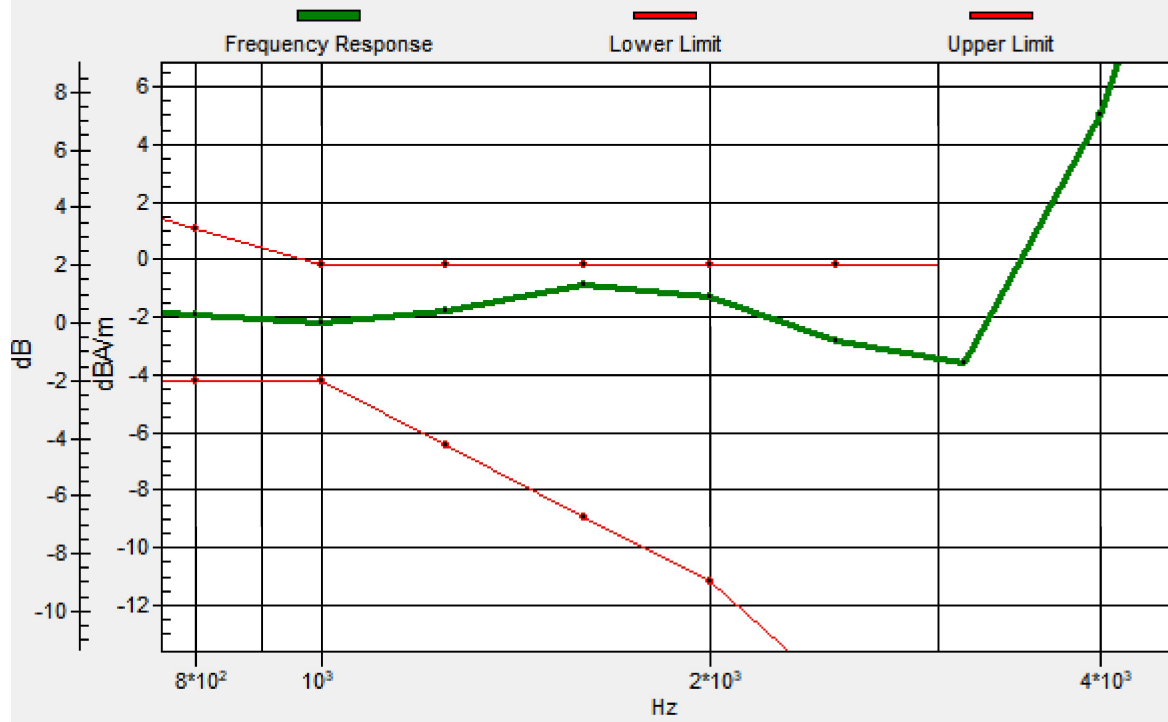
### General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f) (1x1x1):

Measurement grid: dx=10mm, dy=10mm



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

Loc: 1.4, -0.5, 3.7 mm Diff: 0.68dB



### P19 T-Coil\_LTE 66\_QPSK20M\_Ch132322\_1RB\_OS0\_EVS NB 5.9kbps\_Axial (Z)

Communication System: LTE; 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 : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

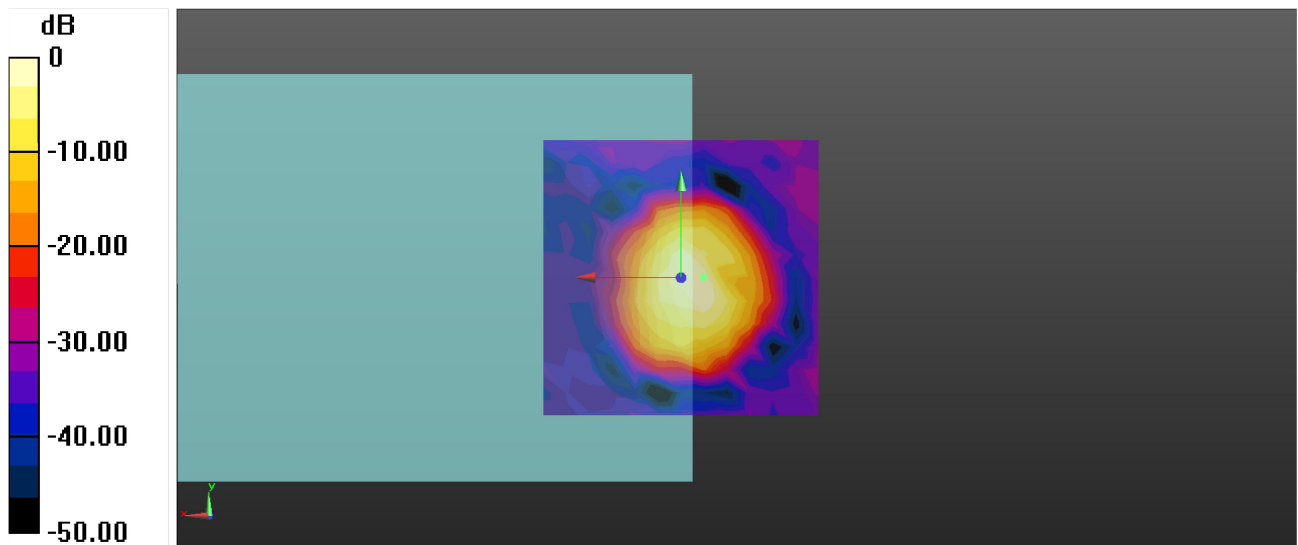
**General Scans/z (axial) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):** Measurement grid:

dx=10mm, dy=10mm

ABM1/ABM2 = 49.23 dB

ABM1 comp = 1.64 dBA/m

Location: -4.2, 0, 3.7 mm



0 dB = 289.4 = 49.23 dB

### P19 T-Coil\_LTE 66\_QPSK20M\_Ch132322\_1RB\_OS0\_EVS NB 5.9kbps\_Radial (Y)

Communication System: LTE; 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 : 23.8°C

DASY5 Configuration:

- Probe: AM1DV3 - 3144; ; Calibrated: 9/21/2020
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1633; Calibrated: 9/28/2020
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

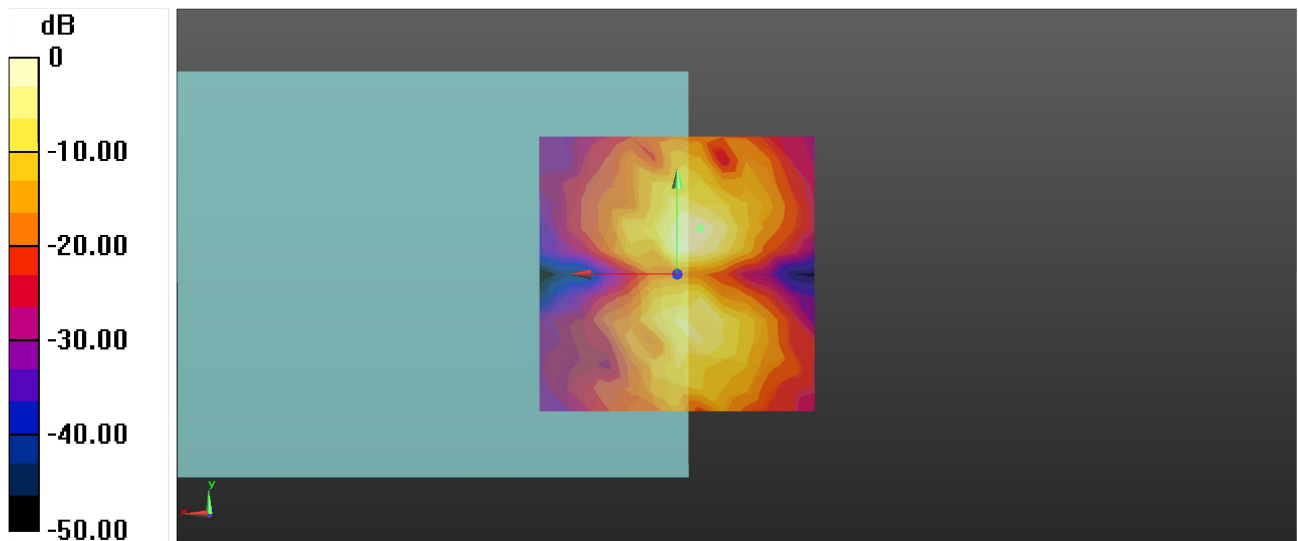
### General Scans/y (transversal) 4.2mm 50 x 50/ABM SNR(x,y,z) (13x13x1):

Measurement grid: dx=10mm, dy=10mm

ABM1/ABM2 = 46.73 dB

ABM1 comp = -3.06 dBA/m

Location: -4.2, 8.3, 3.7 mm



0 dB = 216.9 = 46.73 dB