

## #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 : 23.3 °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 = 48.57 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.17 dBV/m

**Emission category: M4**

MIF scaled E-field

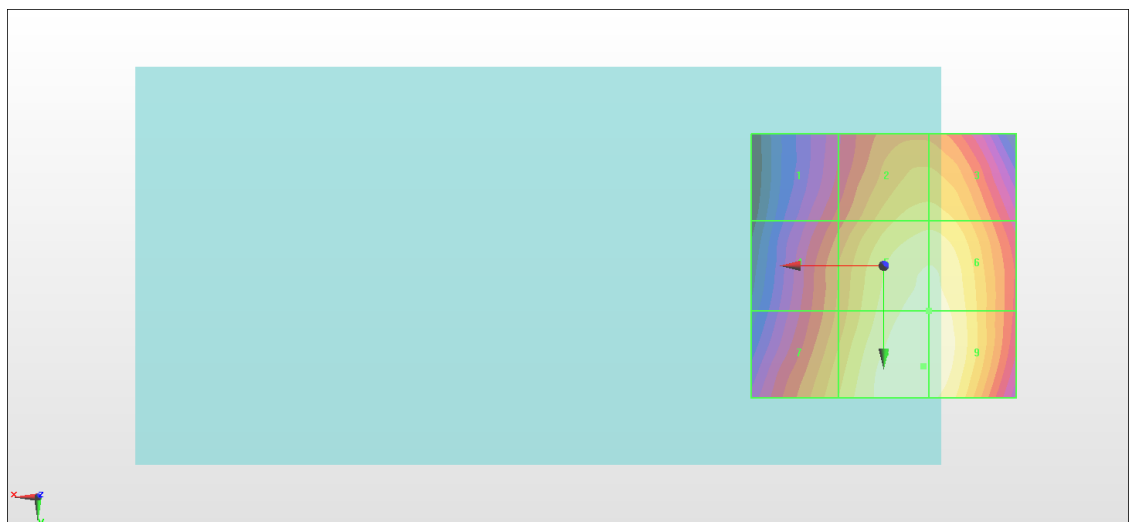
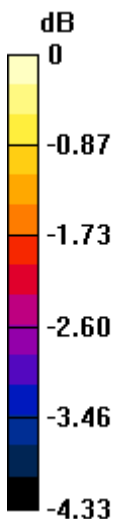
|  |  |  |
|--|--|--|
| Grid 1 <b>M4</b><br><b>34.31 dBV/m</b> | Grid 2 <b>M4</b><br><b>35.49 dBV/m</b> | Grid 3 <b>M4</b><br><b>35.49 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>34.81 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.03 dBV/m</b> | Grid 6 <b>M4</b><br><b>36.03 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.31 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.17 dBV/m</b> | Grid 9 <b>M4</b><br><b>36.16 dBV/m</b> |

**Cursor:**

Total = 36.17 dBV/m

E Category: M4

Location: -7.5, 19, 8.7 mm



0 dB = 64.31 V/m = 36.17 dBV/m

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

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 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 : 23.3 °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 = 56.73 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.46 dBV/m

**Emission category: M4**

MIF scaled E-field

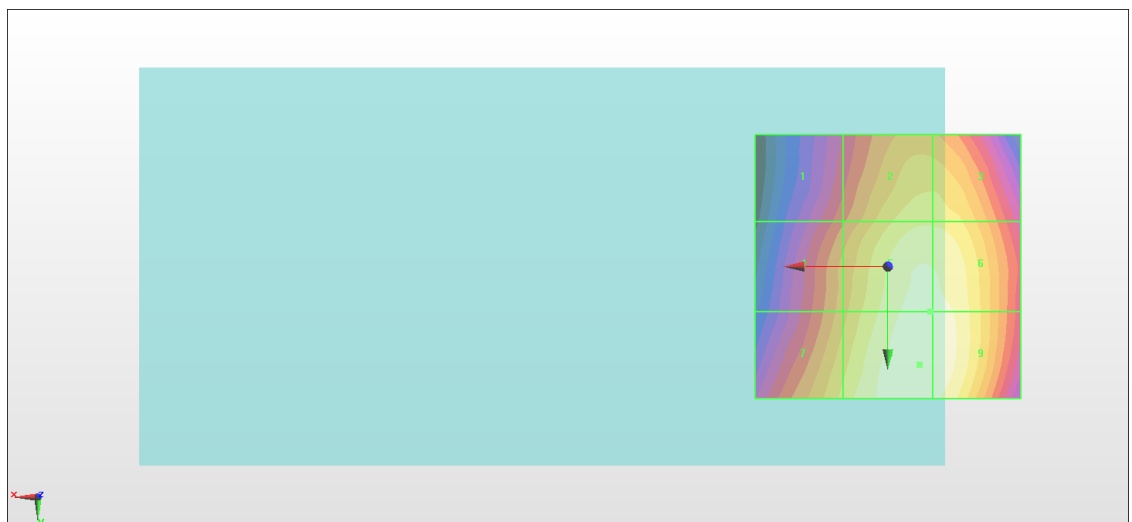
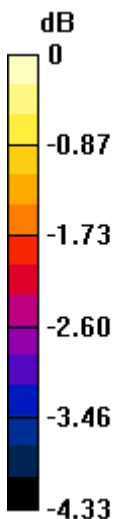
|  |  |  |
|--|--|--|
| Grid 1 <b>M4</b><br><b>35.69 dBV/m</b> | Grid 2 <b>M4</b><br><b>36.84 dBV/m</b> | Grid 3 <b>M4</b><br><b>36.83 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.2 dBV/m</b>  | Grid 5 <b>M4</b><br><b>37.34 dBV/m</b> | Grid 6 <b>M4</b><br><b>37.34 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>36.68 dBV/m</b> | Grid 8 <b>M4</b><br><b>37.46 dBV/m</b> | Grid 9 <b>M4</b><br><b>37.44 dBV/m</b> |

**Cursor:**

Total = 37.46 dBV/m

E Category: M4

Location: -6, 18.5, 8.7 mm



0 dB = 74.68 V/m = 37.46 dBV/m

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

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 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 : 23.3 °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 = 58.56 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.95 dBV/m

**Emission category: M4**

MIF scaled E-field

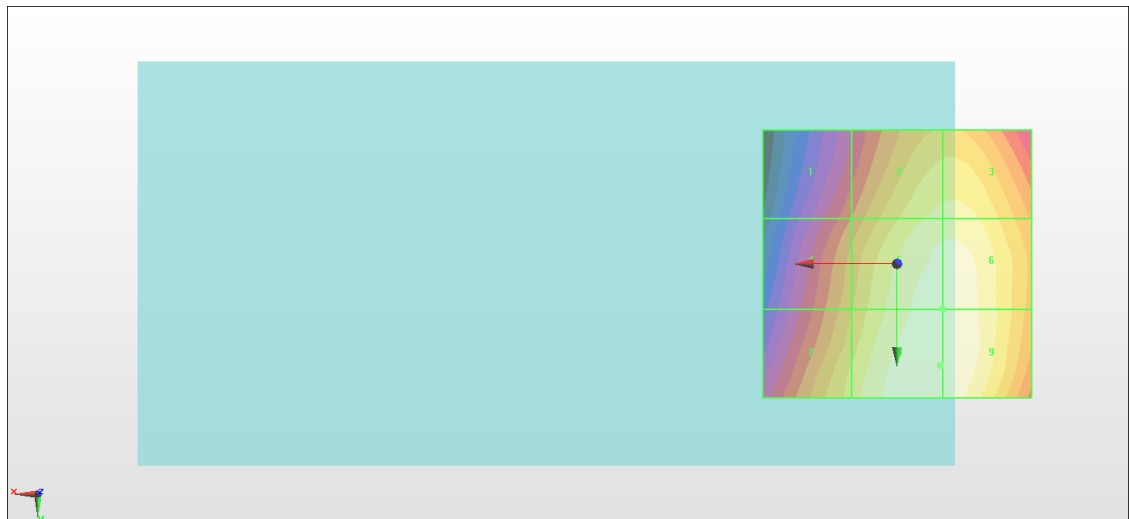
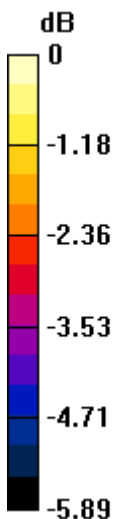
|  |  |  |
|--|--|--|
| Grid 1 <b>M4</b><br><b>35.61 dBV/m</b> | Grid 2 <b>M4</b><br><b>37.33 dBV/m</b> | Grid 3 <b>M4</b><br><b>37.34 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.35 dBV/m</b> | Grid 5 <b>M4</b><br><b>37.83 dBV/m</b> | Grid 6 <b>M4</b><br><b>37.84 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>36.96 dBV/m</b> | Grid 8 <b>M4</b><br><b>37.95 dBV/m</b> | Grid 9 <b>M4</b><br><b>37.95 dBV/m</b> |

**Cursor:**

Total = 37.95 dBV/m

E Category: M4

Location: -8, 19, 8.7 mm



0 dB = 79.00 V/m = 37.95 dBV/m

## #04\_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 : 23.3 °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 = 9.220 V/m; Power Drift = 0.16 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.14 dBV/m

**Emission category: M3**

MIF scaled E-field

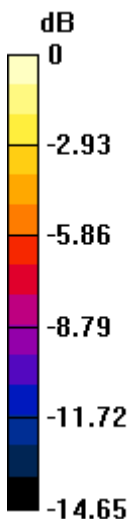
|  |  |  |
|--|--|--|
| Grid 1 <b>M3</b><br><b>30.29 dBV/m</b> | Grid 2 <b>M3</b><br><b>32.14 dBV/m</b> | Grid 3 <b>M3</b><br><b>32.06 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.27 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.71 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.72 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.61 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.63 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.45 dBV/m</b> |

**Cursor:**

Total = 32.14 dBV/m

E Category: M3

Location: -5.5, -25, 8.7 mm



0 dB = 40.46 V/m = 32.14 dBV/m

### #05\_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 : 23.3 °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 = 13.71 V/m; Power Drift = -0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.57 dBV/m

**Emission category: M3**

MIF scaled E-field

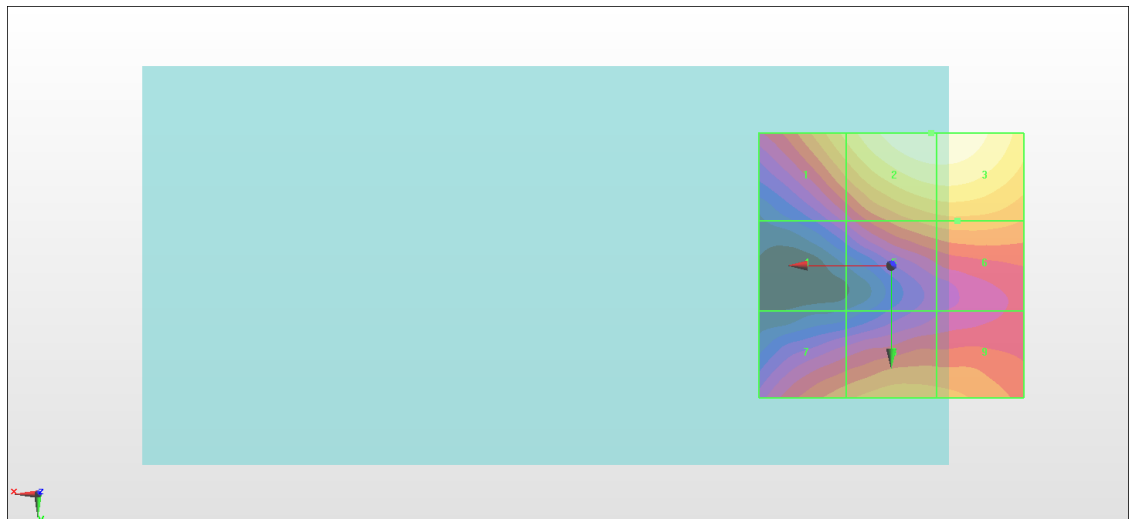
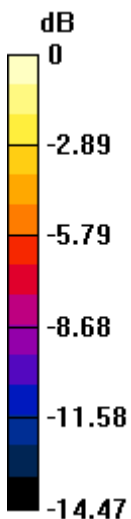
|  |  |  |
|--|--|--|
| Grid 1 <b>M3</b><br><b>30.02 dBV/m</b> | Grid 2 <b>M3</b><br><b>32.57 dBV/m</b> | Grid 3 <b>M3</b><br><b>32.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.25 dBV/m</b> | Grid 5 <b>M4</b><br><b>28.25 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.44 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.53 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.36 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.18 dBV/m</b> |

**Cursor:**

Total = 32.57 dBV/m

E Category: M3

Location: -7.5, -25, 8.7 mm



0 dB = 42.49 V/m = 32.57 dBV/m

## #06\_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 : 23.3 °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 = 13.83 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.33 dBV/m

**Emission category: M3**

MIF scaled E-field

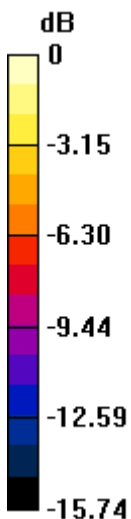
|  |  |  |
|--|--|--|
| Grid 1 <b>M3</b><br><b>31.11 dBV/m</b> | Grid 2 <b>M3</b><br><b>33.33 dBV/m</b> | Grid 3 <b>M3</b><br><b>33.31 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.27 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.52 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.59 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.78 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.38 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.21 dBV/m</b> |

**Cursor:**

Total = 33.33 dBV/m

E Category: M3

Location: -6.5, -25, 8.7 mm



0 dB = 46.41 V/m = 33.33 dBV/m