

**#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 : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2016/2/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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 = 43.73 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.84 dBV/m

**Emission category: M4**

MIF scaled E-field

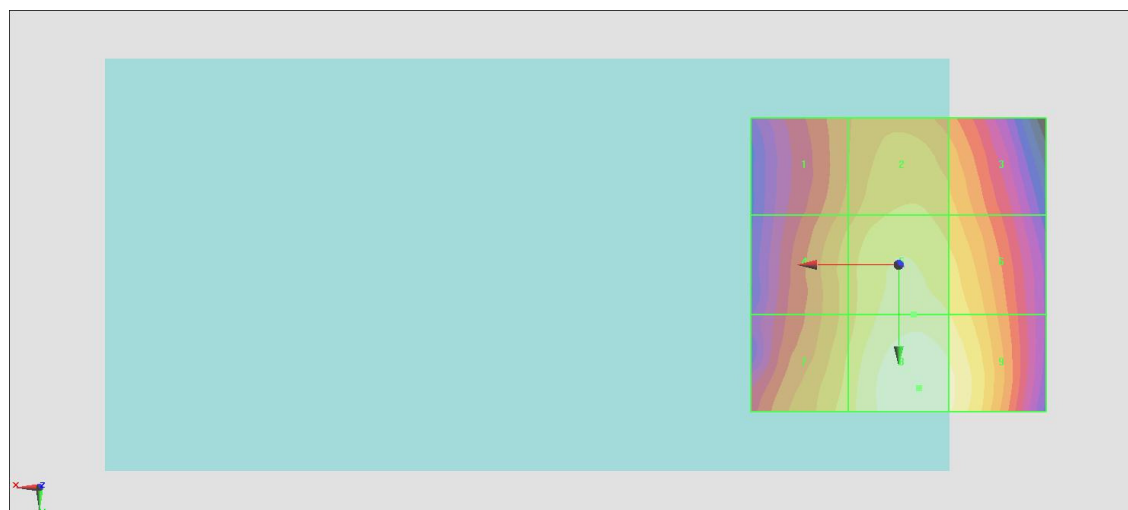
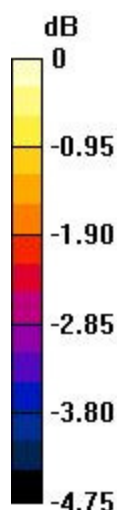
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>33.45 dBV/m</b> | Grid 2 <b>M4</b><br><b>33.96 dBV/m</b> | Grid 3 <b>M4</b><br><b>33.72 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.78 dBV/m</b> | Grid 5 <b>M4</b><br><b>34.42 dBV/m</b> | Grid 6 <b>M4</b><br><b>34.22 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>34.1 dBV/m</b>  | Grid 8 <b>M4</b><br><b>34.84 dBV/m</b> | Grid 9 <b>M4</b><br><b>34.62 dBV/m</b> |

**Cursor:**

Total = 34.84 dBV/m

E Category: M4

Location: -3.5, 21, 8.7 mm



0 dB = 55.24 V/m = 34.85 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 : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2016/2/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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 = 43.81 V/m; Power Drift = -0.16 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.82 dBV/m

**Emission category: M4**

MIF scaled E-field

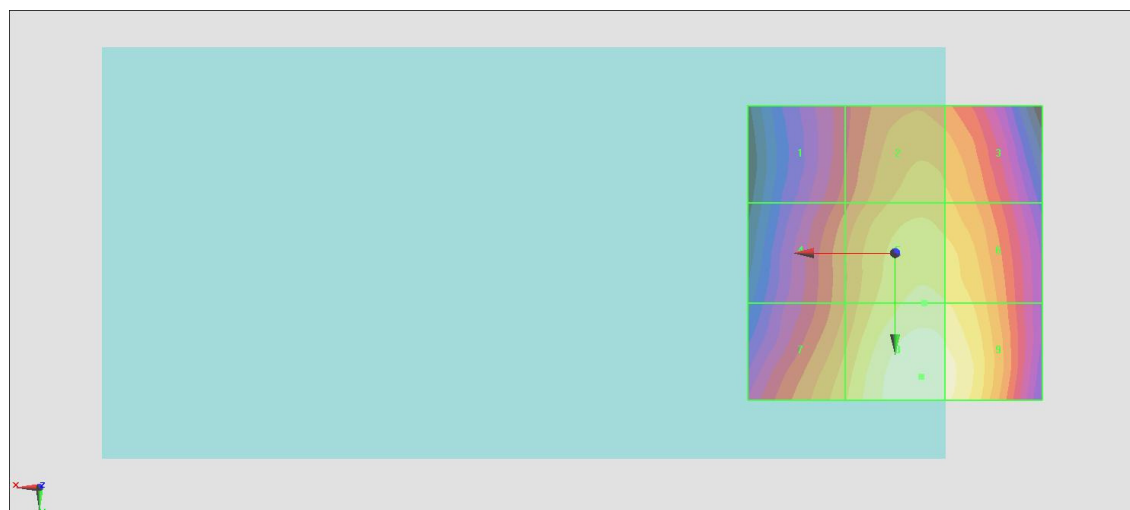
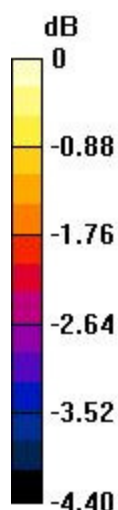
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>32.96 dBV/m</b> | Grid 2 <b>M4</b><br><b>33.82 dBV/m</b> | Grid 3 <b>M4</b><br><b>33.73 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>33.35 dBV/m</b> | Grid 5 <b>M4</b><br><b>34.31 dBV/m</b> | Grid 6 <b>M4</b><br><b>34.25 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.9 dBV/m</b>  | Grid 8 <b>M4</b><br><b>34.82 dBV/m</b> | Grid 9 <b>M4</b><br><b>34.68 dBV/m</b> |

**Cursor:**

Total = 34.82 dBV/m

E Category: M4

Location: -4.5, 21, 8.7 mm



0 dB = 55.05 V/m = 34.82 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 : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2016/2/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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 = 39.14 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.50 dBV/m

**Emission category: M4**

MIF scaled E-field

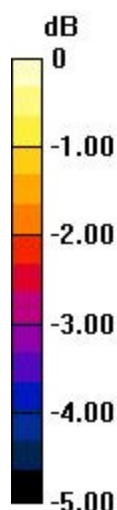
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>32.24 dBV/m</b> | Grid 2 <b>M4</b><br><b>33.54 dBV/m</b> | Grid 3 <b>M4</b><br><b>33.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>32.71 dBV/m</b> | Grid 5 <b>M4</b><br><b>34.07 dBV/m</b> | Grid 6 <b>M4</b><br><b>34.05 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>33.28 dBV/m</b> | Grid 8 <b>M4</b><br><b>34.5 dBV/m</b>  | Grid 9 <b>M4</b><br><b>34.44 dBV/m</b> |

**Cursor:**

Total = 34.50 dBV/m

E Category: M4

Location: -5.5, 21, 8.7 mm



0 dB = 53.09 V/m = 34.50 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 : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2016/2/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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 = 5.629 V/m; Power Drift = 0.10 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.33 dBV/m

**Emission category: M4**

MIF scaled E-field

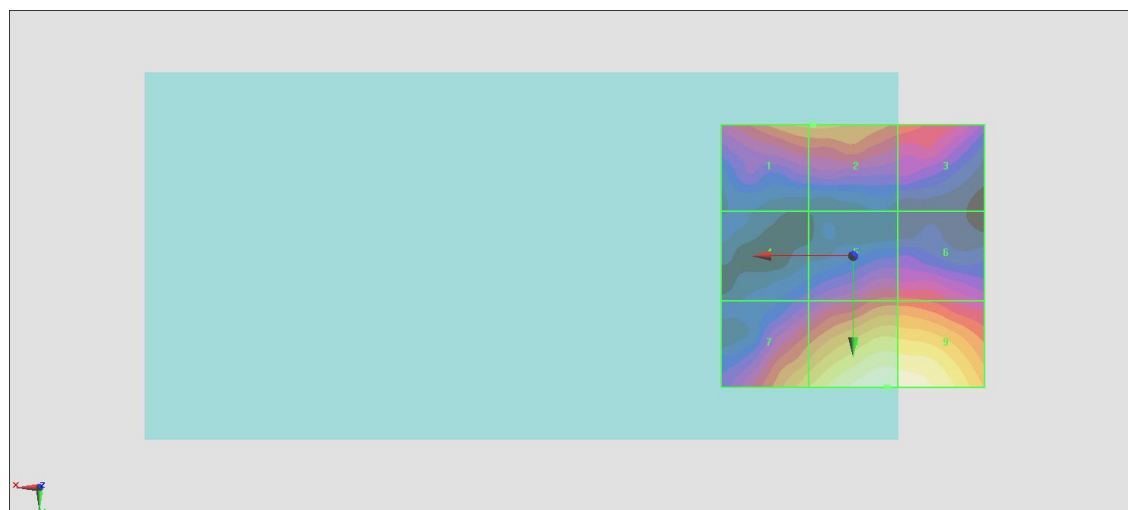
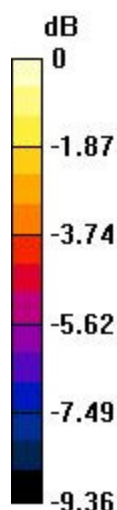
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.44 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.44 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.53 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.99 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.25 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.23 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.43 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.33 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.29 dBV/m</b> |

**Cursor:**

Total = 25.33 dBV/m

E Category: M4

Location: -6.5, 25, 8.7 mm



0 dB = 18.48 V/m = 25.33 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 : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2016/2/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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 = 5.250 V/m; Power Drift = -0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 23.15 dBV/m

**Emission category: M4**

MIF scaled E-field

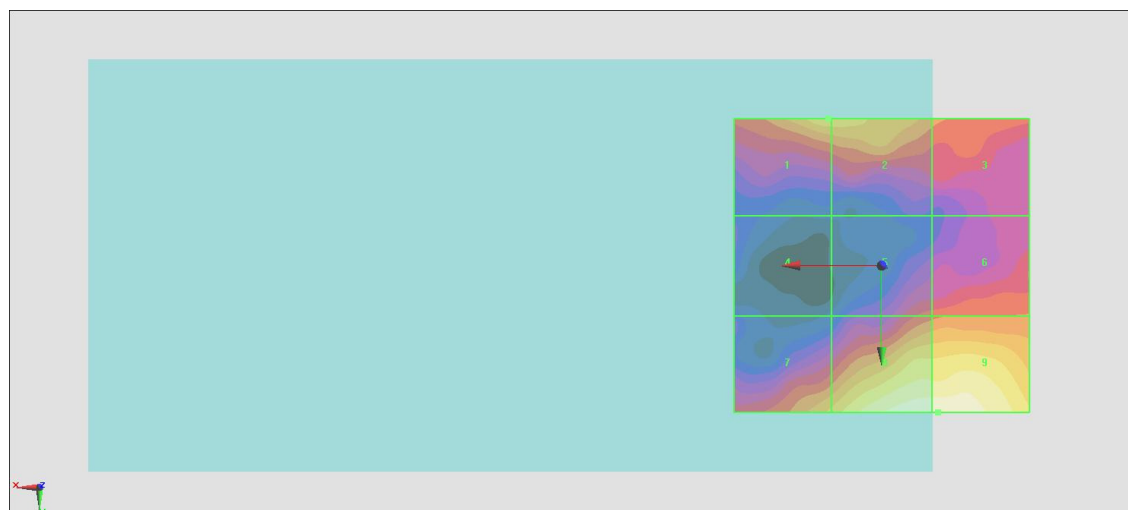
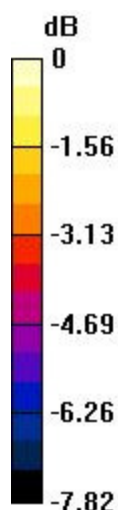
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.61 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.6 dBV/m</b>  | Grid 3 <b>M4</b><br><b>20.23 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.62 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.81 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.09 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.27 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.13 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.15 dBV/m</b> |

**Cursor:**

Total = 23.15 dBV/m

E Category: M4

Location: -9.5, 25, 8.7 mm



0 dB = 14.37 V/m = 23.15 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 : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn778; Calibrated: 2016/2/18
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**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 = 5.262 V/m; Power Drift = 0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 22.33 dBV/m

**Emission category: M4**

MIF scaled E-field

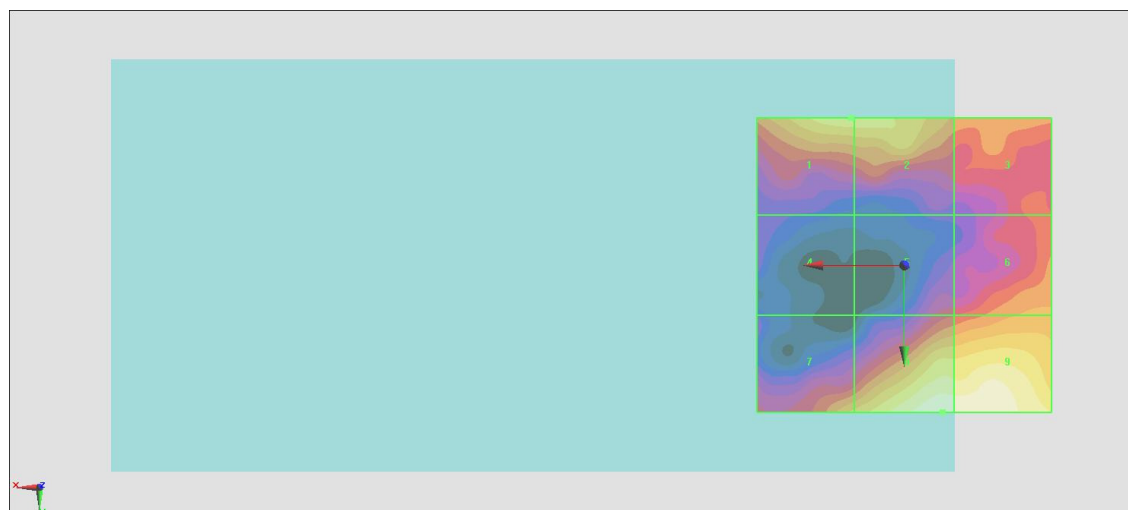
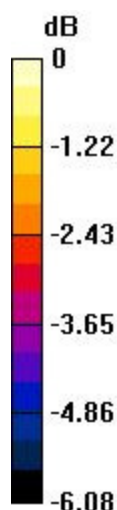
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.51 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.5 dBV/m</b>  | Grid 3 <b>M4</b><br><b>20.25 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.33 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.48 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.46 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.87 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.33 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.31 dBV/m</b> |

**Cursor:**

Total = 22.33 dBV/m

E Category: M4

Location: -6.5, 25, 8.7 mm



0 dB = 13.07 V/m = 22.33 dBV/m

**#07\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch39750**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2506 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch39750/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 = 11.39 V/m; Power Drift = -0.03 dB

Applied MIF = -1.62 dB

RF audio interference level = 24.96 dBV/m

**Emission category: M4**

MIF scaled E-field

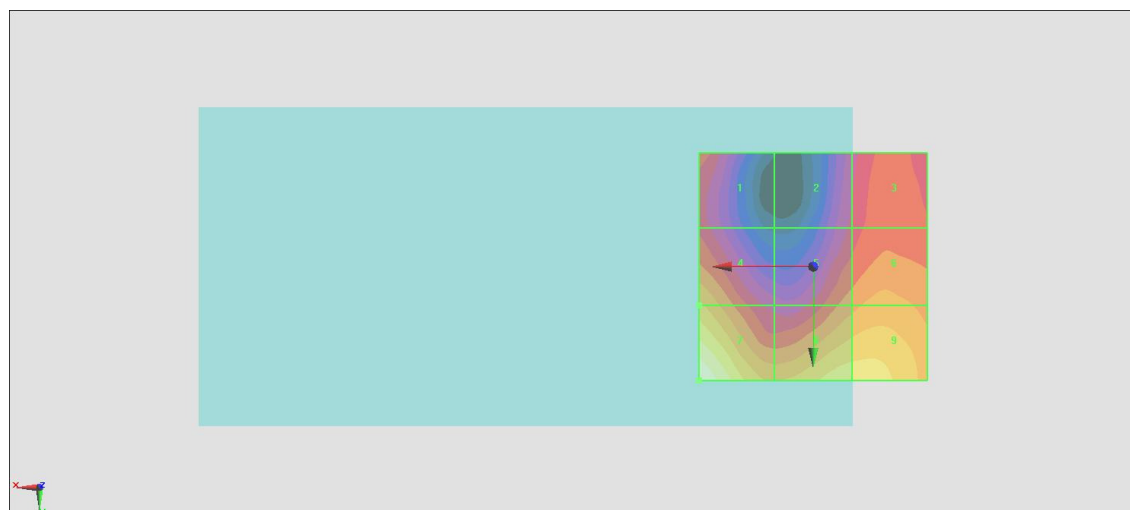
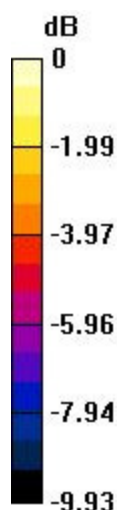
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.82 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.9 dBV/m</b>  | Grid 3 <b>M4</b><br><b>20.83 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.5 dBV/m</b>  | Grid 5 <b>M4</b><br><b>21.44 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.93 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.96 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.56 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.57 dBV/m</b> |

**Cursor:**

Total = 24.96 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 17.69 V/m = 24.95 dBV/m

**#08\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_49\_Ch40185**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch40185/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 = 11.97 V/m; Power Drift = -0.08 dB

Applied MIF = -1.62 dB

RF audio interference level = 26.01 dBV/m

**Emission category: M4**

MIF scaled E-field

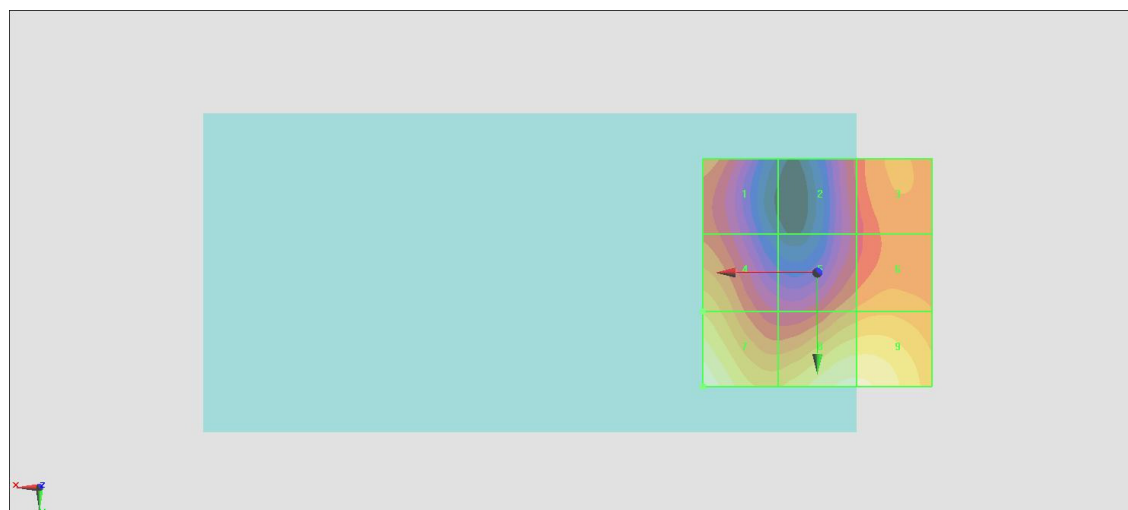
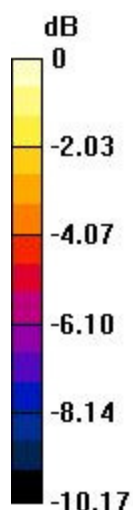
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.64 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.43 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.75 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.93 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.83 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.21 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.01 dBV/m</b> | Grid 8 <b>M4</b><br><b>25.51 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.51 dBV/m</b> |

**Cursor:**

Total = 26.01 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 19.98 V/m = 26.01 dBV/m

**#09\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_49\_Ch40620**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2593 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch40620/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 = 10.53 V/m; Power Drift = -0.19 dB

Applied MIF = -1.62 dB

RF audio interference level = 25.05 dBV/m

**Emission category: M4**

MIF scaled E-field

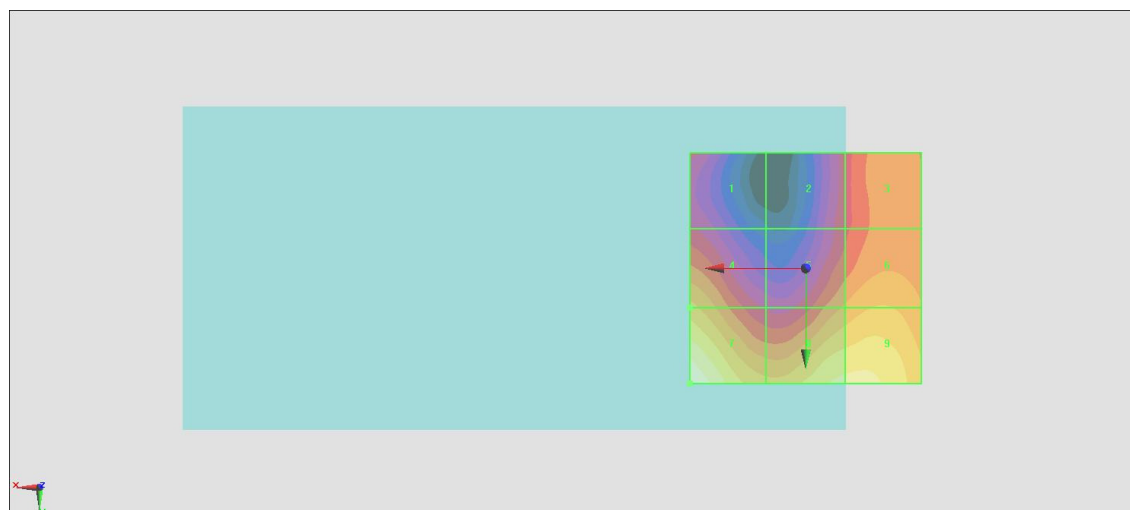
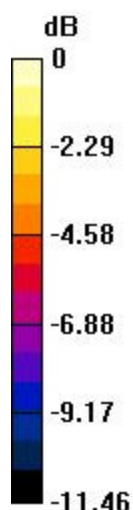
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.31 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.51 dBV/m</b> | Grid 3 <b>M4</b><br><b>21 dBV/m</b>    |
| Grid 4 <b>M4</b><br><b>22.28 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.38 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.06 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.05 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.71 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.73 dBV/m</b> |

**Cursor:**

Total = 25.05 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 17.88 V/m = 25.05 dBV/m

**#10\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_49\_Ch41055**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2636.5 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch41055/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 = 8.927 V/m; Power Drift = -0.10 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.84 dBV/m

**Emission category: M4**

MIF scaled E-field

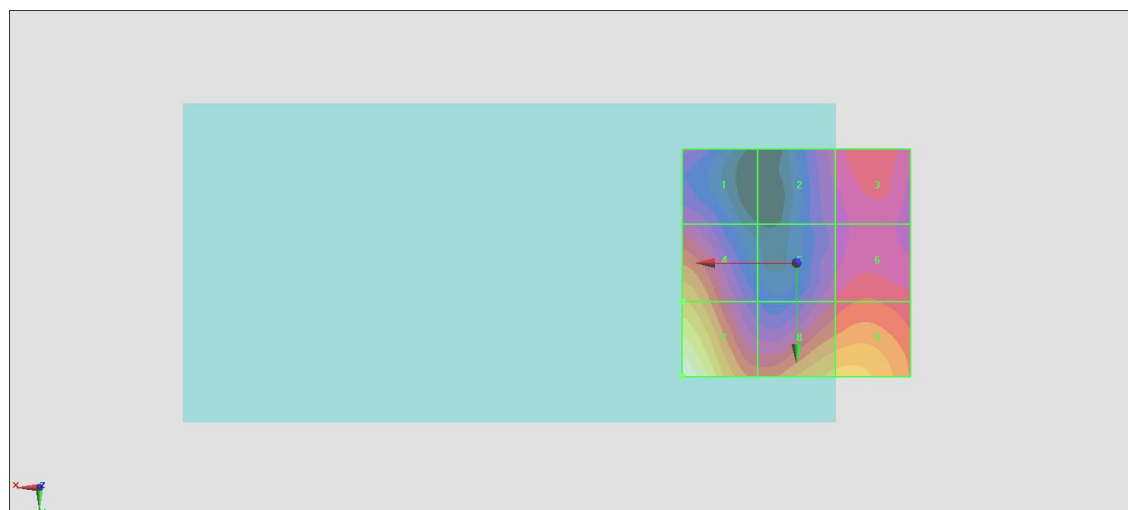
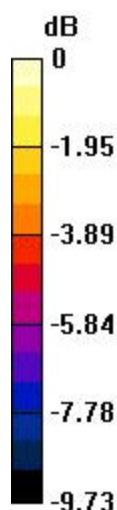
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.13 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.32 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.29 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.4 dBV/m</b>  | Grid 5 <b>M4</b><br><b>18.79 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.41 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.84 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.51 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.57 dBV/m</b> |

**Cursor:**

Total = 23.84 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 15.56 V/m = 23.84 dBV/m

**#11\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch41490**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2680 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch41490/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 = 7.562 V/m; Power Drift = -0.01 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.92 dBV/m

**Emission category: M4**

MIF scaled E-field

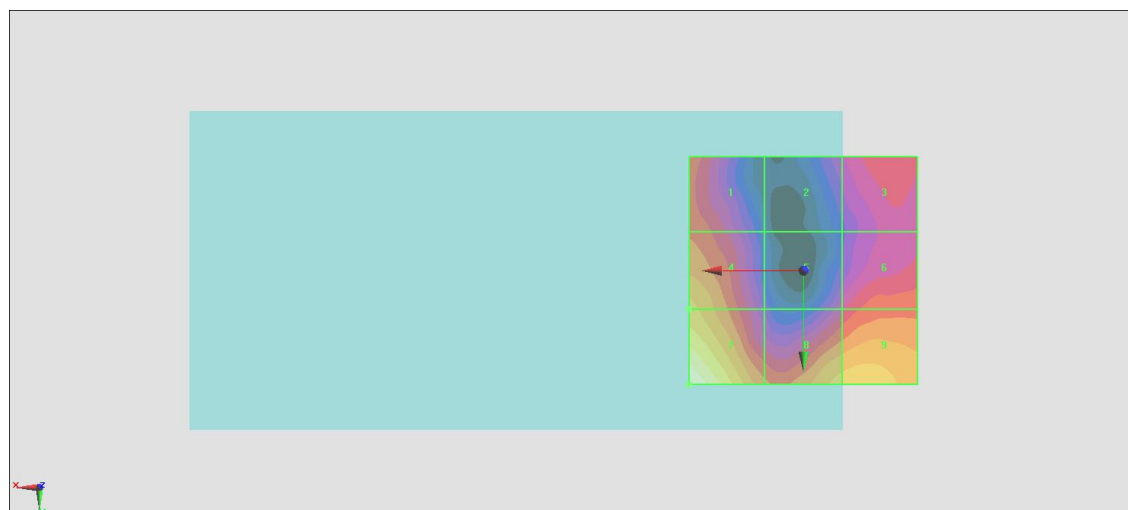
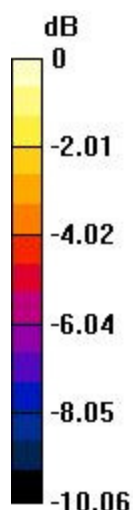
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.82 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.83 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.22 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.51 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.43 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.71 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.92 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.54 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.68 dBV/m</b> |

**Cursor:**

Total = 22.92 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 14.00 V/m = 22.92 dBV/m

**#12\_HAC\_E\_LTE Band 41\_20M\_16QAM\_1\_49\_Ch39750**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2506 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch39750/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 = 10.18 V/m; Power Drift = 0.01 dB

Applied MIF = -1.44 dB

RF audio interference level = 24.33 dBV/m

**Emission category: M4**

MIF scaled E-field

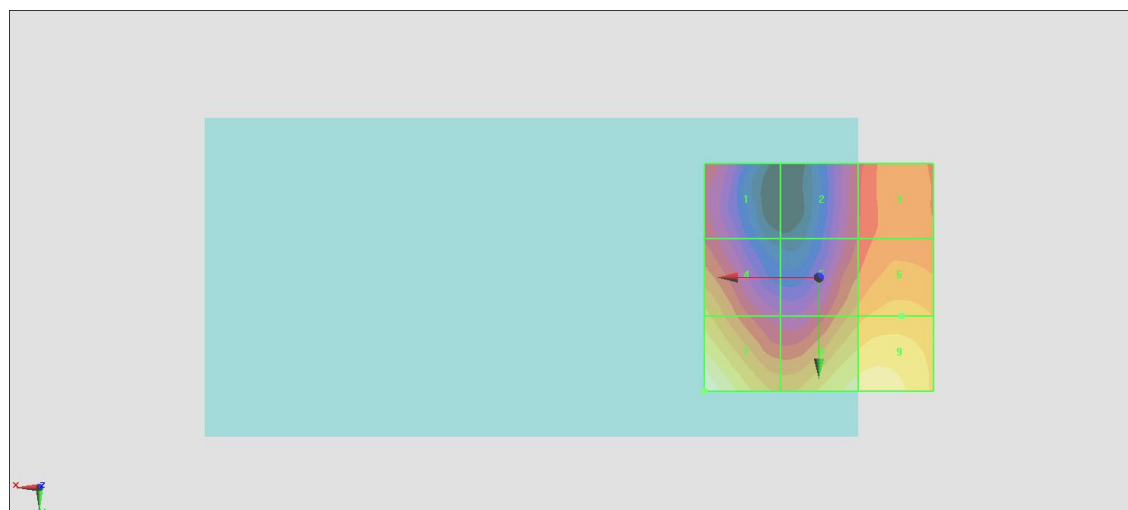
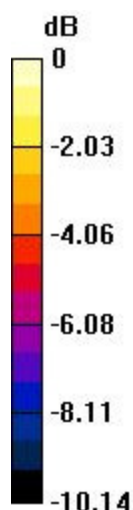
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.6 dBV/m</b>  | Grid 2 <b>M4</b><br><b>19.65 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.85 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.89 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.34 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.94 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.33 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.25 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.33 dBV/m</b> |

**Cursor:**

Total = 24.33 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 16.46 V/m = 24.33 dBV/m

**#13\_HAC\_E\_LTE Band 41\_20M\_16QAM\_1\_49\_Ch40185**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2549.5 MHz;  
Duty Cycle: 1:1.59

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch40185/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 = 10.47 V/m; Power Drift = -0.00 dB

Applied MIF = -1.44 dB

RF audio interference level = 24.63 dBV/m

**Emission category: M4**

MIF scaled E-field

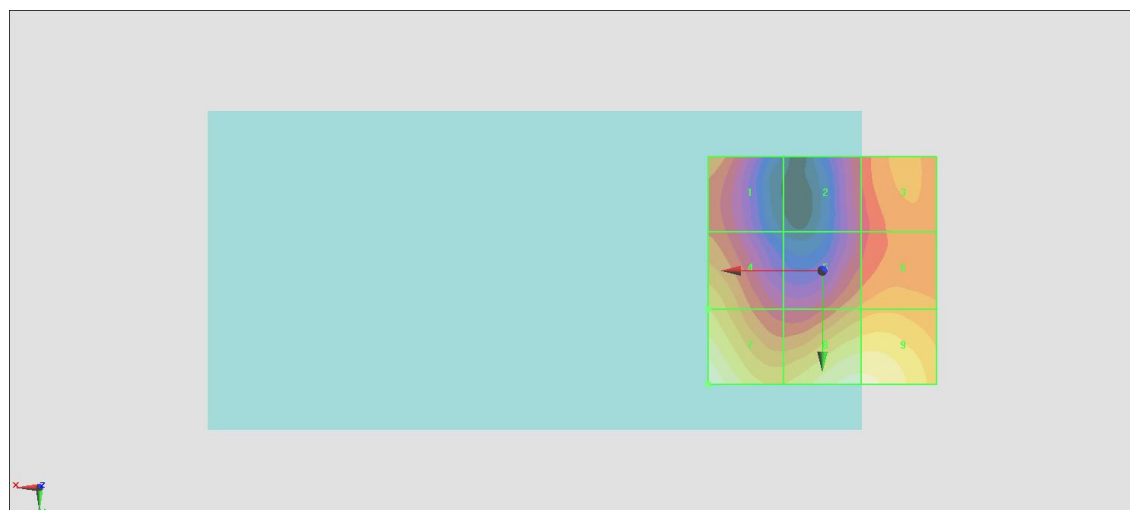
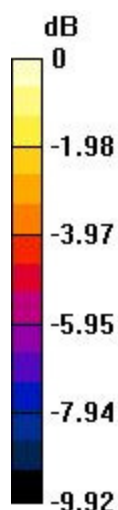
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.41 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.11 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.71 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.56 dBV/m</b> | Grid 6 <b>M4</b><br><b>21.89 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>24.63 dBV/m</b> | Grid 8 <b>M4</b><br><b>24.21 dBV/m</b> | Grid 9 <b>M4</b><br><b>24.19 dBV/m</b> |

**Cursor:**

Total = 24.63 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 17.04 V/m = 24.63 dBV/m

**#14\_HAC\_E\_LTE Band 41\_20M\_16QAM\_1\_49\_Ch40620**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2593 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch40620/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 = 9.046 V/m; Power Drift = -0.01 dB

Applied MIF = -1.44 dB

RF audio interference level = 23.44 dBV/m

**Emission category: M4**

MIF scaled E-field

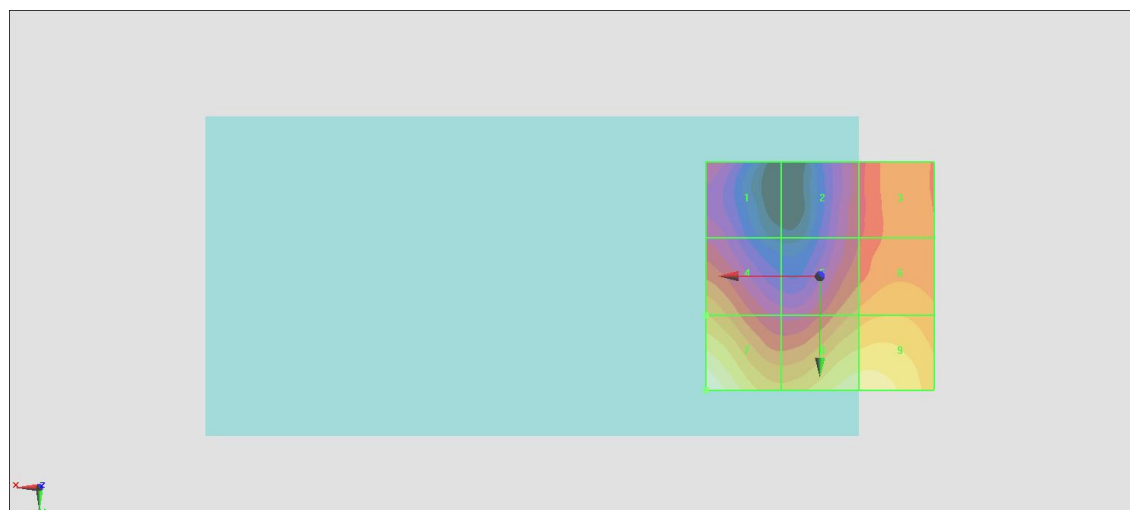
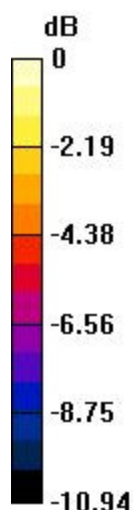
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.83 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.24 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.49 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.6 dBV/m</b>  | Grid 5 <b>M4</b><br><b>20.08 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.53 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.44 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.37 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.37 dBV/m</b> |

**Cursor:**

Total = 23.44 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 14.86 V/m = 23.44 dBV/m

**#15\_HAC\_E\_LTE Band 41\_20M\_16QAM\_1\_49\_Ch41055**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2636.5 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch41055/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 = 8.058 V/m; Power Drift = -0.15 dB

Applied MIF = -1.44 dB

RF audio interference level = 22.46 dBV/m

**Emission category: M4**

MIF scaled E-field

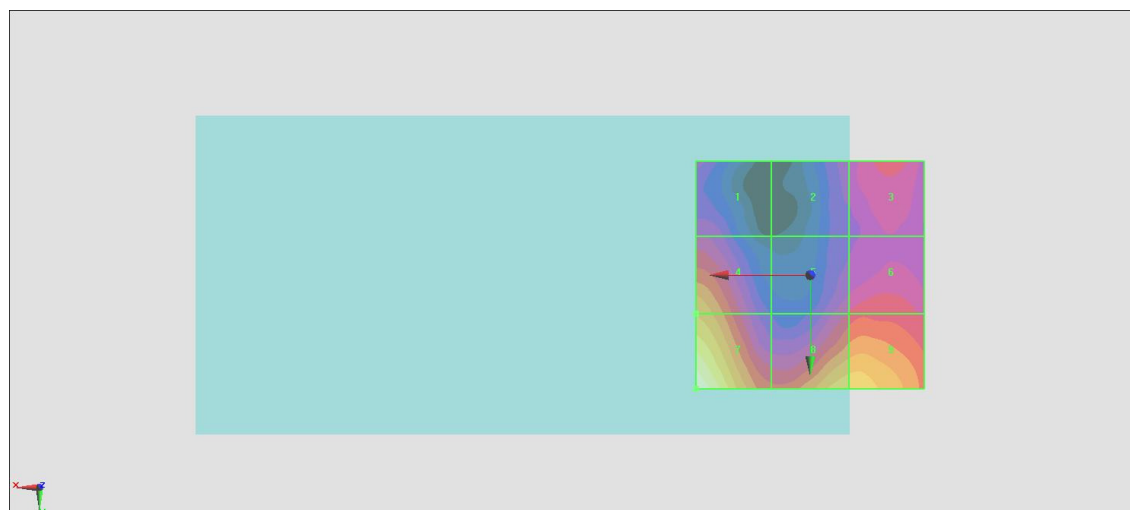
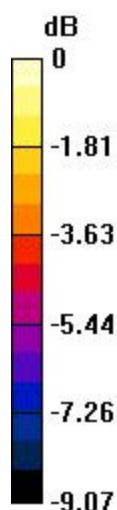
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.07 dBV/m</b> | Grid 2 <b>M4</b><br><b>16.79 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20 dBV/m</b>    | Grid 5 <b>M4</b><br><b>17.78 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.12 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.46 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.52 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.53 dBV/m</b> |

**Cursor:**

Total = 22.46 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 13.27 V/m = 22.46 dBV/m

**#16\_HAC\_E\_LTE Band 41\_20M\_16QAM\_1\_49\_Ch41490**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, 16-QAM); Frequency: 2680 MHz; Duty Cycle: 1:1.59

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

Ambient Temperature : 23.5 °C

**DASY5 Configuration**

- Probe: ER3DV6 - SN2358; ConvF(1, 1, 1); Calibrated: 2016/1/19;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2015/5/22
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**Ch41490/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 = 7.223 V/m; Power Drift = -0.14 dB

Applied MIF = -1.44 dB

RF audio interference level = 21.39 dBV/m

**Emission category: M4**

MIF scaled E-field

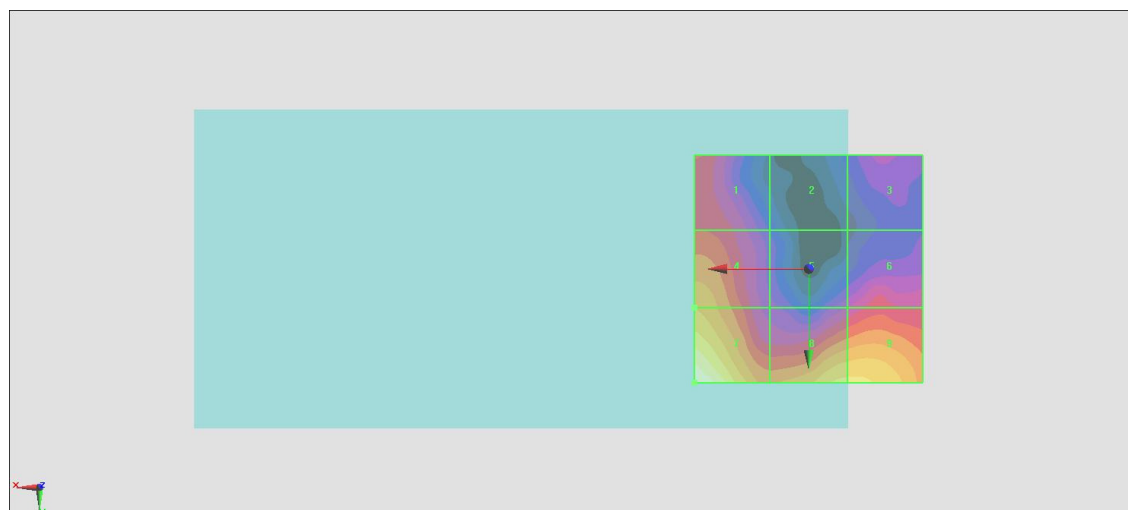
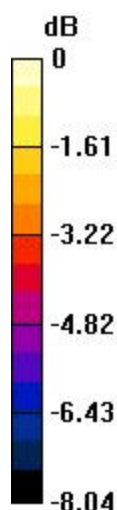
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.75 dBV/m</b> | Grid 2 <b>M4</b><br><b>15.42 dBV/m</b> | Grid 3 <b>M4</b><br><b>16.22 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>19.23 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.59 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.41 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.39 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.93 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.92 dBV/m</b> |

**Cursor:**

Total = 21.39 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 11.73 V/m = 21.39 dBV/m