

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

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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)

**Ch128/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 = 55.90 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.88 dBV/m

**Emission category: M4**

MIF scaled E-field

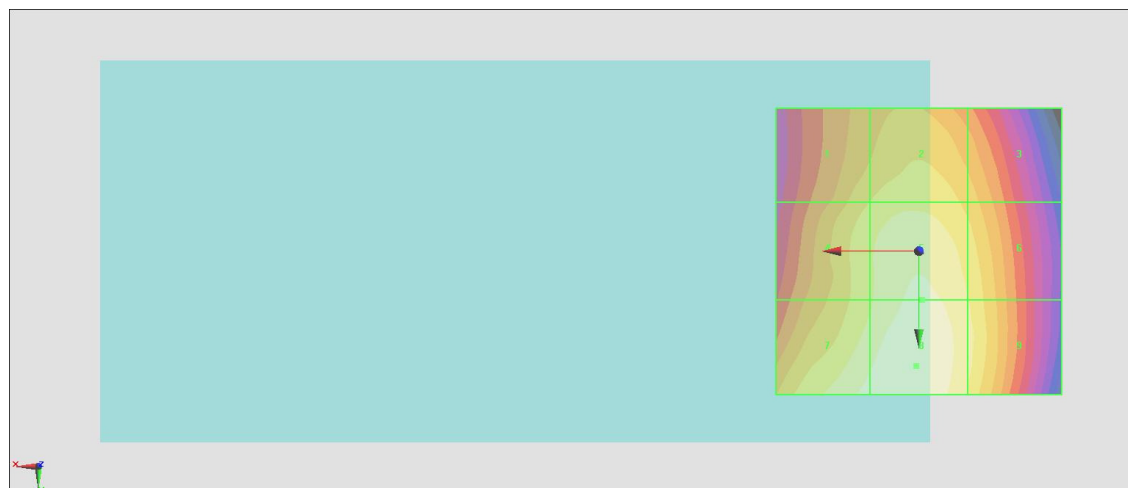
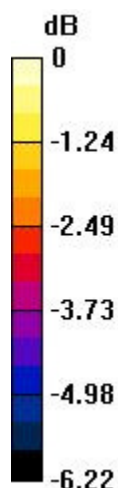
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>35.66 dBV/m</b> | Grid 2 <b>M4</b><br><b>35.96 dBV/m</b> | Grid 3 <b>M4</b><br><b>35.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.01 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.57 dBV/m</b> | Grid 6 <b>M4</b><br><b>36.07 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>36.6 dBV/m</b>  | Grid 8 <b>M4</b><br><b>36.88 dBV/m</b> | Grid 9 <b>M4</b><br><b>36.22 dBV/m</b> |

**Cursor:**

Total = 36.88 dBV/m

E Category: M4

Location: 0.5, 20, 8.7 mm



0 dB = 69.83 V/m = 36.88 dBV/m

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

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.6896

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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)

**Ch189/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 = 61.77 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.82 dBV/m

**Emission category: M4**

MIF scaled E-field

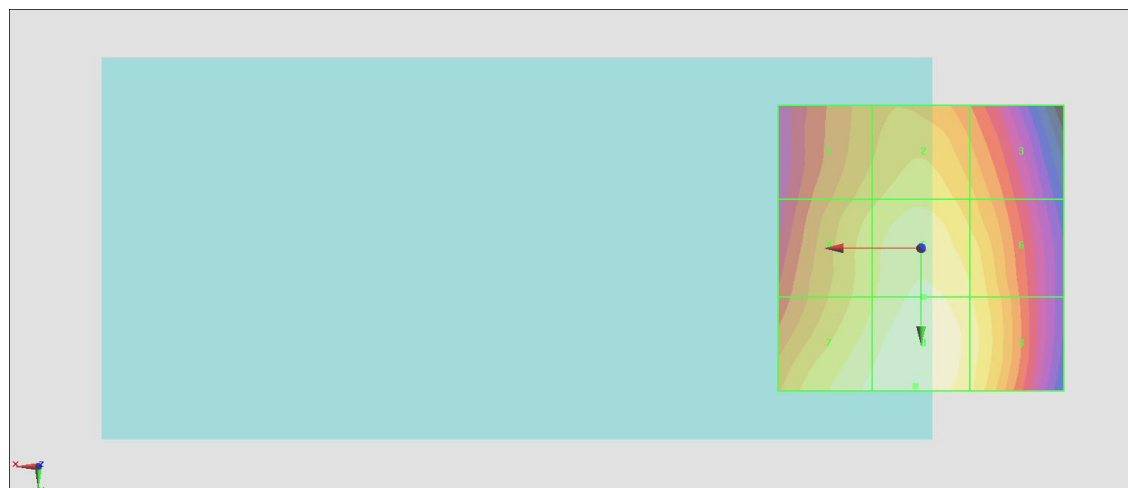
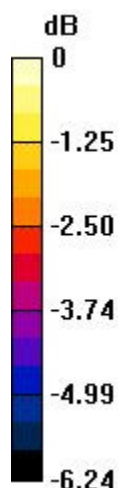
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>36.48 dBV/m</b> | Grid 2 <b>M4</b><br><b>36.91 dBV/m</b> | Grid 3 <b>M4</b><br><b>36.31 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.94 dBV/m</b> | Grid 5 <b>M4</b><br><b>37.49 dBV/m</b> | Grid 6 <b>M4</b><br><b>37.05 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>37.52 dBV/m</b> | Grid 8 <b>M4</b><br><b>37.82 dBV/m</b> | Grid 9 <b>M4</b><br><b>37.24 dBV/m</b> |

**Cursor:**

Total = 37.82 dBV/m

E Category: M4

Location: 1, 24, 8.7 mm



0 dB = 77.79 V/m = 37.82 dBV/m

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

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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)

**Ch251/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 = 58.15 V/m; Power Drift = -0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.16 dBV/m

**Emission category: M4**

MIF scaled E-field

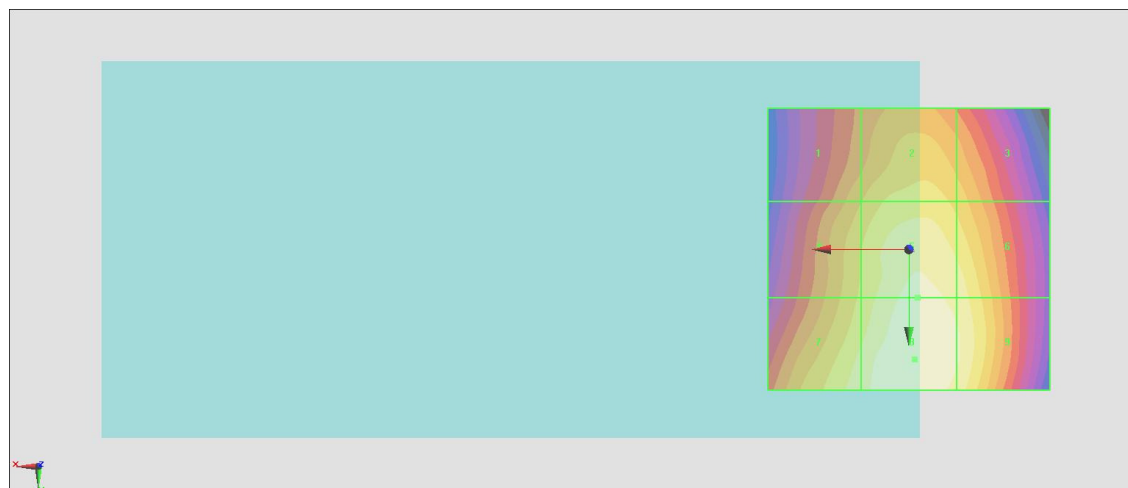
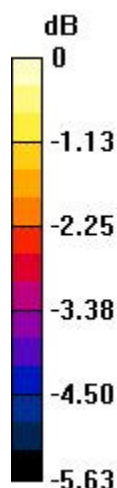
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>35.64 dBV/m</b> | Grid 2 <b>M4</b><br><b>36.23 dBV/m</b> | Grid 3 <b>M4</b><br><b>35.91 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.11 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.91 dBV/m</b> | Grid 6 <b>M4</b><br><b>36.65 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>36.64 dBV/m</b> | Grid 8 <b>M4</b><br><b>37.16 dBV/m</b> | Grid 9 <b>M4</b><br><b>36.83 dBV/m</b> |

**Cursor:**

Total = 37.16 dBV/m

E Category: M4

Location: -1, 19.5, 8.7 mm



0 dB = 72.07 V/m = 37.16 dBV/m

**#04\_HAC\_E\_GSM850\_GSM Voice\_Ch189**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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)

**Ch189/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 = 52.95 V/m; Power Drift = -0.10 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.33 dBV/m

**Emission category: M4**

MIF scaled E-field

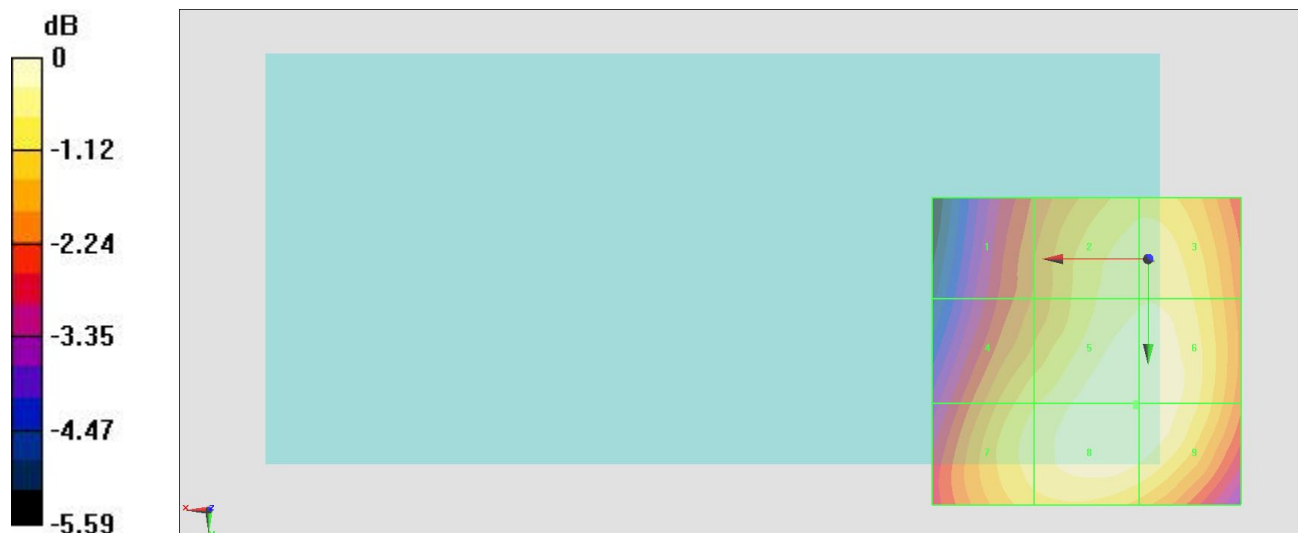
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>34.54 dBV/m</b> | Grid 2 <b>M4</b><br><b>35.92 dBV/m</b> | Grid 3 <b>M4</b><br><b>35.95 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>35.54 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.33 dBV/m</b> | Grid 6 <b>M4</b><br><b>36.33 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>35.8 dBV/m</b>  | Grid 8 <b>M4</b><br><b>36.33 dBV/m</b> | Grid 9 <b>M4</b><br><b>36.33 dBV/m</b> |

**Cursor:**

Total = 36.33 dBV/m

E Category: M4

Location: 2, 24, 8.7 mm



0 dB = 65.54 V/m = 36.33 dBV/m

**#05\_HAC\_E\_GSM1900\_GSM Voice\_Ch512**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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)

**Ch512/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 = 13.21 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.39 dBV/m

**Emission category: M4**

MIF scaled E-field

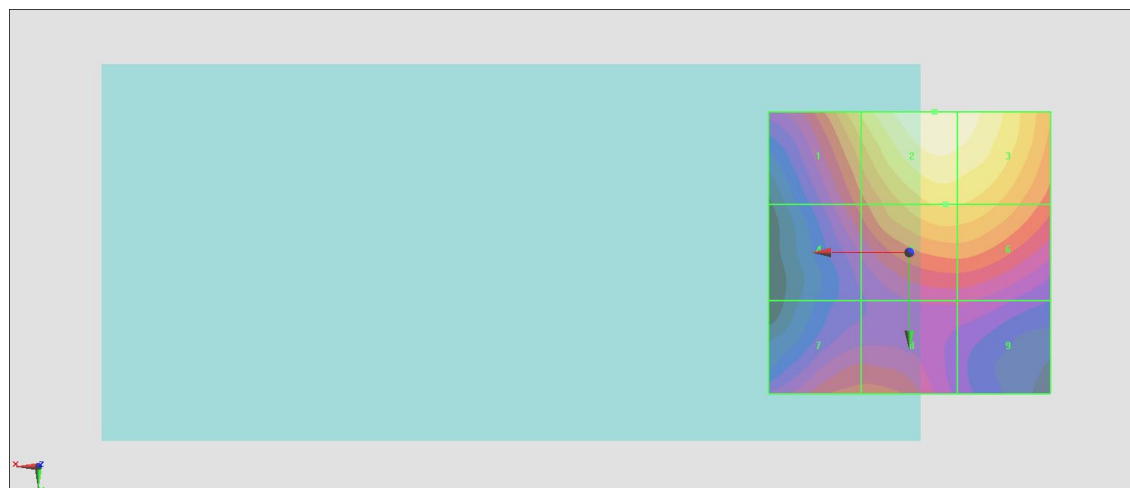
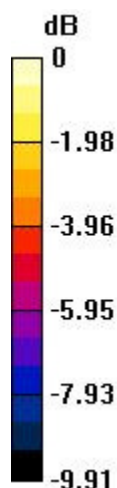
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.61 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.39 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.16 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.12 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.48 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.43 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.07 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.1 dBV/m</b>  | Grid 9 <b>M4</b><br><b>22.62 dBV/m</b> |

**Cursor:**

Total = 28.39 dBV/m

E Category: M4

Location: -4.5, -25, 8.7 mm



0 dB = 26.26 V/m = 28.39 dBV/m

**#06\_HAC\_E\_GSM1900\_GSM Voice\_Ch661**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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)

**Ch661/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 = 13.19 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.31 dBV/m

**Emission category: M4**

MIF scaled E-field

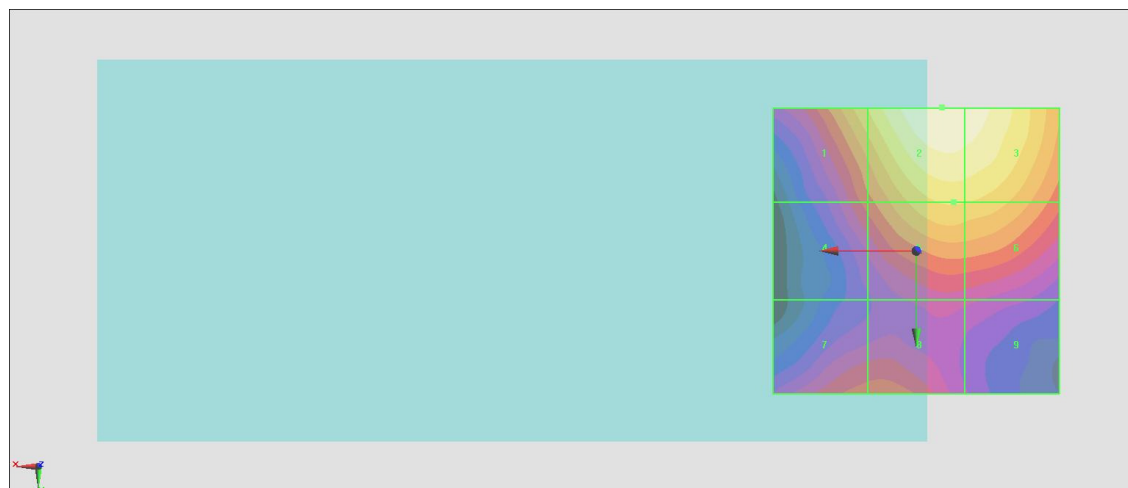
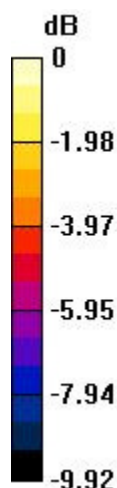
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.4 dBV/m</b>  | Grid 2 <b>M4</b><br><b>28.31 dBV/m</b> | Grid 3 <b>M4</b><br><b>28.13 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.05 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.41 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.35 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.05 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.15 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.61 dBV/m</b> |

**Cursor:**

Total = 28.31 dBV/m

E Category: M4

Location: -4.5, -25, 8.7 mm



0 dB = 26.03 V/m = 28.31 dBV/m

**#07\_HAC\_E\_GSM1900\_GSM Voice\_Ch810**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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)

**Ch810/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 = 13.29 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.30 dBV/m

**Emission category: M4**

MIF scaled E-field

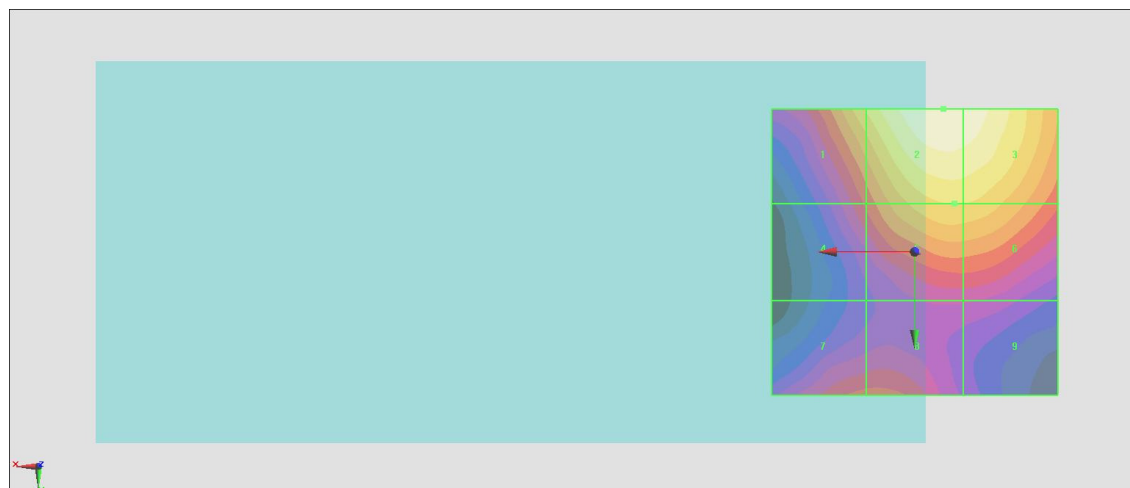
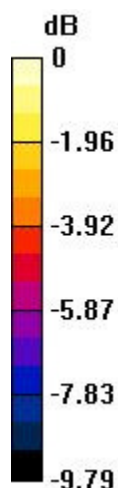
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.43 dBV/m</b> | Grid 2 <b>M4</b><br><b>28.3 dBV/m</b>  | Grid 3 <b>M4</b><br><b>28.13 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.9 dBV/m</b>  | Grid 5 <b>M4</b><br><b>26.38 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.36 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.01 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.05 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.55 dBV/m</b> |

**Cursor:**

Total = 28.30 dBV/m

E Category: M4

Location: -5, -25, 8.7 mm



0 dB = 25.99 V/m = 28.30 dBV/m

**#08\_HAC\_E\_GSM1900\_GSM Voice\_Ch512**

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

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

Ambient Temperature : 23.6 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2016/5/27
- 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)

**Ch512/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 = 17.11 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.79 dBV/m

**Emission category: M4**

MIF scaled E-field

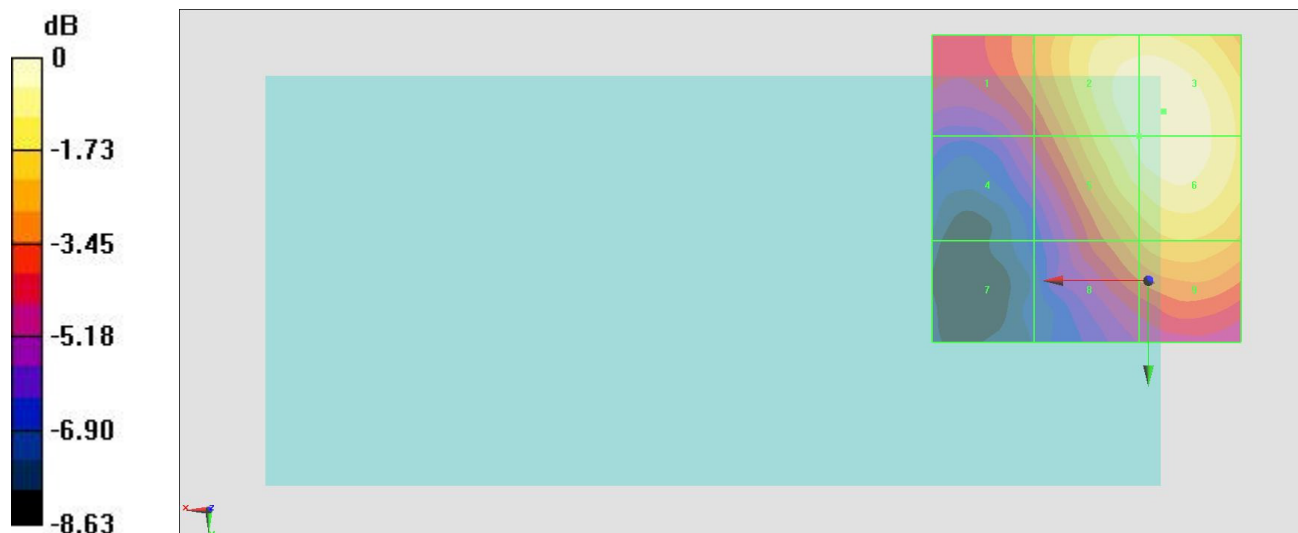
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.97 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.79 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.52 dBV/m</b> | Grid 5 <b>M4</b><br><b>29.44 dBV/m</b> | Grid 6 <b>M4</b><br><b>29.73 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.16 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.49 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.07 dBV/m</b> |

**Cursor:**

Total = 29.79 dBV/m

E Category: M4

Location: -2.5, -27.5, 8.7 mm



0 dB = 30.88 V/m = 29.79 dBV/m