

### #01\_HAC\_E\_GSM850\_GSM Voice\_Ch128

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 71.34 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.13 dBV/m

**Emission category: M4**

MIF scaled E-field

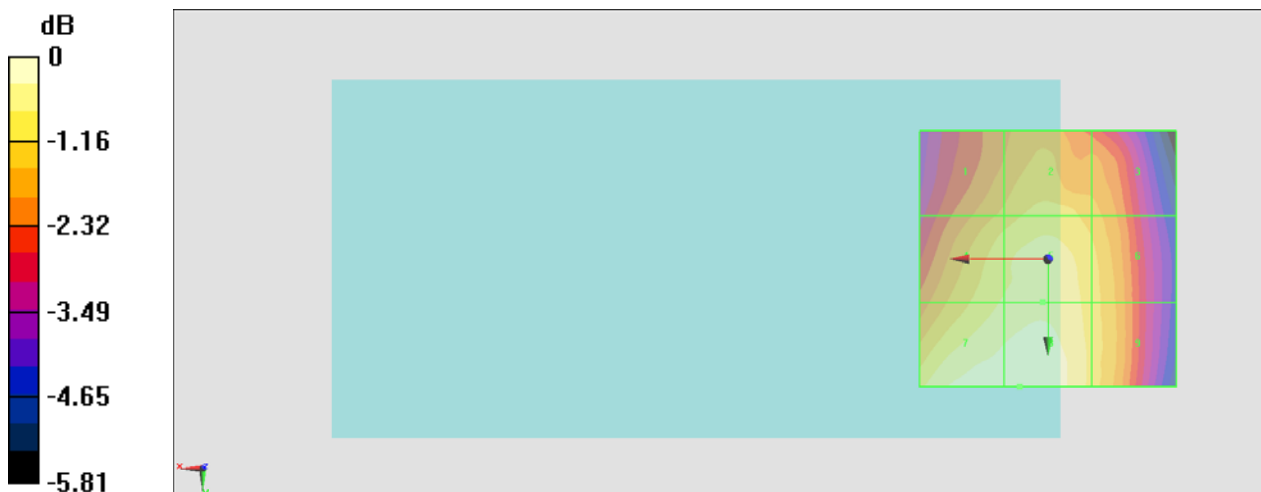
Grid 1 M4 <b>37.73 dBV/m</b>	Grid 2 M4 <b>38.15 dBV/m</b>	Grid 3 M4 <b>37.8 dBV/m</b>
Grid 4 M4 <b>38.42 dBV/m</b>	Grid 5 M4 <b>38.66 dBV/m</b>	Grid 6 M4 <b>38.19 dBV/m</b>
Grid 7 M4 <b>39.1 dBV/m</b>	Grid 8 M4 <b>39.13 dBV/m</b>	Grid 9 M4 <b>38.26 dBV/m</b>

**Cursor:**

Total = 39.13 dBV/m

E Category: M4

Location: 5.5, 25, 8.7 mm



0 dB = 90.52 V/m = 39.13 dBV/m

## #02\_HAC\_E\_GSM850\_GSM Voice\_Ch189

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 74.31 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.76 dBV/m

**Emission category: M4**

MIF scaled E-field

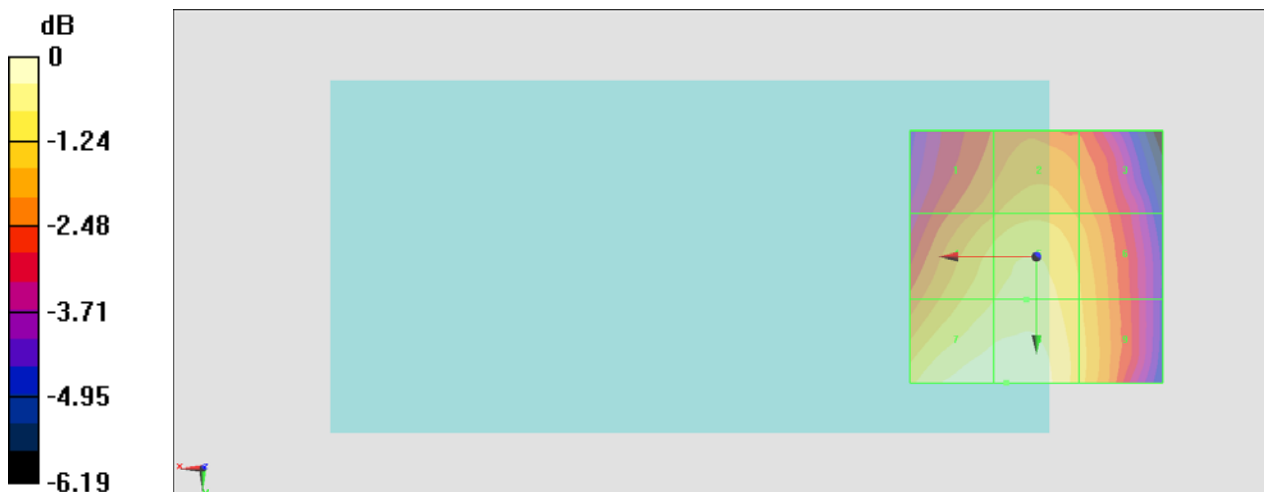
Grid 1 M4 <b>38.06 dBV/m</b>	Grid 2 M4 <b>38.45 dBV/m</b>	Grid 3 M4 <b>38.03 dBV/m</b>
Grid 4 M4 <b>38.93 dBV/m</b>	Grid 5 M4 <b>39.13 dBV/m</b>	Grid 6 M4 <b>38.58 dBV/m</b>
Grid 7 M4 <b>39.71 dBV/m</b>	Grid 8 M4 <b>39.76 dBV/m</b>	Grid 9 M4 <b>38.74 dBV/m</b>

**Cursor:**

Total = 39.76 dBV/m

E Category: M4

Location: 6, 25, 8.7 mm



0 dB = 97.27 V/m = 39.76 dBV/m

### #03\_HAC\_E\_GSM850\_GSM Voice\_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

#### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 77.08 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.08 dBV/m

**Emission category: M3**

MIF scaled E-field

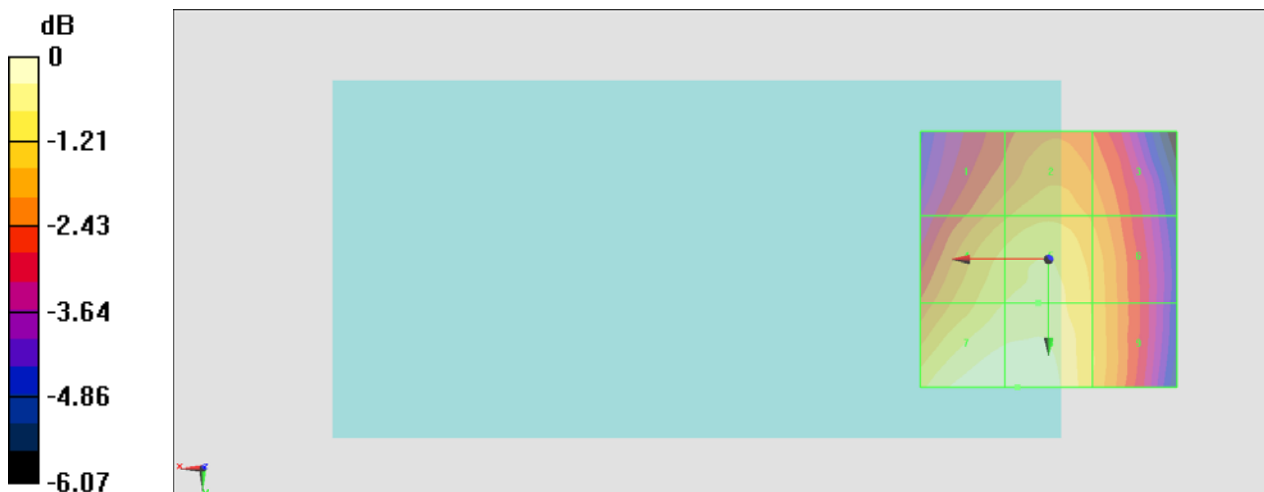
Grid 1 <b>M4</b> <b>38.39 dBV/m</b>	Grid 2 <b>M4</b> <b>38.79 dBV/m</b>	Grid 3 <b>M4</b> <b>38.4 dBV/m</b>
Grid 4 <b>M4</b> <b>39.28 dBV/m</b>	Grid 5 <b>M4</b> <b>39.45 dBV/m</b>	Grid 6 <b>M4</b> <b>38.83 dBV/m</b>
Grid 7 <b>M3</b> <b>40.03 dBV/m</b>	Grid 8 <b>M3</b> <b>40.08 dBV/m</b>	Grid 9 <b>M4</b> <b>38.93 dBV/m</b>

**Cursor:**

Total = 40.08 dBV/m

E Category: M3

Location: 6, 25, 8.7 mm



0 dB = 100.9 V/m = 40.08 dBV/m

### #04\_HAC\_E\_GSM850\_GSM Voice\_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2017/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 74.50 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.78 dBV/m

**Emission category: M4**

MIF scaled E-field

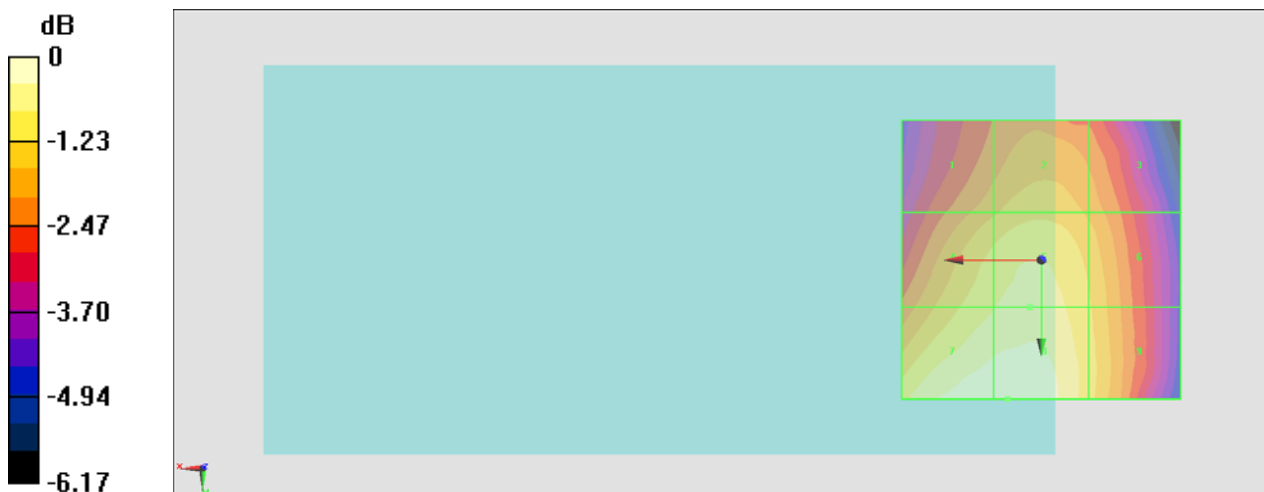
Grid 1 M4 <b>38.08 dBV/m</b>	Grid 2 M4 <b>38.47 dBV/m</b>	Grid 3 M4 <b>38.06 dBV/m</b>
Grid 4 M4 <b>38.95 dBV/m</b>	Grid 5 M4 <b>39.15 dBV/m</b>	Grid 6 M4 <b>38.6 dBV/m</b>
Grid 7 M4 <b>39.73 dBV/m</b>	Grid 8 M4 <b>39.78 dBV/m</b>	Grid 9 M4 <b>38.76 dBV/m</b>

**Cursor:**

Total = 39.78 dBV/m

E Category: M4

Location: 6, 25, 8.7 mm



0 dB = 97.49 V/m = 39.78 dBV/m

### #05\_HAC\_E\_GSM850\_GSM Voice\_Ch251

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 76.56 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.63 dBV/m

**Emission category: M4**

MIF scaled E-field

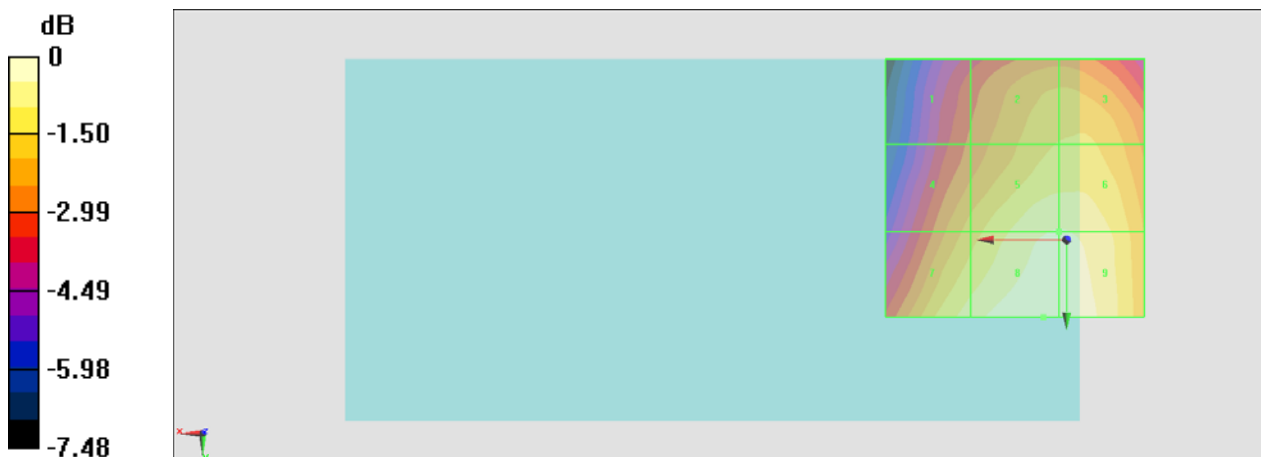
<b>Grid 1 M4</b> <b>36.79 dBV/m</b>	<b>Grid 2 M4</b> <b>38.17 dBV/m</b>	<b>Grid 3 M4</b> <b>38.23 dBV/m</b>
<b>Grid 4 M4</b> <b>37.9 dBV/m</b>	<b>Grid 5 M4</b> <b>39.16 dBV/m</b>	<b>Grid 6 M4</b> <b>39.16 dBV/m</b>
<b>Grid 7 M4</b> <b>38.93 dBV/m</b>	<b>Grid 8 M4</b> <b>39.63 dBV/m</b>	<b>Grid 9 M4</b> <b>39.6 dBV/m</b>

**Cursor:**

Total = 39.63 dBV/m

E Category: M4

Location: 4.5, 15, 8.7 mm



0 dB = 95.83 V/m = 39.63 dBV/m

### #06\_HAC\_E\_GSM1900\_GSM Voice\_Ch512

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.88 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.91 dBV/m

**Emission category: M3**

MIF scaled E-field

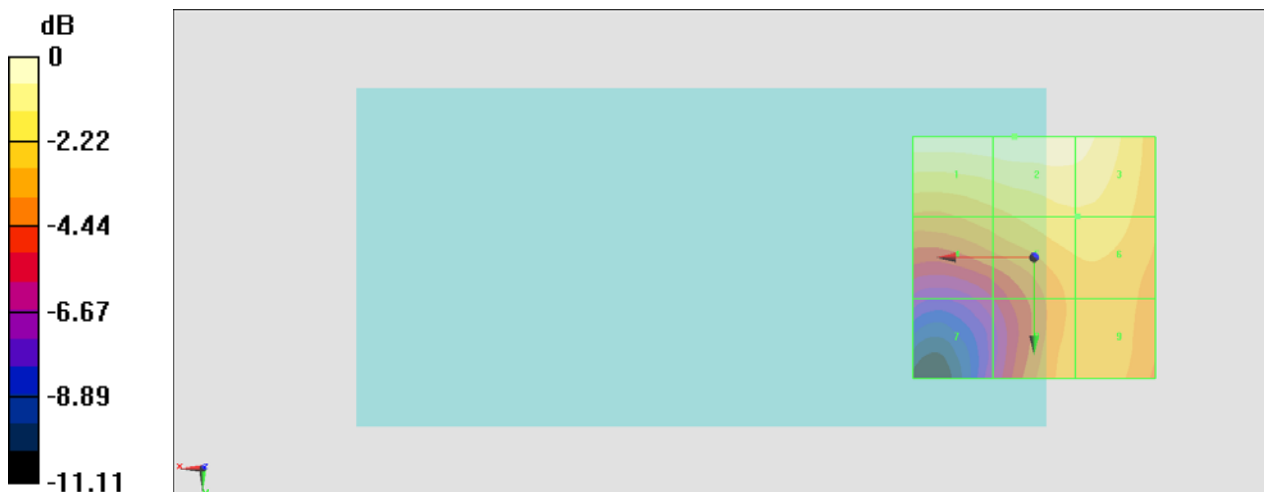
Grid 1 <b>M3</b> <b>31.83 dBV/m</b>	Grid 2 <b>M3</b> <b>31.91 dBV/m</b>	Grid 3 <b>M3</b> <b>31.58 dBV/m</b>
Grid 4 <b>M4</b> <b>29.43 dBV/m</b>	Grid 5 <b>M3</b> <b>30.3 dBV/m</b>	Grid 6 <b>M3</b> <b>30.3 dBV/m</b>
Grid 7 <b>M4</b> <b>26 dBV/m</b>	Grid 8 <b>M4</b> <b>29.38 dBV/m</b>	Grid 9 <b>M4</b> <b>29.51 dBV/m</b>

**Cursor:**

Total = 31.91 dBV/m

E Category: M3

Location: 4, -25, 8.7 mm



0 dB = 39.42 V/m = 31.91 dBV/m

### #07\_HAC\_E\_GSM1900\_GSM Voice\_Ch661

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 27.45 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.18 dBV/m

**Emission category: M3**

MIF scaled E-field

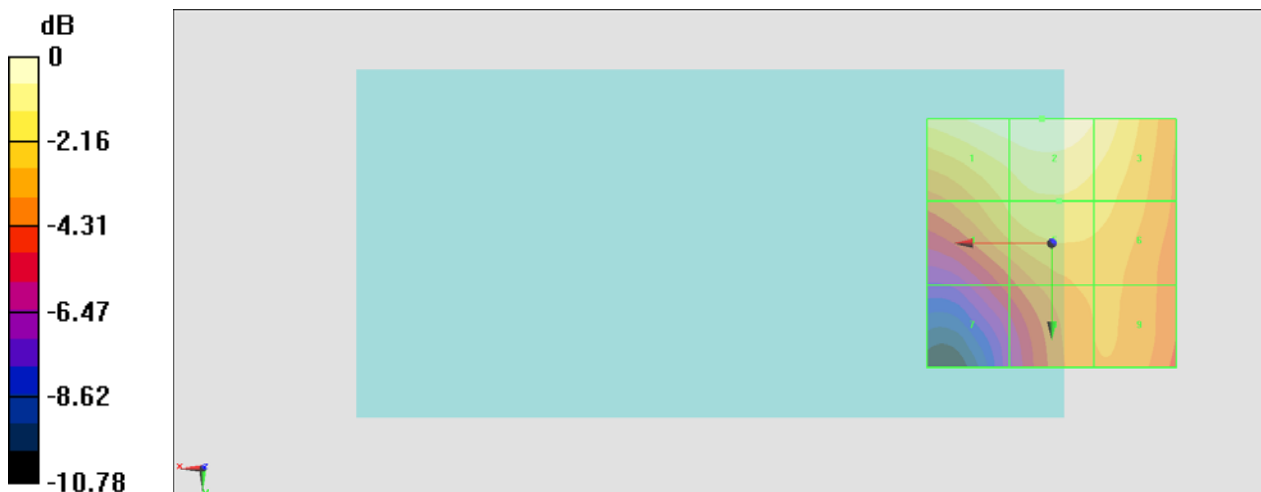
Grid 1 <b>M3</b> <b>32.03 dBV/m</b>	Grid 2 <b>M3</b> <b>32.18 dBV/m</b>	Grid 3 <b>M3</b> <b>31.5 dBV/m</b>
Grid 4 <b>M3</b> <b>30.2 dBV/m</b>	Grid 5 <b>M3</b> <b>30.67 dBV/m</b>	Grid 6 <b>M3</b> <b>30.4 dBV/m</b>
Grid 7 <b>M4</b> <b>27.54 dBV/m</b>	Grid 8 <b>M4</b> <b>29.45 dBV/m</b>	Grid 9 <b>M4</b> <b>29.46 dBV/m</b>

**Cursor:**

Total = 32.18 dBV/m

E Category: M3

Location: 2, -25, 8.7 mm



0 dB = 40.63 V/m = 32.18 dBV/m

### #08\_HAC\_E\_GSM1900\_GSM Voice\_Ch810

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

#### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.70 V/m; Power Drift = 0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.84 dBV/m

**Emission category: M3**

MIF scaled E-field

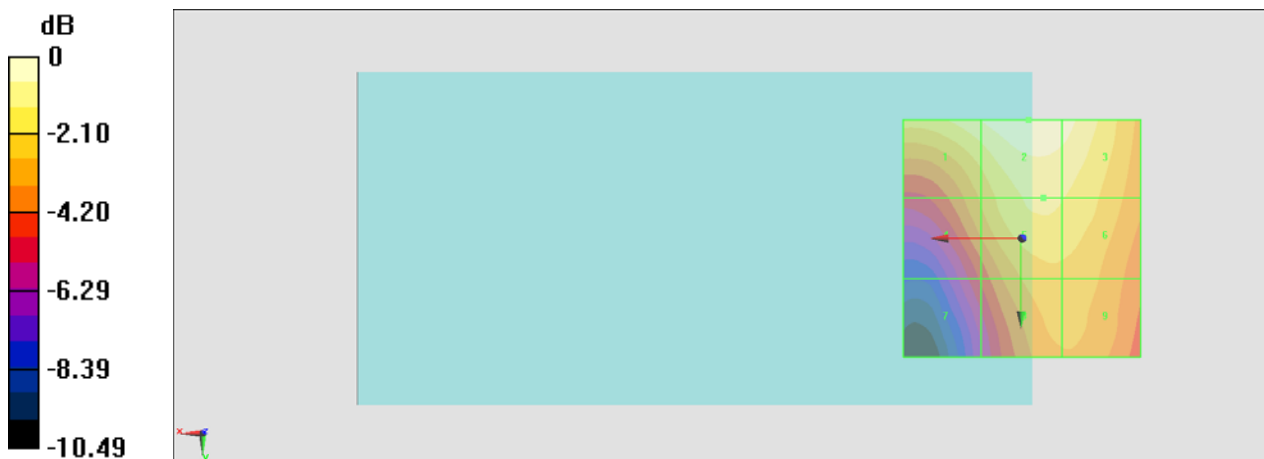
Grid 1 <b>M3</b> <b>30.19 dBV/m</b>	Grid 2 <b>M3</b> <b>30.84 dBV/m</b>	Grid 3 <b>M3</b> <b>30.47 dBV/m</b>
Grid 4 <b>M4</b> <b>28.17 dBV/m</b>	Grid 5 <b>M4</b> <b>29.6 dBV/m</b>	Grid 6 <b>M4</b> <b>29.47 dBV/m</b>
Grid 7 <b>M4</b> <b>26.14 dBV/m</b>	Grid 8 <b>M4</b> <b>28.57 dBV/m</b>	Grid 9 <b>M4</b> <b>28.55 dBV/m</b>

**Cursor:**

Total = 30.84 dBV/m

E Category: M3

Location: -1.5, -25, 8.7 mm



0 dB = 34.82 V/m = 30.84 dBV/m



### #09\_HAC\_E\_GSM1900\_GSM Voice\_Ch661

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: Air Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C

DASY5 Configuration:

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2017/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn853; Calibrated: 2017/7/19
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

### E Scan - ER3D: 15 mm from Probe Center to the Device/Hearing Aid

**Compatibility Test (101x101x1):** Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 23.99 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 31.95 dBV/m

**Emission category: M3**

MIF scaled E-field

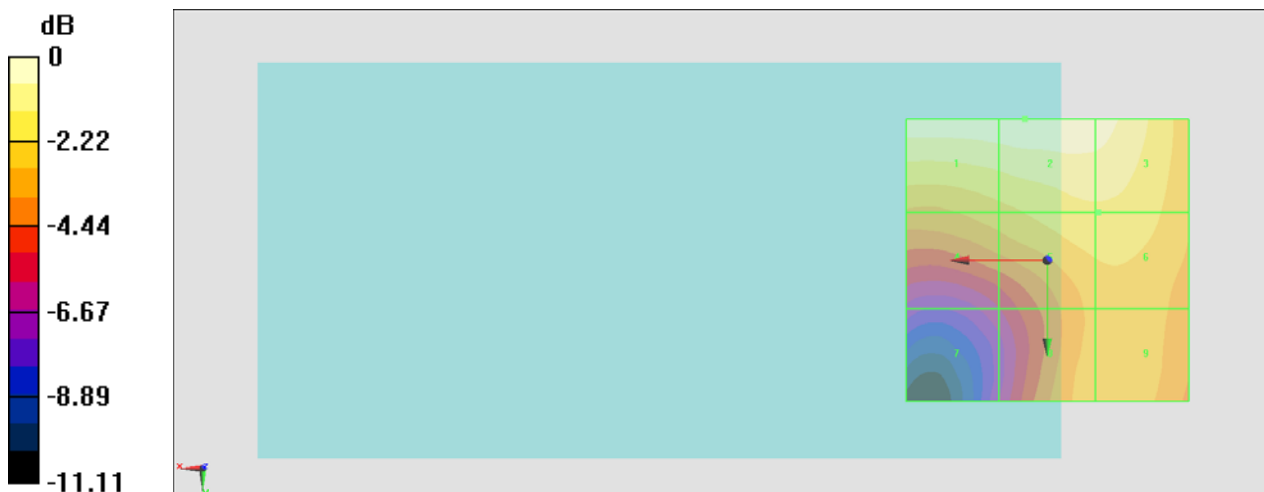
Grid 1 <b>M3</b> <b>31.87 dBV/m</b>	Grid 2 <b>M3</b> <b>31.95 dBV/m</b>	Grid 3 <b>M3</b> <b>31.61 dBV/m</b>
Grid 4 <b>M4</b> <b>29.47 dBV/m</b>	Grid 5 <b>M3</b> <b>30.33 dBV/m</b>	Grid 6 <b>M3</b> <b>30.33 dBV/m</b>
Grid 7 <b>M4</b> <b>26.04 dBV/m</b>	Grid 8 <b>M4</b> <b>29.42 dBV/m</b>	Grid 9 <b>M4</b> <b>29.54 dBV/m</b>

**Cursor:**

Total = 31.95 dBV/m

E Category: M3

Location: 4, -25, 8.7 mm



0 dB = 39.56 V/m = 31.95 dBV/m