

## **Annex A.      Plots of HAC T-Coil Measurement**

The HAC plots for worst-case in each wireless mode and frequency band combination are shown as follows.

**P01 T-Coil\_GSM850\_Ch189\_FR V1\_Axial (Z)****DUT: P21050403**

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.69

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

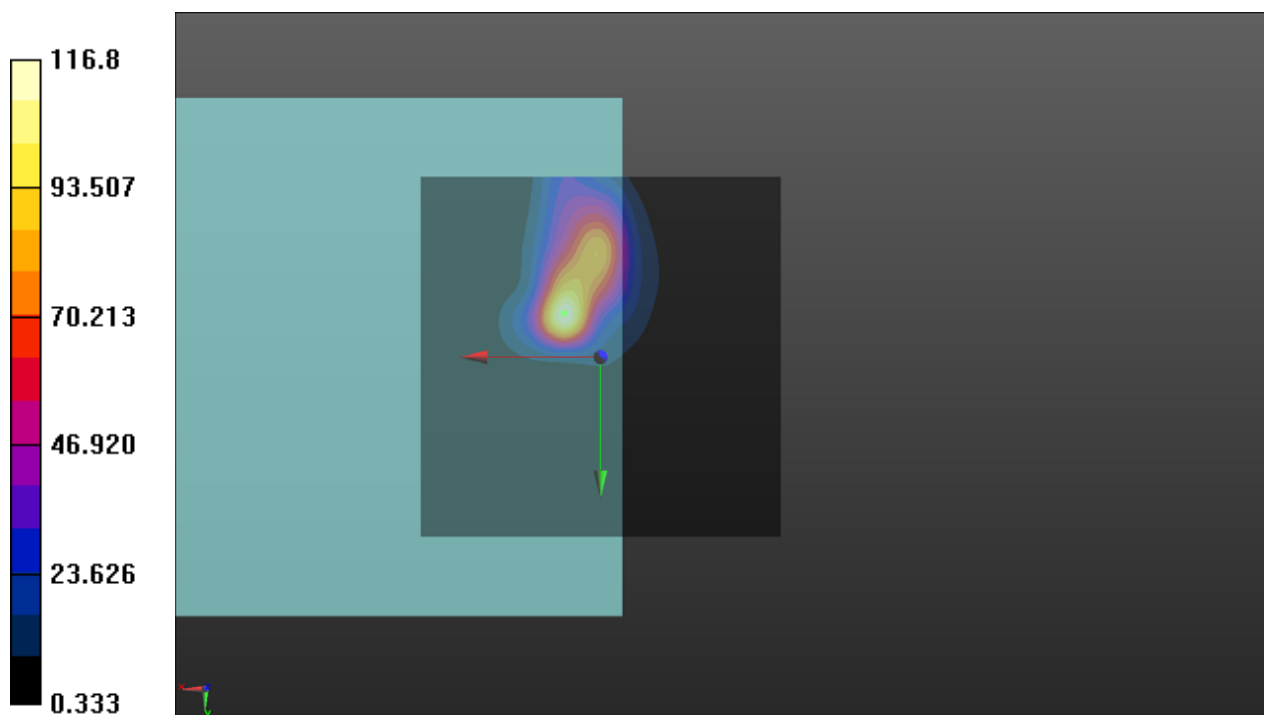
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 41.35 dB

ABM1 comp = 11.17 dBA/m

Location: 5, -6, 3.7 mm



**P01 T-Coil\_GSM850\_Ch189\_FR V1\_Radial (Y)****DUT: P21050403**

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.69

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

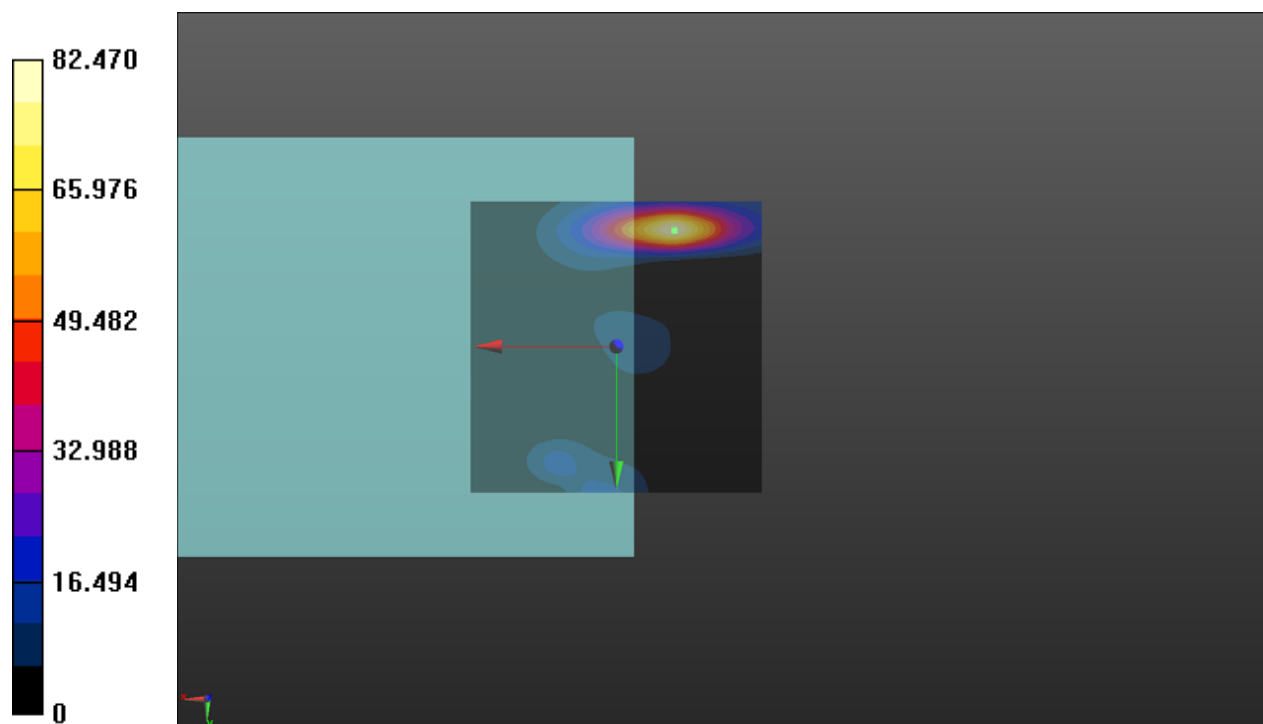
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.33 dB

ABM1 comp = -7.33 dBA/m

Location: -10, -20, 3.7 mm



**P01 T-Coil\_GSM850\_Ch189\_FR V1\_Freq Resp****DUT: P21050403**

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.69

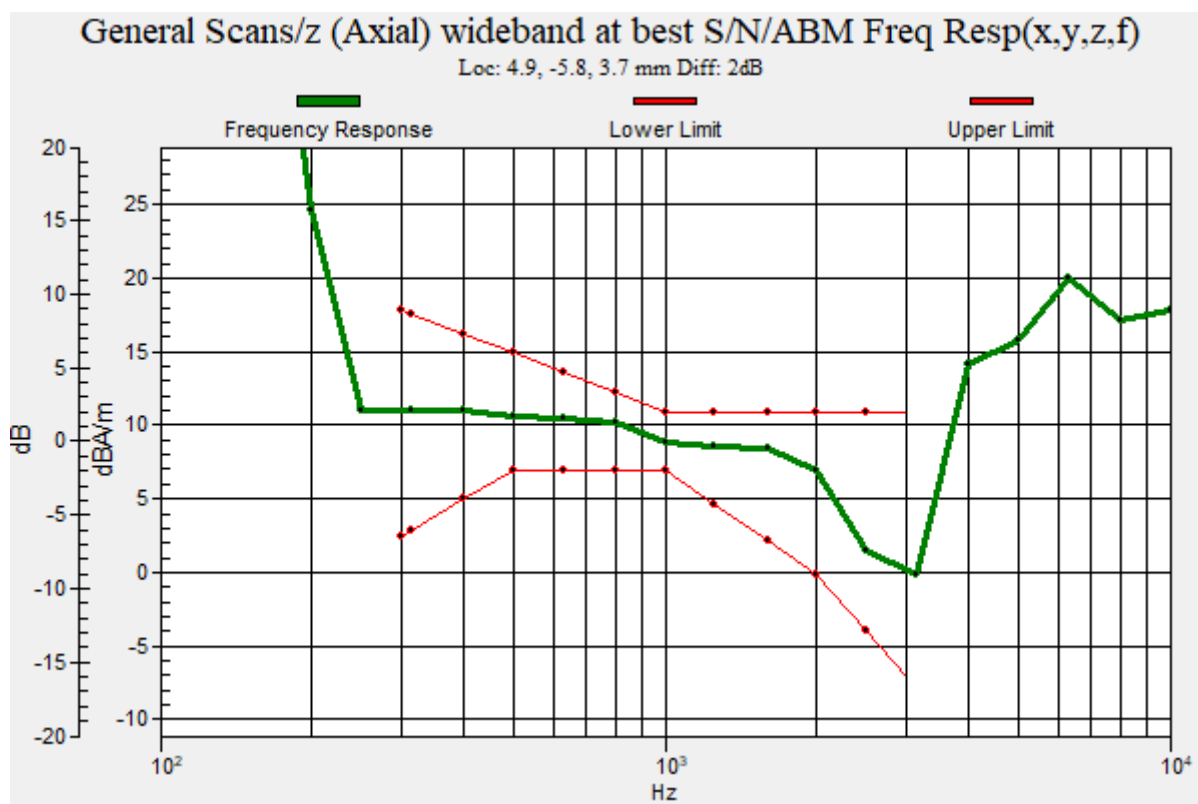
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



## P02 T-Coil\_GSM1900\_Ch661\_FR V1\_Axial (Z)

### DUT: P21050403

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.69

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

Ambient Temperature : 23.6 °C

#### DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

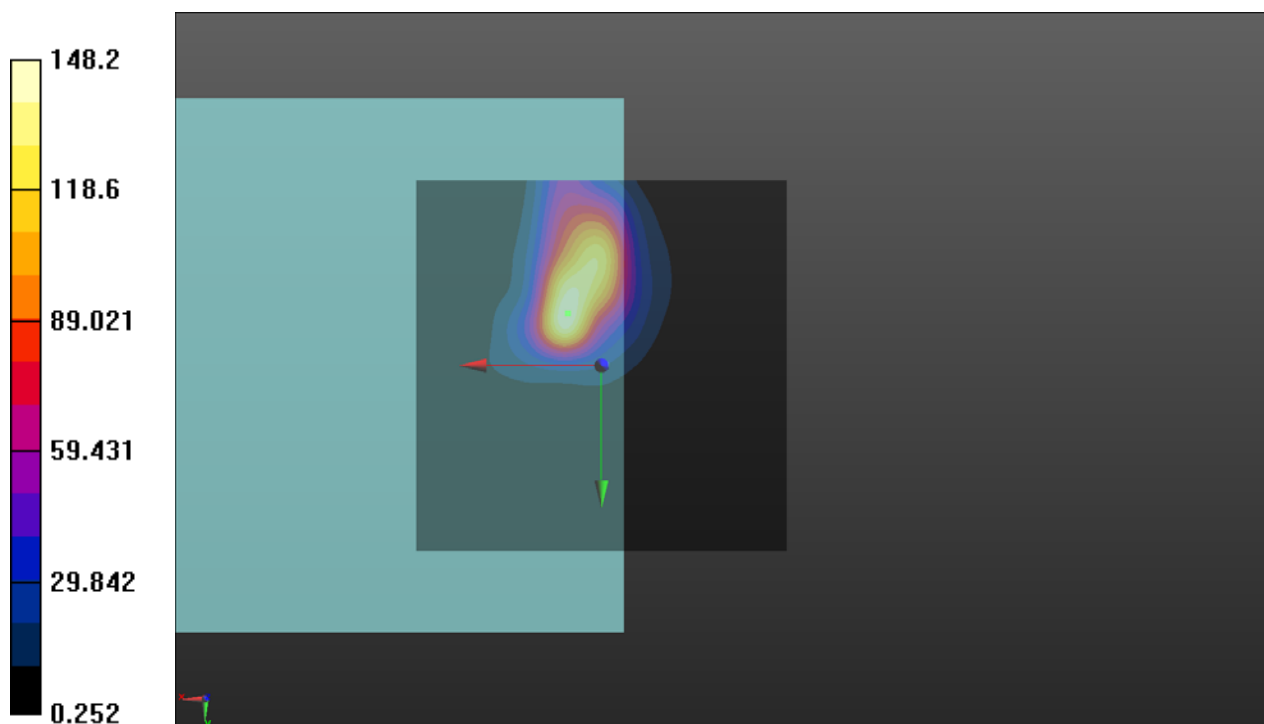
#### T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.42 dB

ABM1 comp = 12.01 dBA/m

Location: 4.5, -7, 3.7 mm



**P02 T-Coil\_GSM1900\_Ch661\_FR V1\_Radial (Y)****DUT: P21050403**

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.69

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

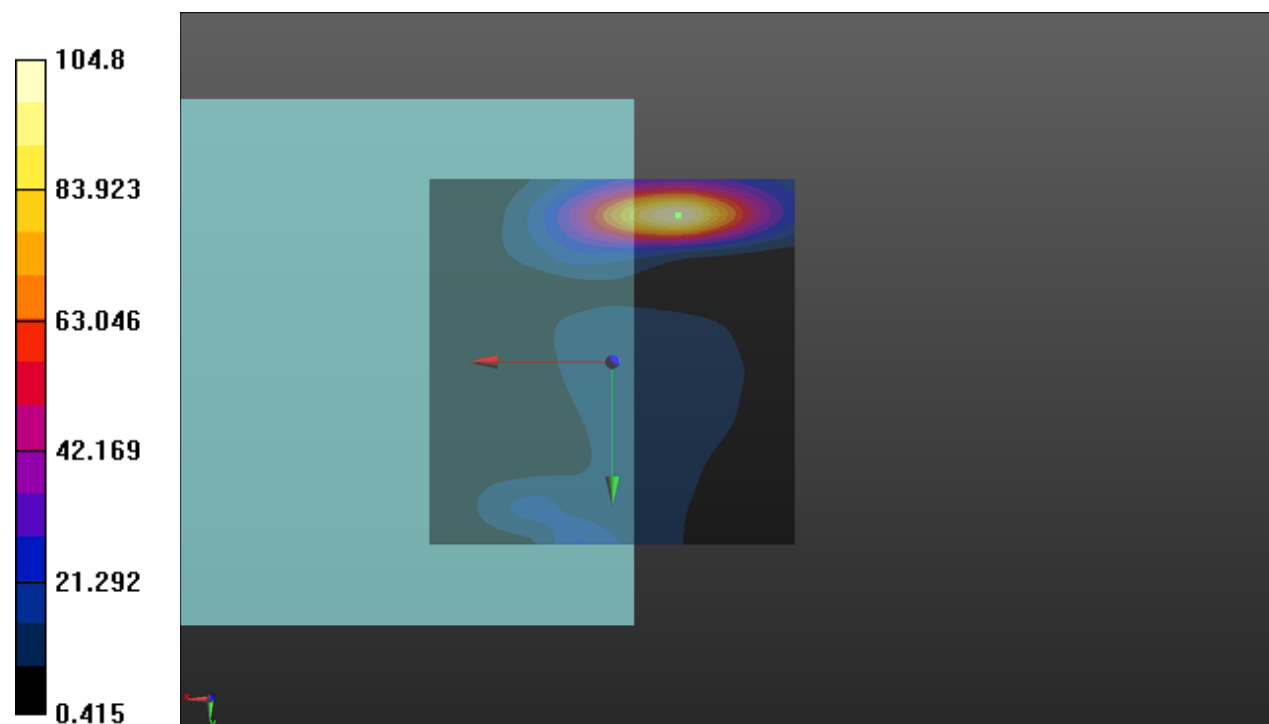
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 40.41 dB

ABM1 comp = -5.91 dBA/m

Location: -9, -20, 3.7 mm



**P02 T-Coil\_GSM1900\_Ch661\_FR V1\_Freq Resp****DUT: P21050403**

Communication System: UID 10021 - DAC, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.69

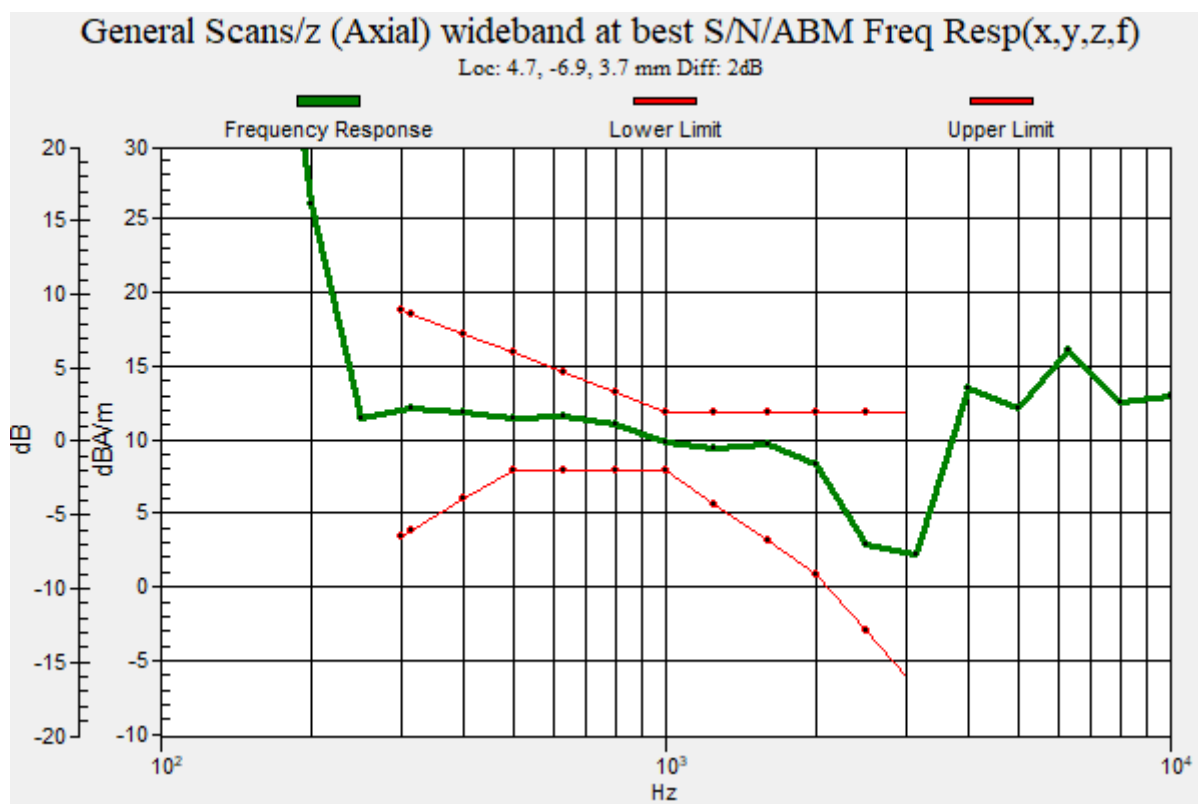
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P03 T-Coil\_WCDMA II\_Ch9400\_AMR7.95kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1880 MHz; Duty Cycle: 1:1.95

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

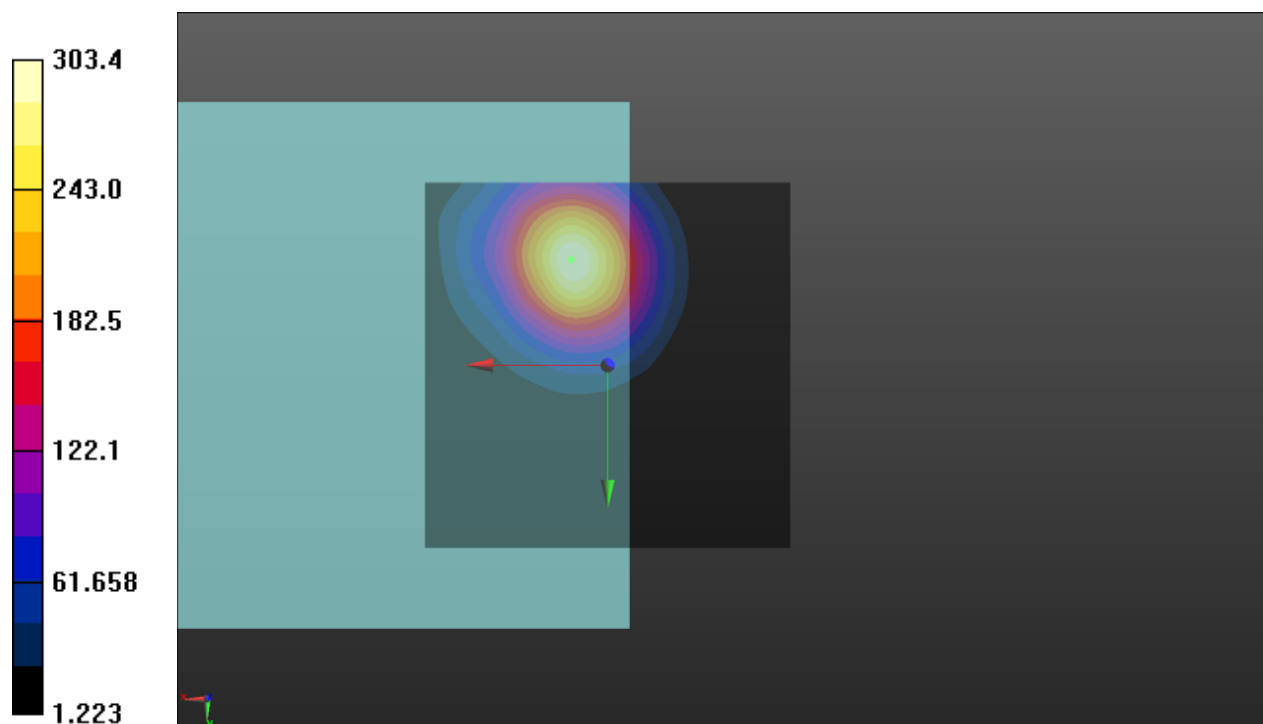
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.64 dB

ABM1 comp = 14.25 dBA/m

Location: 5, -14.5, 3.7 mm



**P03 T-Coil\_WCDMA II\_Ch9400\_AMR7.95kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1880 MHz; Duty Cycle: 1:1.95

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

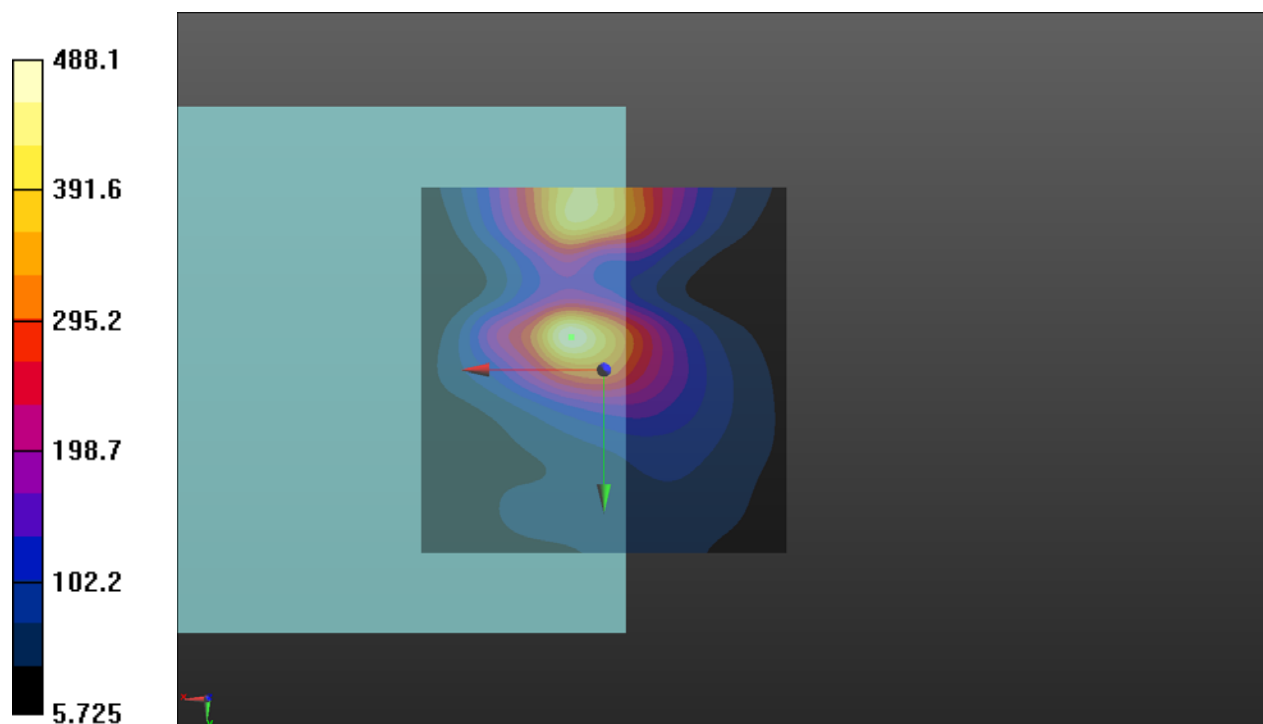
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 53.77 dB

ABM1 comp = 5.79 dBA/m

Location: 4.5, -4.5, 3.7 mm



**P03 T-Coil\_WCDMA II\_Ch9400\_AMR7.95kbps\_Freq Resp****DUT: P21050403**

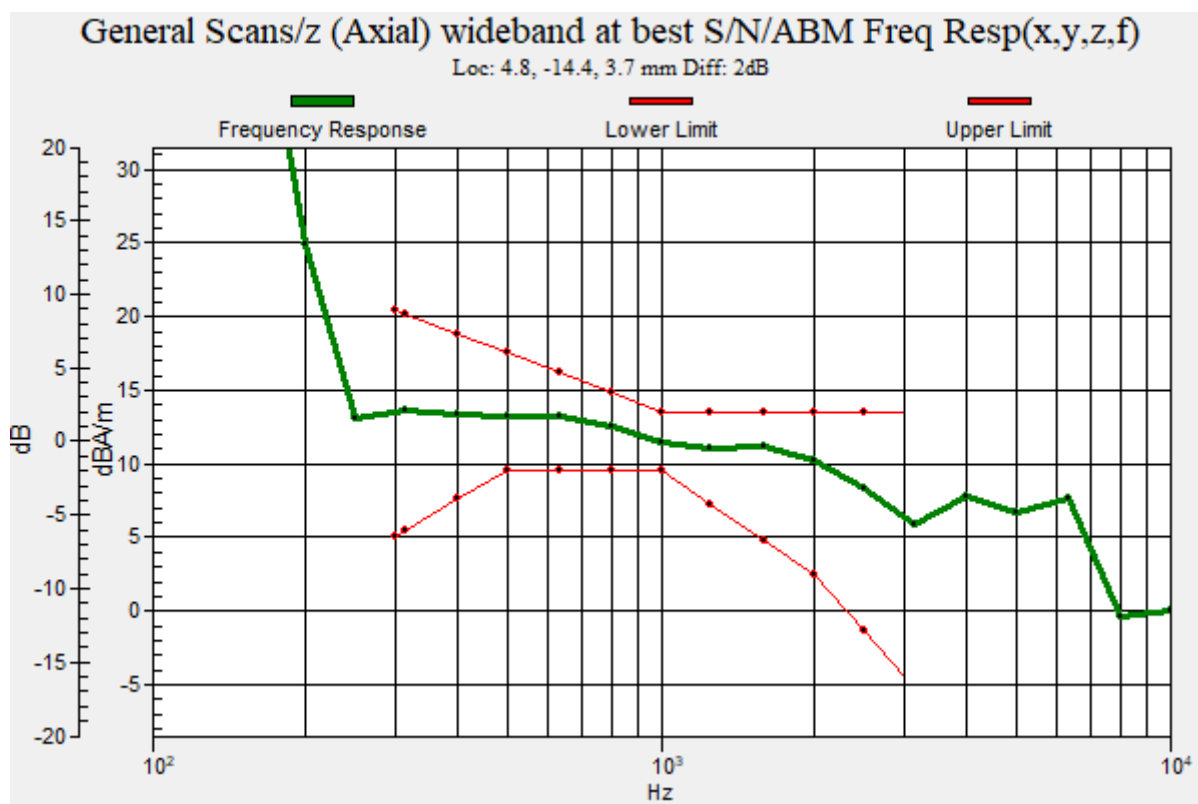
Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1880 MHz; Duty Cycle: 1:1.95

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P04 T-Coil\_WCDMA V\_Ch4182\_AMR7.95kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.4 MHz; Duty Cycle: 1:1.95

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

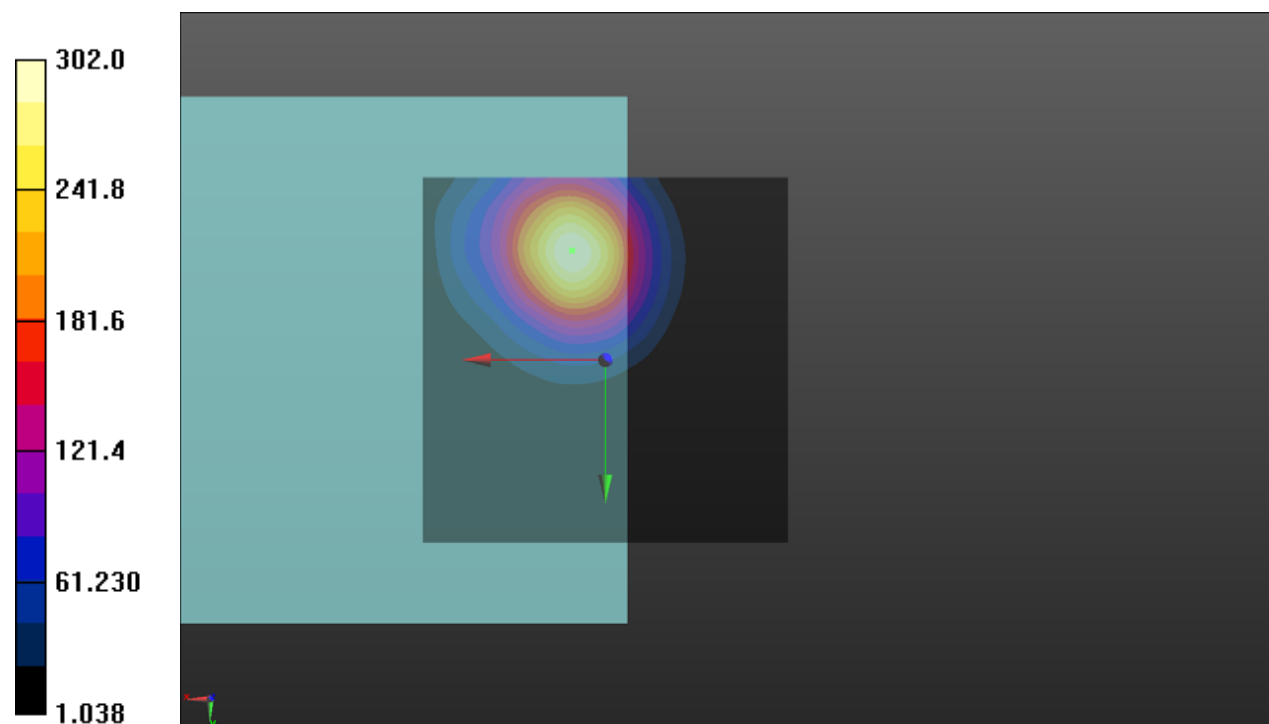
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.60 dB

ABM1 comp = 14.00 dBA/m

Location: 4.5, -15, 3.7 mm



**P04 T-Coil\_WCDMA V\_Ch4182\_AMR7.95kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.4 MHz; Duty Cycle: 1:1.95

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

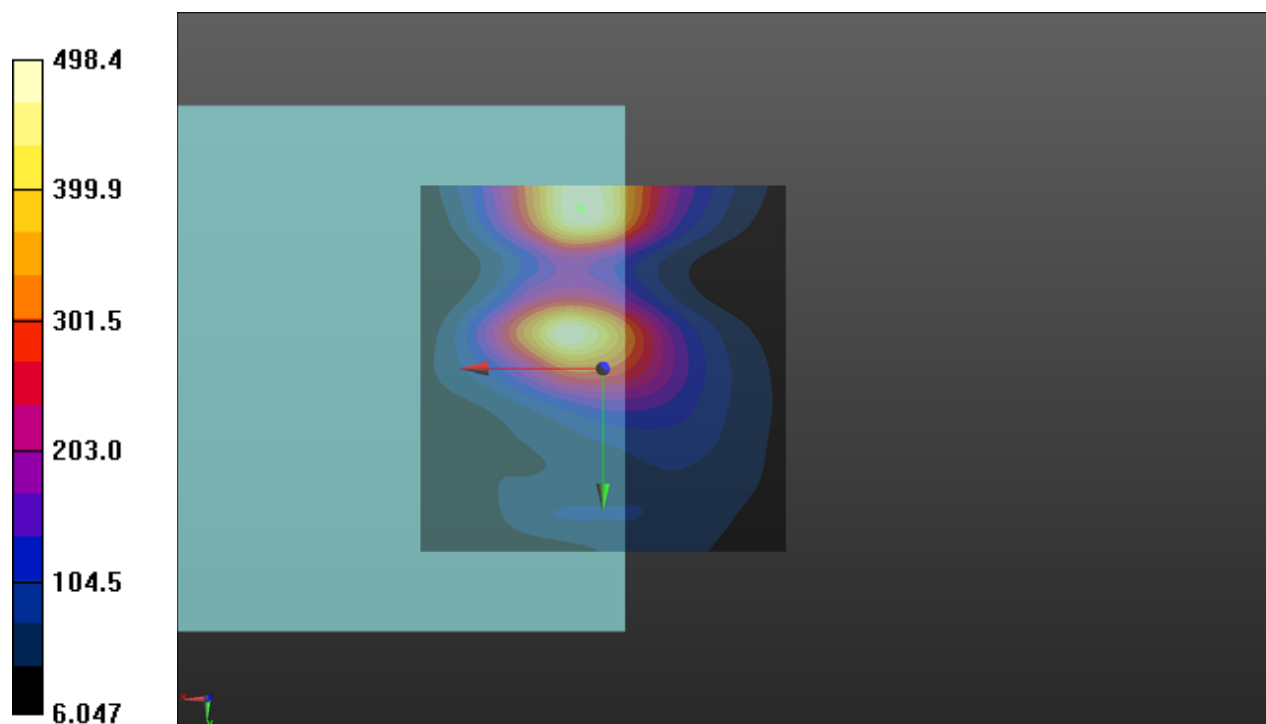
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 53.95 dB

ABM1 comp = 5.47 dBA/m

Location: 3, -22, 3.7 mm



**P04 T-Coil\_WCDMA V\_Ch4182\_AMR7.95kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.4 MHz; Duty Cycle: 1:1.95

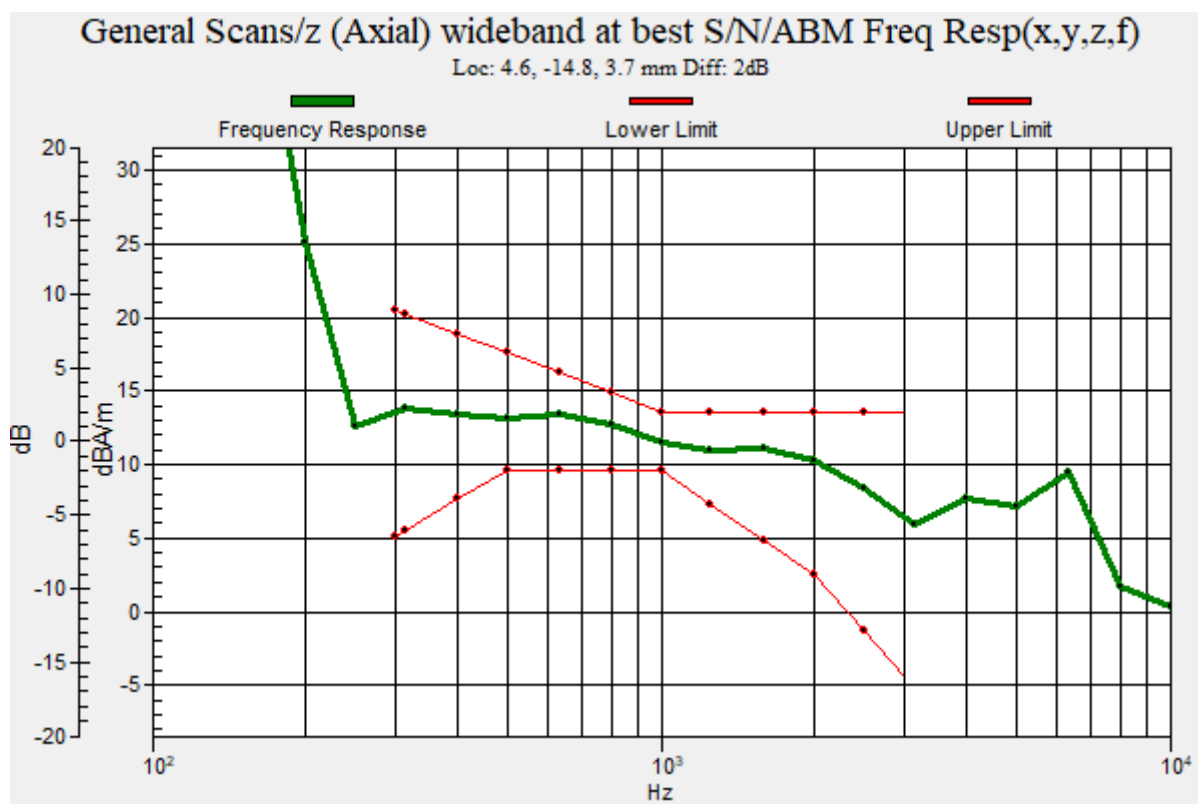
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P05 T-Coil\_LTE 2\_QPSK20M\_Ch18900\_1RB\_OS0\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 1880 MHz;Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

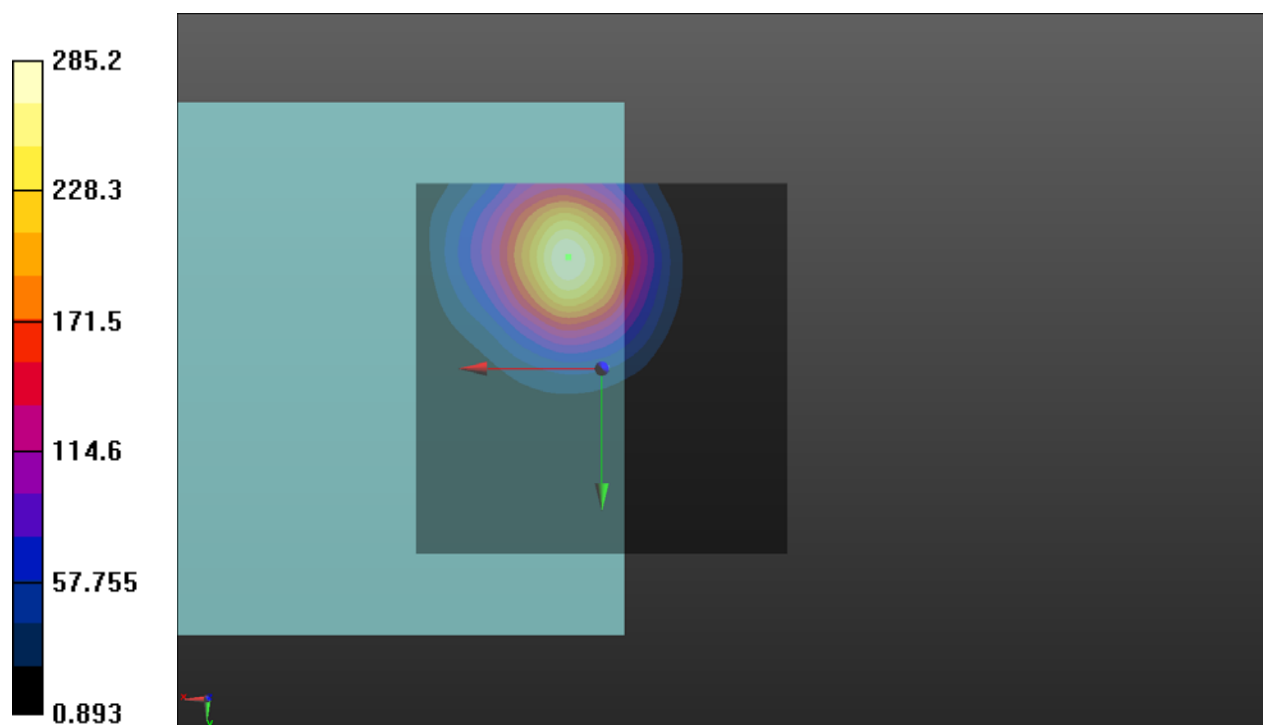
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.10 dB

ABM1 comp = 13.80 dBA/m

Location: 4.5, -15, 3.7 mm



**P05 T-Coil\_LTE 2\_QPSK20M\_Ch18900\_1RB\_OS0\_AMR WB 6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1880 MHz;Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

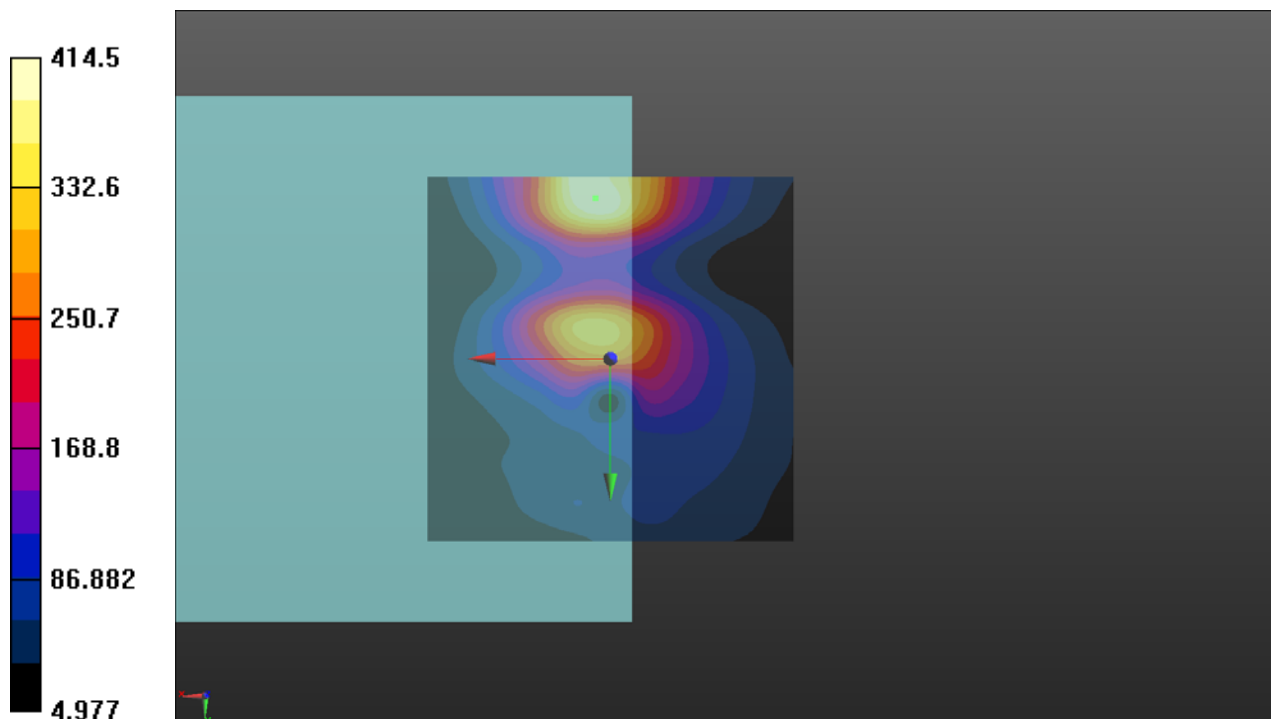
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 52.35 dB

ABM1 comp = 4.82 dBA/m

Location: 2, -22, 3.7 mm



**P05 T-Coil\_LTE 2\_QPSK20M\_Ch18900\_1RB\_OS0\_AMR WB 6.6kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1880 MHz; Duty Cycle: 1:3.74

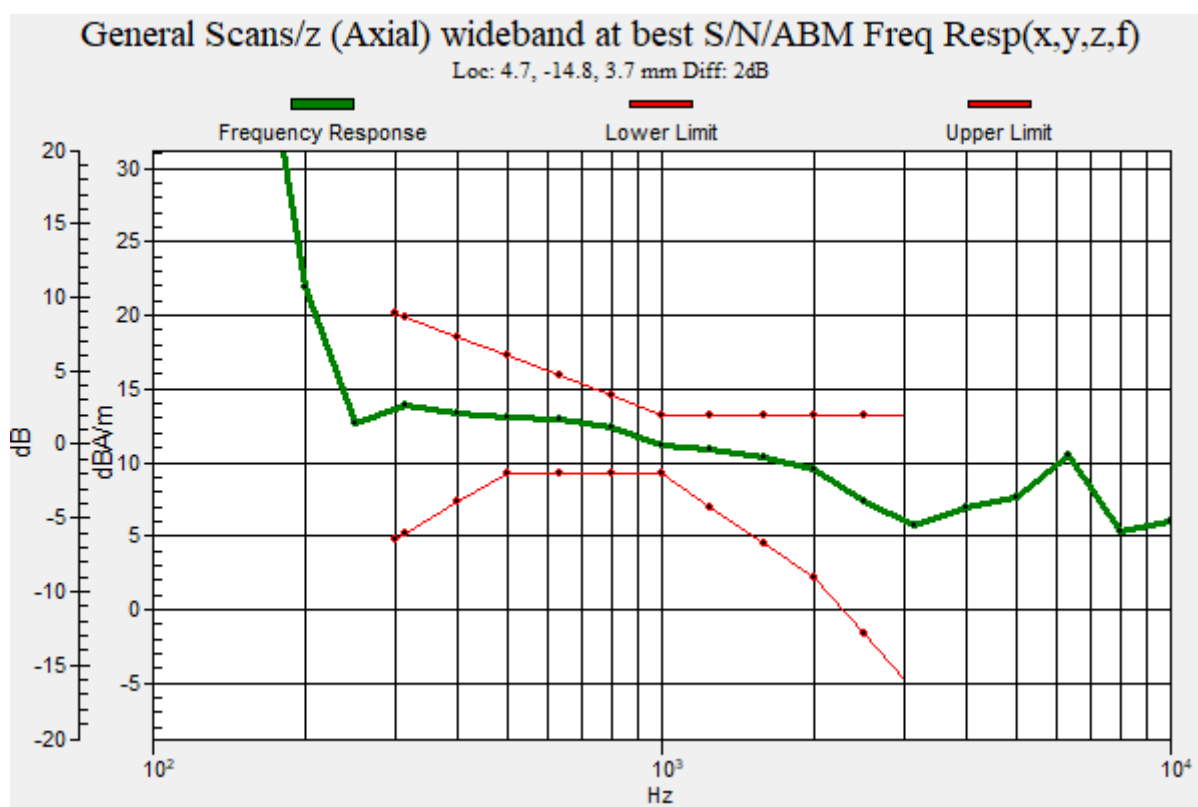
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P06 T-Coil\_LTE 4\_QPSK20M\_Ch20175\_1RB\_OS0\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 1732.5 MHz; Duty Cycle: 1:3.74

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

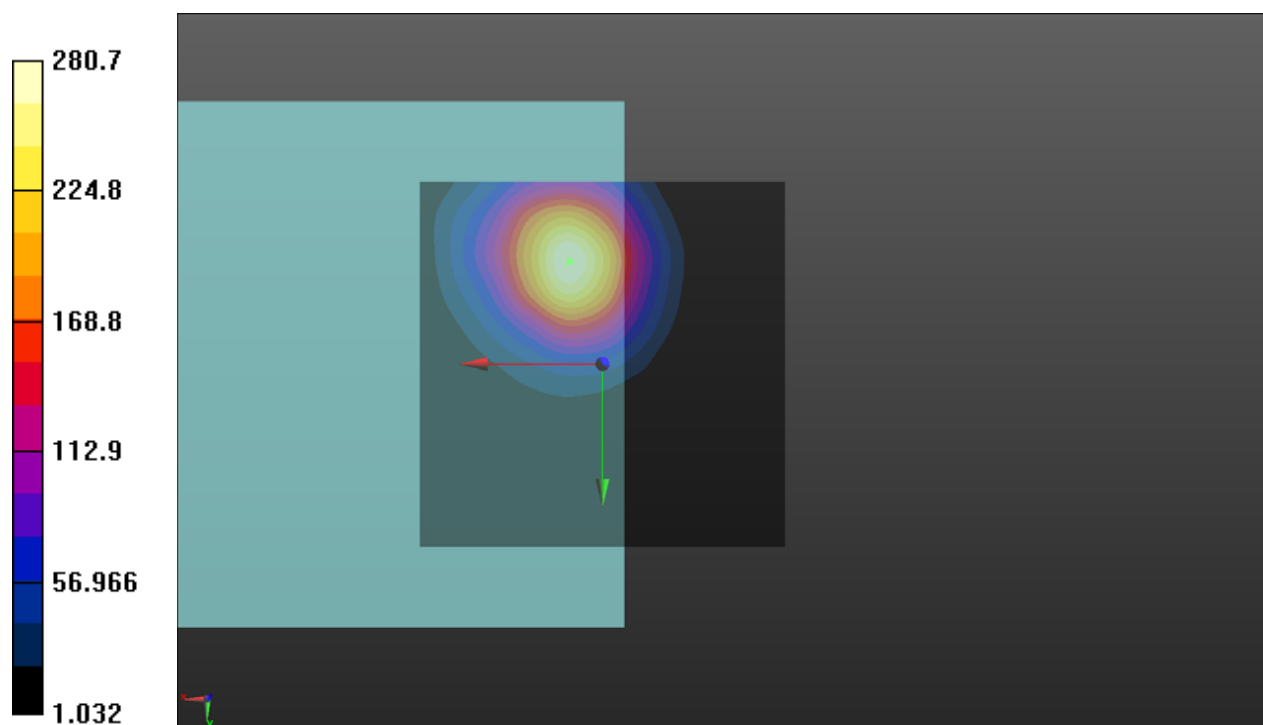
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.96 dB

ABM1 comp = 13.80 dBA/m

Location: 4.5, -14, 3.7 mm



**P06 T-Coil\_LTE 4\_QPSK20M\_Ch20175\_1RB\_OS0\_AMR WB 6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 1732.5 MHz; Duty Cycle: 1:3.74

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

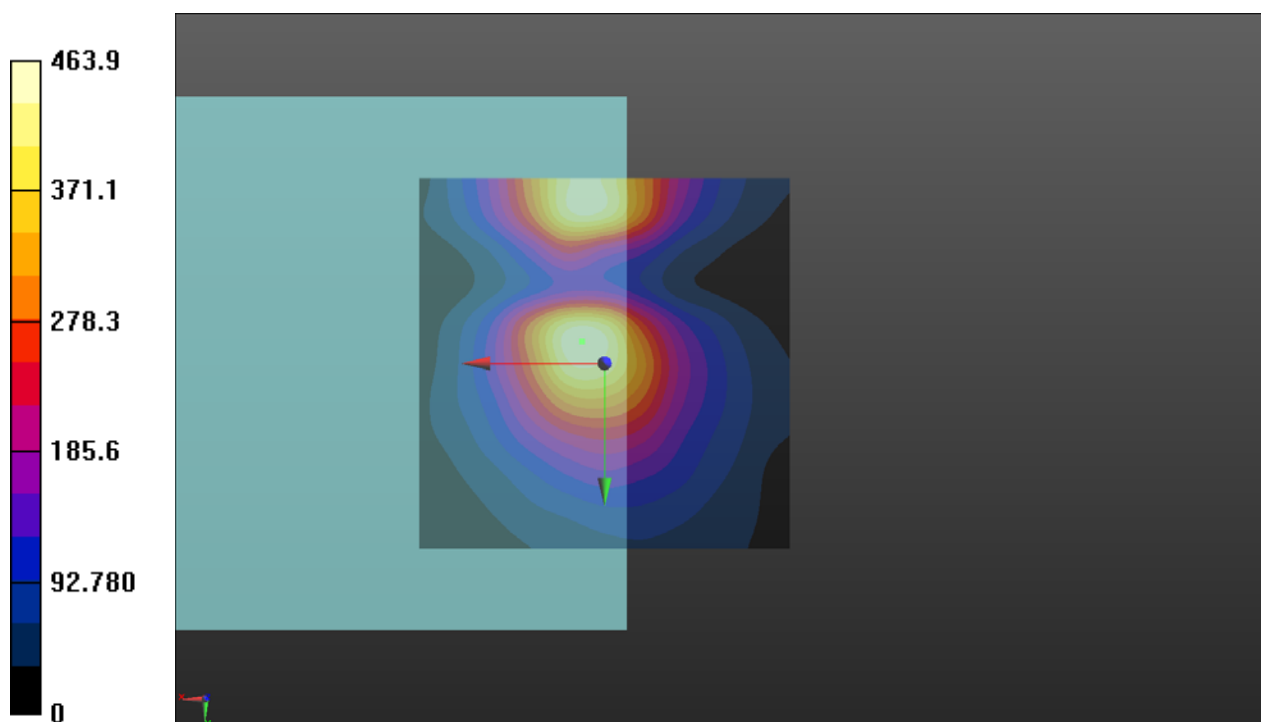
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 53.33 dB

ABM1 comp = 5.45 dBA/m

Location: 3, -3, 3.7 mm



**P06 T-Coil\_LTE 4\_QPSK20M\_Ch20175\_1RB\_OS0\_AMR WB 6.6kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1732.5 MHz; Duty Cycle: 1:3.74

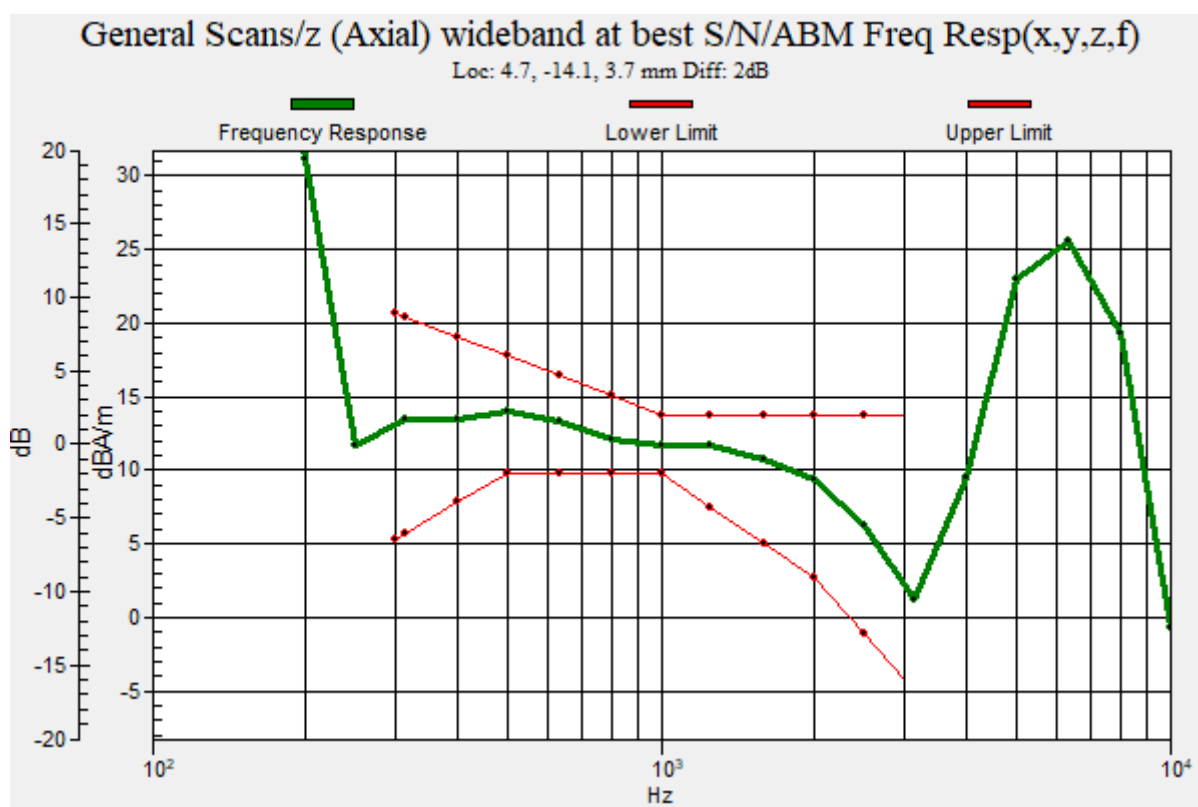
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P07 T-Coil\_LTE 5\_QPSK10M\_Ch20525\_1RB\_OS0\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);  
Frequency: 836.5 MHz; Duty Cycle: 1:3.74

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

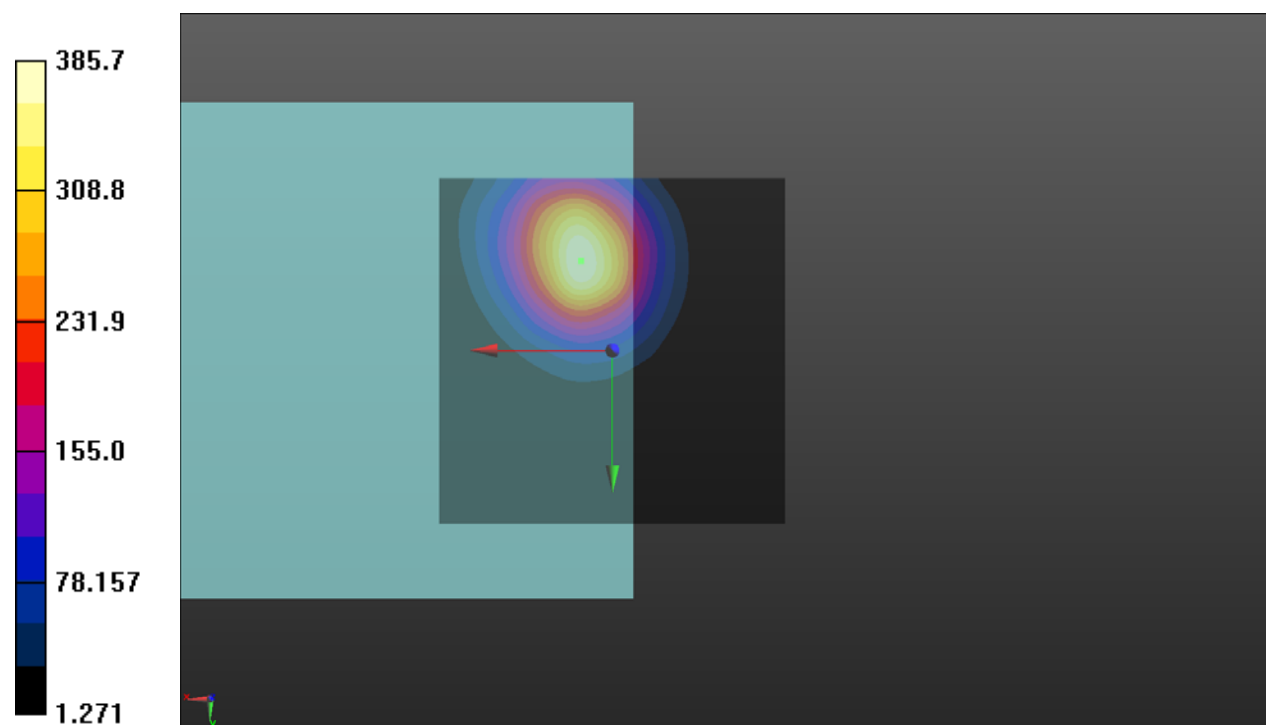
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 51.73 dB

ABM1 comp = 13.91 dBA/m

Location: 4.5, -13, 3.7 mm



## P07 T-Coil\_LTE 5\_QPSK10M\_Ch20525\_1RB\_OS0\_AMR WB 6.6kbps\_Radial (Y)

**DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 836.5 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

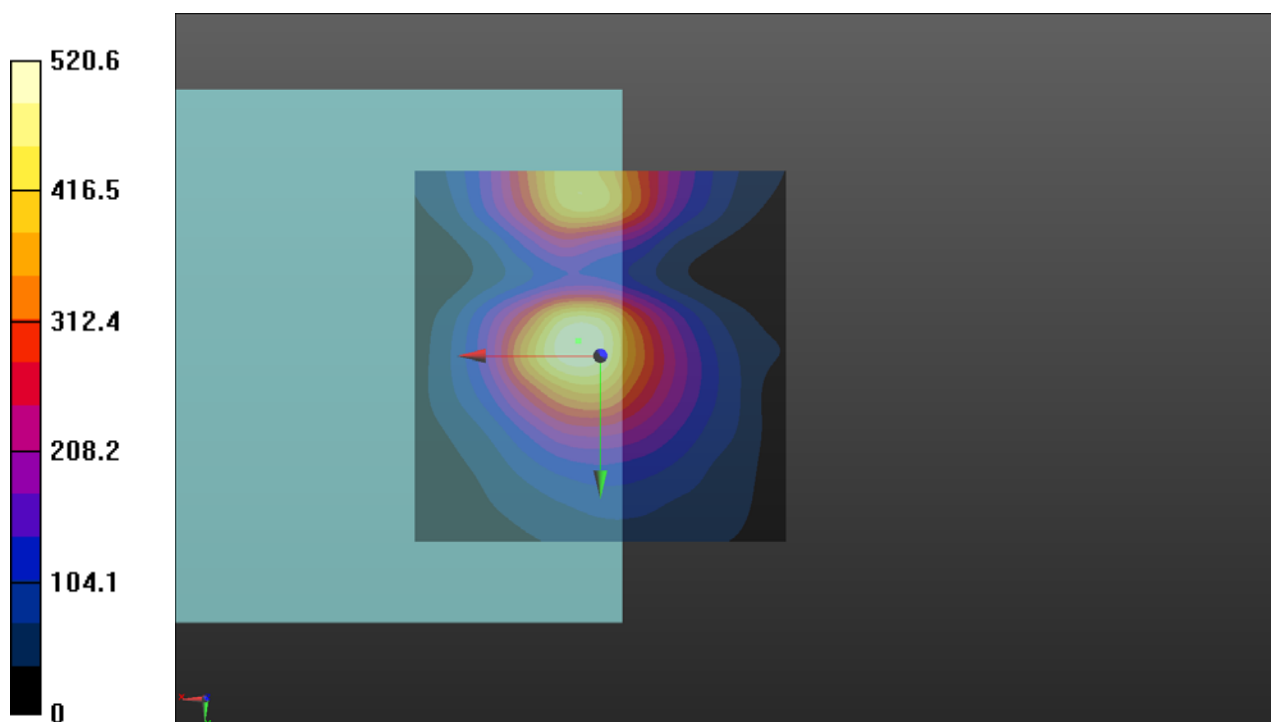
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 54.33 dB

ABM1 comp = 5.52 dBA/m

Location: 3, -2, 3.7 mm



**P07 T-Coil\_LTE 5\_QPSK10M\_Ch20525\_1RB\_OS0\_AMR WB 6.6kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 836.5 MHz; Duty Cycle: 1:3.74

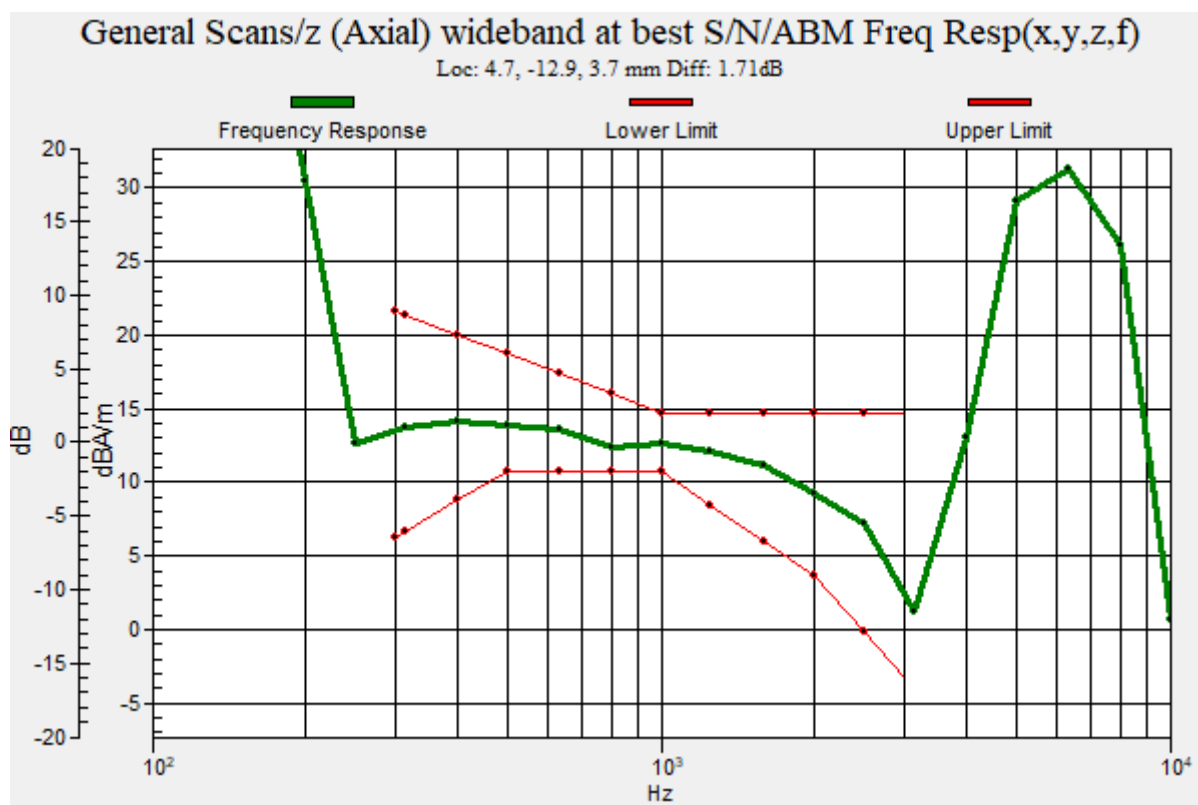
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P08 T-Coil\_LTE 7\_QPSK20M\_Ch21100\_1RB\_OS0\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 2535 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

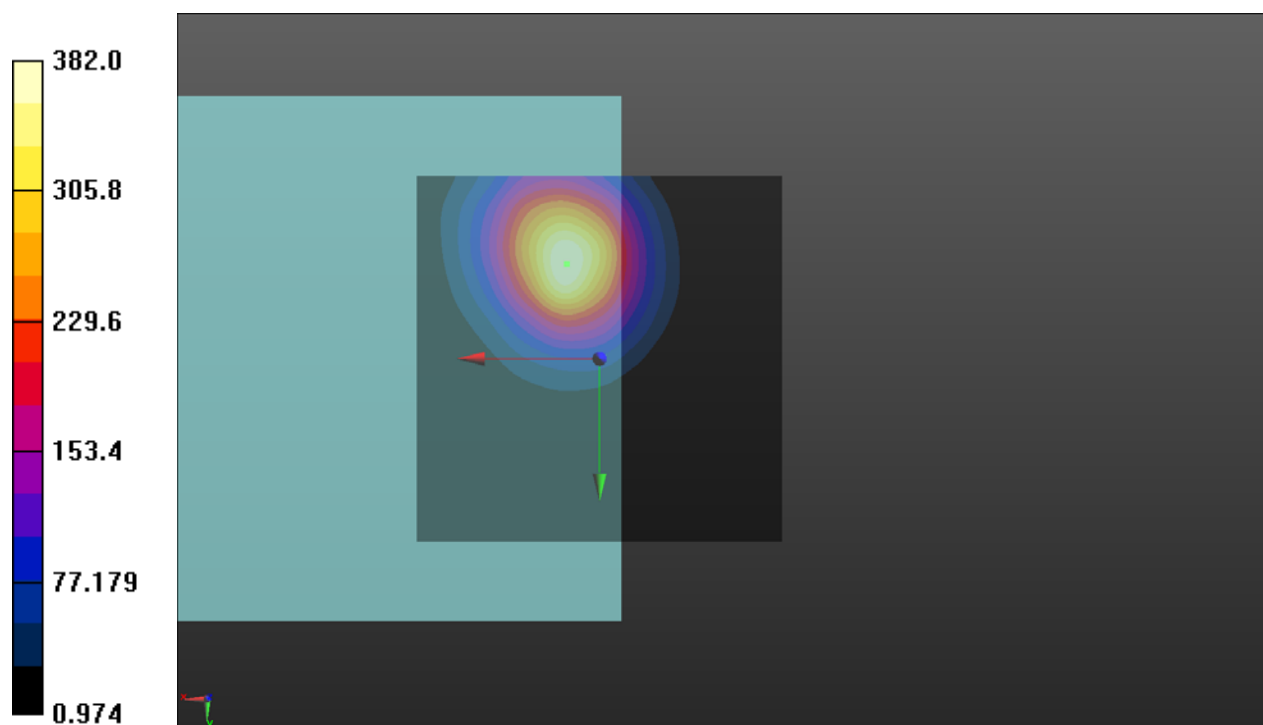
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 51.64 dB

ABM1 comp = 14.30 dBA/m

Location: 4.5, -13, 3.7 mm



**P08 T-Coil\_LTE 7\_QPSK20M\_Ch21100\_1RB\_OS0\_AMR WB 6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 2535 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

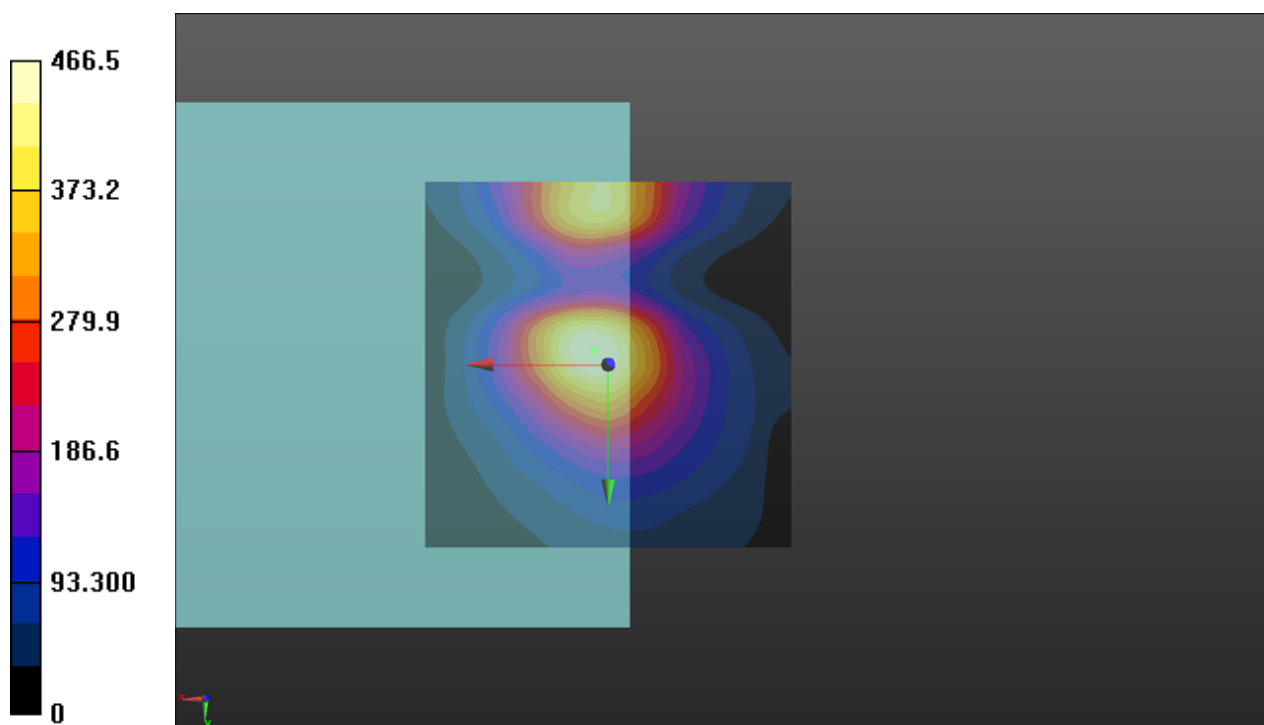
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 53.38 dB

ABM1 comp = 4.92 dBA/m

Location: 2, -2, 3.7 mm



**P08 T-Coil\_LTE 7\_QPSK20M\_Ch21100\_1RB\_OS0\_AMR WB 6.6kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 2535 MHz; Duty Cycle: 1:3.74

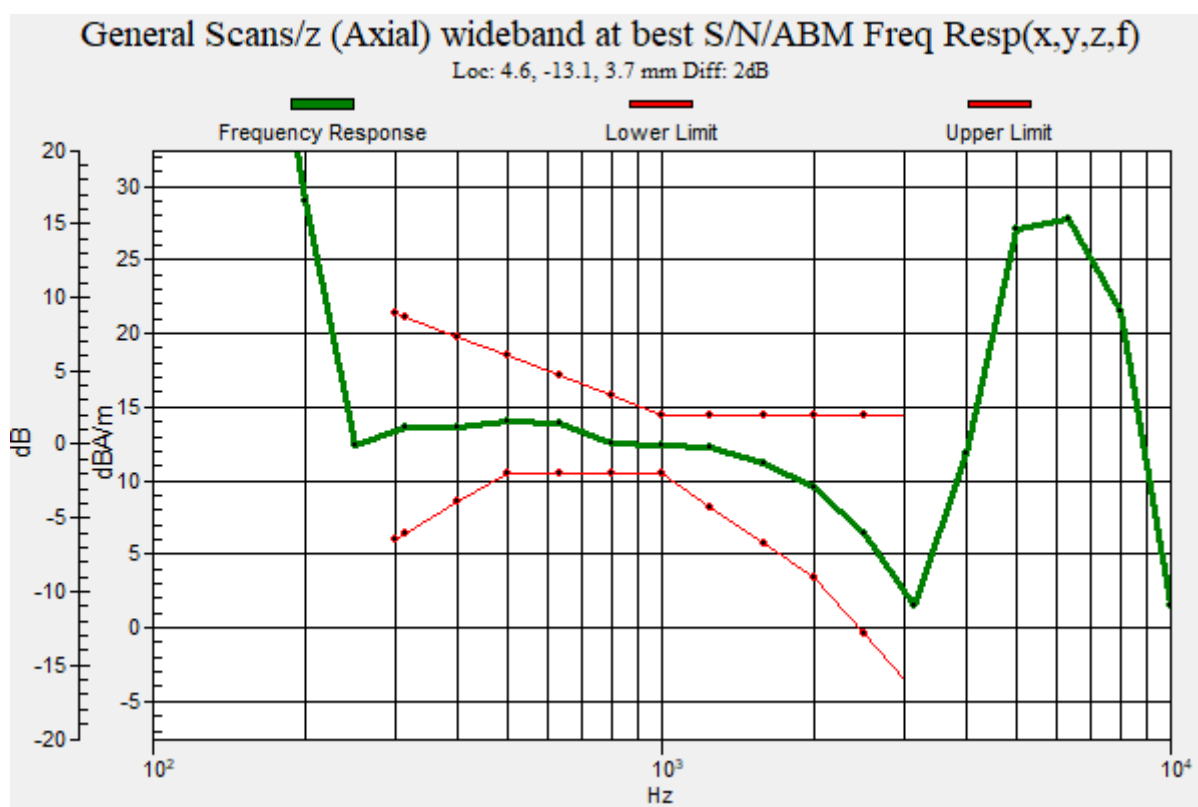
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P09 T-Coil\_LTE 12\_QPSK10M\_Ch23095\_1RB\_OS0\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);  
Frequency: 707.5 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

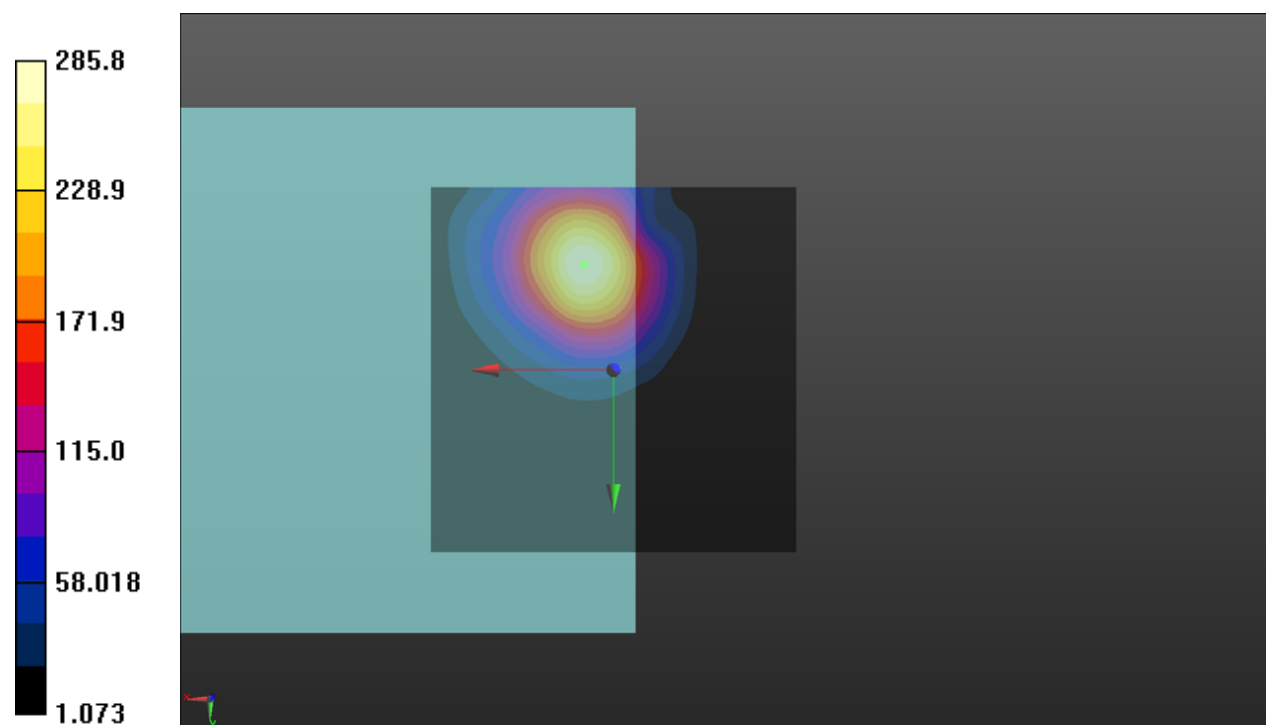
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.12 dB

ABM1 comp = 13.60 dBA/m

Location: 4, -14.5, 3.7 mm



**P09 T-Coil\_LTE 12\_QPSK10M\_Ch23095\_1RB\_OS0\_AMR WB 6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);  
Frequency: 707.5 MHz; Duty Cycle: 1:3.74

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

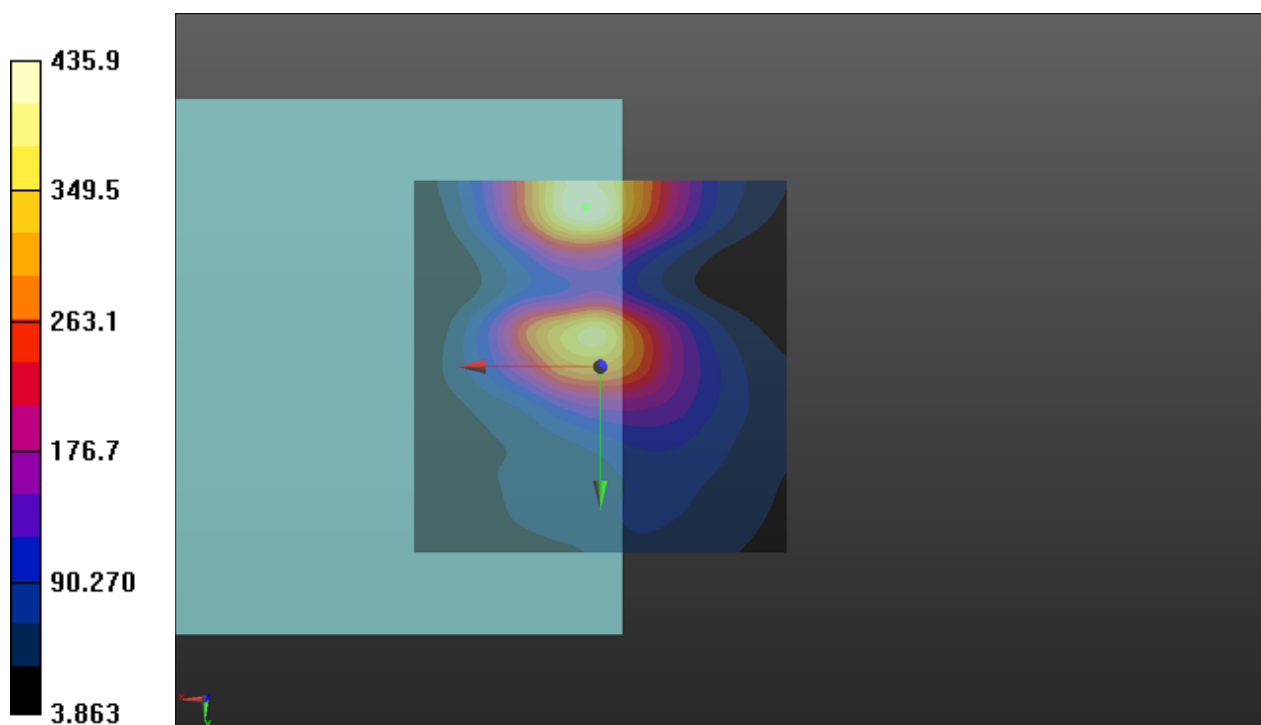
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 52.79 dB

ABM1 comp = 5.28 dBA/m

Location: 2, -21.5, 3.7 mm



**P09 T-Coil\_LTE 12\_QPSK10M\_Ch23095\_1RB\_OS0\_AMR WB 6.6kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 707.5 MHz; Duty Cycle: 1:3.74

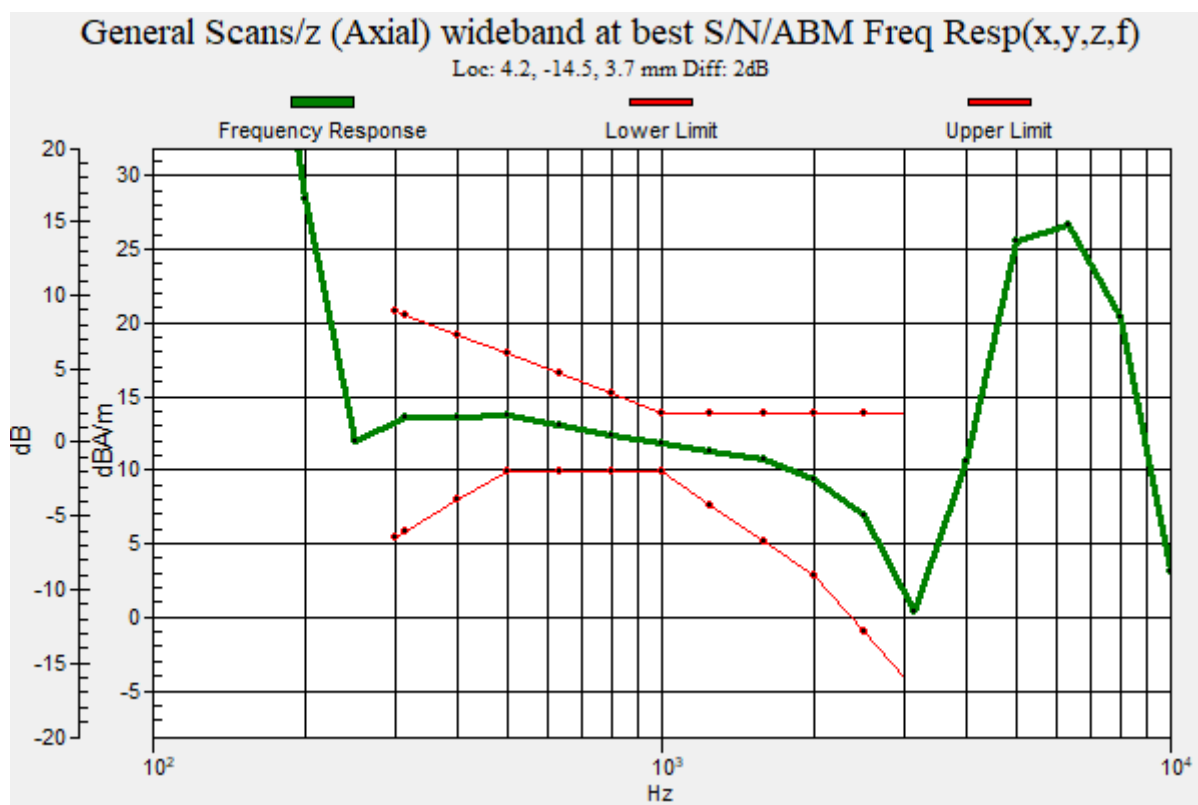
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P10 T-Coil\_LTE 13\_QPSK10M\_Ch23230\_1RB\_OS0\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 782 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

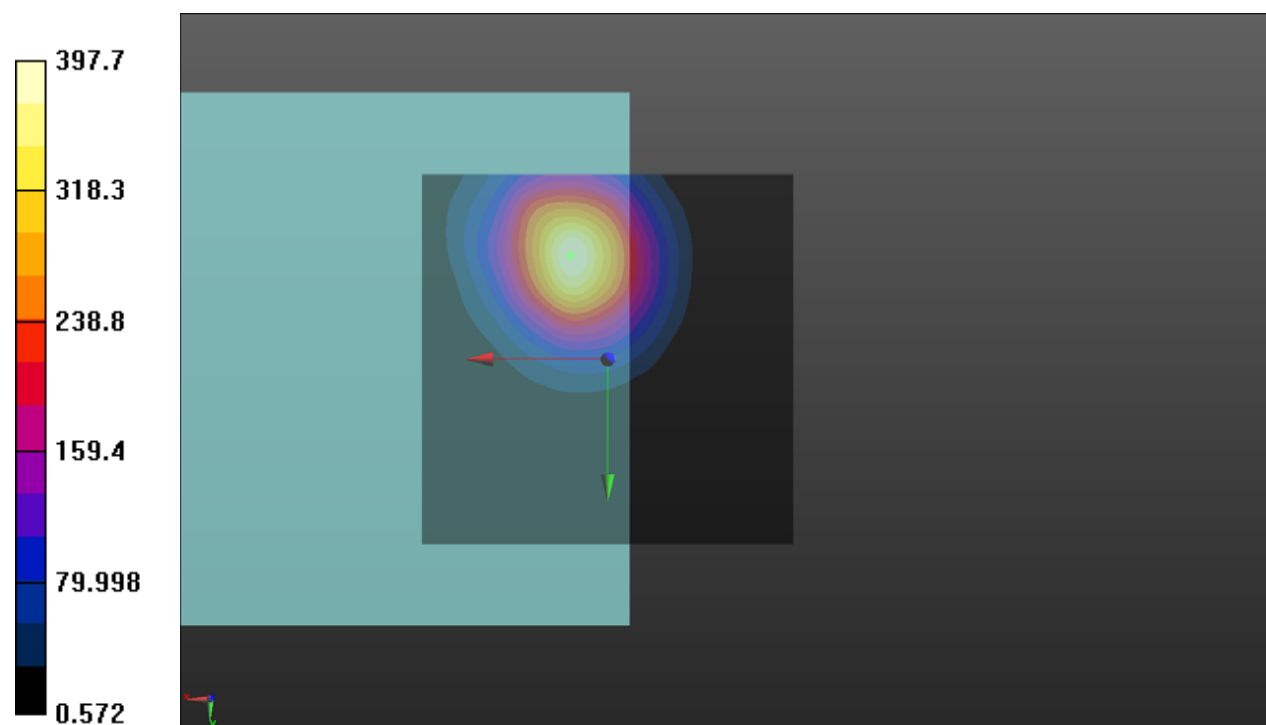
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 51.99 dB

ABM1 comp = 14.50 dBA/m

Location: 5, -14, 3.7 mm



**P10 T-Coil\_LTE 13\_QPSK10M\_Ch23230\_1RB\_OS0\_AMR WB 6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 782 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

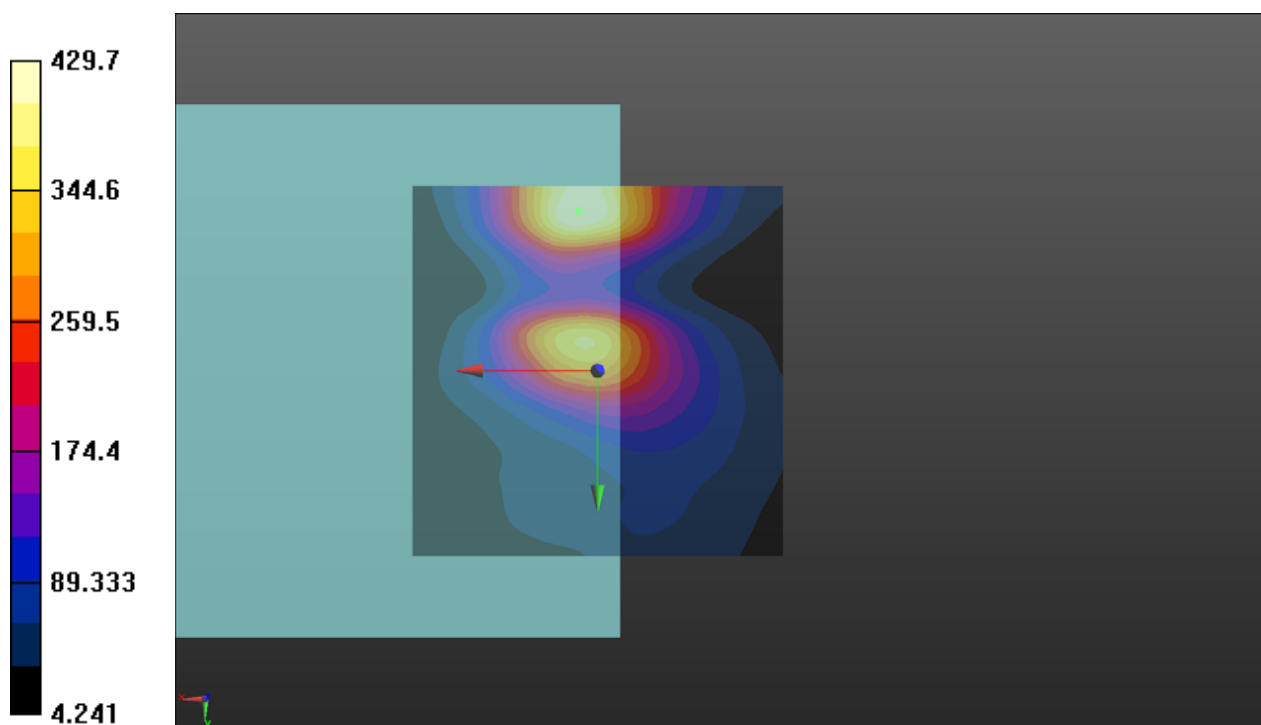
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 52.66 dB

ABM1 comp = 5.32 dBA/m

Location: 2.5, -21.5, 3.7 mm



**P10 T-Coil\_LTE 13\_QPSK10M\_Ch23230\_1RB\_OS0\_AMR WB 6.6kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 782 MHz; Duty Cycle: 1:3.74

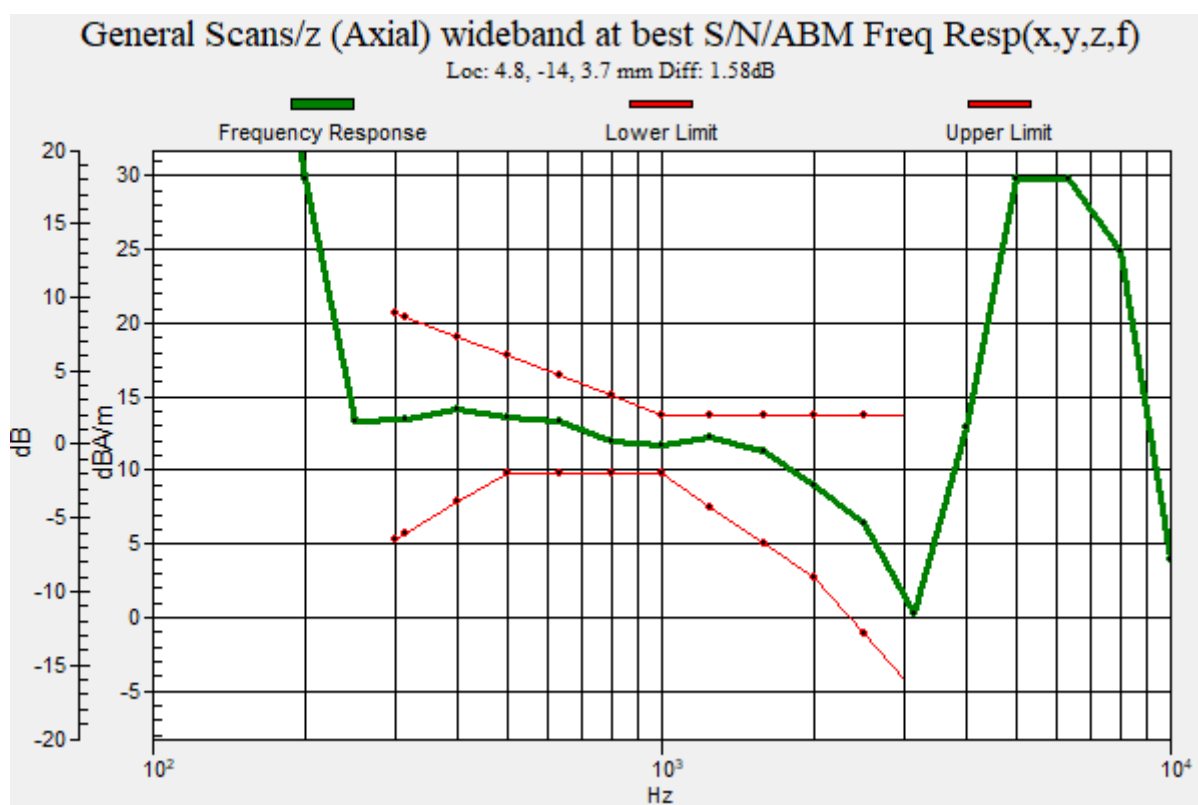
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P11 T-Coil\_LTE 48\_QPSK20M\_Ch56210\_1RB\_OS0\_UL0\_AMR WB  
6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 3647 MHz;Duty Cycle: 1:8.33

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

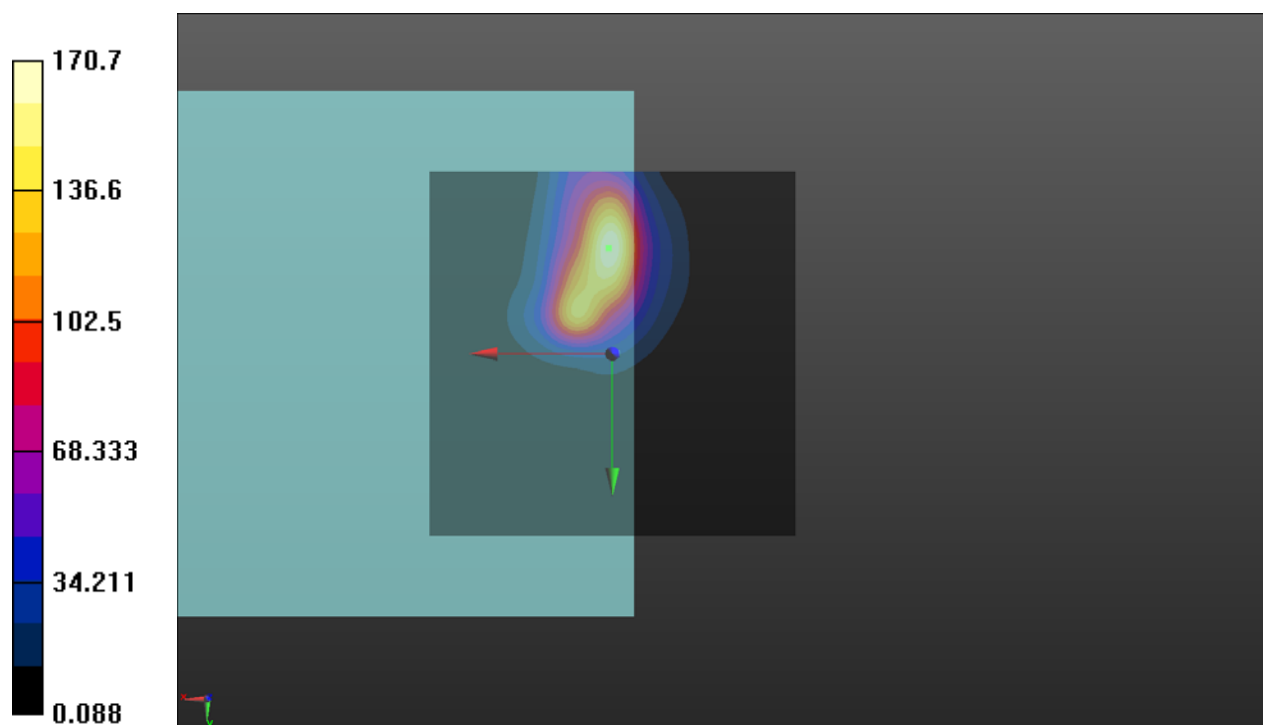
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 44.65 dB

ABM1 comp = 11.12 dBA/m

Location: 0.5, -14.5, 3.7 mm



**P11 T-Coil\_LTE 48\_QPSK20M\_Ch56210\_1RB\_OS0\_UL0\_AMR WB  
6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 3647 MHz; Duty Cycle: 1:8.33

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

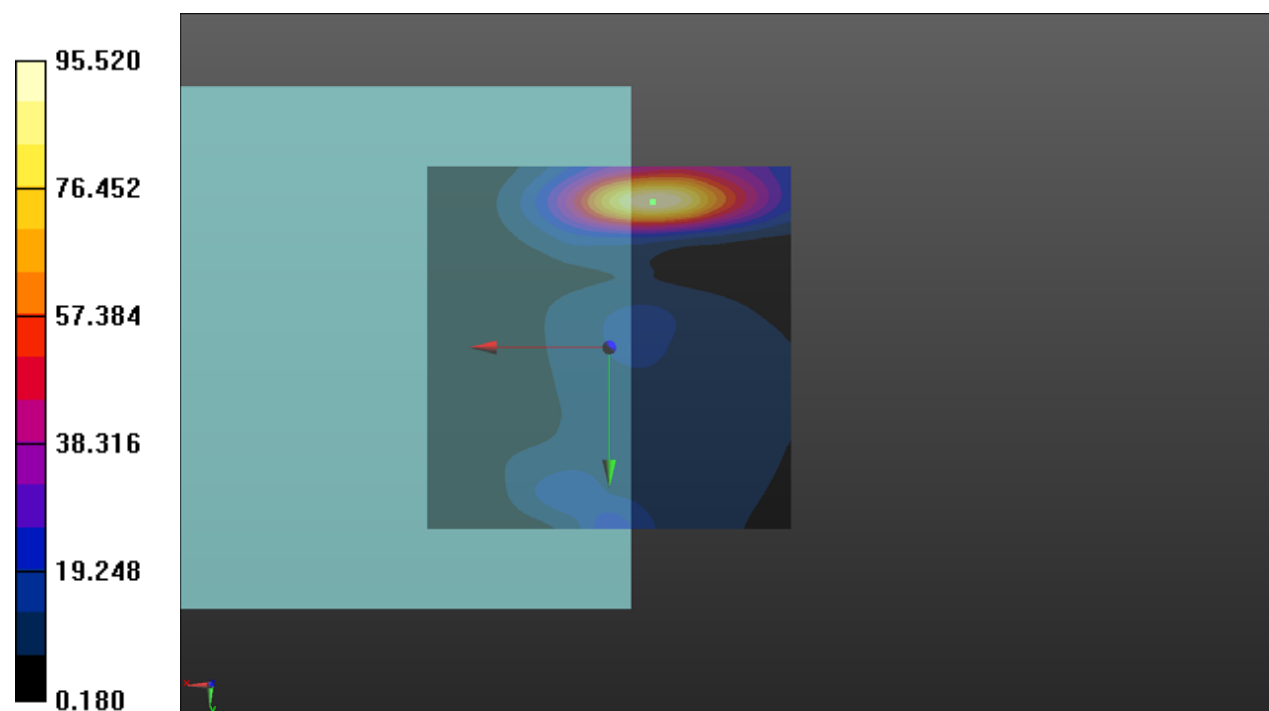
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.60 dB

ABM1 comp = -1.66 dBA/m

Location: -6, -20, 3.7 mm



## P11 T-Coil\_LTE 48\_QPSK20M\_Ch56210\_1RB\_OS0\_UL0\_AMR WB 6.6kbps\_Freq Resp

**DUT: P21050403**

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 3647 MHz; Duty Cycle: 1:8.33

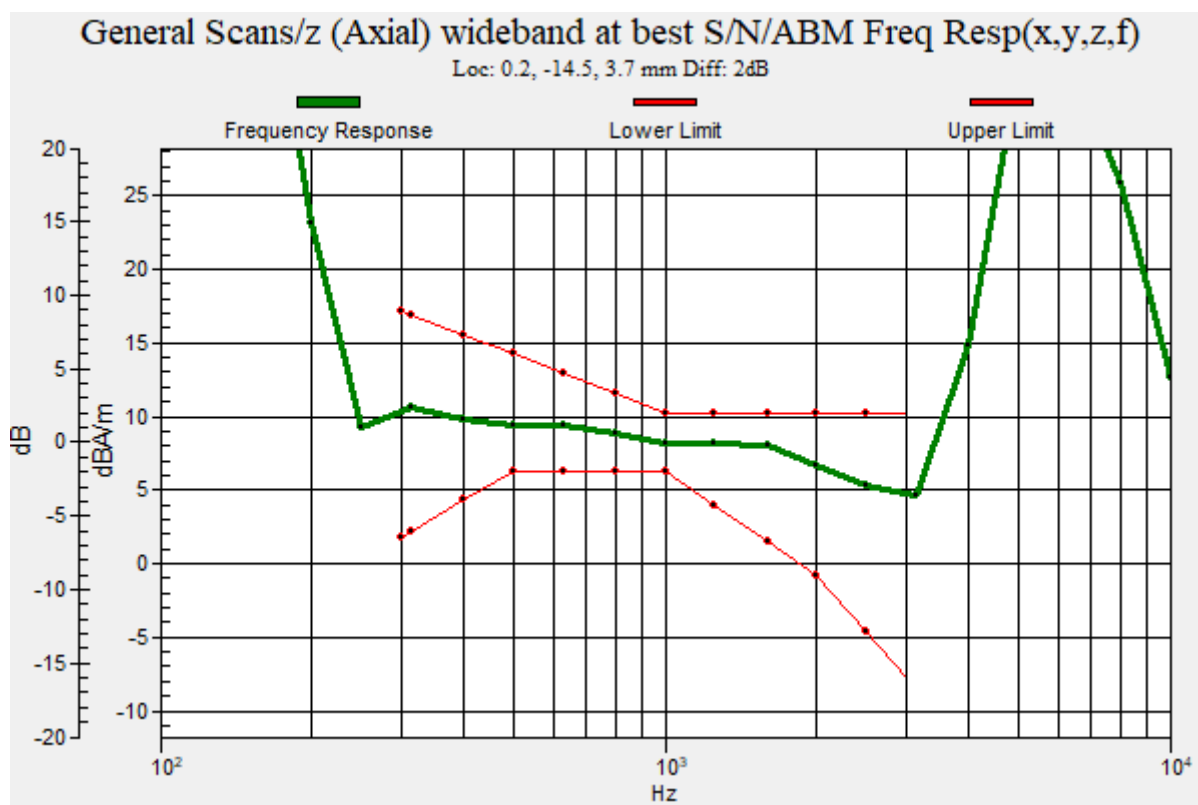
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm



**P12 T-Coil\_LTE 66\_QPSK20M\_Ch132322\_1RB\_OS0\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 1745 MHz; Duty Cycle: 1:3.74

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

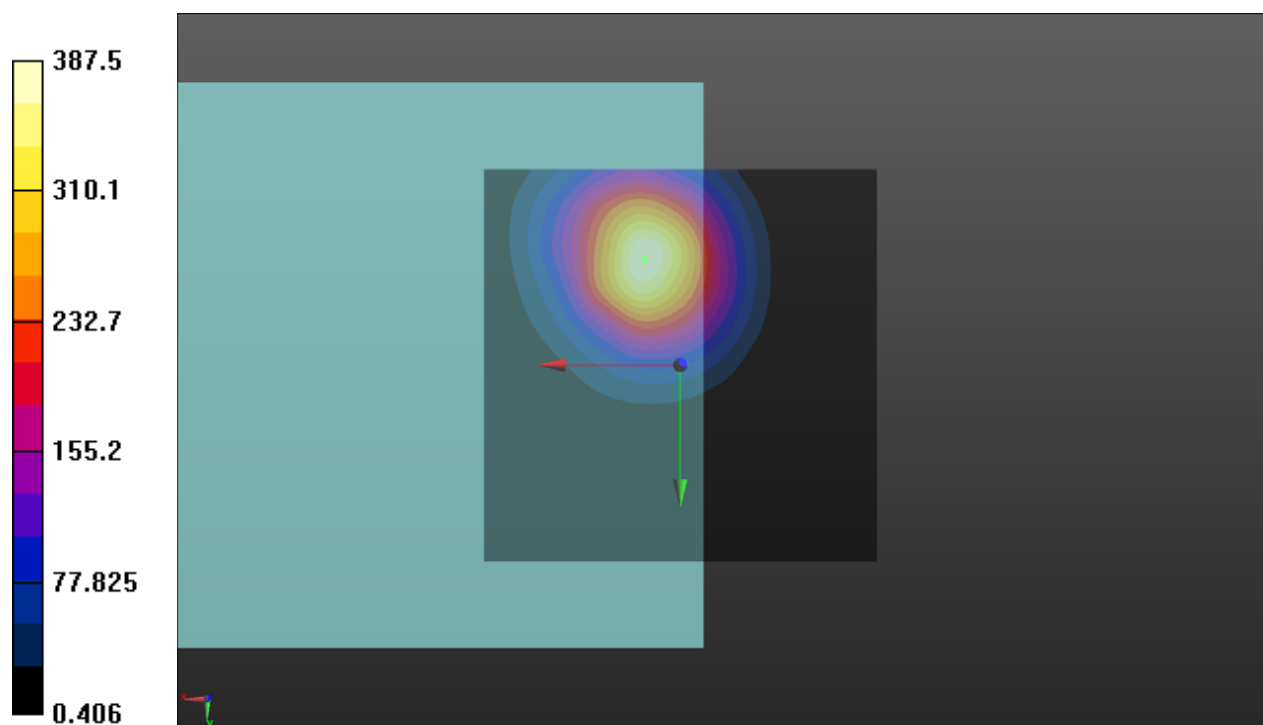
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 51.77 dB

ABM1 comp = 14.19 dBA/m

Location: 4.5, -13.5, 3.7 mm



**P12 T-Coil\_LTE 66\_QPSK20M\_Ch132322\_1RB\_OS0\_AMR WB  
6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 1745 MHz;Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

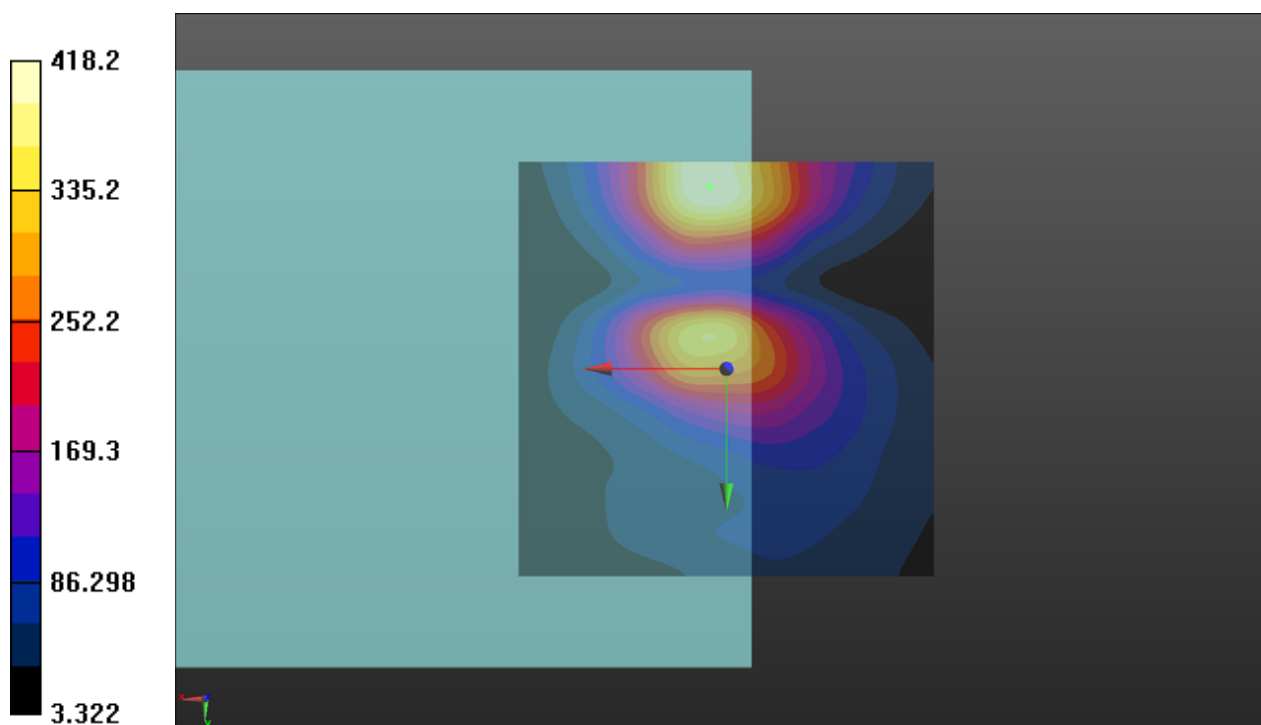
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 52.43 dB

ABM1 comp = 5.07 dBA/m

Location: 2, -22, 3.7 mm



## P12 T-Coil\_LTE 66\_QPSK20M\_Ch132322\_1RB\_OS0\_AMR WB 6.6kbps\_Freq Resp

### DUT: P21050403

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1745 MHz; Duty Cycle: 1:3.74

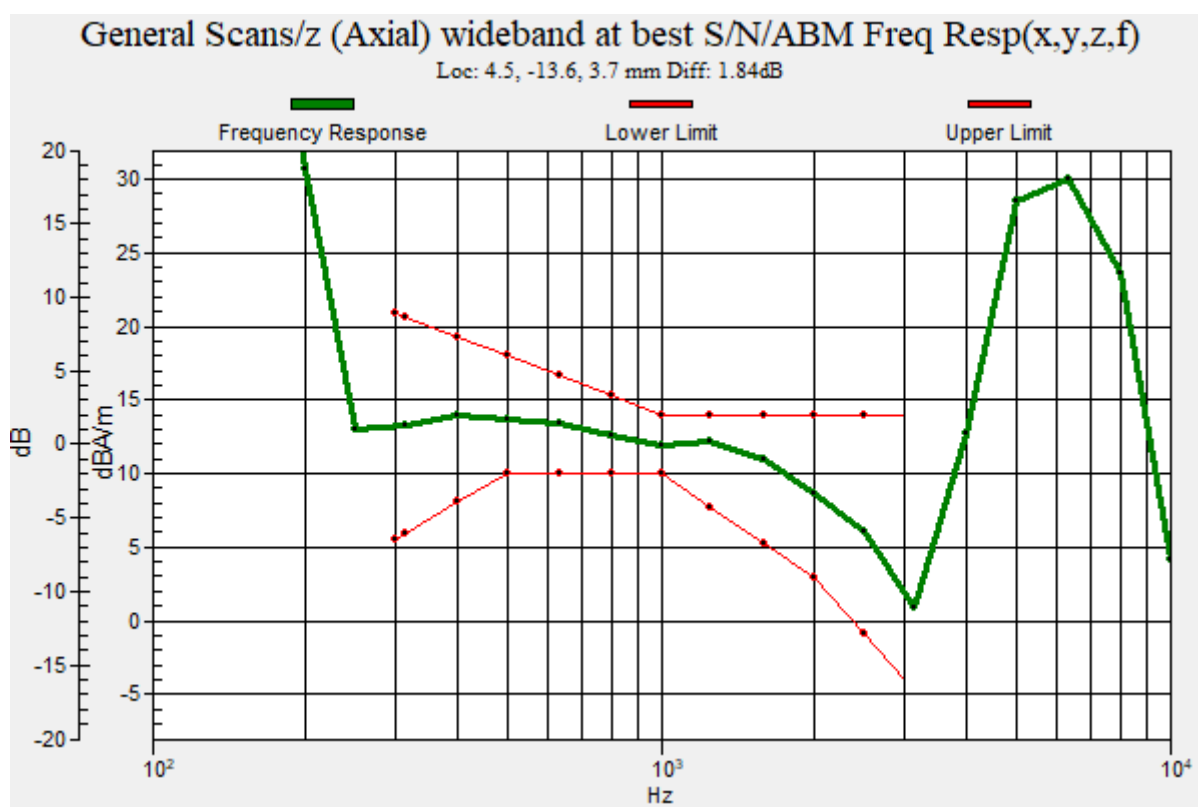
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

### DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm



**P13 T-Coil\_LTE 71\_QPSK20M\_Ch133297\_1RB\_OS0\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 680.5 MHz; Duty Cycle: 1:3.74

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

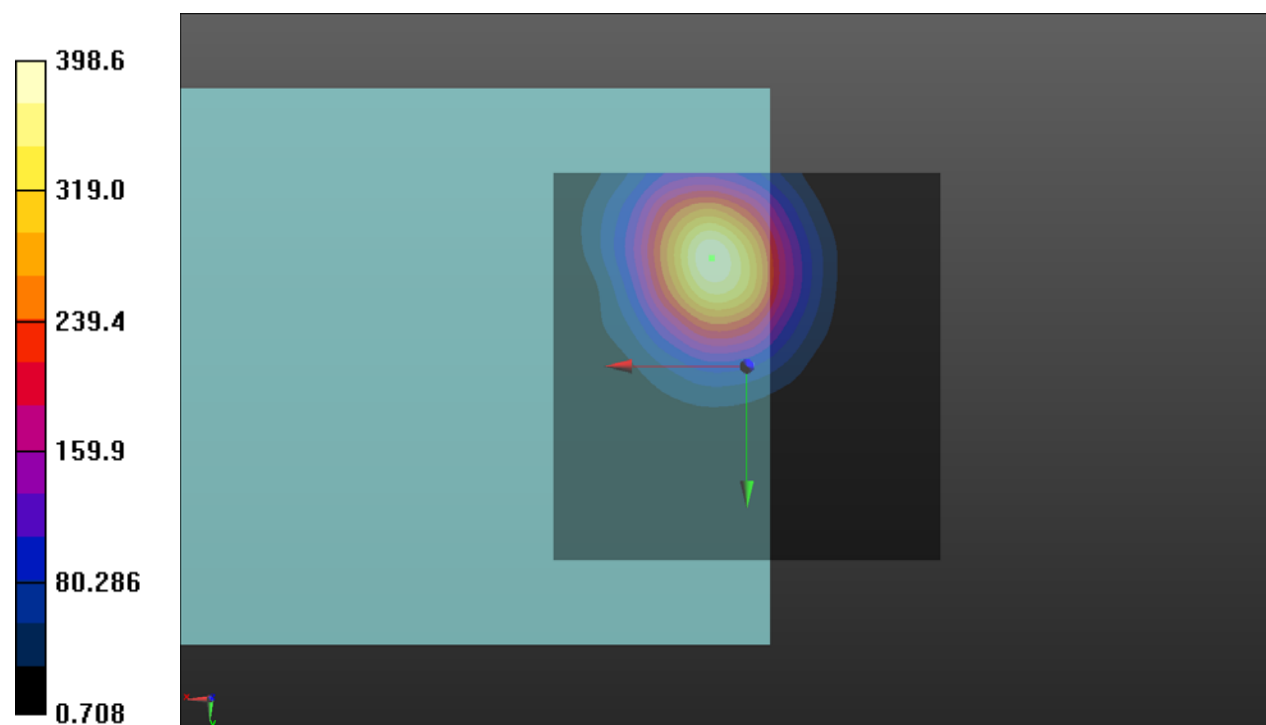
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 52.01 dB

ABM1 comp = 14.14 dBA/m

Location: 4.5, -14, 3.7 mm



**P13 T-Coil\_LTE 71\_QPSK20M\_Ch133297\_1RB\_OS0\_AMR WB  
6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 680.5 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

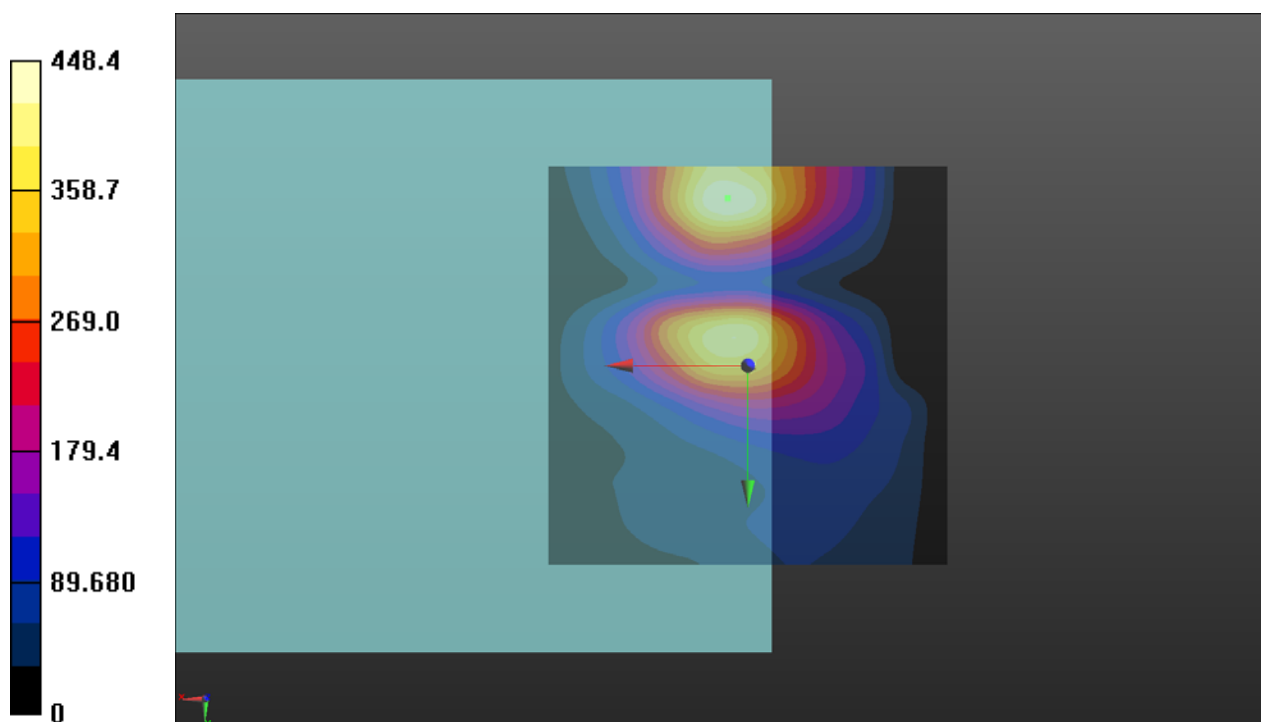
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 53.03 dB

ABM1 comp = 5.44 dBA/m

Location: 2.5, -21, 3.7 mm



## P13 T-Coil\_LTE 71\_QPSK20M\_Ch133297\_1RB\_OS0\_AMR WB 6.6kbps\_Freq Resp

### DUT: P21050403

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);  
Frequency: 680.5 MHz; Duty Cycle: 1:3.74

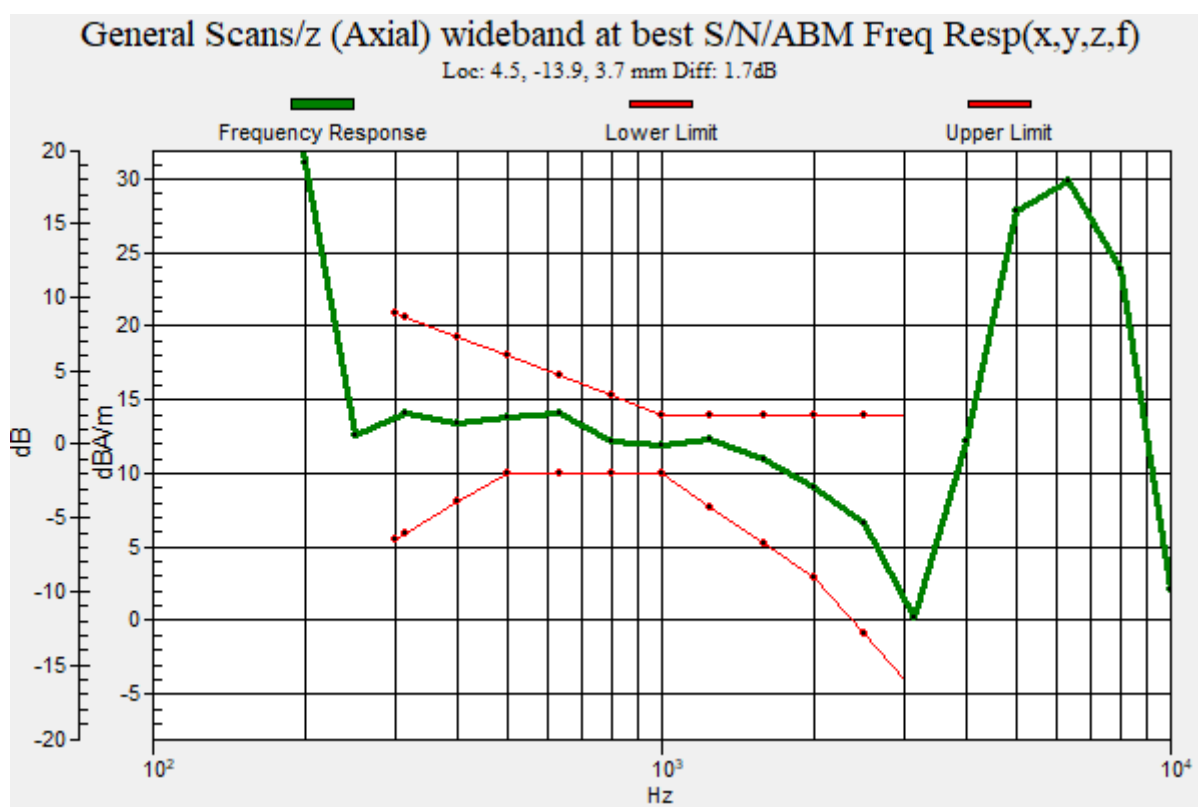
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

### DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm



**P14 T-Coil\_WLAN2.4G\_802.11b\_1Mbps\_Ch6\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2437 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

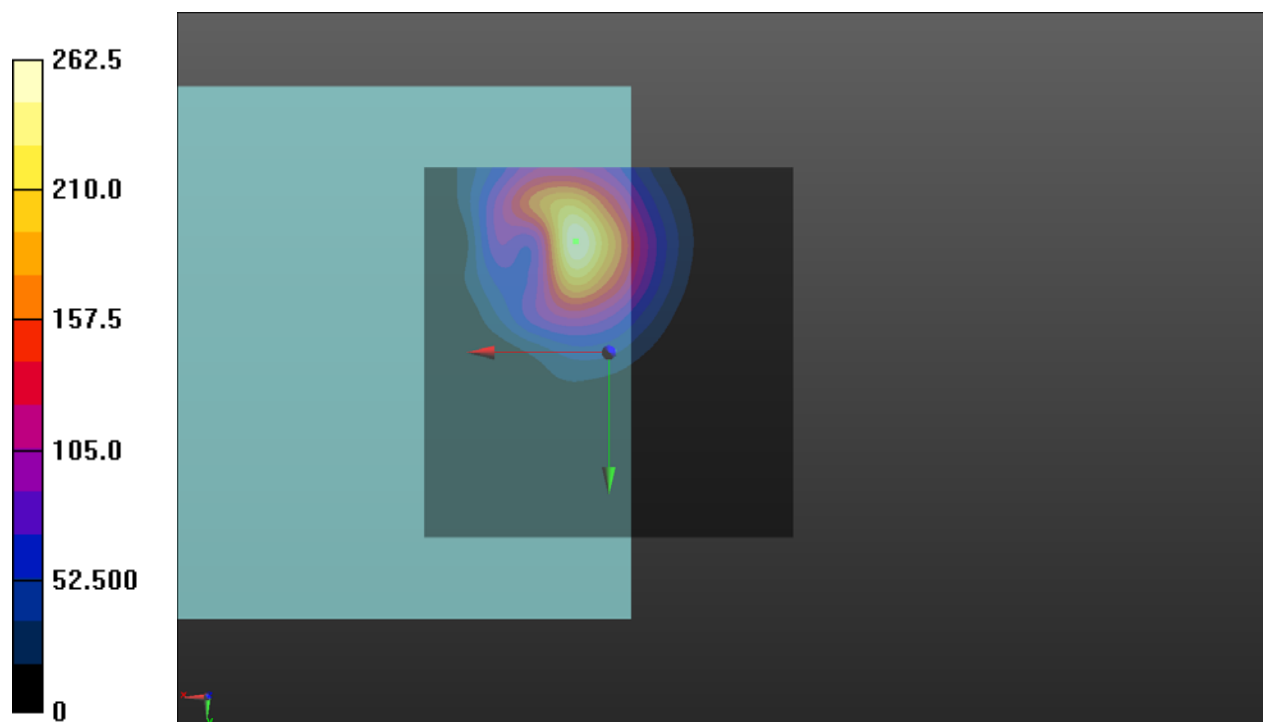
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.38 dB

ABM1 comp = 11.70 dBA/m

Location: 4.5, -15, 3.7 mm



**P14 T-Coil\_WLAN2.4G\_802.11b\_1Mbps\_Ch6\_AMR WB 6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2437 MHz; Duty Cycle: 1:1.54

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

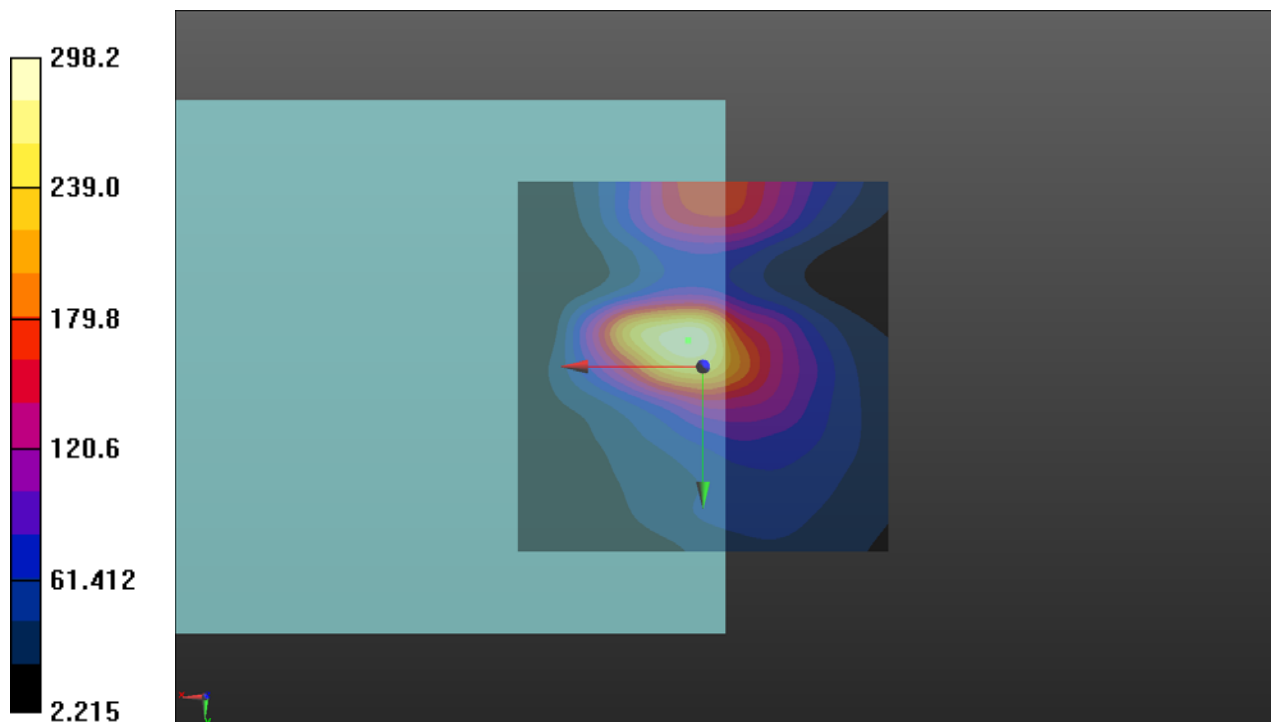
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.49 dB

ABM1 comp = 2.10 dBA/m

Location: 2, -3.5, 3.7 mm



**P14 T-Coil\_WLAN2.4G\_802.11b\_1Mbps\_Ch6\_AMR WB 6.6kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2437 MHz; Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

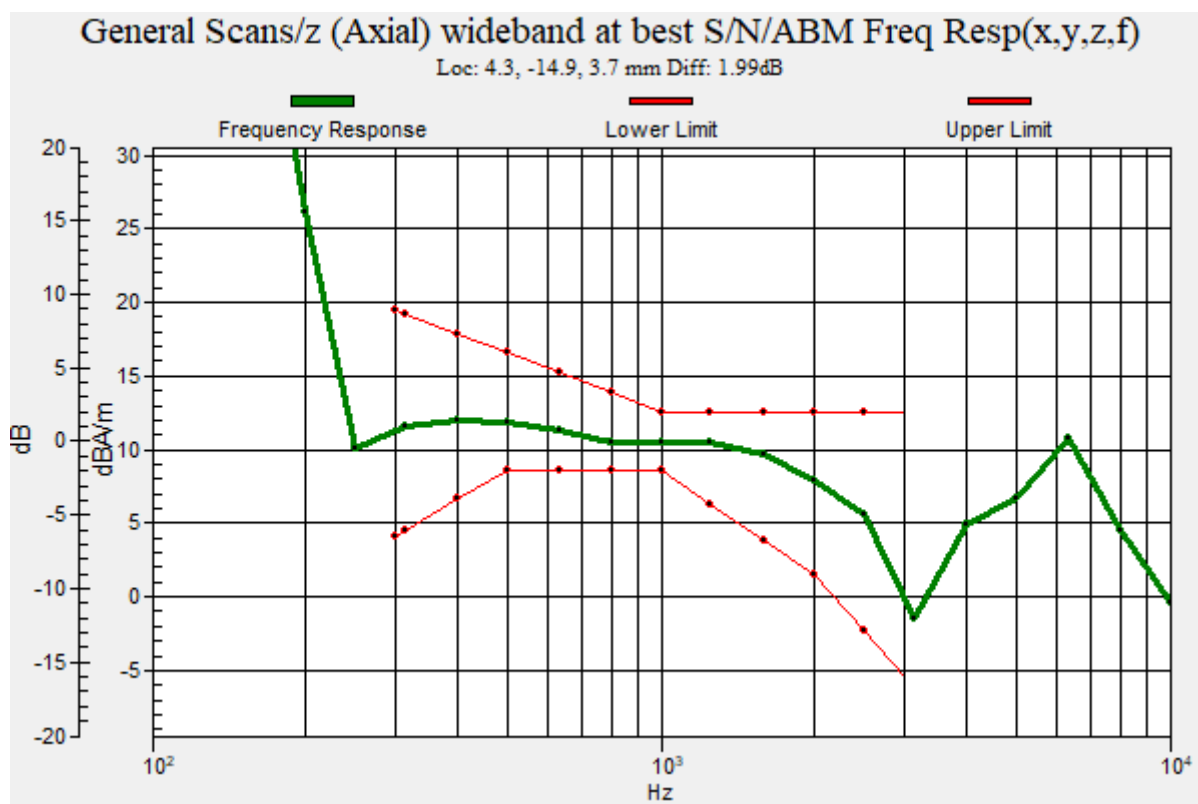
- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm



**P15 T-Coil\_WLAN5.2G\_802.11a\_6Mbps\_Ch40\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5200 MHz;Duty Cycle: 1:1

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

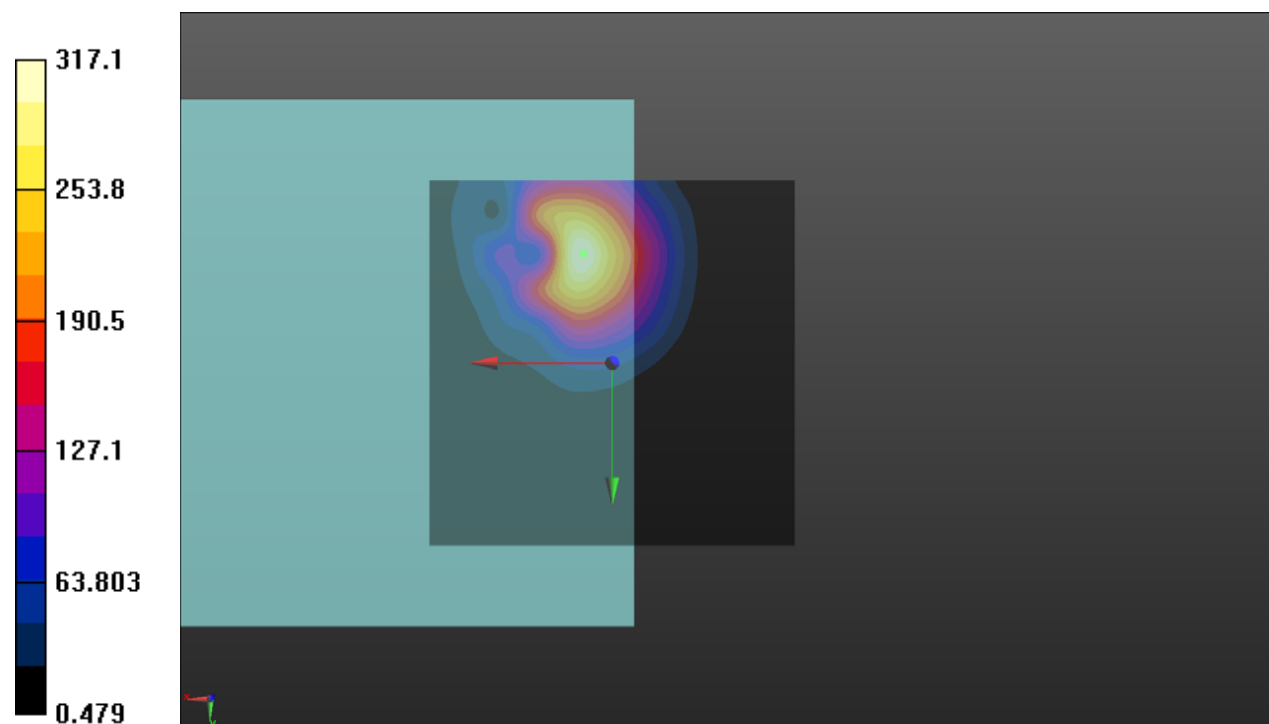
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 50.03 dB

ABM1 comp = 11.30 dBA/m

Location: 4, -15, 3.7 mm



**P15 T-Coil\_WLAN5.2G\_802.11a\_6Mbps\_Ch40\_AMR WB 6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5200 MHz;Duty Cycle: 1:7.38

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

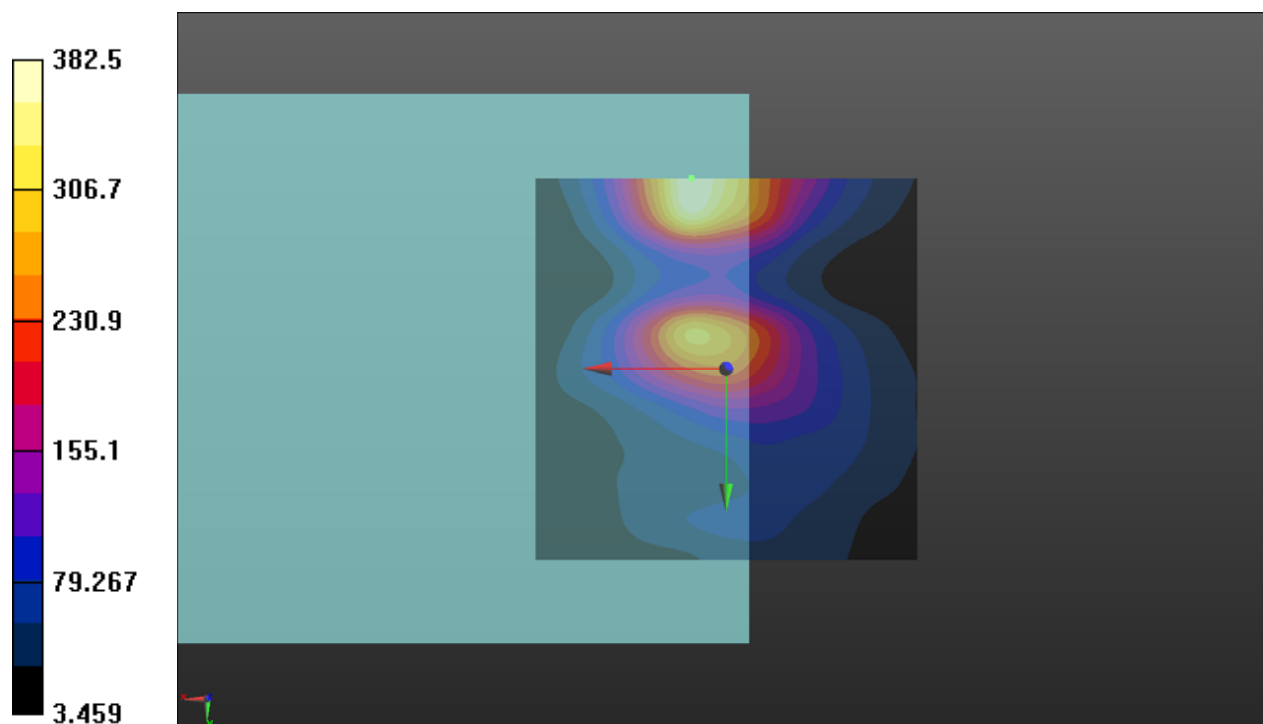
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 51.65 dB

ABM1 comp = 3.46 dBA/m

Location: 4.5, -25, 3.7 mm



**P15 T-Coil\_WLAN5.2G\_802.11a\_6Mbps\_Ch40\_AMR WB 6.6kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5200 MHz; Duty Cycle: 1:1

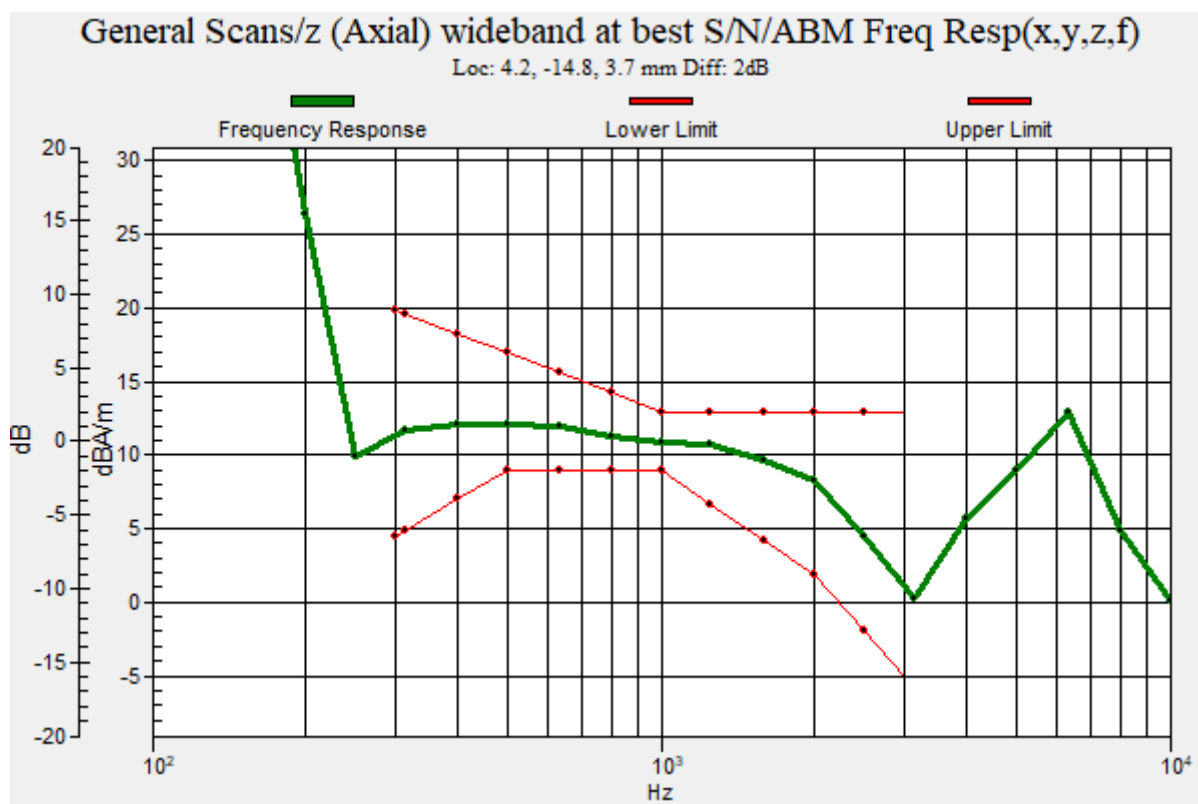
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm



**P16 T-Coil\_WLAN5.3G\_802.11a\_6Mbps\_Ch56\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5280 MHz;Duty Cycle: 1:7.38

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

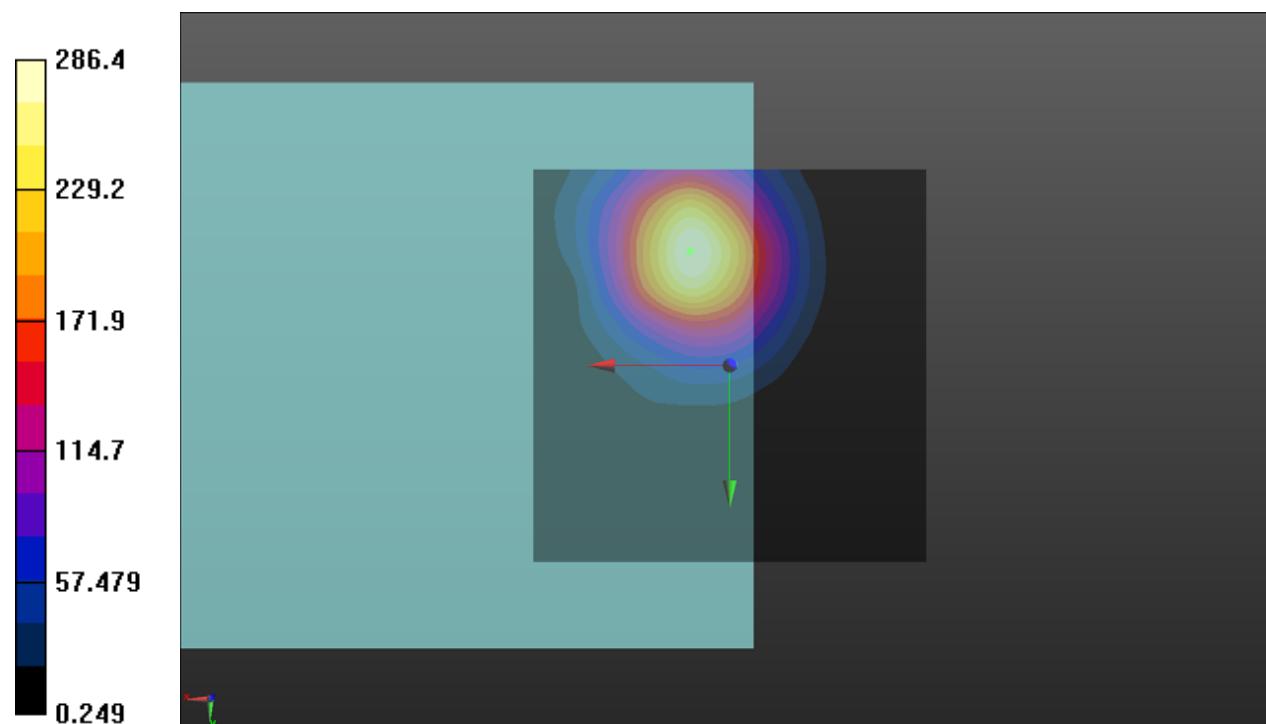
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.14 dB

ABM1 comp = 11.52 dBA/m

Location: 5, -14.5, 3.7 mm



**P16 T-Coil\_WLAN5.3G\_802.11a\_6Mbps\_Ch56\_AMR WB 6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5280 MHz; Duty Cycle: 1:7.38

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

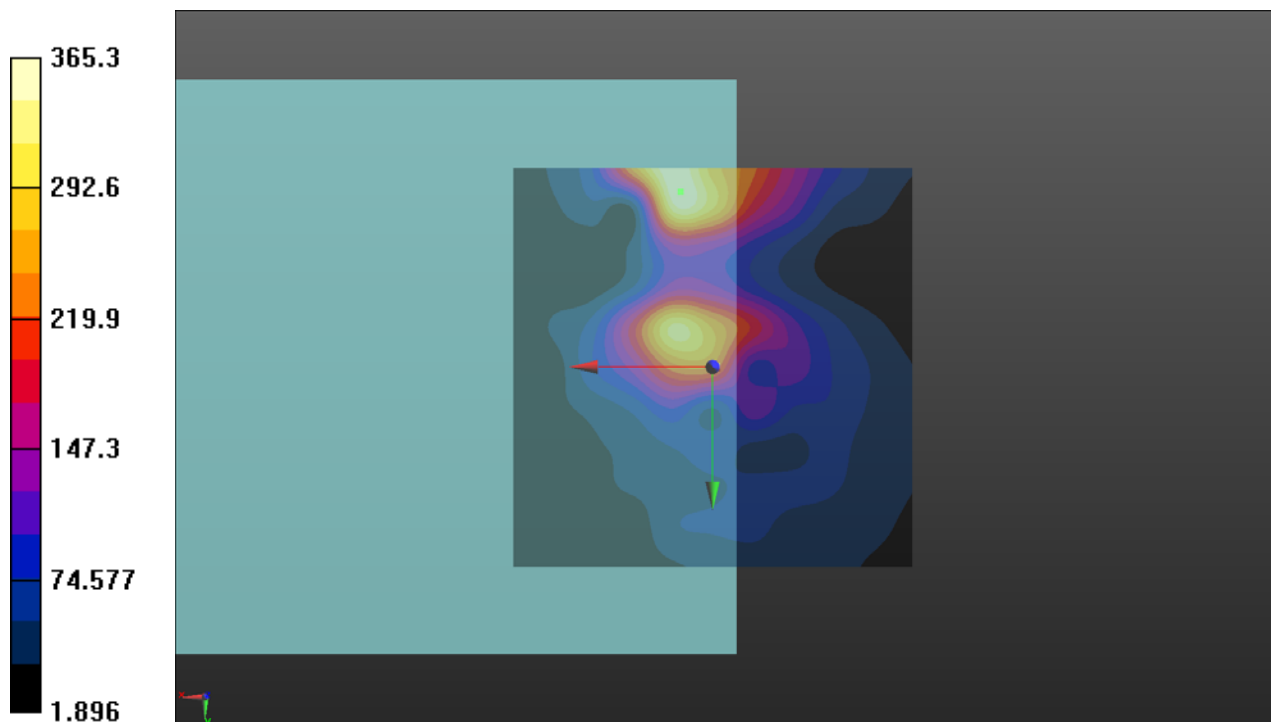
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 51.25 dB

ABM1 comp = 2.97 dBA/m

Location: 4, -22, 3.7 mm



**P16 T-Coil\_WLAN5.3G\_802.11a\_6Mbps\_Ch56\_AMR WB 6.6kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5280 MHz; Duty Cycle: 1:7.38

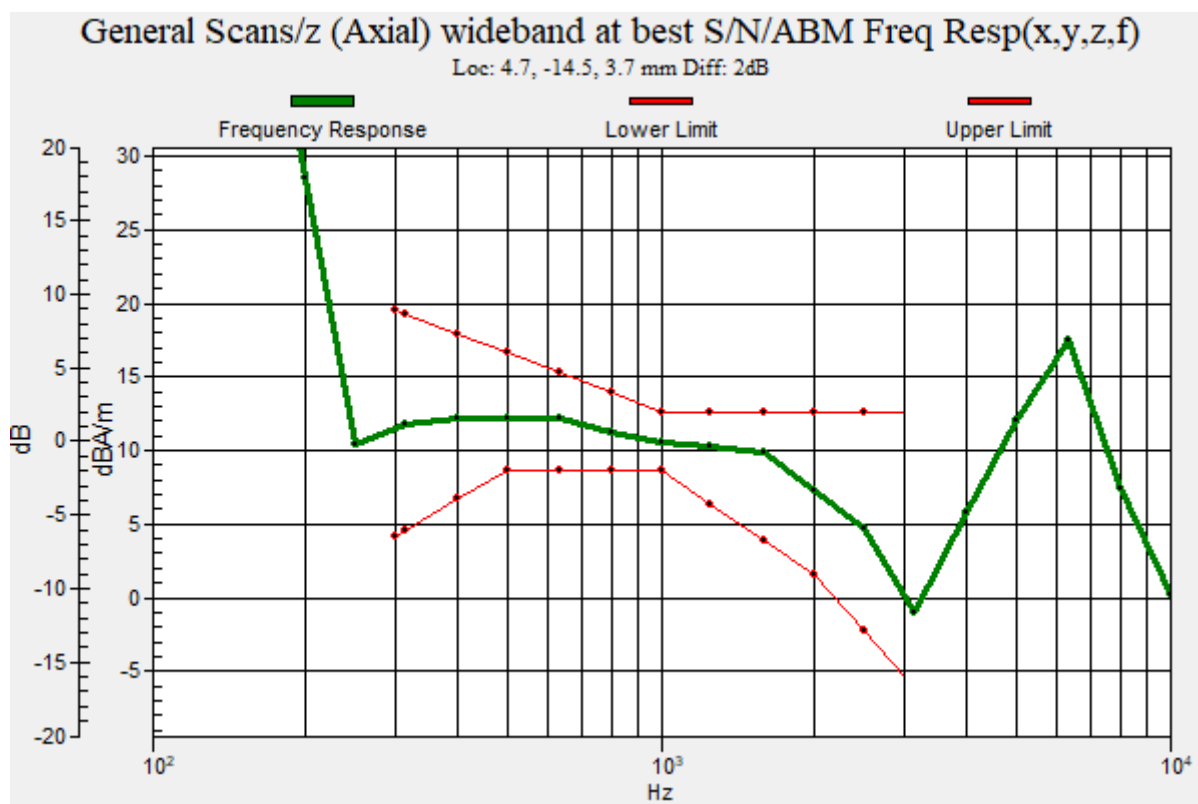
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm



**P17 T-Coil\_WLAN5.6G\_802.11a\_6Mbps\_Ch124\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5620 MHz; Duty Cycle: 1:7.38

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

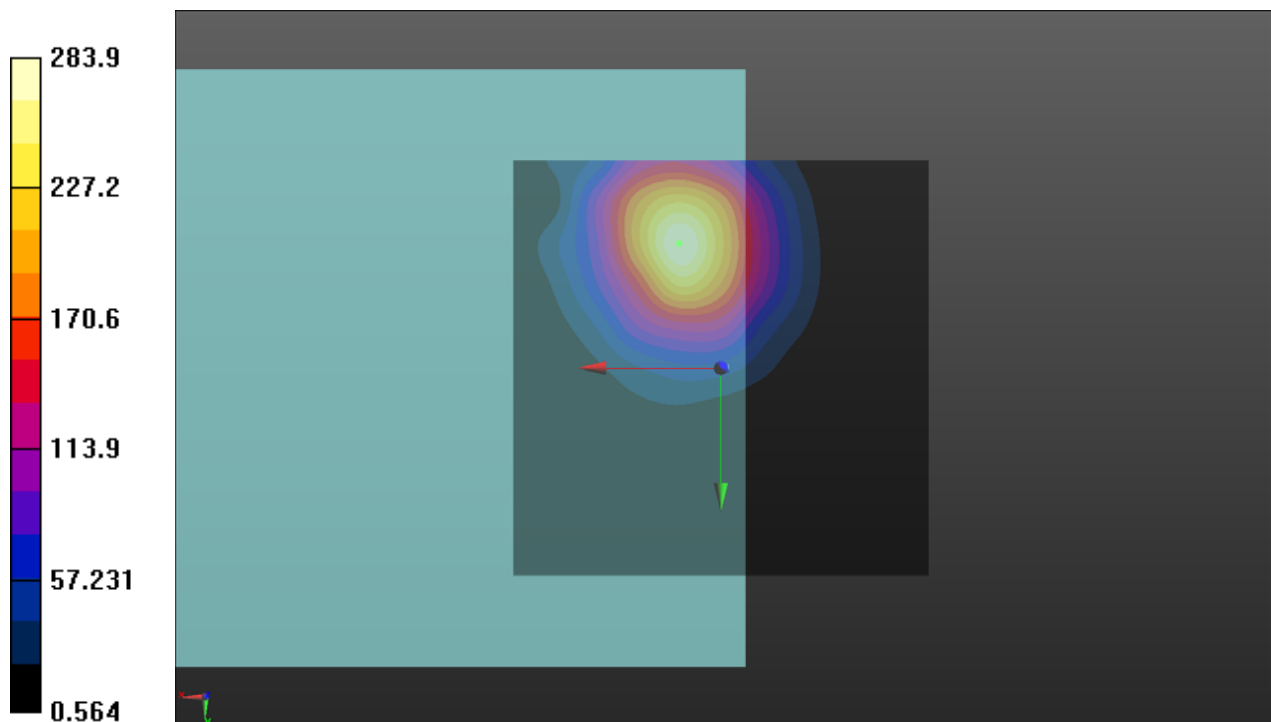
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.06 dB

ABM1 comp = 11.41 dBA/m

Location: 5, -15, 3.7 mm



**P17 T-Coil\_WLAN5.6G\_802.11a\_6Mbps\_Ch124\_AMR WB 6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5620 MHz;Duty Cycle: 1:7.38

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

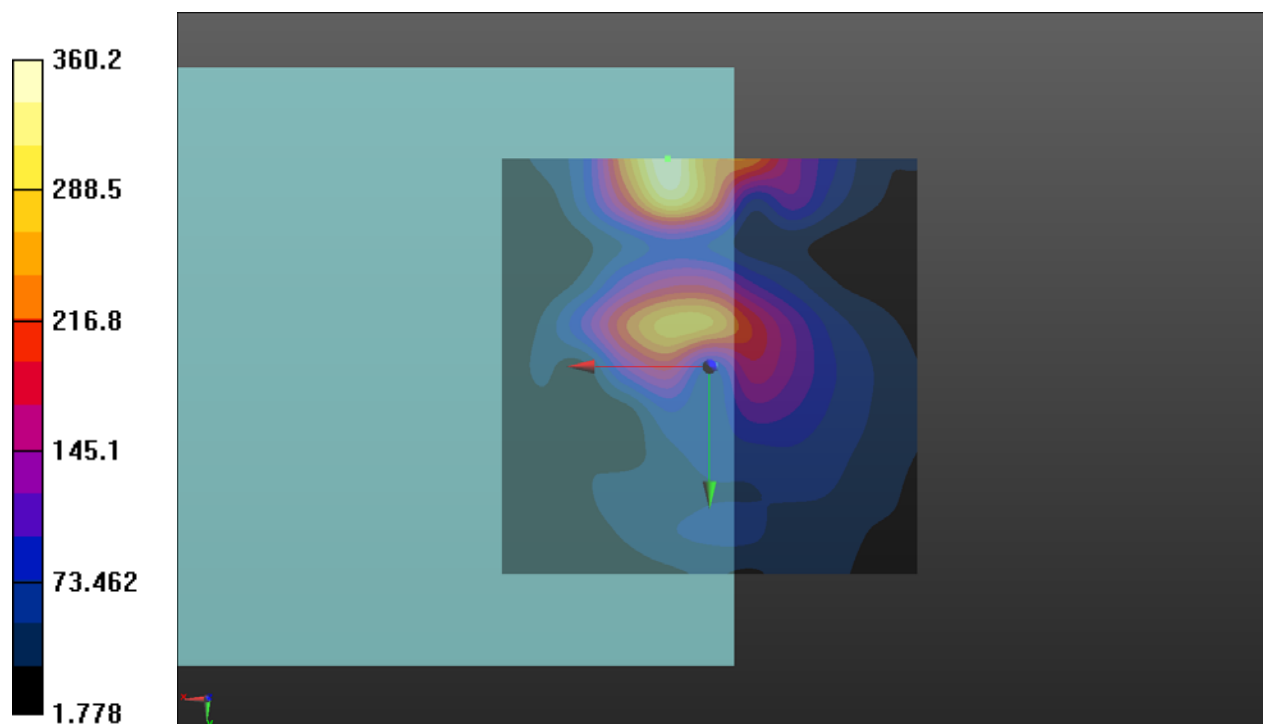
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 51.13 dB

ABM1 comp = 2.86 dBA/m

Location: 5, -25, 3.7 mm



**P17 T-Coil\_WLAN5.6G\_802.11a\_6Mbps\_Ch124\_AMR WB 6.6kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5620 MHz; Duty Cycle: 1:7.38

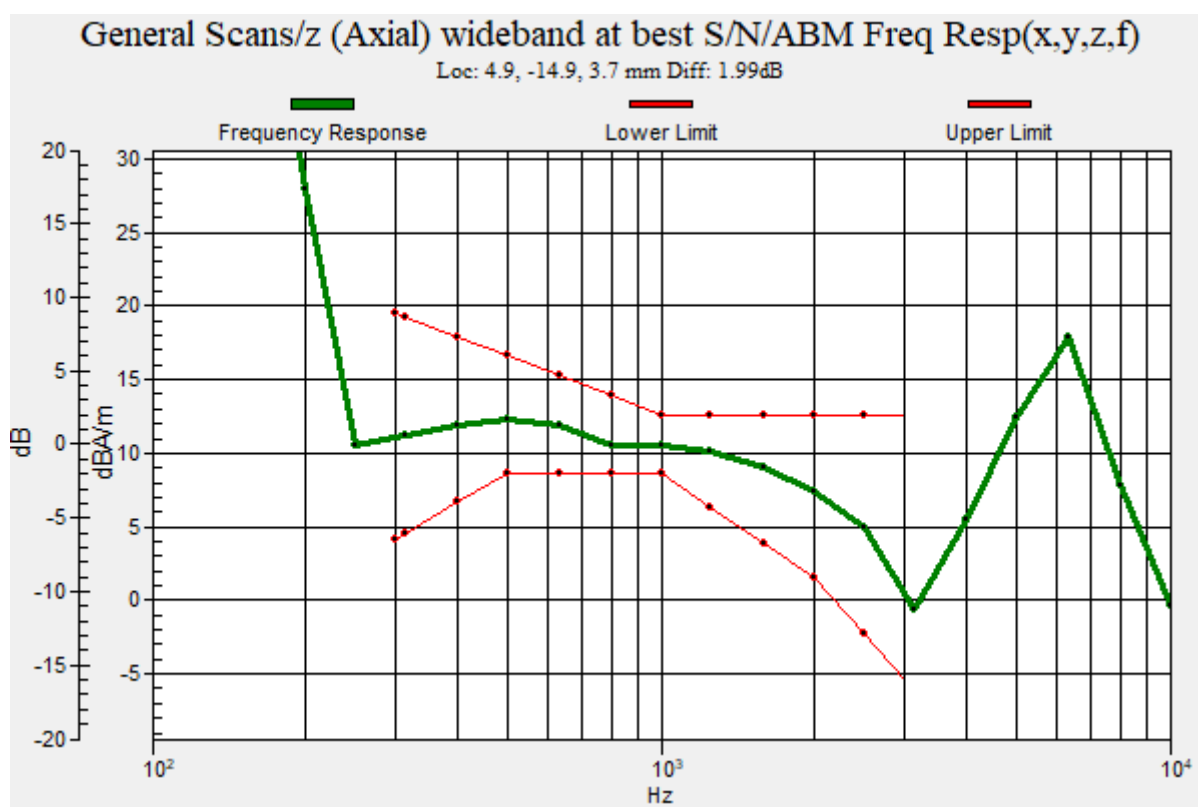
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P18 T-Coil\_WLAN5.8G\_802.11a\_6Mbps\_Ch157\_AMR WB 6.6kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5785 MHz; Duty Cycle: 1:7.38

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

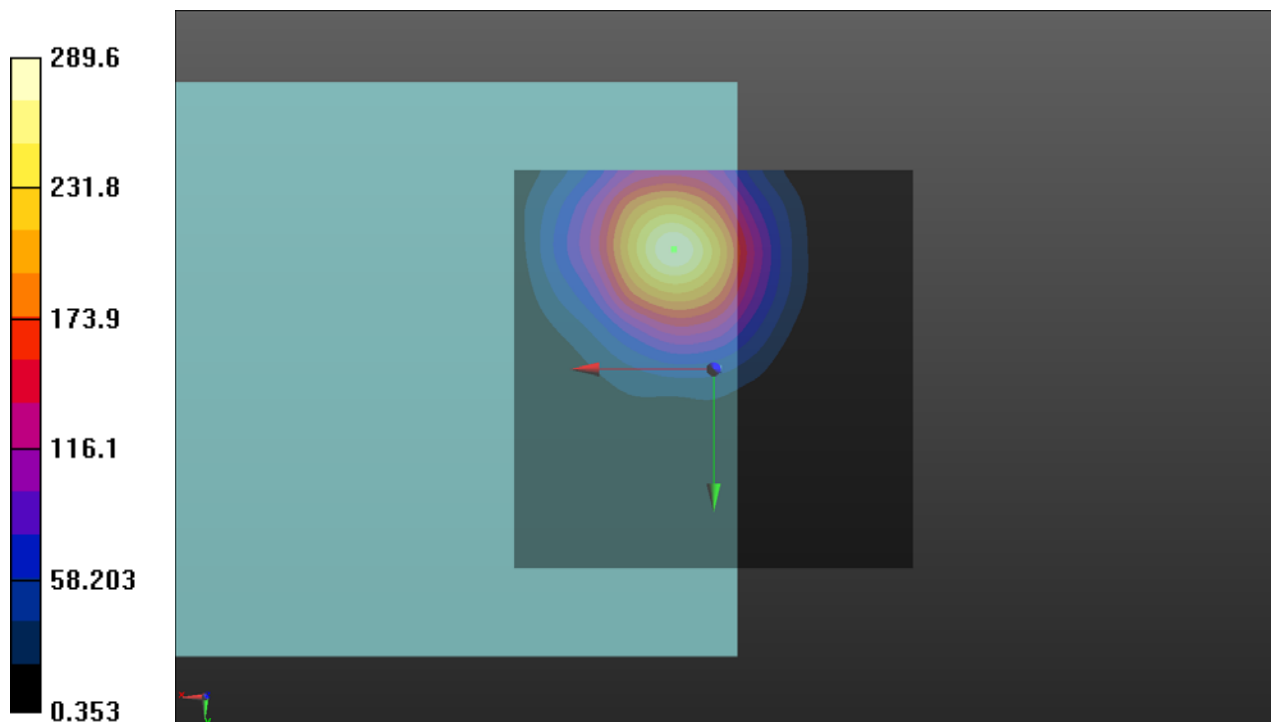
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.23 dB

ABM1 comp = 11.20 dBA/m

Location: 5, -15, 3.7 mm



**P18 T-Coil\_WLAN5.8G\_802.11a\_6Mbps\_Ch157\_AMR WB 6.6kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5785 MHz; Duty Cycle: 1:7.38

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

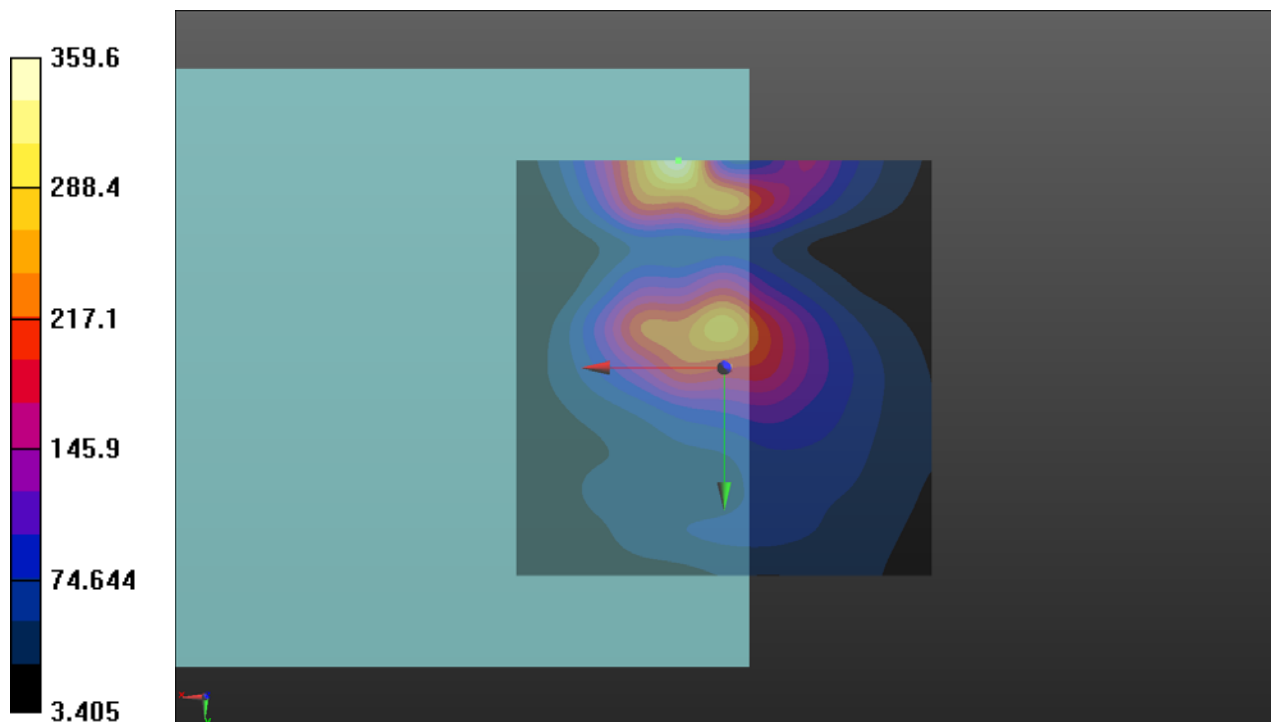
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 51.12 dB

ABM1 comp = 3.36 dBA/m

Location: 5.5, -25, 3.7 mm



**P18 T-Coil\_WLAN5.8G\_802.11a\_6Mbps\_Ch157\_AMR WB 6.6kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5785 MHz; Duty Cycle: 1:7.38

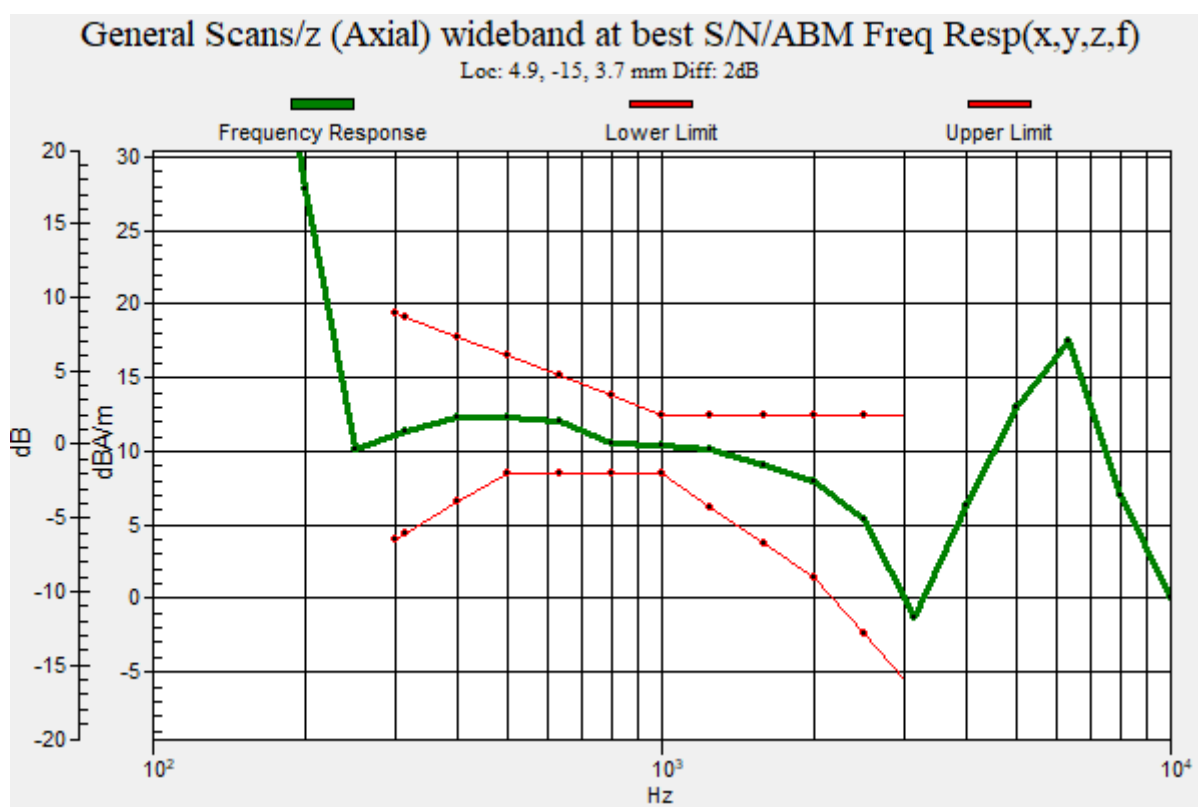
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P19 OTT\_GSM850\_EDGE\_Ch189\_Duo Opus 75kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10029 - DAC, EDGE-FDD (TDMA, 8PSK, TN 0-1-2); Frequency: 836.4 MHz; Duty Cycle: 1:5.99

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

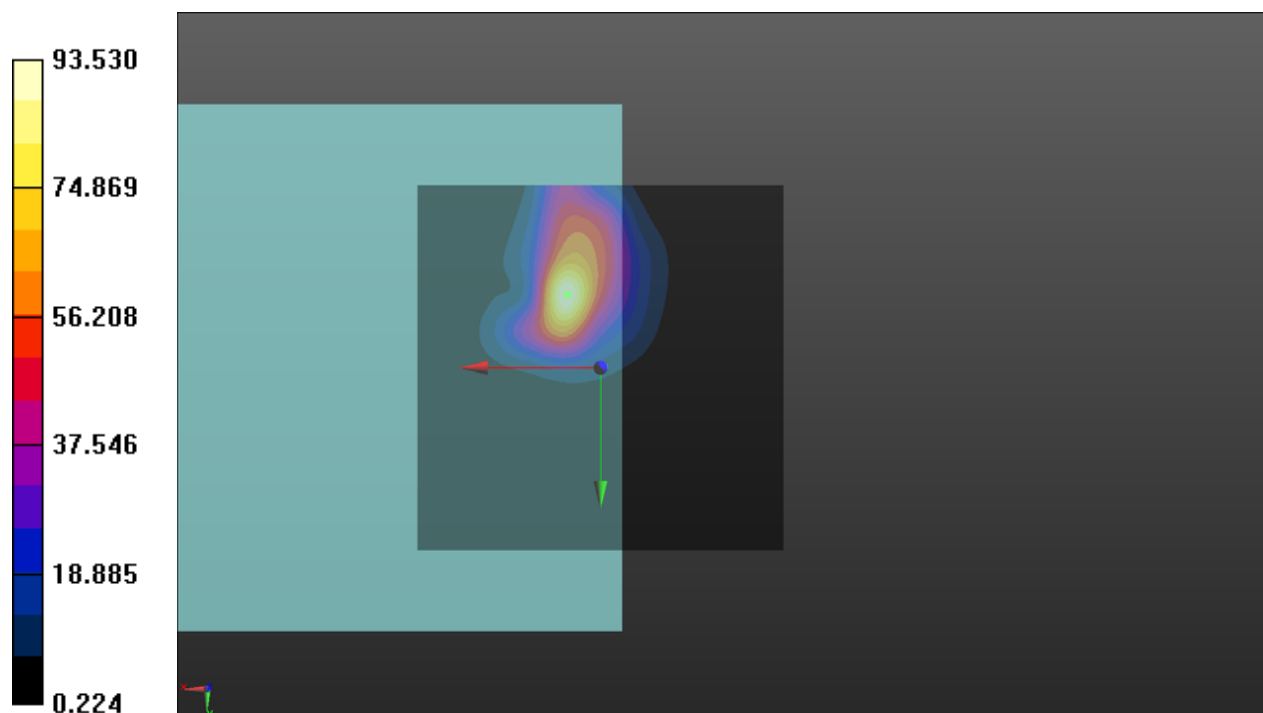
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 39.42 dB

ABM1 comp = 6.02 dBA/m

Location: 4.5, -10, 3.7 mm



**P19 OTT\_GSM850\_EDGE\_Ch189\_Duo Opus 75kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10029 - DAC, EDGE-FDD (TDMA, 8PSK, TN 0-1-2); Frequency: 836.4 MHz; Duty Cycle: 1:5.99

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

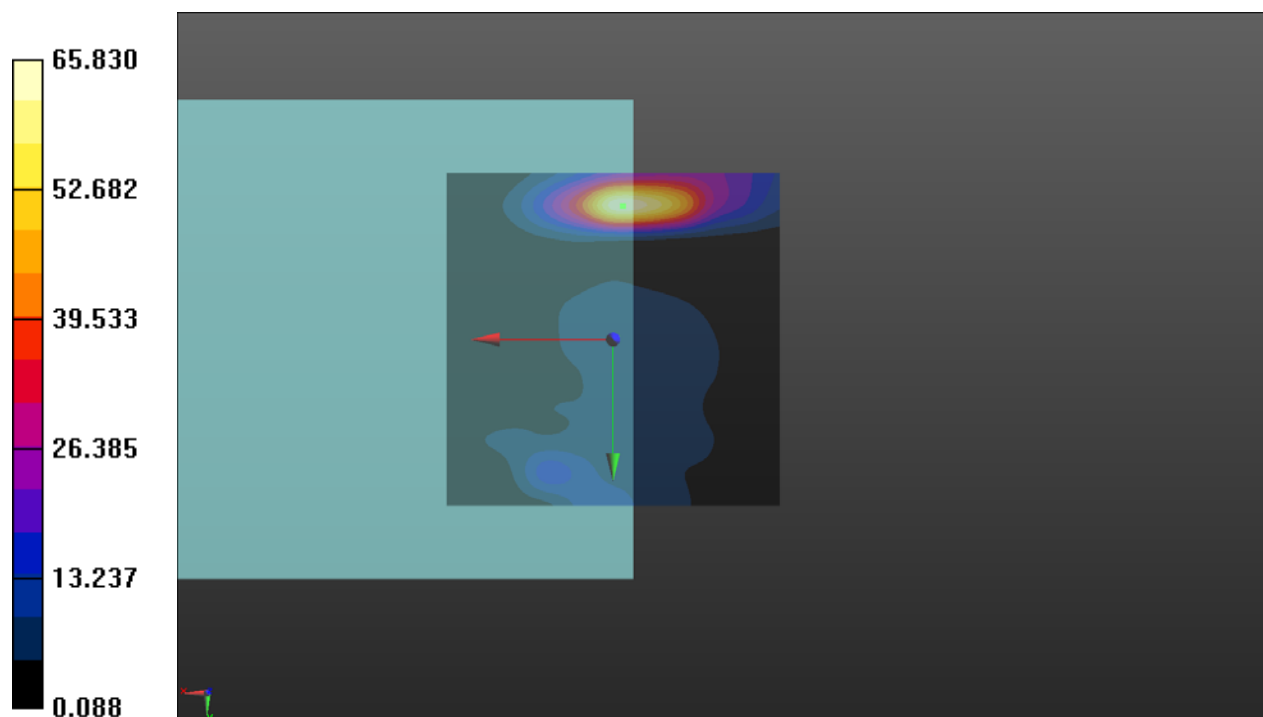
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 36.37 dB

ABM1 comp = -4.01 dBA/m

Location: -1.5, -20, 3.7 mm



**P19 OTT\_GSM850\_EDGE\_Ch189\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10029 - DAC, EDGE-FDD (TDMA, 8PSK, TN 0-1-2); Frequency: 836.4 MHz; Duty Cycle: 1:5.99

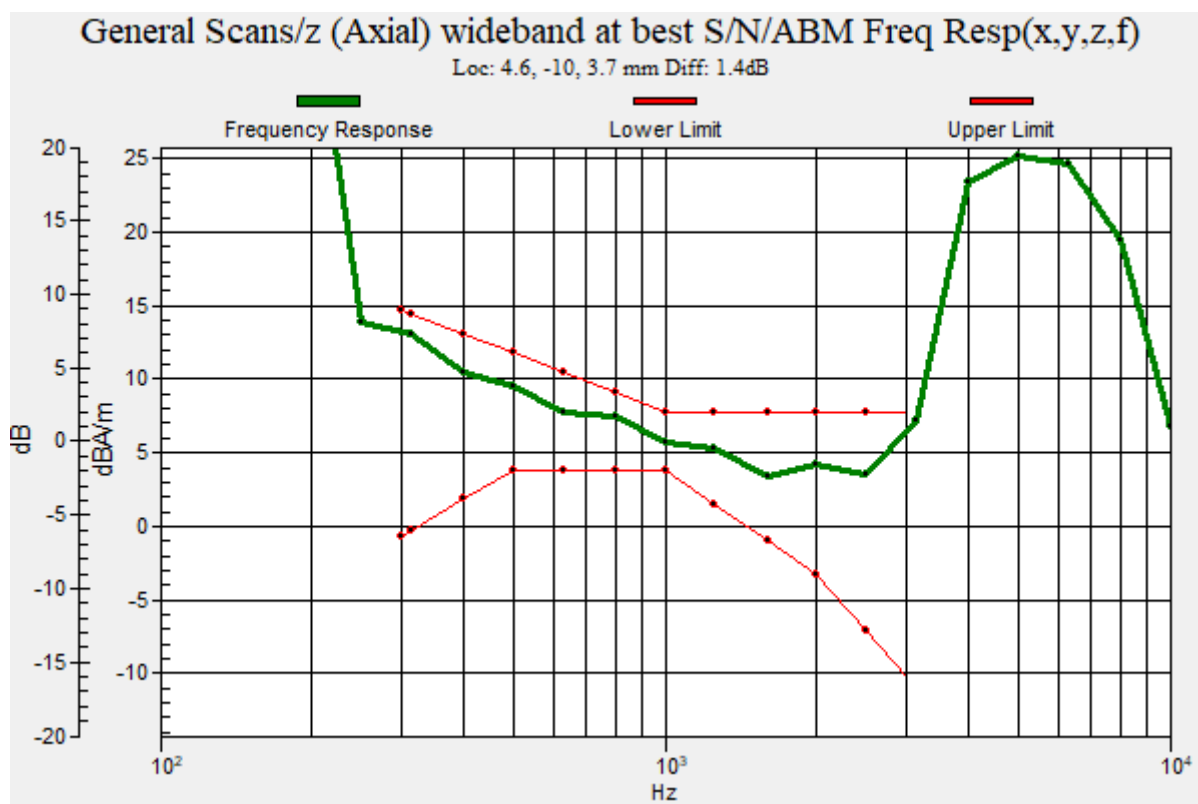
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P20 OTT\_GSM1900\_EDGE\_Ch661\_Duo Opus 75kbps\_Axail (Z)****DUT: P21050403**

Communication System: UID 10029 - DAC, EDGE-FDD (TDMA, 8PSK, TN 0-1-2); Frequency: 1880 MHz; Duty Cycle: 1:5.99

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

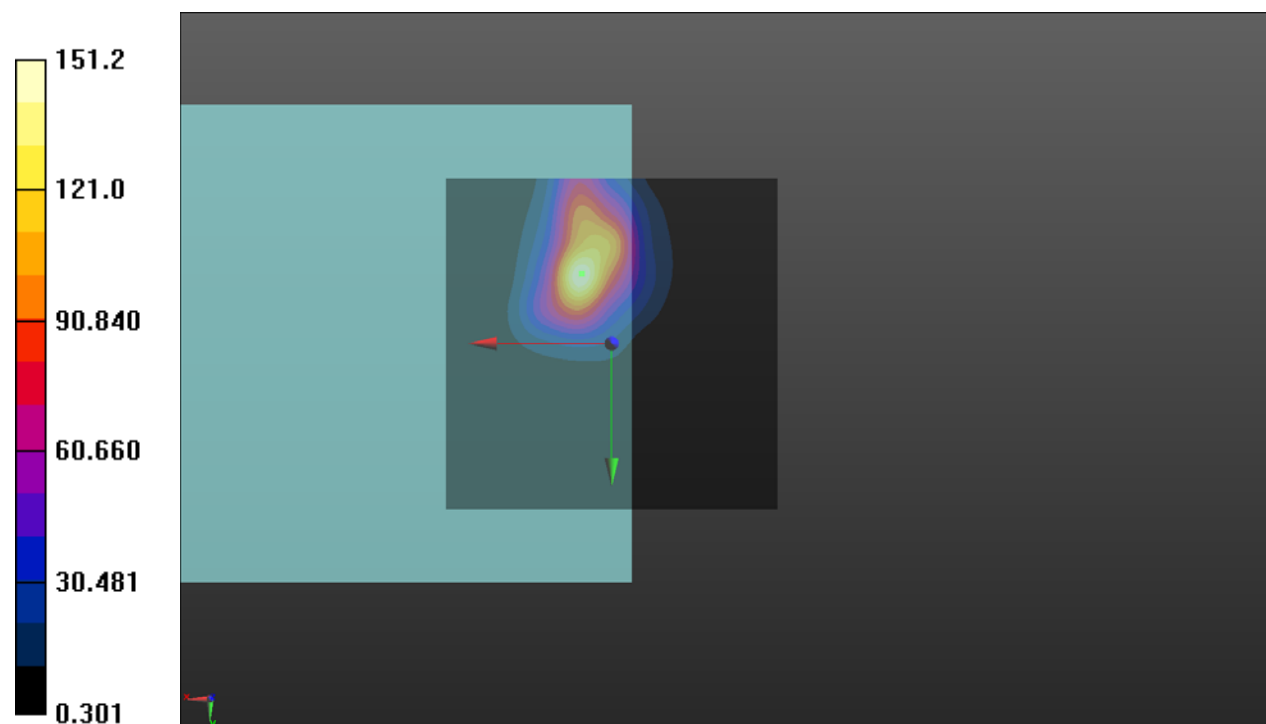
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 43.59 dB

ABM1 comp = 7.62 dBA/m

Location: 4.5, -10.5, 3.7 mm



## P20 OTT\_GSM1900\_EDGE\_Ch661\_Duo Opus 75kbps\_Radial (Y)

### DUT: P21050403

Communication System: UID 10029 - DAC, EDGE-FDD (TDMA, 8PSK, TN 0-1-2); Frequency: 1880 MHz; Duty Cycle: 1:5.99

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

Ambient Temperature : 23.6 °C

#### DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

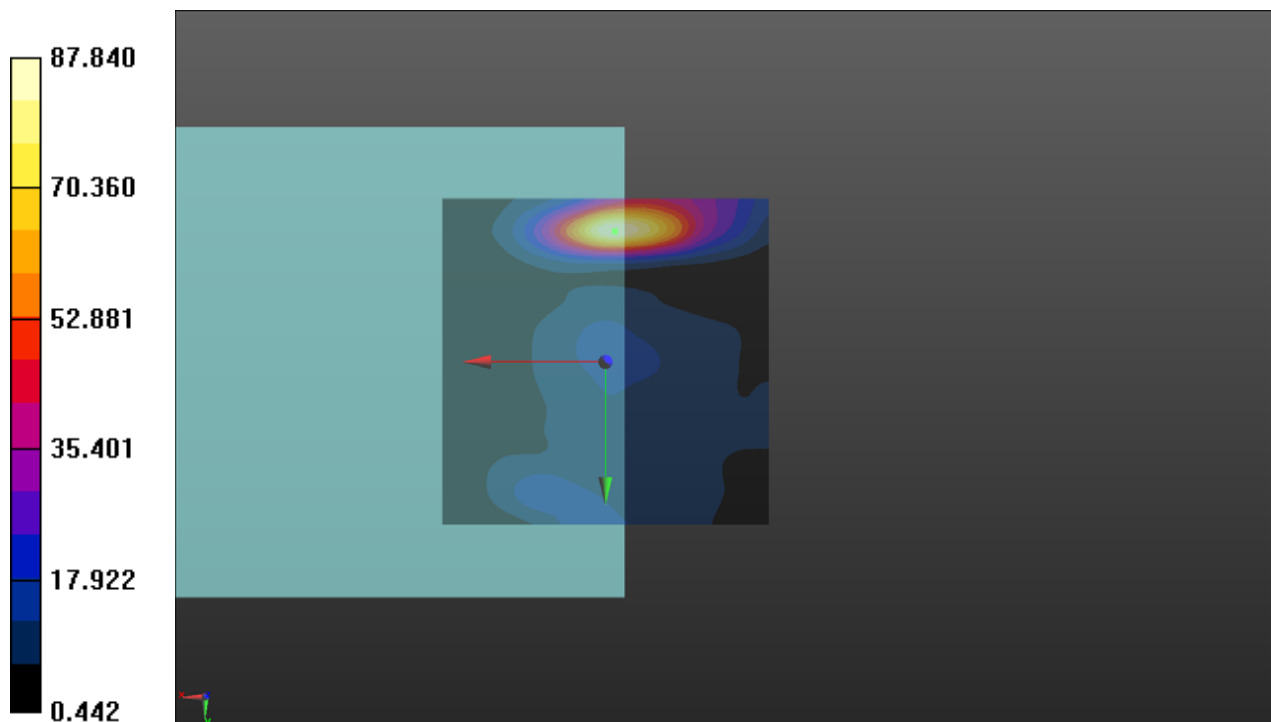
#### T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.87 dB

ABM1 comp = -4.23 dBA/m

Location: -1.5, -20, 3.7 mm



**P20 OTT\_GSM1900\_EDGE\_Ch661\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10029 - DAC, EDGE-FDD (TDMA, 8PSK, TN 0-1-2); Frequency: 1880 MHz; Duty Cycle: 1:5.99

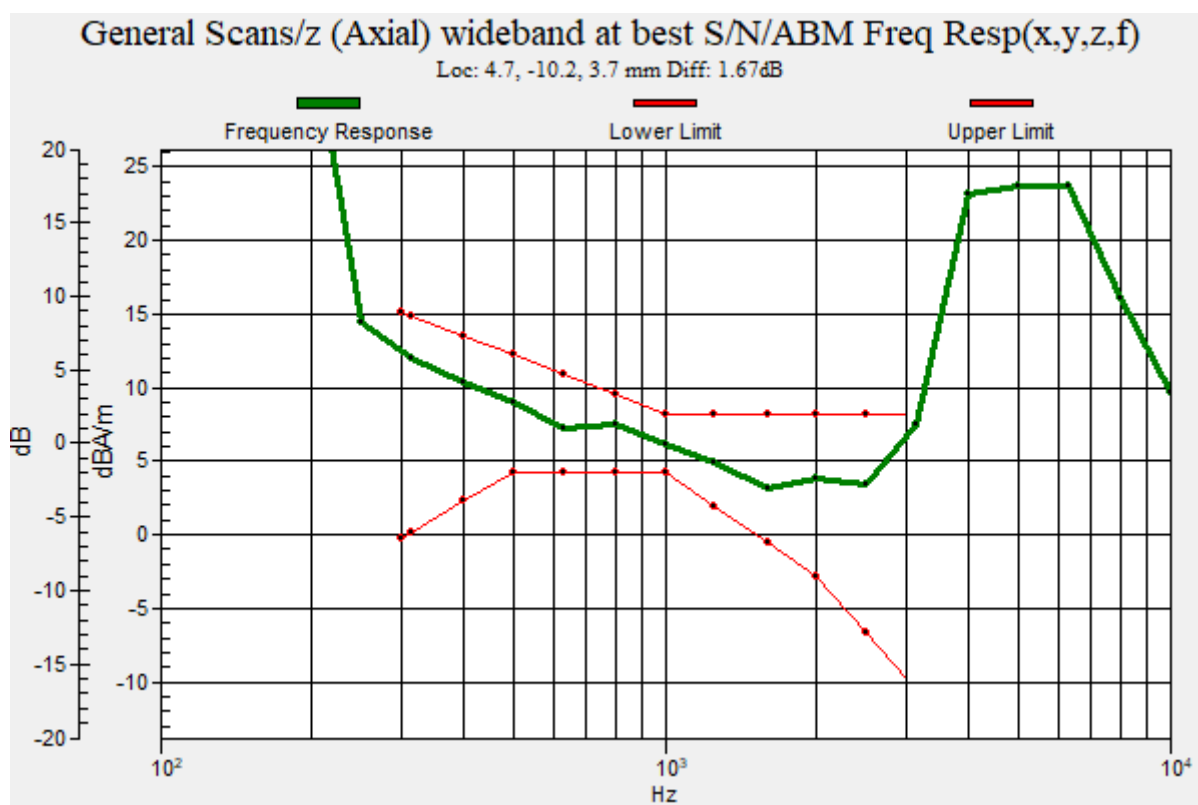
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P21 OTT\_WCDMA II\_HSPA\_Ch9400\_Duo Opus 75kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1880 MHz; Duty Cycle: 1:1.95

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

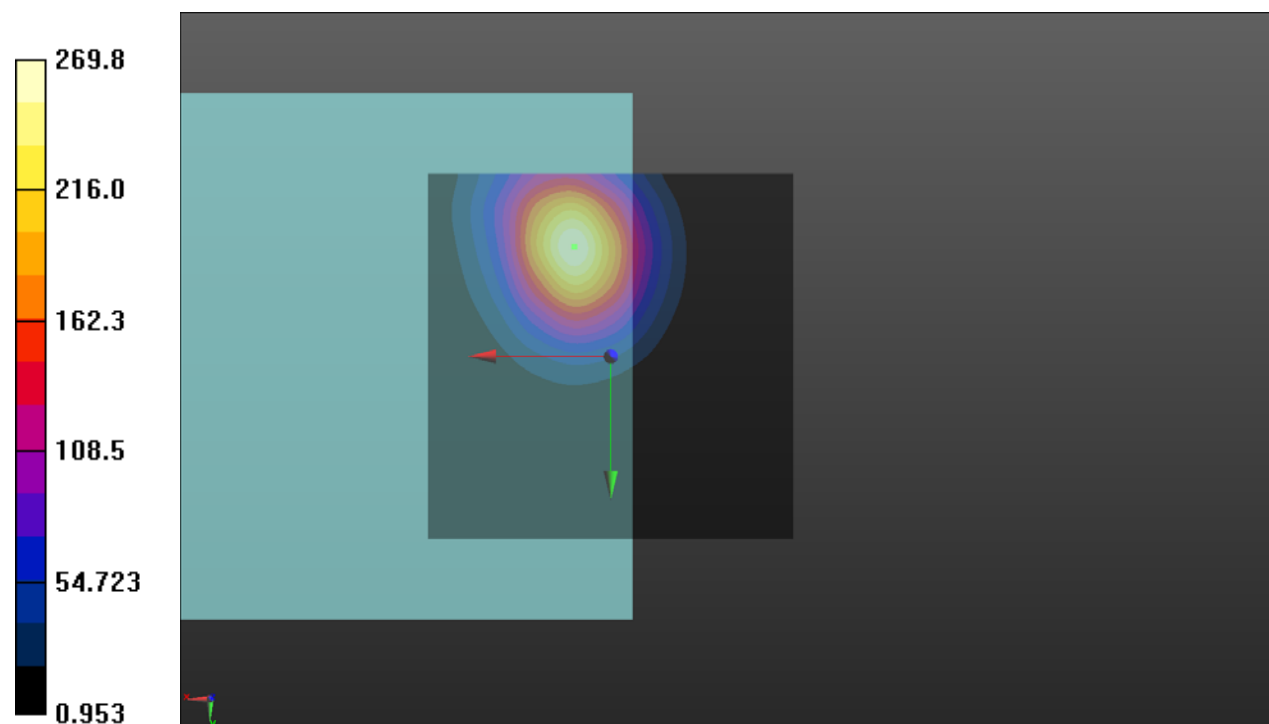
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.62 dB

ABM1 comp = 10.38 dBA/m

Location: 5, -15, 3.7 mm



**P21 OTT\_WCDMA II\_HSPA\_Ch9400\_Duo Opus 75kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1880 MHz; Duty Cycle: 1:1.95

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

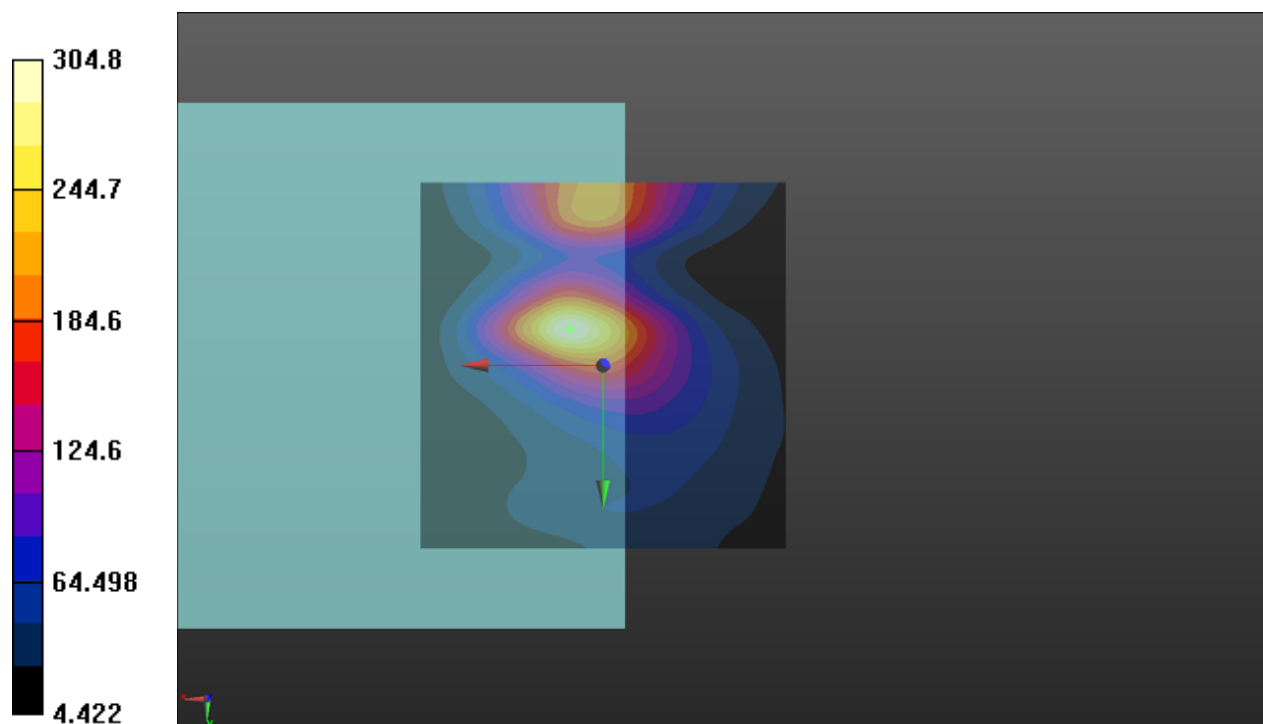
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.68 dB

ABM1 comp = 2.24 dBA/m

Location: 4.5, -5, 3.7 mm



**P21 OTT\_WCDMA II\_HSPA\_Ch9400\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 1880 MHz; Duty Cycle: 1:1.95

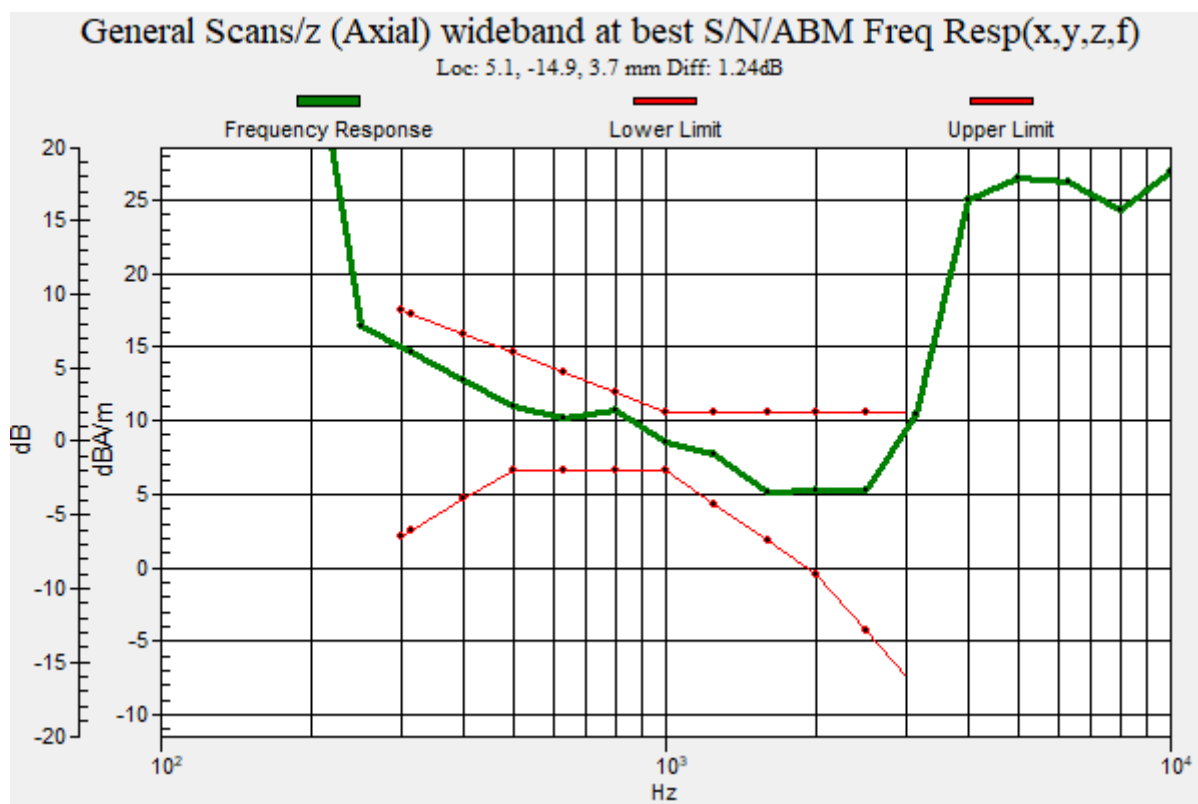
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P22 OTT\_WCDMA V\_HSPA\_Ch4182\_Duo Opus 75kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.4 MHz; Duty Cycle: 1:1.95

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

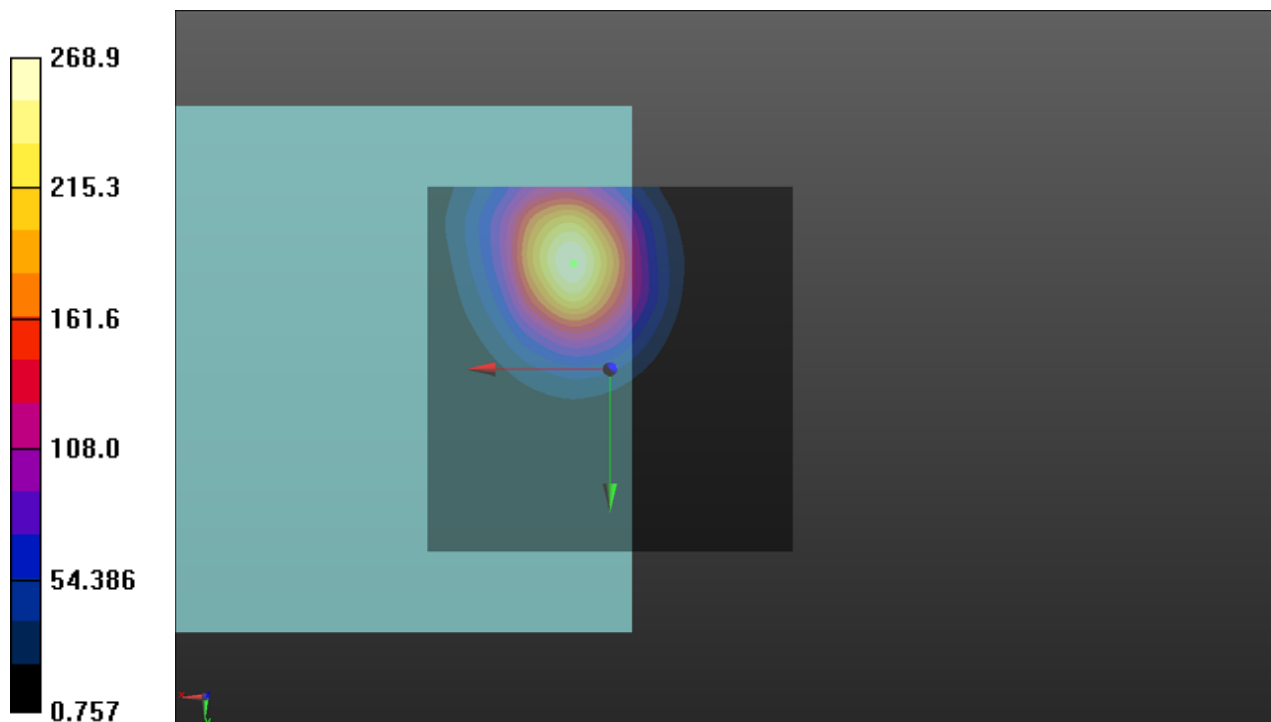
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.59 dB

ABM1 comp = 10.29 dBA/m

Location: 5, -14.5, 3.7 mm



## P22 OTT\_WCDMA V\_HSPA\_Ch4182\_Duo Opus 75kbps\_Radial (Y)

### DUT: P21050403

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.4 MHz; Duty Cycle: 1:1.95

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

Ambient Temperature : 23.6 °C

#### DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

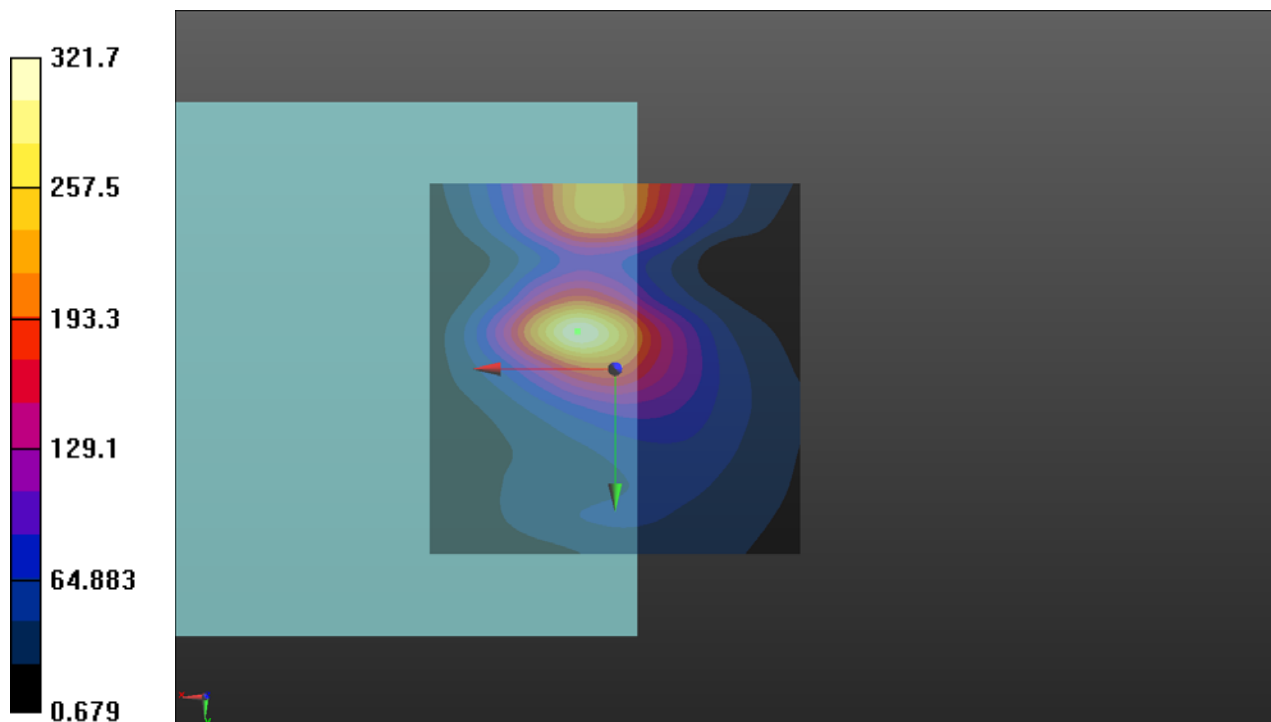
#### T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 50.15 dB

ABM1 comp = 2.31 dBA/m

Location: 5, -5, 3.7 mm



**P22 OTT\_WCDMA V\_HSPA\_Ch4182\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10011 - CAB, UMTS-FDD (WCDMA); Frequency: 836.4 MHz; Duty Cycle: 1:1.95

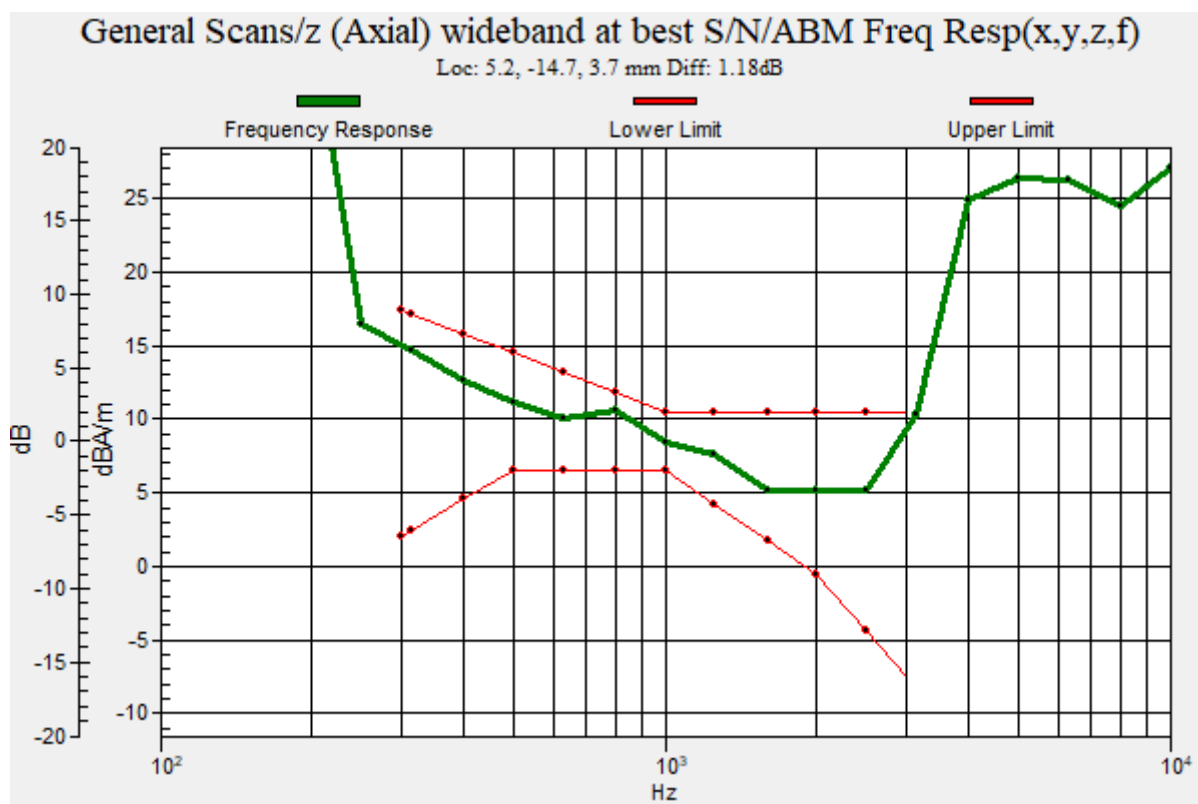
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid: dx=10mm, dy=10mm



**P23 OTT\_LTE 2\_QPSK20M\_Ch18900\_Duo Opus 75kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1880 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

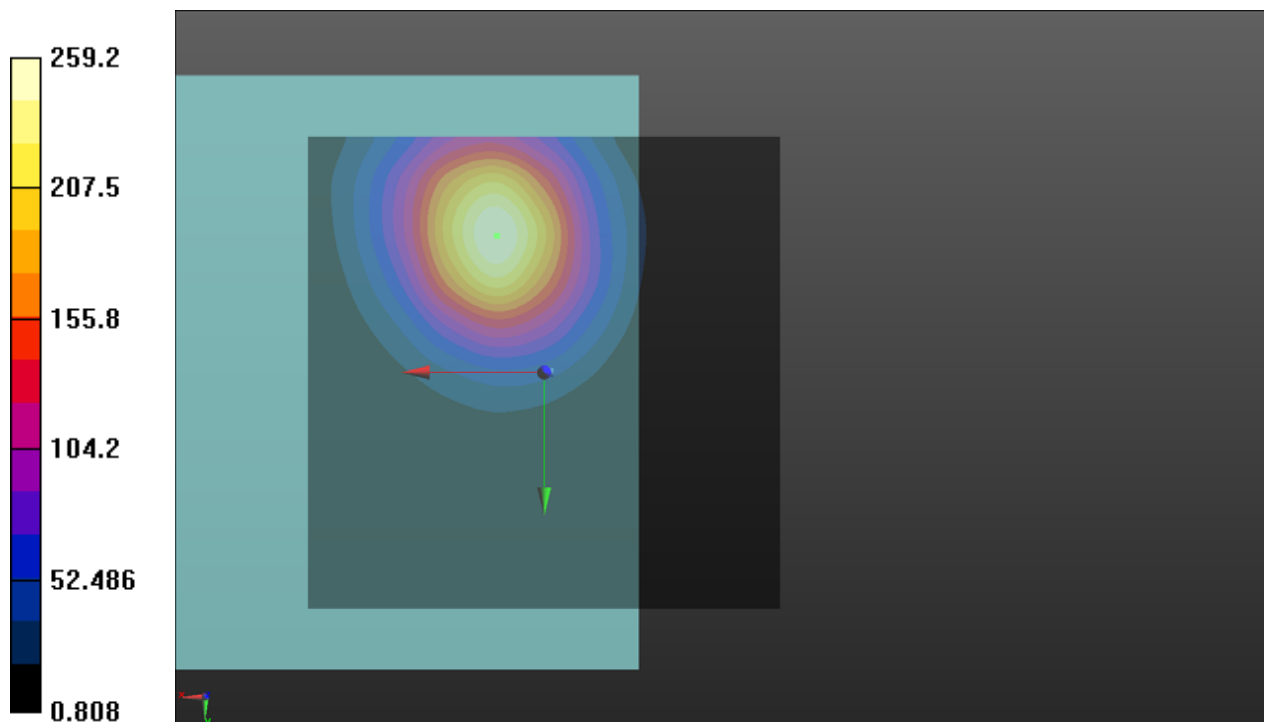
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.27 dB

ABM1 comp = 10.30 dBA/m

Location: 5, -14.5, 3.7 mm



**P23 OTT\_LTE 2\_QPSK20M\_Ch18900\_Duo Opus 75kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1880 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

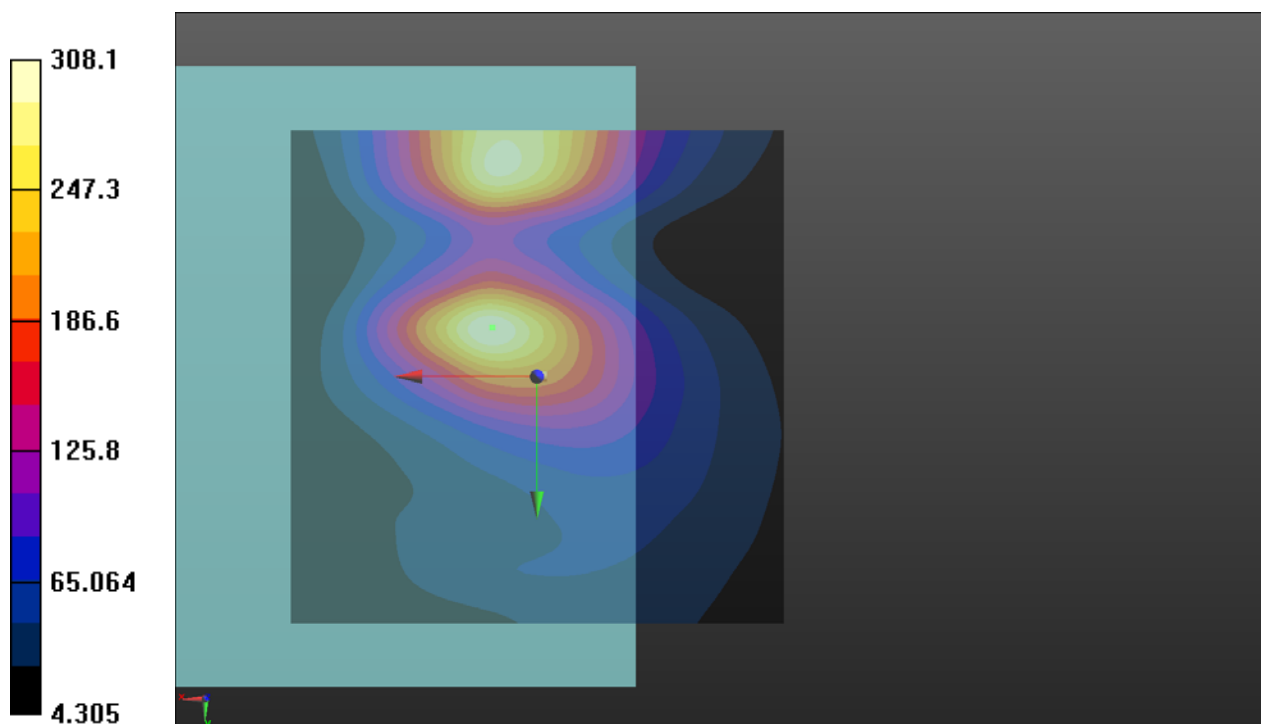
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.77 dB

ABM1 comp = 2.02 dBA/m

Location: 4.5, -5, 3.7 mm



**P23 OTT\_LTE 2\_QPSK20M\_Ch18900\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1880 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

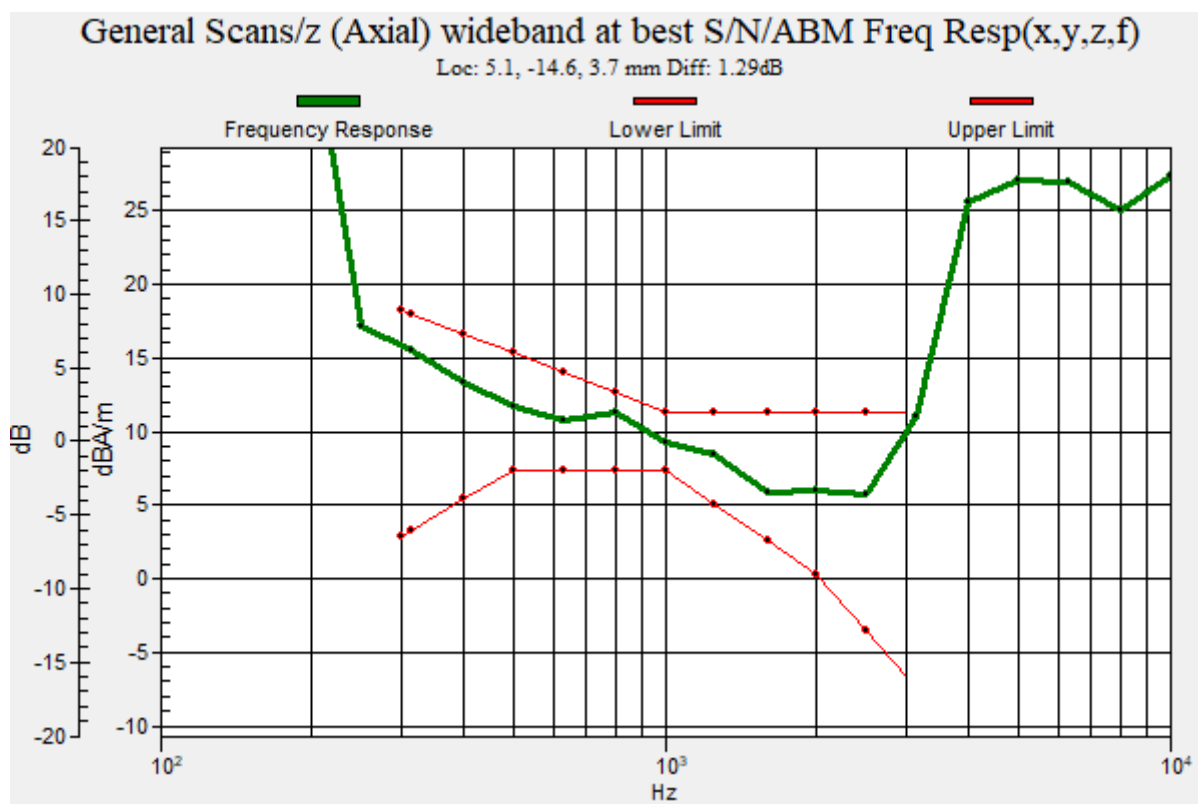
- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm

**P24 OTT\_LTE 4\_QPSK20M\_Ch20175\_Duo Opus 75kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1732.5 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

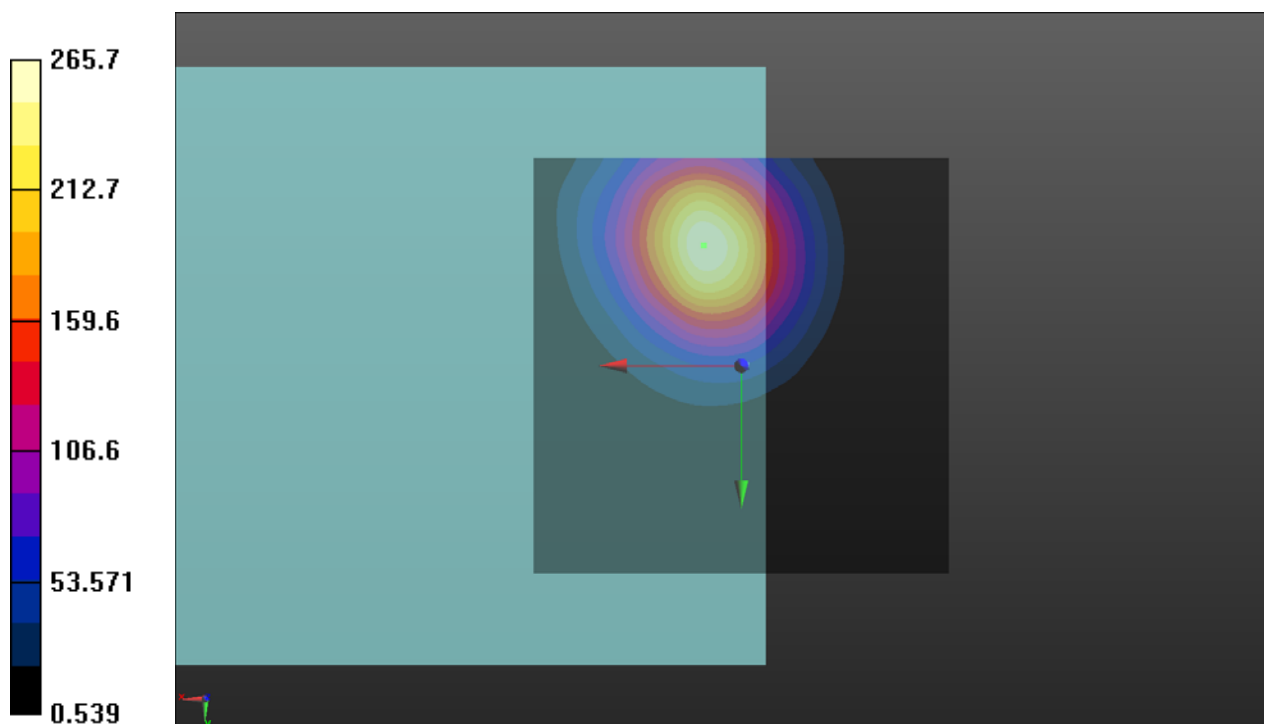
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.49 dB

ABM1 comp = 10.68 dBA/m

Location: 4.5, -14.5, 3.7 mm



**P24 OTT\_LTE 4\_QPSK20M\_Ch20175\_Duo Opus 75kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1732.5 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

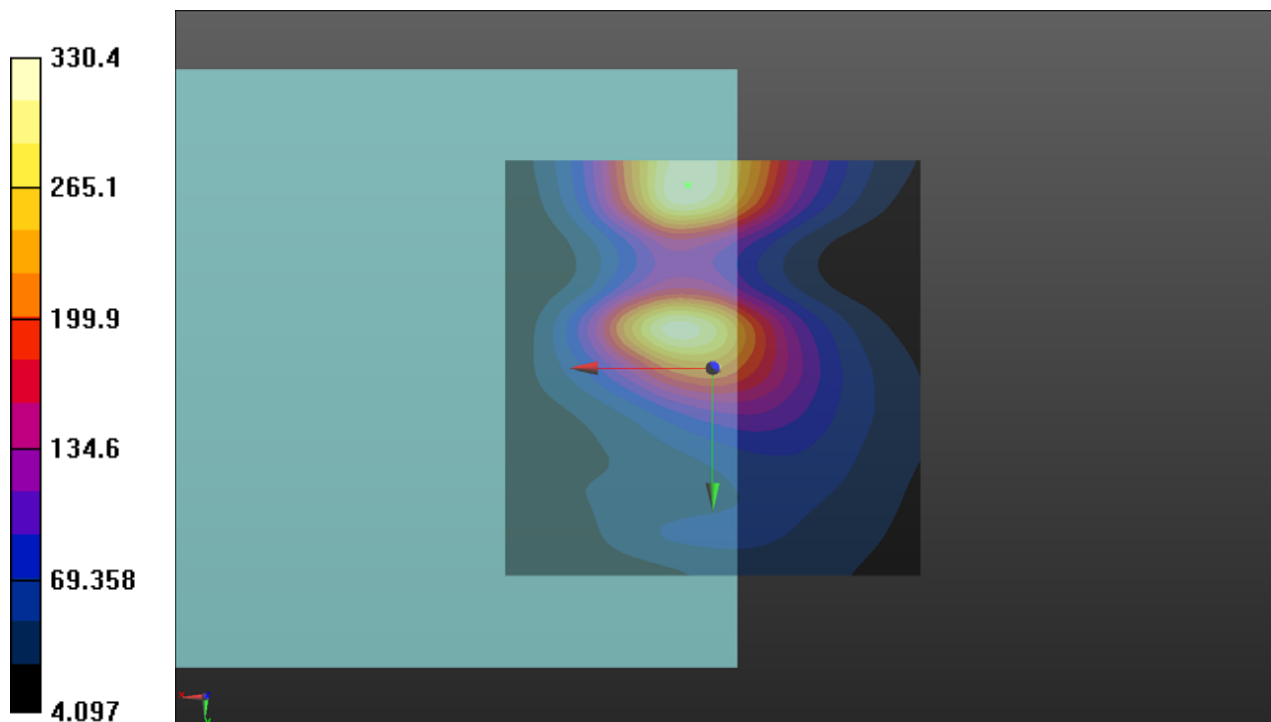
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans: Interpolated grid:**

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 50.38 dB

ABM1 comp = 2.27 dBA/m

Location: 3, -22, 3.7 mm



**P24 OTT\_LTE 4\_QPSK20M\_Ch20175\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1732.5 MHz;Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

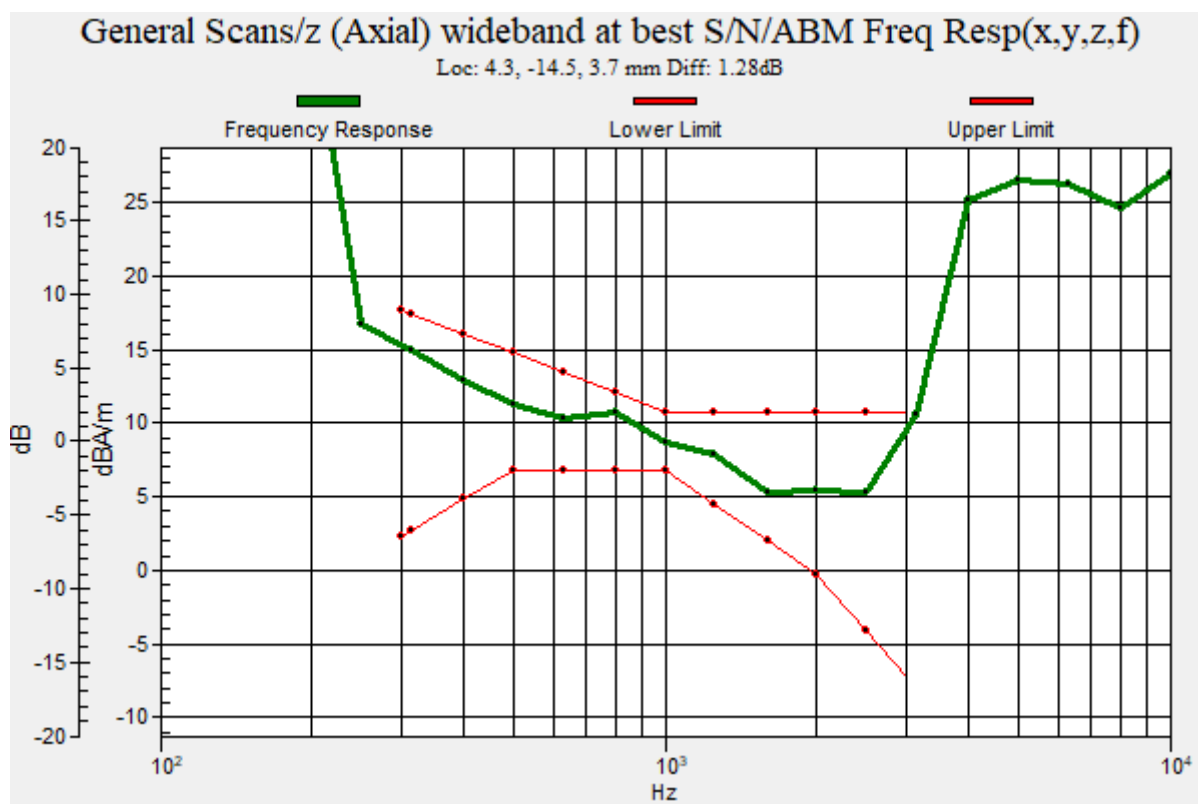
- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm

**P25 OTT\_LTE 5\_QPSK10M\_Ch20525\_Duo Opus 75kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 836.5 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

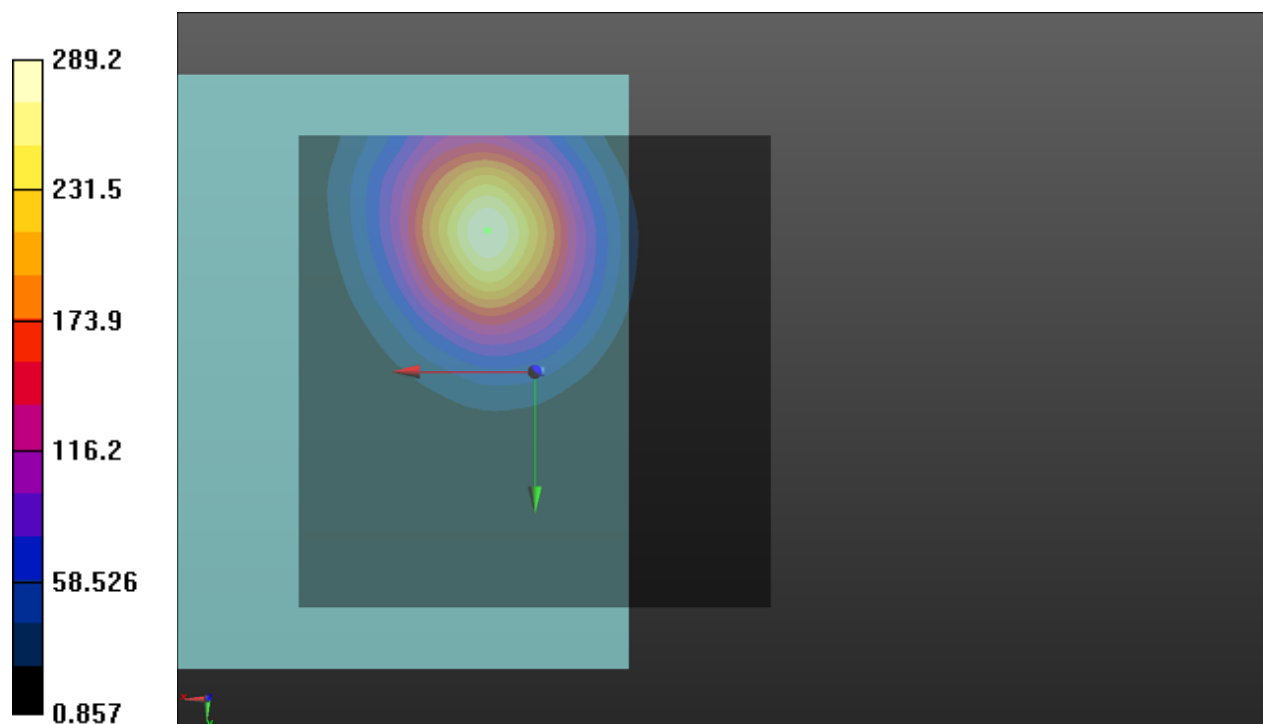
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.22 dB

ABM1 comp = 10.71 dBA/m

Location: 5, -15, 3.7 mm



**P25 OTT\_LTE 5\_QPSK10M\_Ch20525\_Duo Opus 75kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 836.5 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

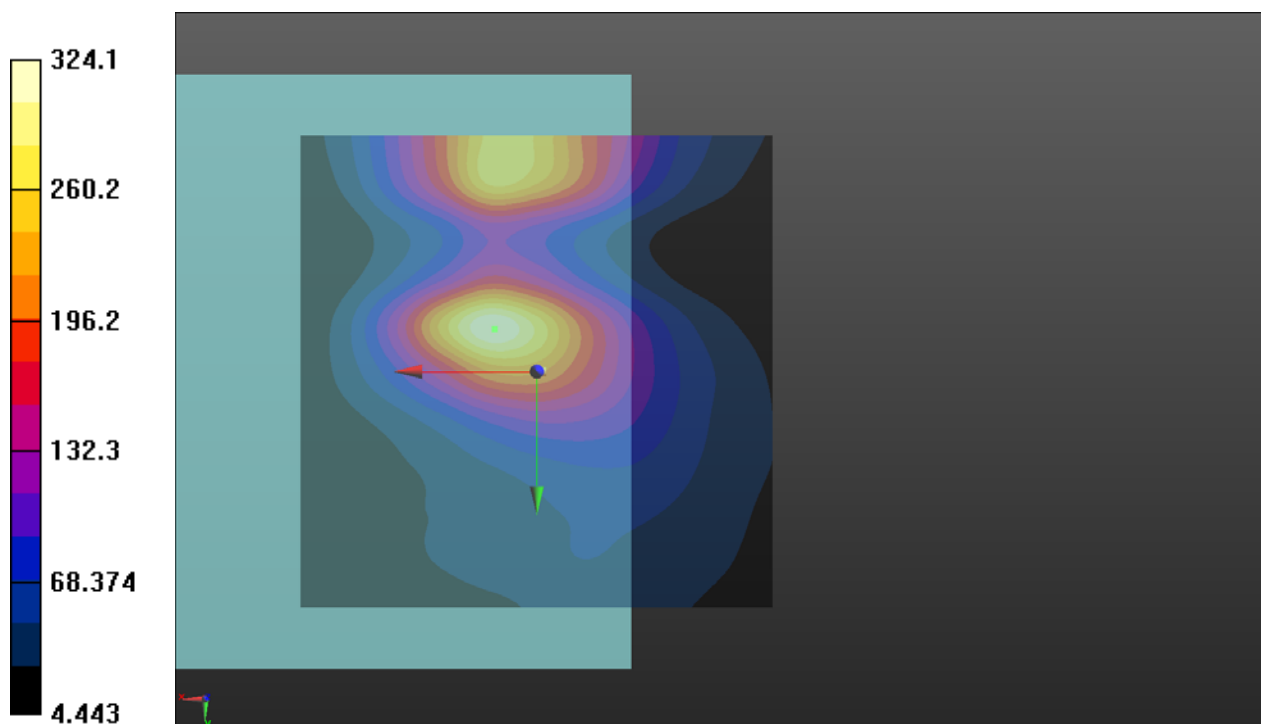
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 50.21 dB

ABM1 comp = 2.74 dBA/m

Location: 4.5, -4.5, 3.7 mm



**P25 OTT\_LTE 5\_QPSK10M\_Ch20525\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10175 - CAG, LTE-FDD (SC-FDMA, 1 RB, 10 MHz, QPSK);

Frequency: 836.5 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

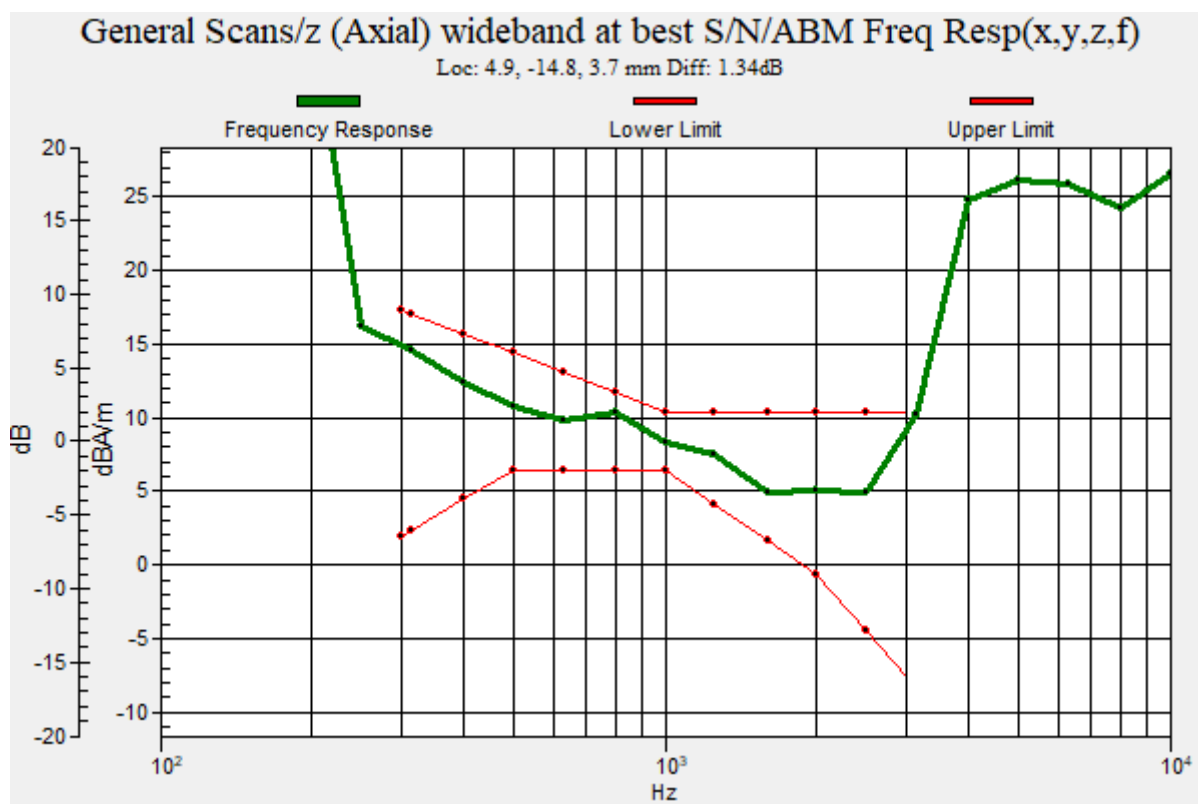
- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm



**P26 OTT\_LTE 48\_QPSK20M\_Ch56210\_Duo Opus 75kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 3647 MHz; Duty Cycle: 1:8.33

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

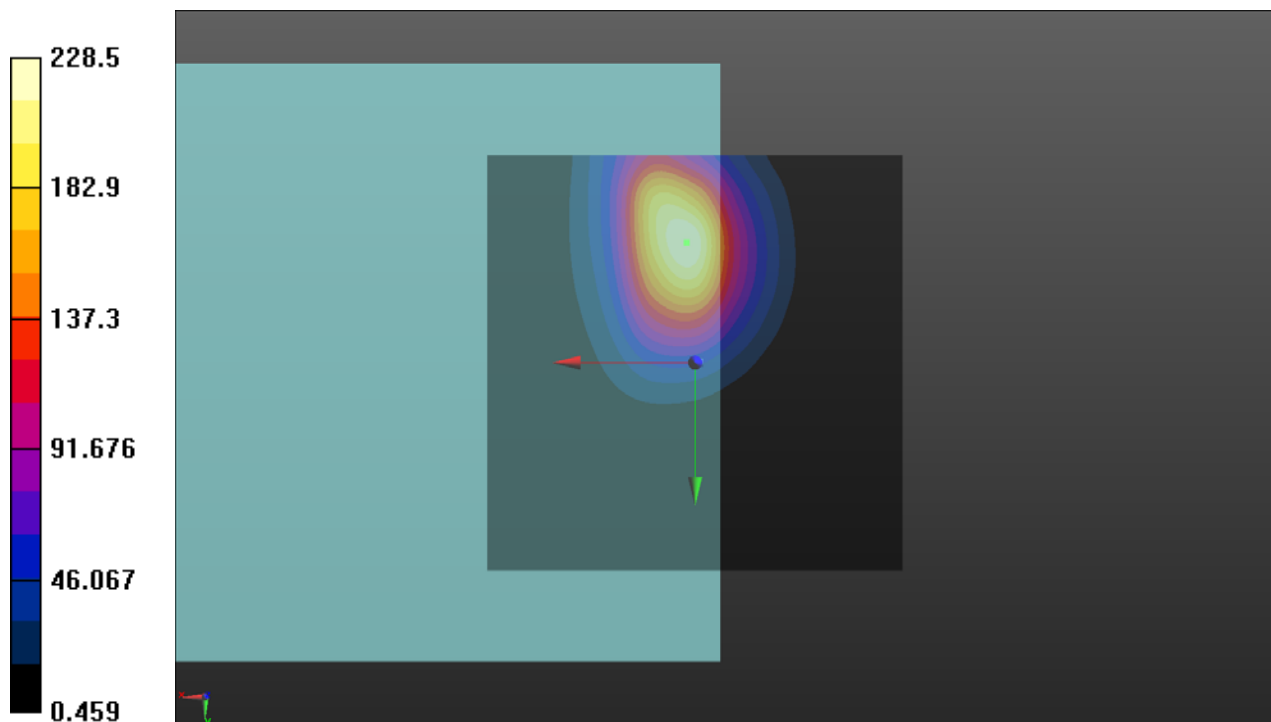
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 47.18 dB

ABM1 comp = 8.21 dBA/m

Location: 1, -14.5, 3.7 mm



**P26 OTT\_LTE 48\_QPSK20M\_Ch56210\_Duo Opus 75kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 3647 MHz; Duty Cycle: 1:8.33

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

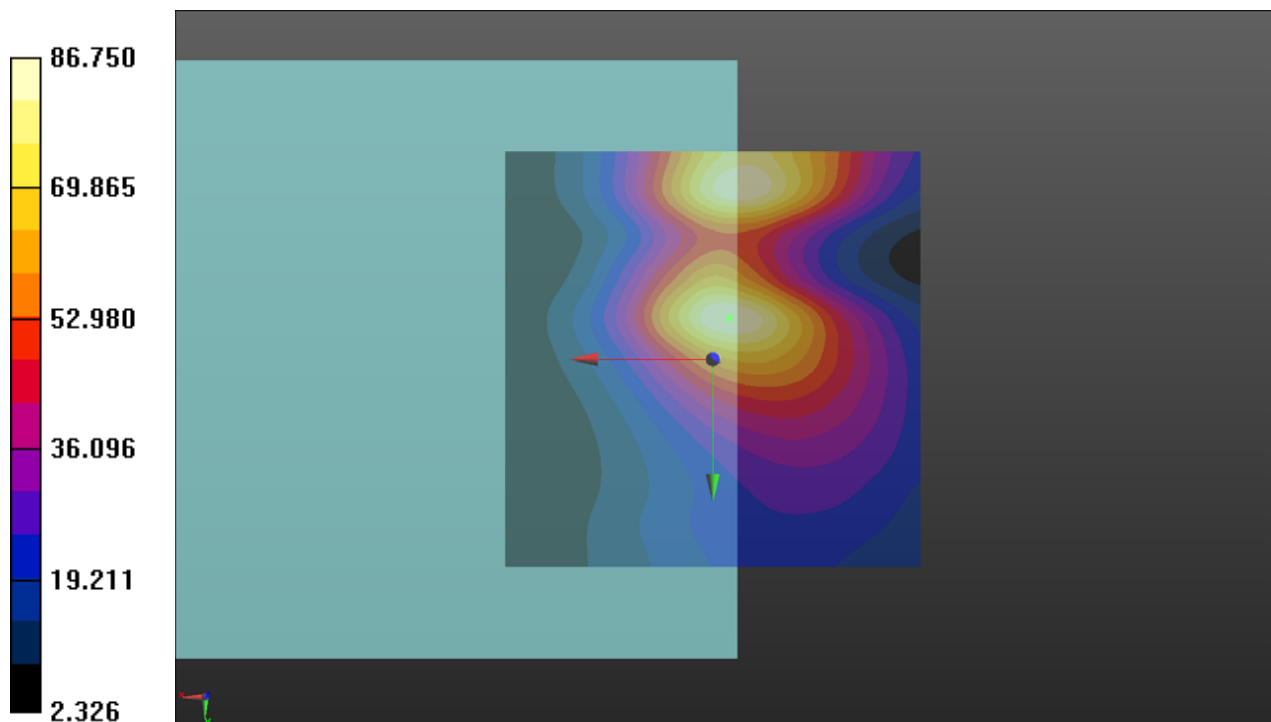
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 38.77 dB

ABM1 comp = -1.35 dBA/m

Location: -2, -5, 3.7 mm



**P26 OTT\_LTE 48\_QPSK20M\_Ch56210\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 3647 MHz; Duty Cycle: 1:8.33

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

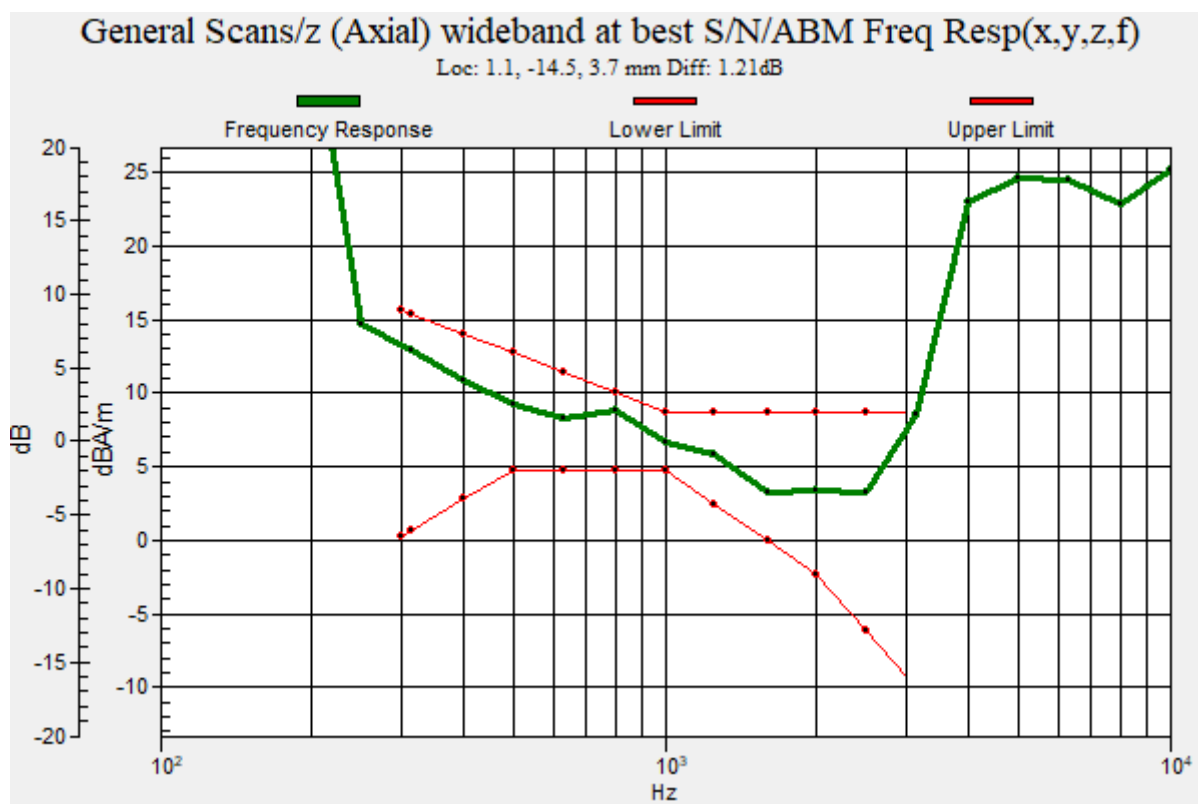
- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm



**P27 OTT\_LTE 66\_QPSK20M\_Ch132322\_Duo Opus 75kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1745 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

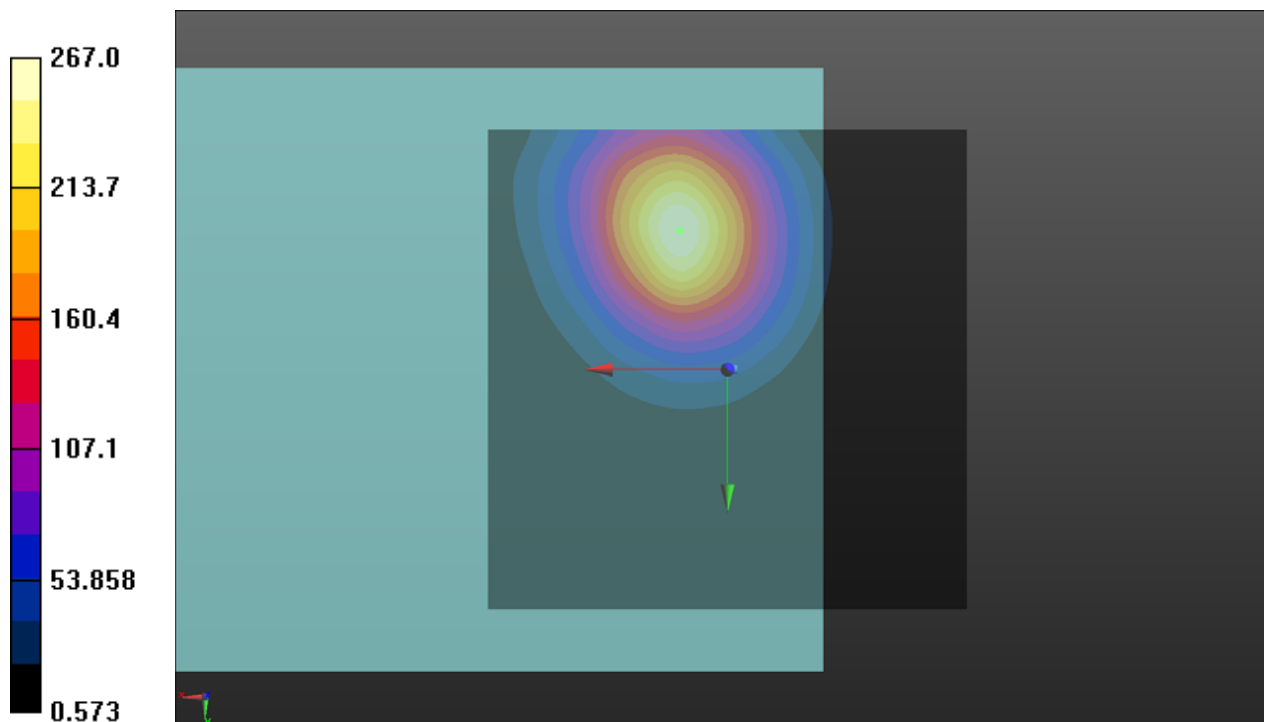
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.53 dB

ABM1 comp = 10.33 dBA/m

Location: 5, -14.5, 3.7 mm



**P27 OTT\_LTE 66\_QPSK20M\_Ch132322\_Duo Opus 75kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 1745 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

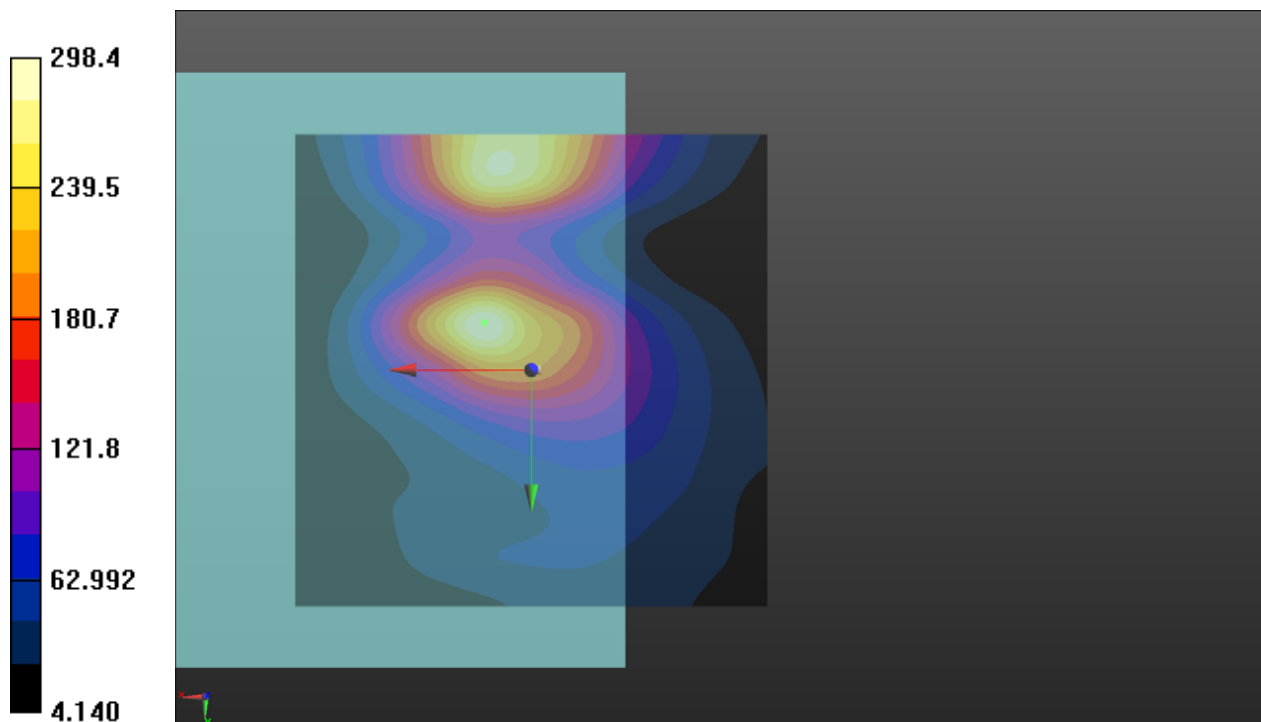
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.50 dB

ABM1 comp = 2.19 dBA/m

Location: 5, -5, 3.7 mm



**P27 OTT\_LTE 66\_QPSK20M\_Ch132322\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

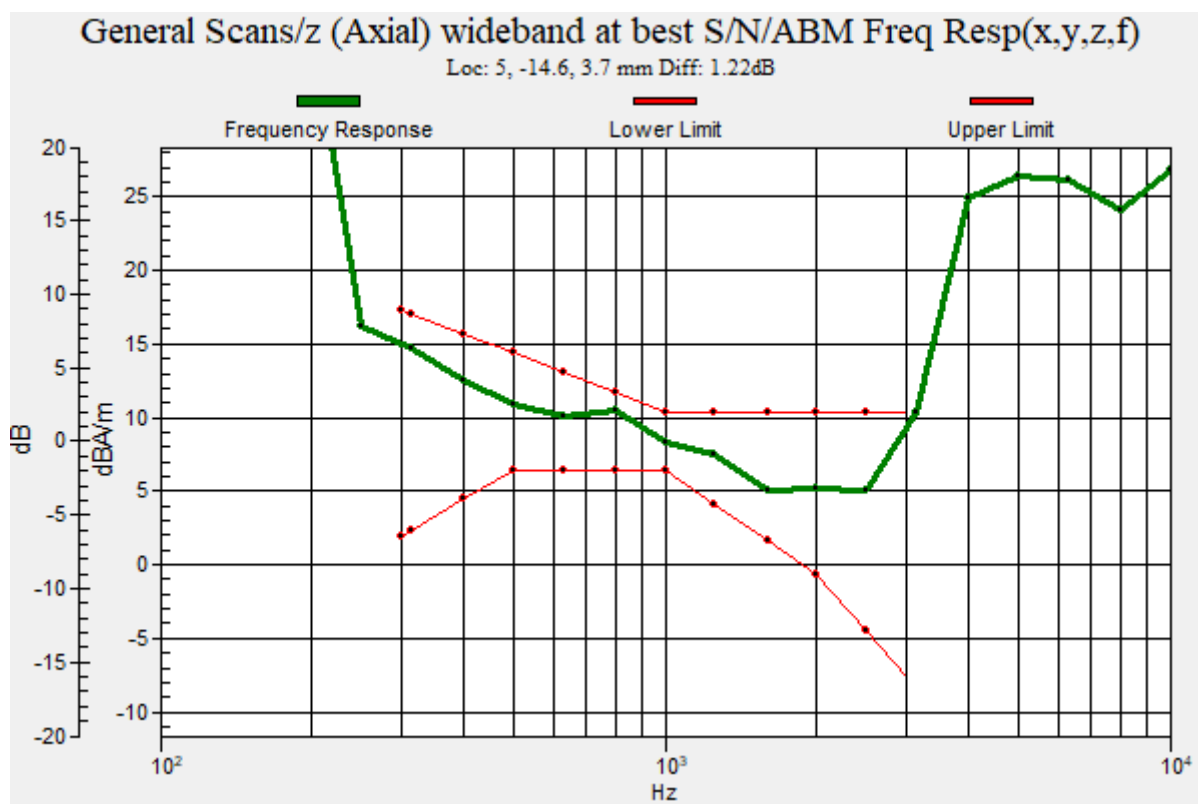
Frequency: 1745 MHz;Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm

**P28 OTT\_LTE 71\_QPSK20M\_Ch133297\_Duo Opus 75kbps\_Axial (Z)****DUT: 170328C23**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 680.5 MHz;Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

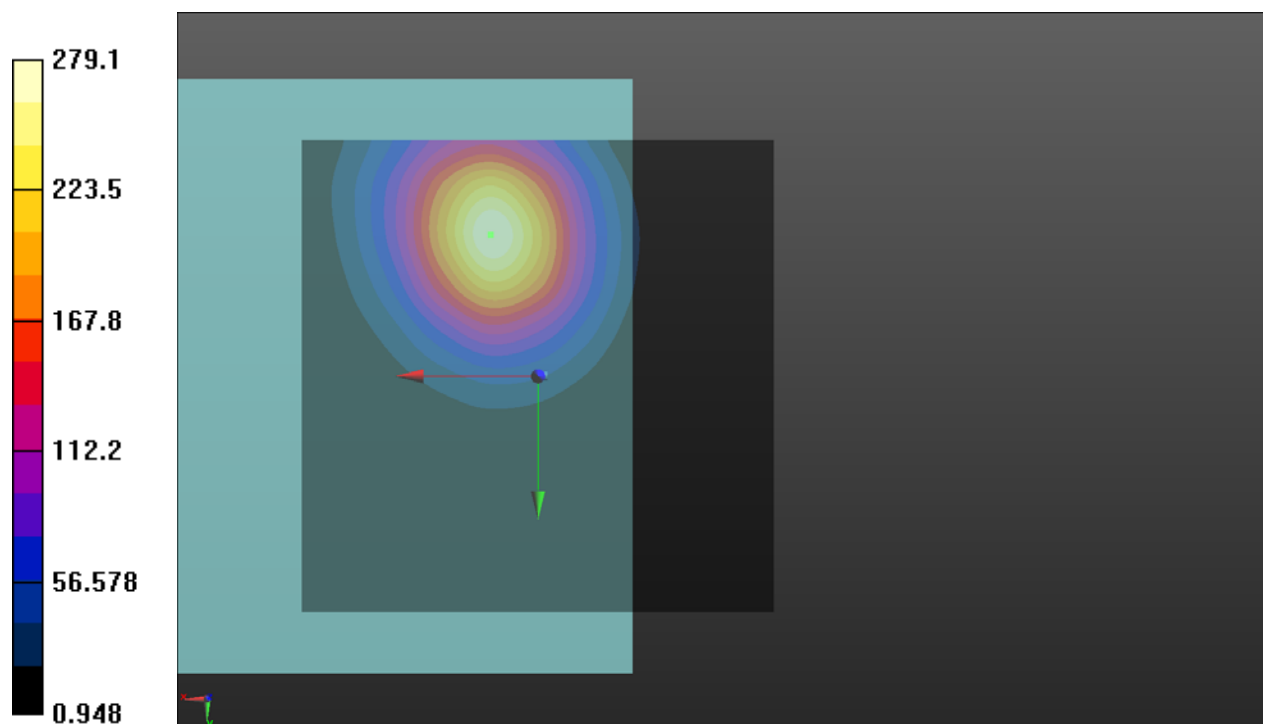
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.92 dB

ABM1 comp = 10.74 dBA/m

Location: 5, -15, 3.7 mm



**P28 OTT\_LTE 71\_QPSK20M\_Ch133297\_Duo Opus 75kbps\_Radial (Y)****DUT: 170328C23**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 680.5 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

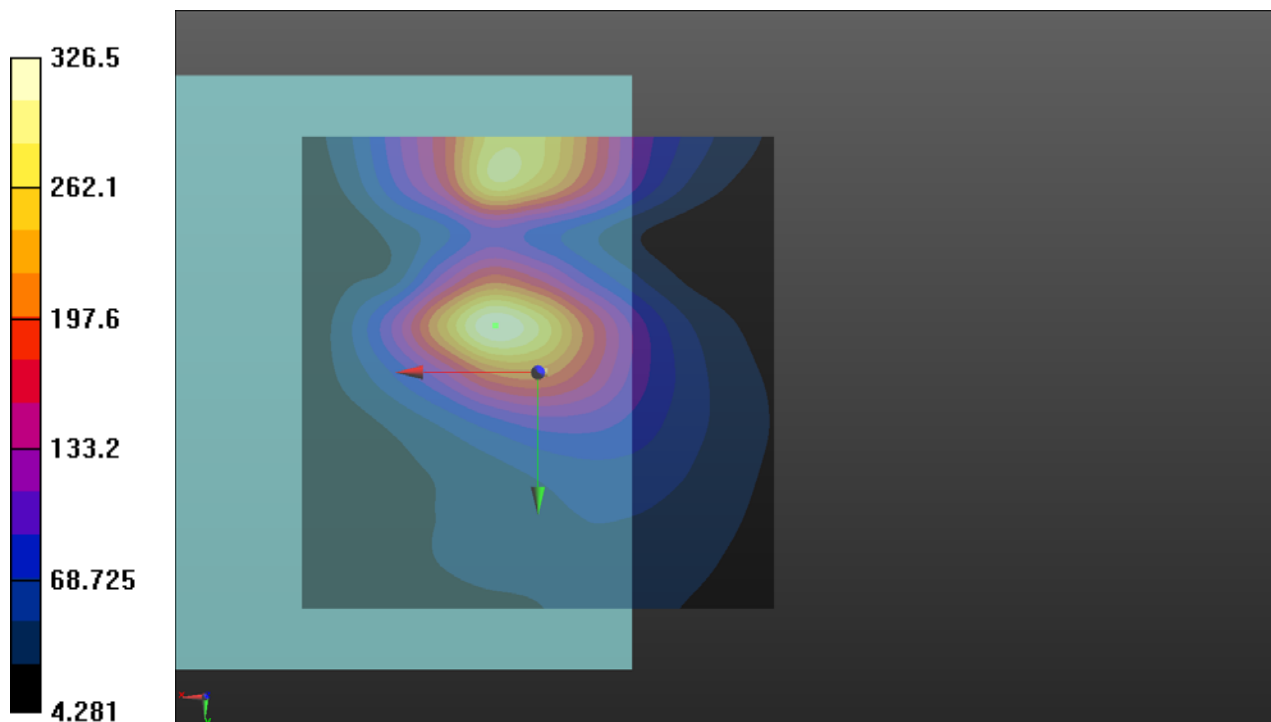
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 50.28 dB

ABM1 comp = 2.66 dBA/m

Location: 4.5, -5, 3.7 mm



**P28 OTT\_LTE 71\_QPSK20M\_Ch133297\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10169 - CAE, LTE-FDD (SC-FDMA, 1 RB, 20 MHz, QPSK);

Frequency: 680.5 MHz; Duty Cycle: 1:3.74

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

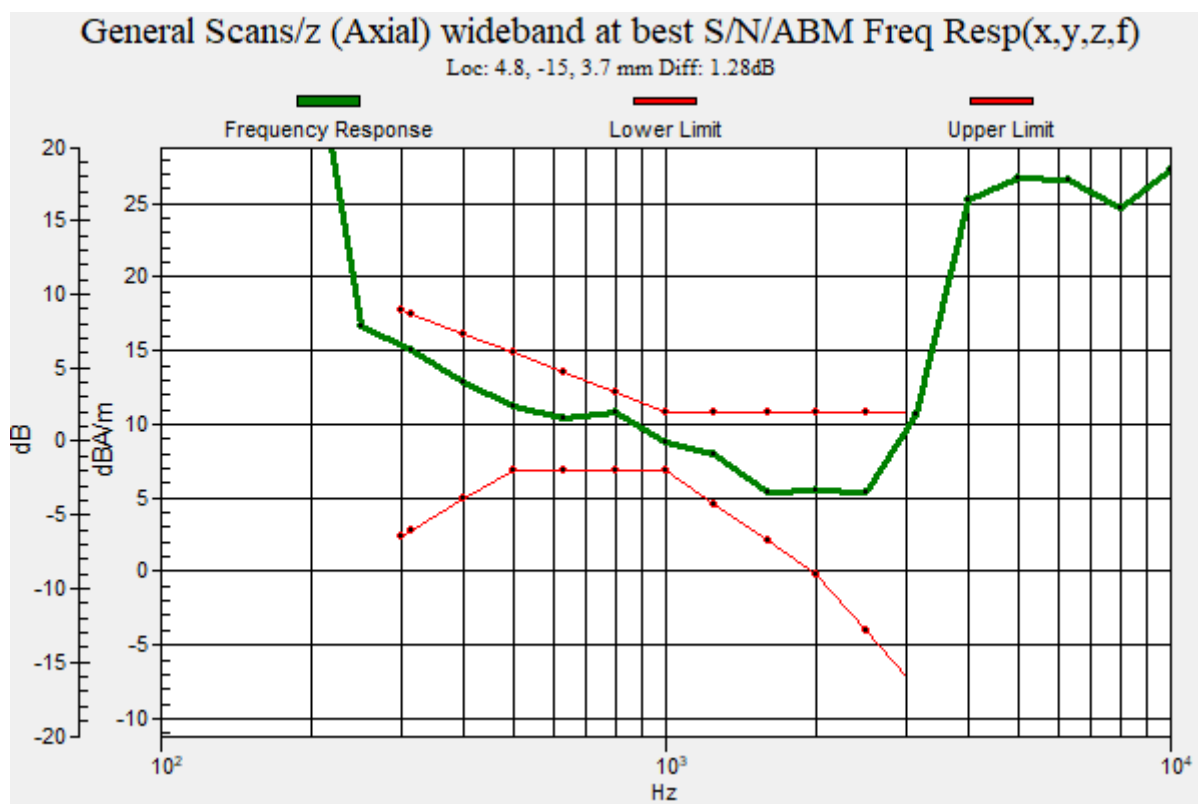
- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm



**P29 OTT\_WLAN2.4G\_802.11b\_1Mbps\_Ch6\_Duo Opus 75kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2437 MHz; Duty Cycle: 1:1.54

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

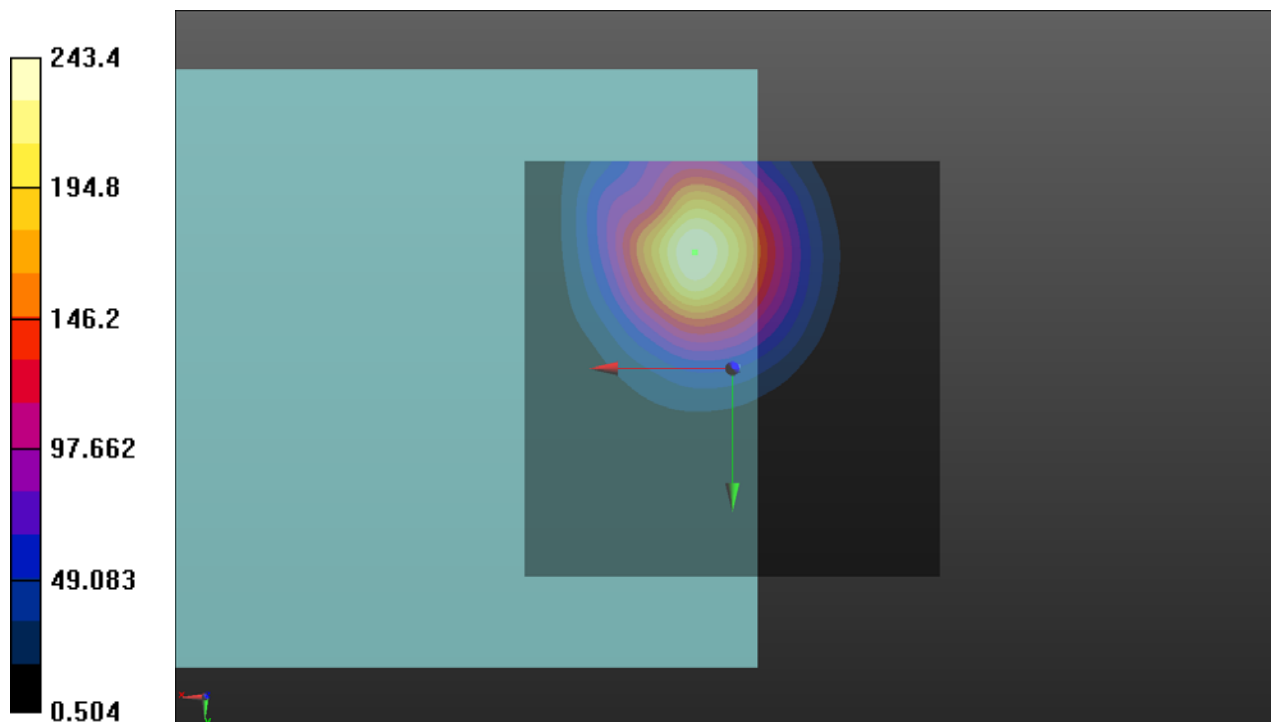
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 47.72 dB

ABM1 comp = 10.75 dBA/m

Location: 4.5, -14, 3.7 mm



**P29 OTT\_WLAN2.4G\_802.11b\_1Mbps\_Ch6\_Duo Opus 75kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2437 MHz; Duty Cycle: 1:1.54

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20

- Sensor-Surface: 0mm (Fix Surface)

- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24

- 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)

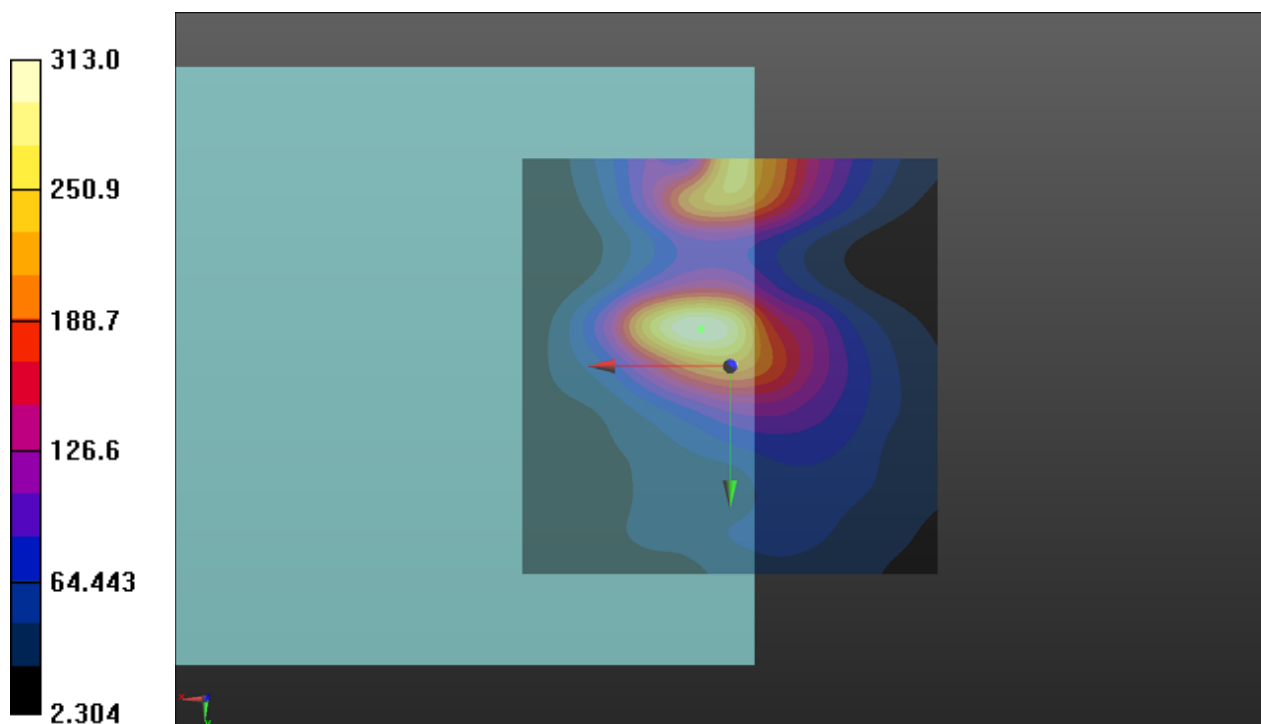
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 49.91 dB

ABM1 comp = 2.13 dBA/m

Location: 3.5, -4.5, 3.7 mm



**P29 OTT\_WLAN2.4G\_802.11b\_1Mbps\_Ch6\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10012 - CAB, IEEE 802.11b WiFi 2.4 GHz (DSSS, 1 Mbps);

Frequency: 2437 MHz; Duty Cycle: 1:1.54

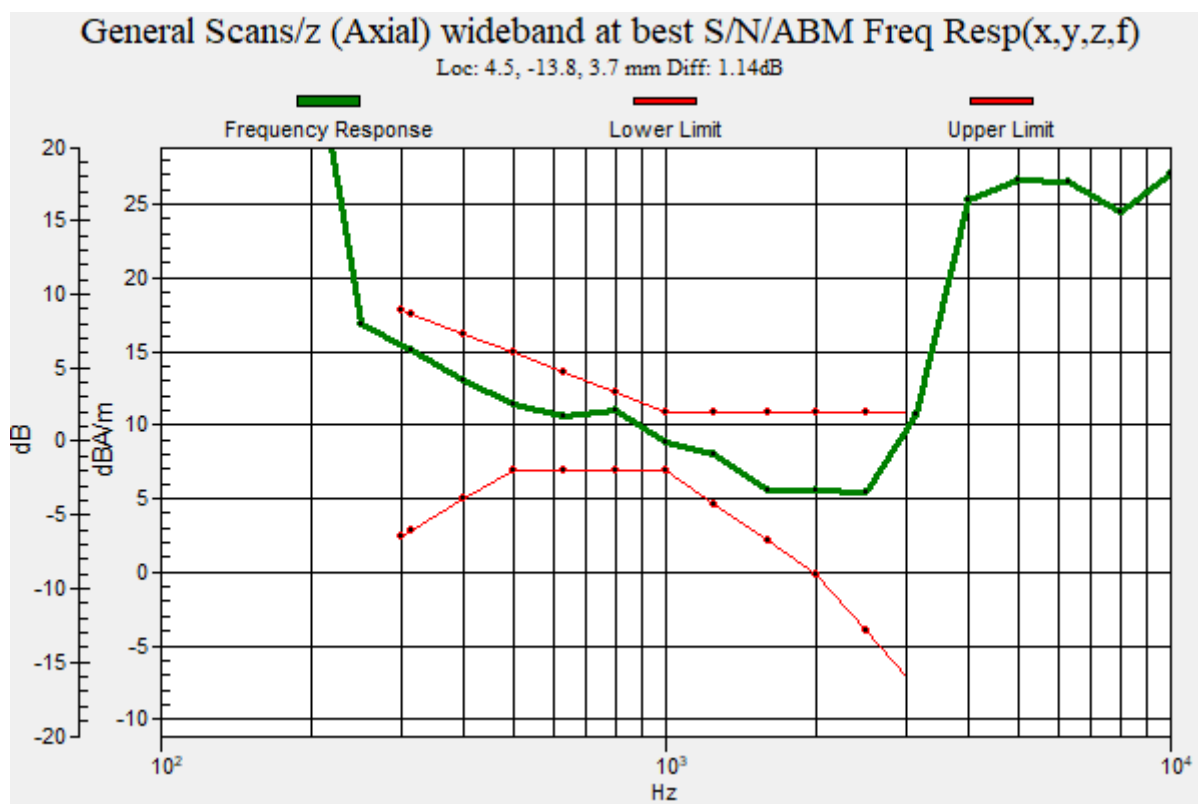
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm



**P30 OTT\_WLAN5.6G\_802.11a\_6Mbps\_Ch124\_Duo Opus 75kbps\_Axial (Z)****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5620 MHz; Duty Cycle: 1:7.38

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

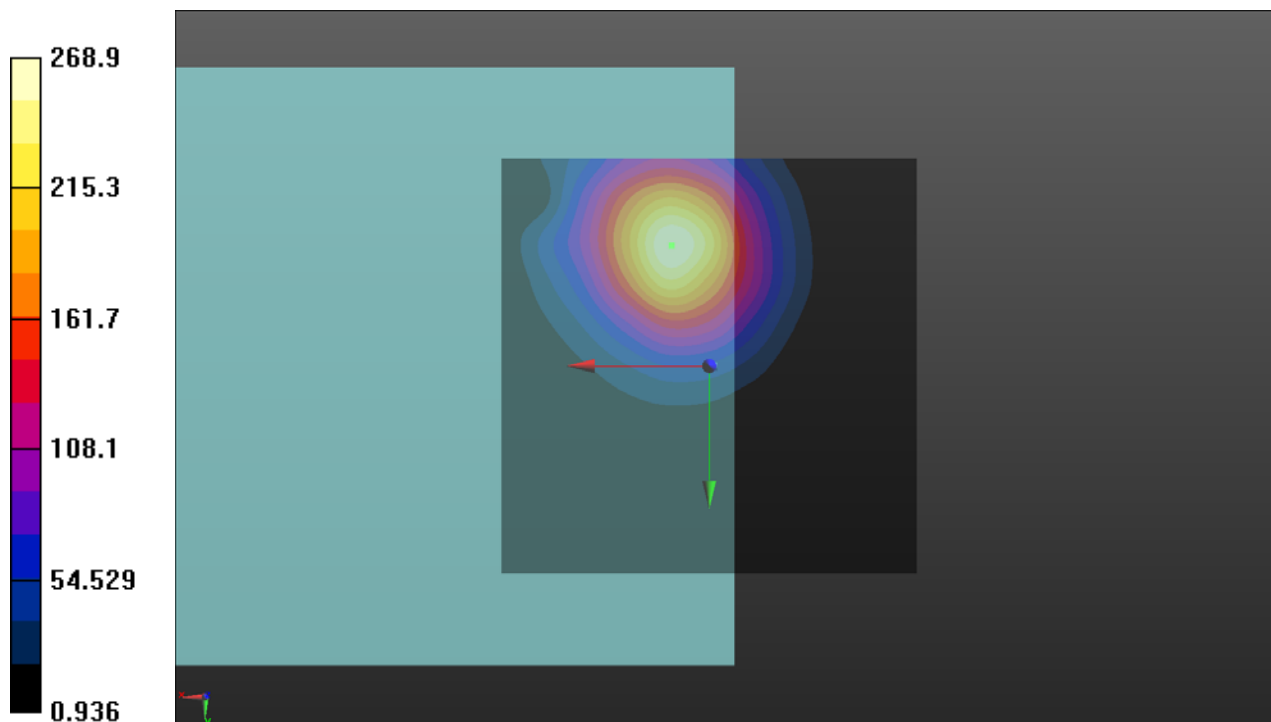
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 48.59 dB

ABM1 comp = 10.66 dBA/m

Location: 4.5, -14.5, 3.7 mm



**P30 OTT\_WLAN5.6G\_802.11a\_6Mbps\_Ch124\_Duo Opus 75kbps\_Radial (Y)****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5620 MHz; Duty Cycle: 1:7.38

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

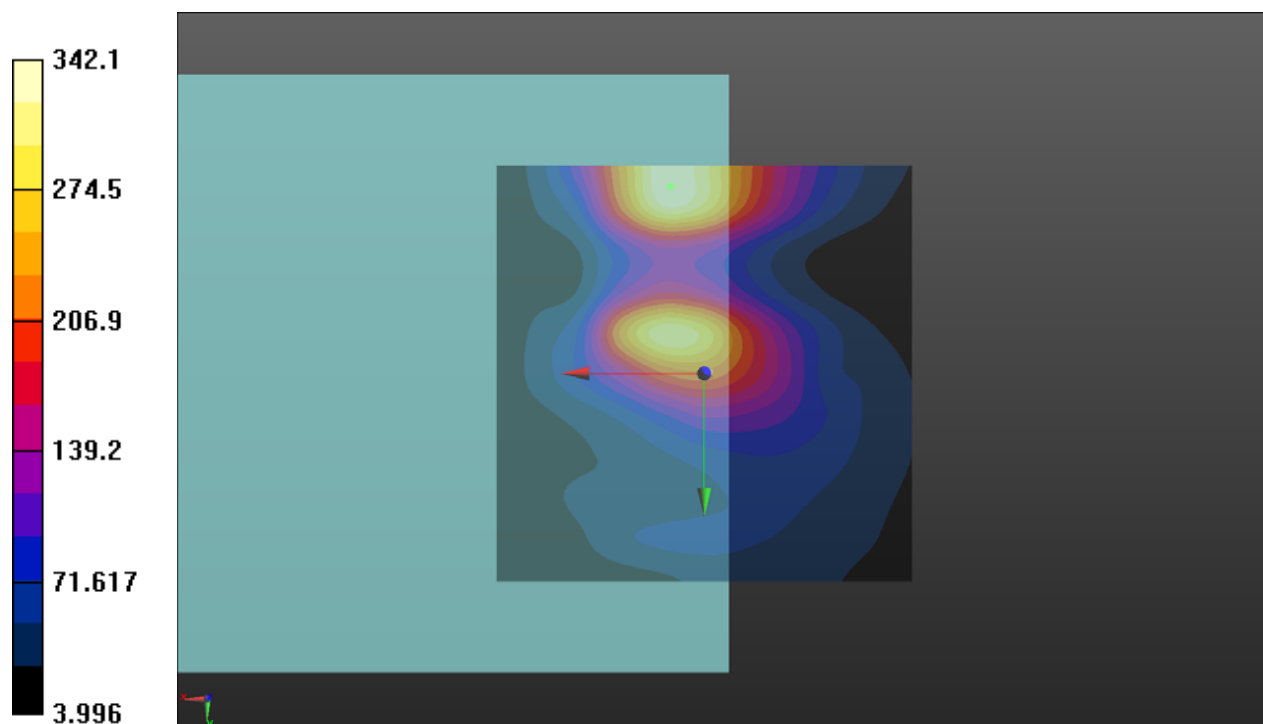
**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Interpolated grid:

dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 50.68 dB

ABM1 comp = 2.53 dBA/m

Location: 4, -22.5, 3.7 mm



**P30 OTT\_WLAN5.6G\_802.11a\_6Mbps\_Ch124\_Duo Opus 75kbps\_Freq Resp****DUT: P21050403**

Communication System: UID 10062 - CAD, IEEE 802.11a/h WiFi 5 GHz (OFDM, 6 Mbps);

Frequency: 5620 MHz; Duty Cycle: 1:7.38

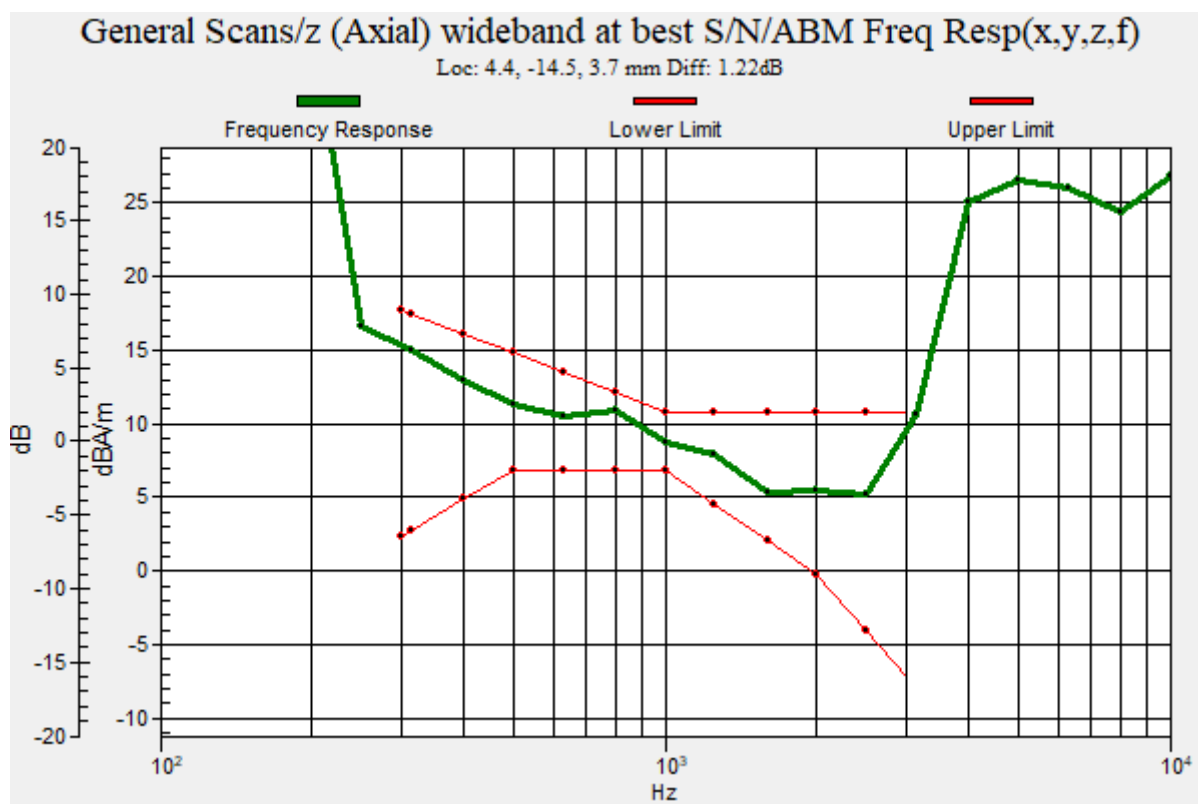
Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C

**DASY5 Configuration:**

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:  
dx=10mm, dy=10mm



# **P31 OTT\_5G NR n5\_DFT-S QPSK20M\_Ch167300\_1RB\_OS1\_Duo Opus 75kbps\_Axial (Z)\_ABM2**

**DUT: P21050403**

Communication System: UID 10931 - AAB, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 836.5 MHz;Duty Cycle: 1:3.56

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

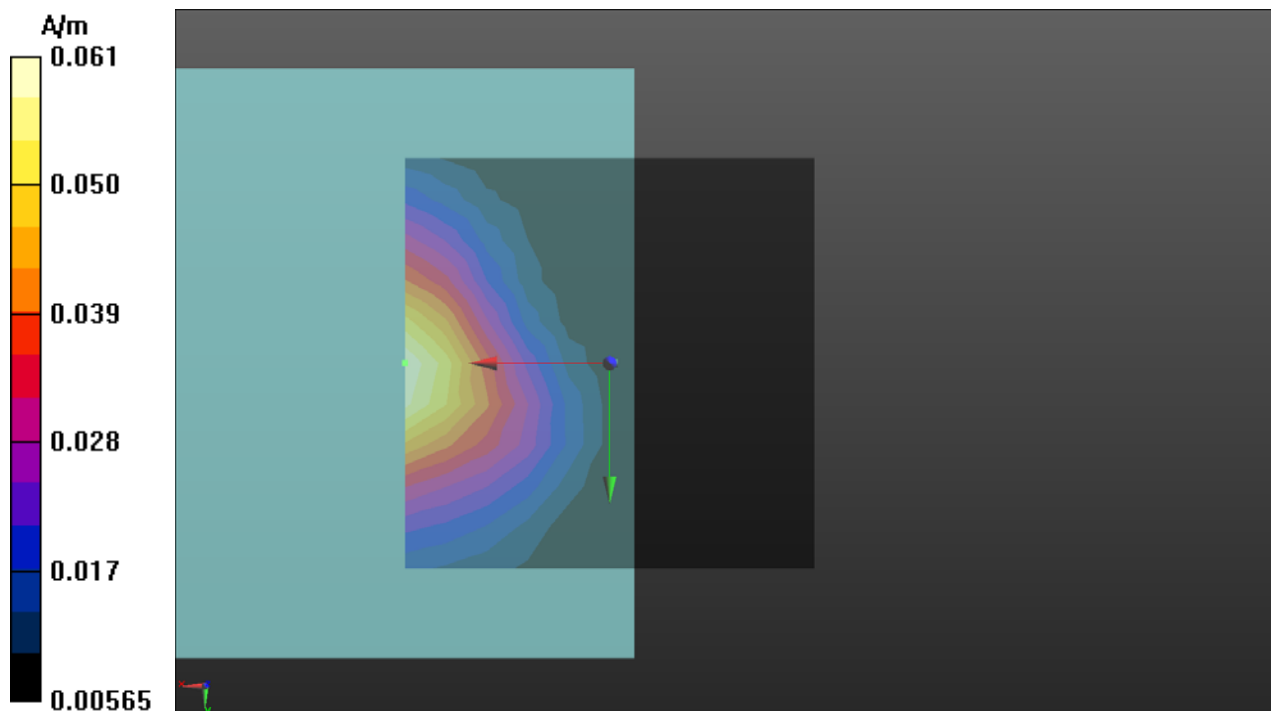
- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:

dx=10mm, dy=10mm

ABM2 = -21.26 dBA/m

Location: 25, 0, 3.7 mm



**P31 OTT\_5G NR n5\_DFT-S QPSK20M\_Ch167300\_1RB\_OS1\_Duo Opus  
75kbps\_Radial (Y)\_ABM2****DUT: P21050403**

Communication System: UID 10931 - AAB, 5G NR (DFT-s-OFDM, 1 RB, 20 MHz, QPSK, 15 kHz); Frequency: 836.5 MHz; Duty Cycle: 1:3.56

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

Ambient Temperature : 23.6 °C

DASY5 Configuration:

- Probe: AM1DV3 - 3060; ; Calibrated: 2021/01/20
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1431; Calibrated: 2021/03/24
- 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)

**T-Coil scan (scan for ANSI C63.19 compliance)/General Scans:** Measurement grid:

dx=10mm, dy=10mm

ABM2 = -28.33 dBA/m

Location: 25, -5, 3.7 mm

