

**#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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 57.67 V/m; Power Drift = 0.16 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.90 dBV/m

**Emission category: M4**

MIF scaled E-field

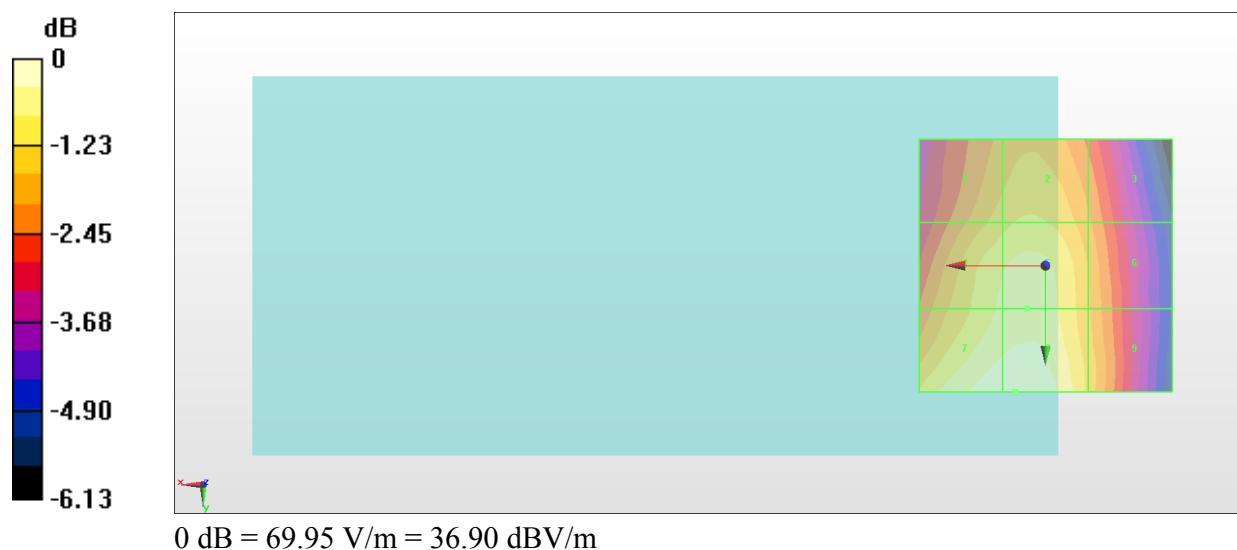
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>35.52 dBV/m</b> | Grid 2 <b>M4</b><br><b>35.76 dBV/m</b> | Grid 3 <b>M4</b><br><b>34.94 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.16 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.33 dBV/m</b> | Grid 6 <b>M4</b><br><b>35.32 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>36.86 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.9 dBV/m</b>  | Grid 9 <b>M4</b><br><b>35.56 dBV/m</b> |

**Cursor:**

Total = 36.90 dBV/m

E Category: M4

Location: 6, 25, 8.7 mm



**#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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.4 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 57.32 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.95 dBV/m

**Emission category: M4**

MIF scaled E-field

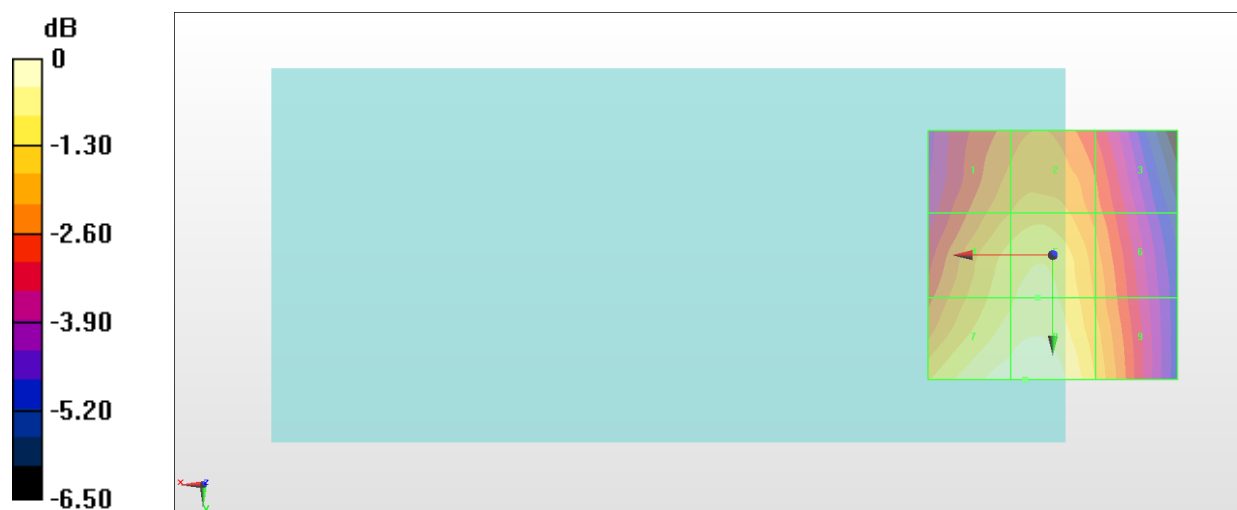
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>35.23 dBV/m</b> | Grid 2 <b>M4</b><br><b>35.51 dBV/m</b> | Grid 3 <b>M4</b><br><b>34.6 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>36.01 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.25 dBV/m</b> | Grid 6 <b>M4</b><br><b>35.16 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>36.86 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.95 dBV/m</b> | Grid 9 <b>M4</b><br><b>35.65 dBV/m</b> |

**Cursor:**

Total = 36.95 dBV/m

E Category: M4

Location: 5.5, 25, 8.7 mm



**#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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 55.38 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.35 dBV/m

**Emission category: M4**

MIF scaled E-field

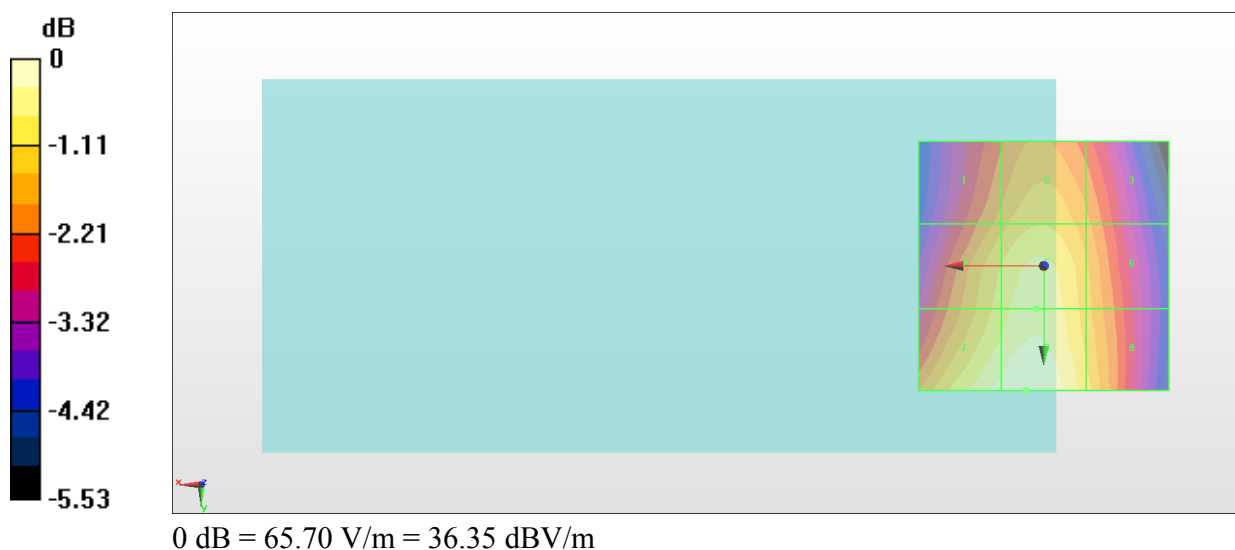
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>34.72 dBV/m</b> | Grid 2 <b>M4</b><br><b>35.24 dBV/m</b> | Grid 3 <b>M4</b><br><b>34.63 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>35.45 dBV/m</b> | Grid 5 <b>M4</b><br><b>35.84 dBV/m</b> | Grid 6 <b>M4</b><br><b>35.04 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>36.13 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.35 dBV/m</b> | Grid 9 <b>M4</b><br><b>35.43 dBV/m</b> |

**Cursor:**

Total = 36.35 dBV/m

E Category: M4

Location: 3.5, 25, 8.7 mm



**#04\_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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 8.029 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.00 dBV/m

**Emission category: M4**

MIF scaled E-field

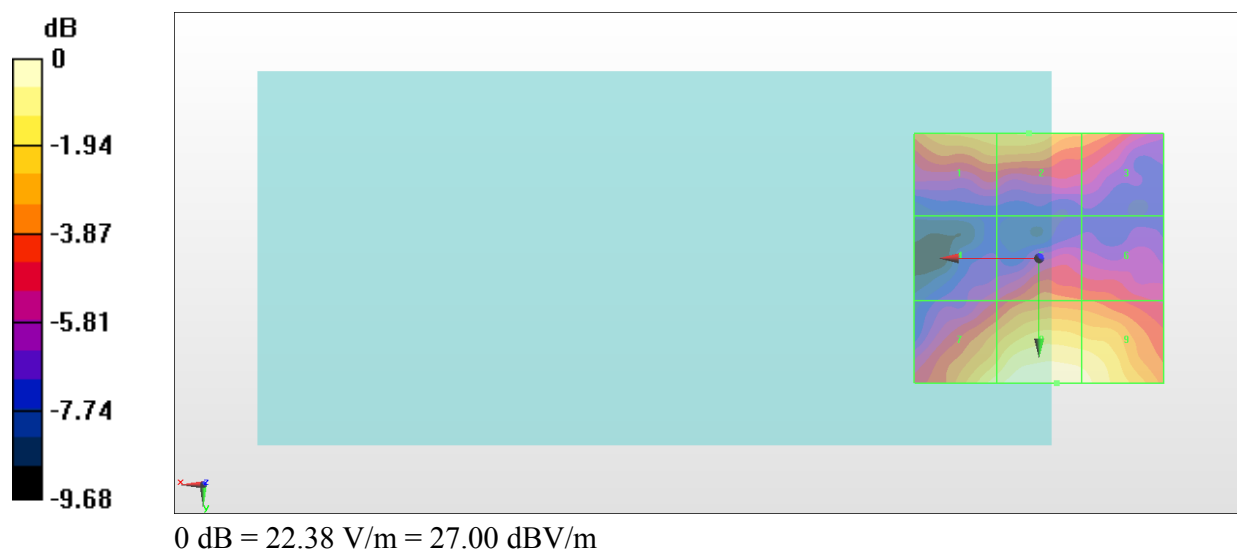
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.89 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.16 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.94 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.85 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.48 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.22 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.13 dBV/m</b> | Grid 8 <b>M4</b><br><b>27 dBV/m</b>    | Grid 9 <b>M4</b><br><b>26.64 dBV/m</b> |

**Cursor:**

Total = 27.00 dBV/m

E Category: M4

Location: -3.5, 25, 8.7 mm



**#05\_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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 6.884 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.21 dBV/m

**Emission category: M4**

MIF scaled E-field

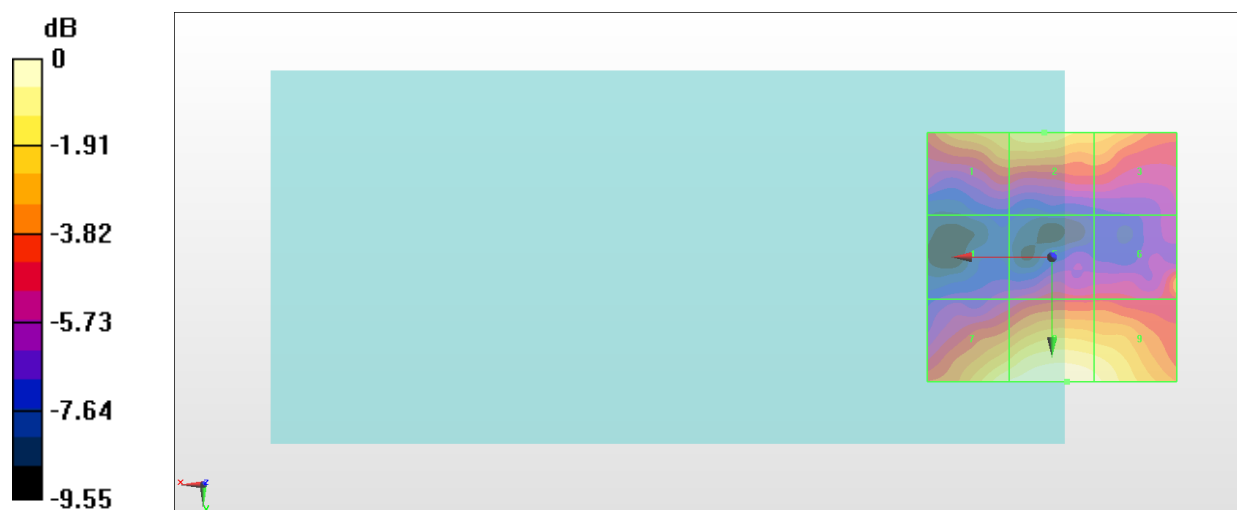
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.41 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.01 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.24 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>20.49 dBV/m</b> | Grid 5 <b>M4</b><br><b>21.64 dBV/m</b> | Grid 6 <b>M4</b><br><b>23.11 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.7 dBV/m</b>  | Grid 8 <b>M4</b><br><b>26.21 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.79 dBV/m</b> |

**Cursor:**

Total = 26.21 dBV/m

E Category: M4

Location: -3, 25, 8.7 mm



0 dB = 20.44 V/m = 26.21 dBV/m

**#06\_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,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 7.737 V/m; Power Drift = 0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.57 dBV/m

**Emission category: M4**

MIF scaled E-field

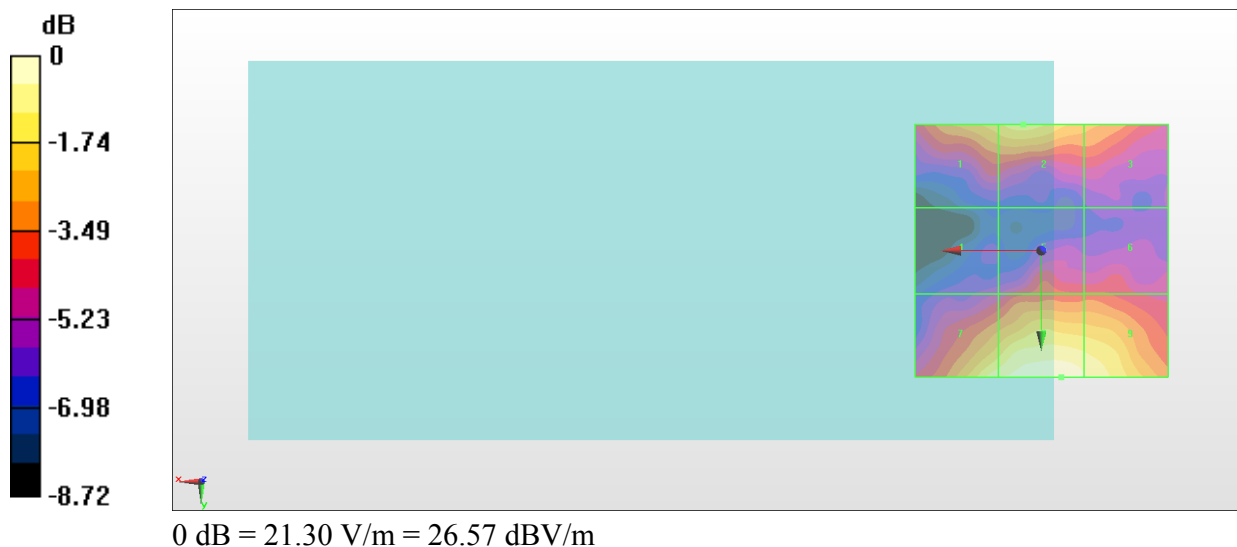
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.66 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.15 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.95 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.41 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.83 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.68 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>25.93 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.57 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.05 dBV/m</b> |

**Cursor:**

Total = 26.57 dBV/m

E Category: M4

Location: -4, 25, 8.7 mm



**#07\_HAC\_E\_CDMA BC0\_ 1xRTT, RC1 SO3, 1/8th Rate\_Ch1013**

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.7 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 20.99 V/m; Power Drift = 0.02 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.85 dBV/m

**Emission category: M4**

MIF scaled E-field

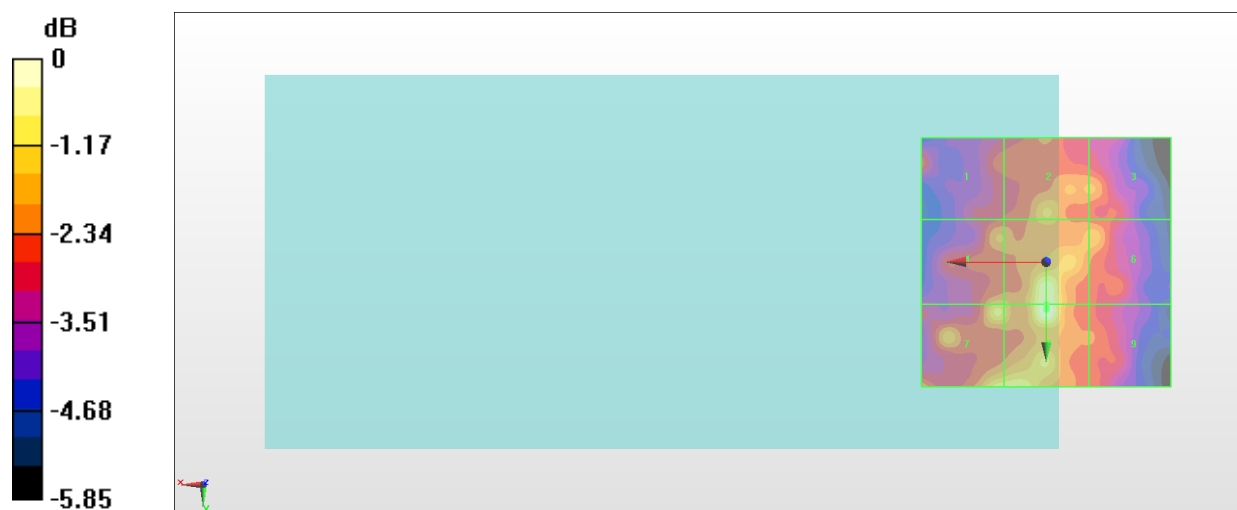
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.42 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.38 dBV/m</b> | Grid 3 <b>M4</b><br><b>27 dBV/m</b>    |
| Grid 4 <b>M4</b><br><b>27.4 dBV/m</b>  | Grid 5 <b>M4</b><br><b>28.67 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.2 dBV/m</b>  |
| Grid 7 <b>M4</b><br><b>28.1 dBV/m</b>  | Grid 8 <b>M4</b><br><b>28.85 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.59 dBV/m</b> |

**Cursor:**

Total = 28.85 dBV/m

E Category: M4

Location: 0, 9.5, 8.7 mm



0 dB = 27.71 V/m = 28.85 dBV/m

**#08\_HAC\_E\_CDMA BC0\_ 1xRTT, RC1 SO3, 1/8th Rate\_Ch384**

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.52 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 20.73 V/m; Power Drift = 0.11 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.22 dBV/m

**Emission category: M4**

MIF scaled E-field

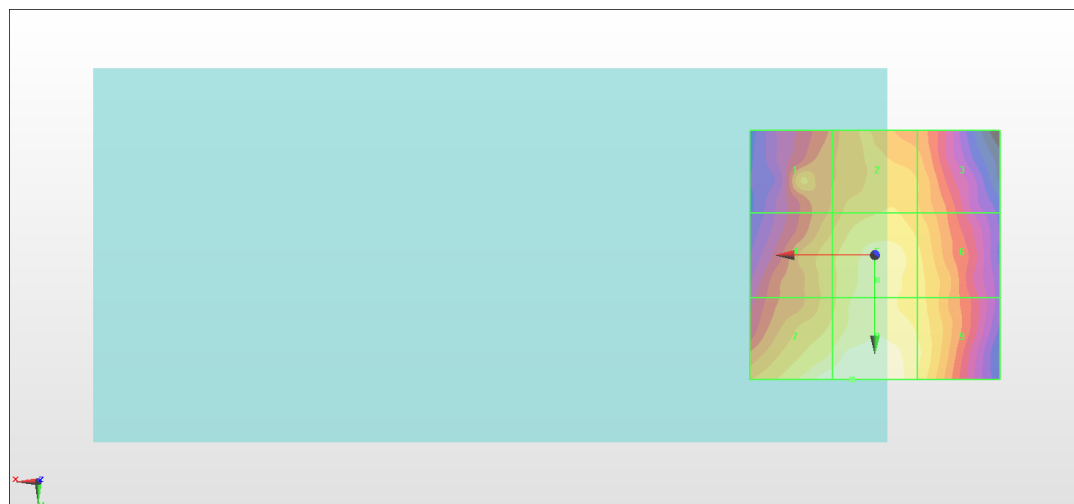
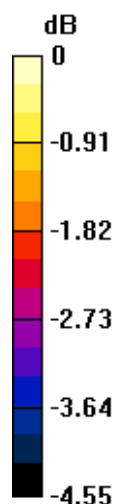
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.07 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.35 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.09 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.29 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.86 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.46 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.16 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.22 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.69 dBV/m</b> |

**Cursor:**

Total = 27.22 dBV/m

E Category: M4

Location: 4.5, 25, 8.7 mm



0 dB = 22.97 V/m = 27.22 dBV/m

**#09\_HAC\_E\_CDMA BC0\_ 1xRTT, RC1 SO3, 1/8th Rate\_Ch777**

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.31 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 21.11 V/m; Power Drift = 0.15 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.23 dBV/m

**Emission category: M4**

MIF scaled E-field

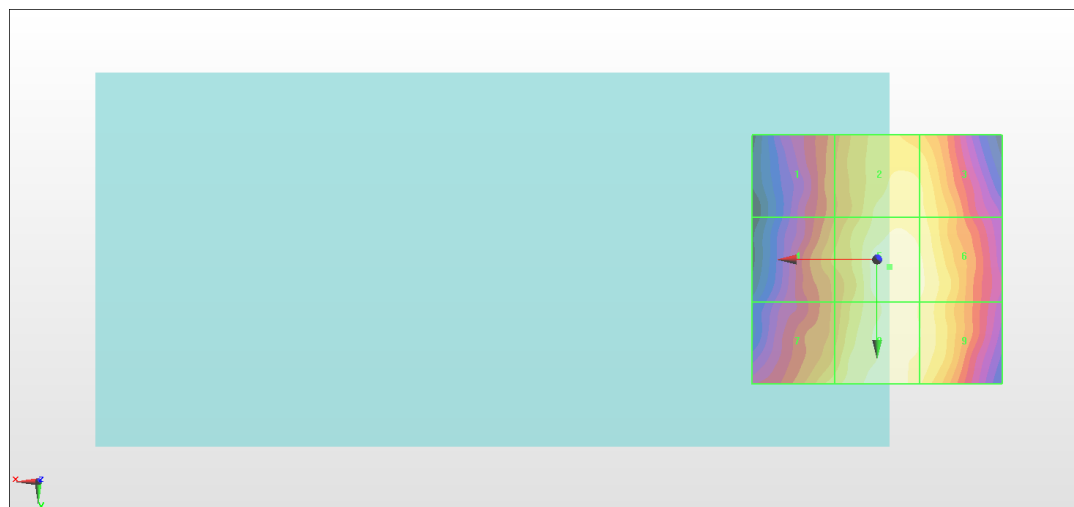
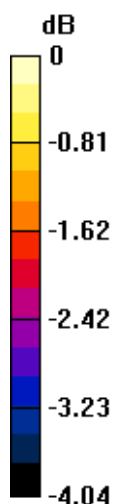
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.91 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.89 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.8 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>26.22 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.23 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.03 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.61 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.12 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.98 dBV/m</b> |

**Cursor:**

Total = 27.23 dBV/m

E Category: M4

Location: -2.5, 1.5, 8.7 mm



0 dB = 22.99 V/m = 27.23 dBV/m

**#10\_HAC\_E\_CDMA BC1\_ 1xRTT, RC1 SO3, 1/8th Rate\_Ch25**

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1851.25 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 5.834 V/m; Power Drift = 0.01 dB

Applied MIF = 3.26 dB

RF audio interference level = 21.34 dBV/m

**Emission category: M4**

MIF scaled E-field

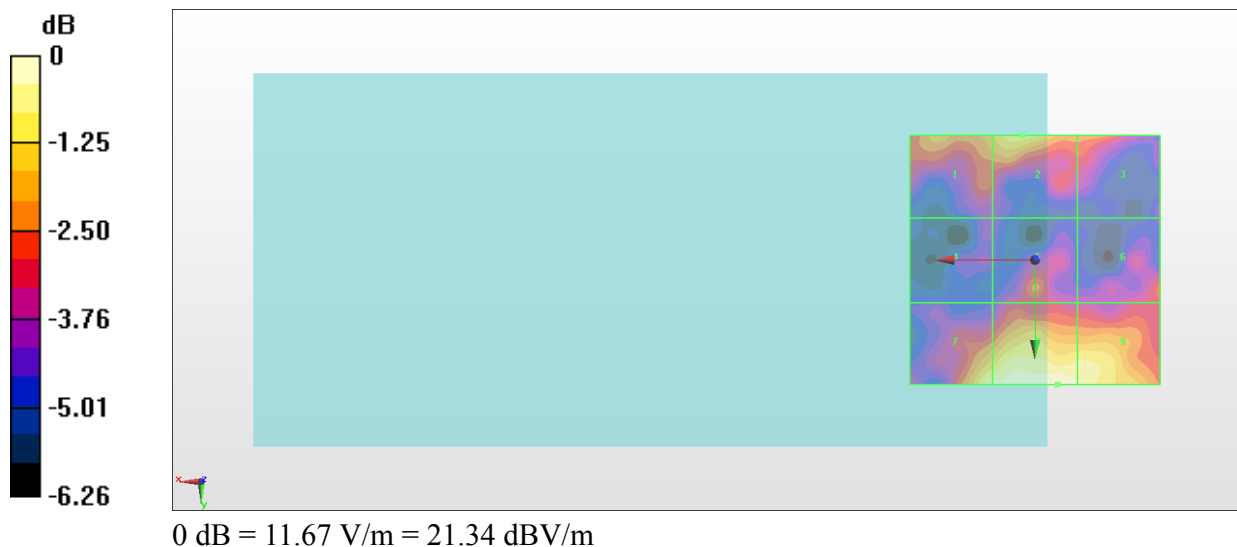
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.61 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.47 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.24 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.32 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.95 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.72 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>21.04 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.34 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.91 dBV/m</b> |

**Cursor:**

Total = 21.34 dBV/m

E Category: M4

Location: -4.5, 25, 8.7 mm



**#11\_HAC\_E\_CDMA BC1\_ 1xRTT, RC1 SO3, 1/8th Rate\_Ch600**

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 5.396 V/m; Power Drift = 0.16 dB

Applied MIF = 3.26 dB

RF audio interference level = 20.80 dBV/m

**Emission category: M4**

MIF scaled E-field

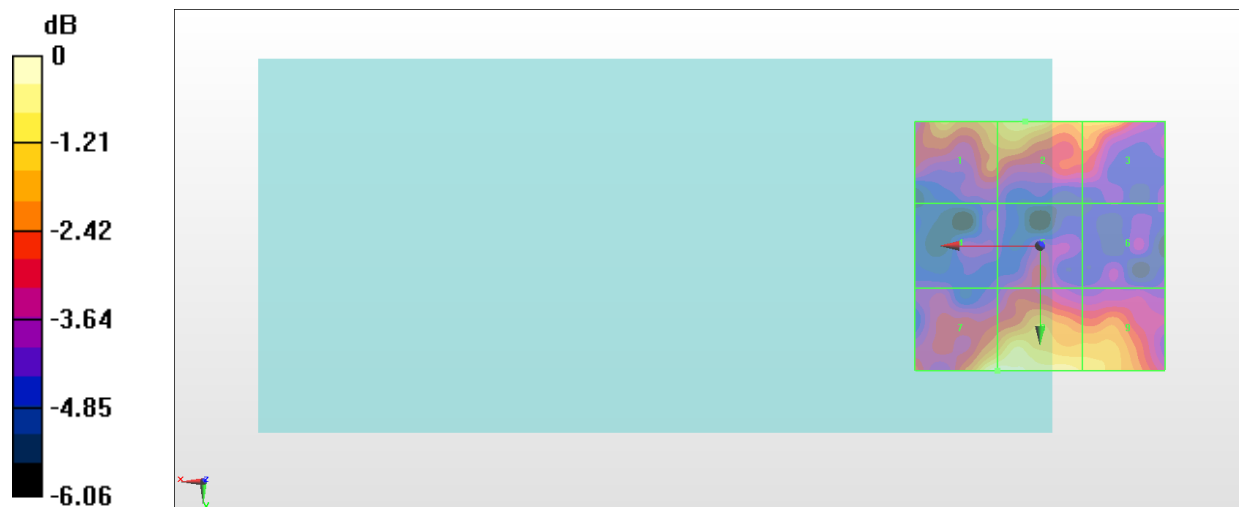
|                                        |                                       |                                        |
|----------------------------------------|---------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.4 dBV/m</b>  | Grid 2 <b>M4</b><br><b>20.1 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.65 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.11 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.9 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.98 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.8 dBV/m</b>  | Grid 8 <b>M4</b><br><b>20.8 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.94 dBV/m</b> |

**Cursor:**

Total = 20.80 dBV/m

E Category: M4

Location: 8.5, 25, 8.7 mm



0 dB = 10.96 V/m = 20.80 dBV/m

**#12\_HAC\_E\_CDMA BC1\_ 1xRTT, RC1 SO3, 1/8th Rate\_Ch1175**

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1908.75 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 5.428 V/m; Power Drift = 0.08 dB

Applied MIF = 3.26 dB

RF audio interference level = 21.26 dBV/m

**Emission category: M4**

MIF scaled E-field

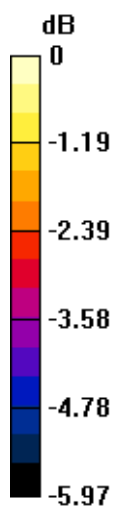
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.18 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.6 dBV/m</b>  | Grid 3 <b>M4</b><br><b>19.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.34 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.02 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.14 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.01 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.4 dBV/m</b>  | Grid 9 <b>M4</b><br><b>21.26 dBV/m</b> |

**Cursor:**

Total = 21.26 dBV/m

E Category: M4

Location: -20, 15.5, 8.7 mm



0 dB = 11.57 V/m = 21.27 dBV/m

**#13\_HAC\_E\_CDMA BC10\_ 1xRTT, RC1 SO3, 18th Rate\_Ch476**

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.9 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 817.9 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 19.77 V/m; Power Drift = 0.14 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.06 dBV/m

**Emission category: M4**

MIF scaled E-field

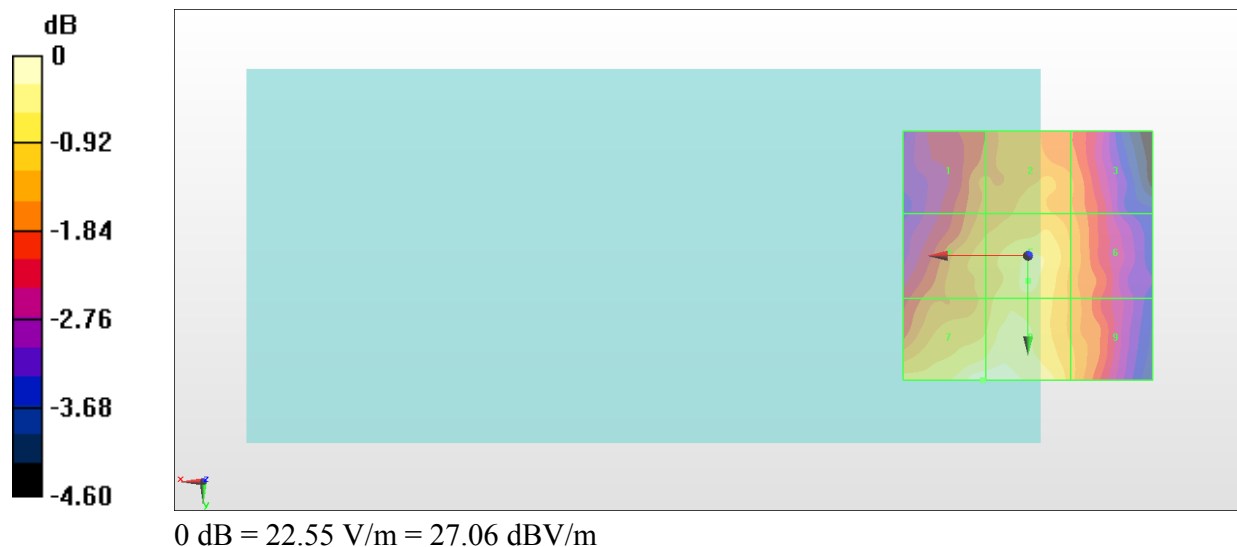
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.65 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.99 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.63 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.05 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.53 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.84 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.06 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.05 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.99 dBV/m</b> |

**Cursor:**

Total = 27.06 dBV/m

E Category: M4

Location: 9, 25, 8.7 mm



**#14\_HAC\_E\_CDMA BC10\_ 1xRTT, RC1 SO3, 1/8th Rate\_Ch580**

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820.5 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 820.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 20.05 V/m; Power Drift = 0.12 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.01 dBV/m

**Emission category: M4**

MIF scaled E-field

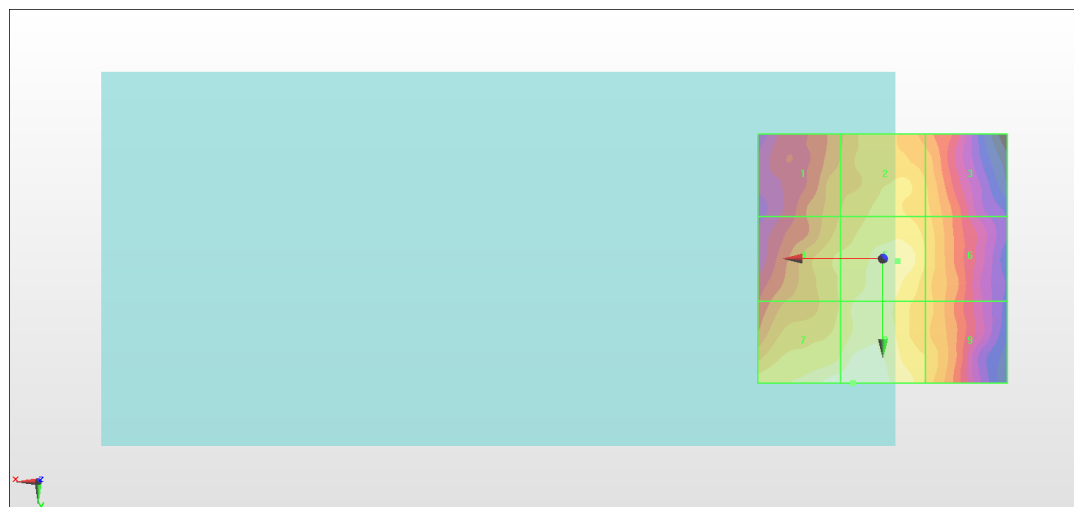
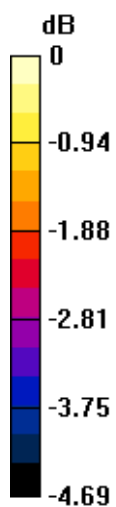
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>25.78 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.2 dBV/m</b>  | Grid 3 <b>M4</b><br><b>25.89 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.16 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.64 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.06 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.96 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.01 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.09 dBV/m</b> |

**Cursor:**

Total = 27.01 dBV/m

E Category: M4

Location: 6, 25, 8.7 mm



0 dB = 22.41 V/m = 27.01 dBV/m

**#15\_HAC\_E\_CDMA BC10\_ 1xRTT, RC1 SO3, 1/8th Rate\_Ch684**

Communication System: CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 823.1 MHz; Duty Cycle: 1:17.7419

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 823.1 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 20.58 V/m; Power Drift = 0.09 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.15 dBV/m

**Emission category: M4**

MIF scaled E-field

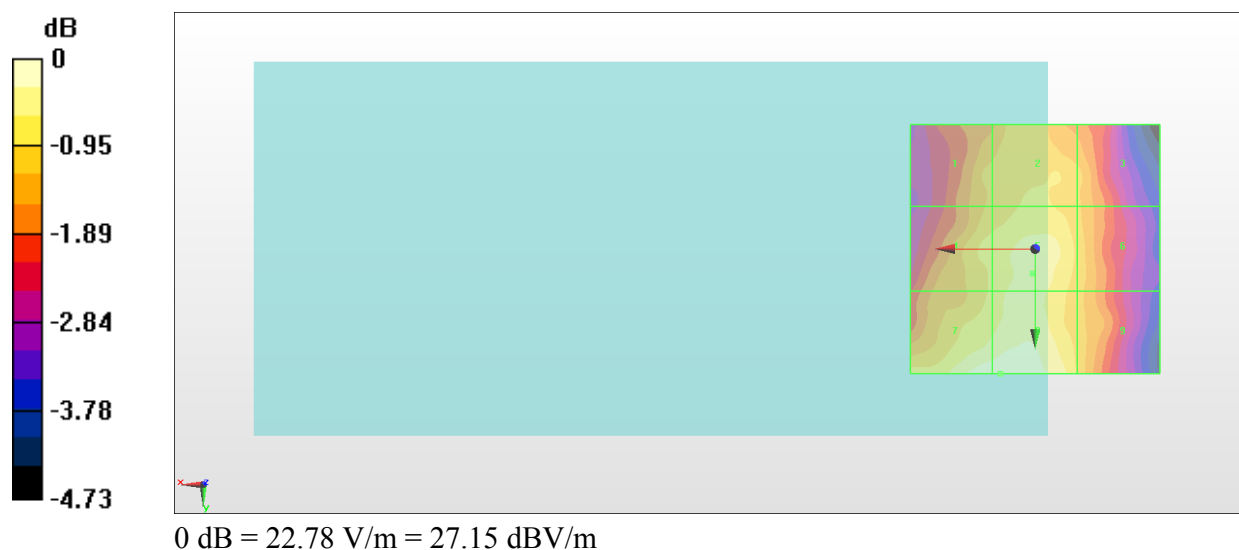
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.03 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.33 dBV/m</b> | Grid 3 <b>M4</b><br><b>26 dBV/m</b>    |
| Grid 4 <b>M4</b><br><b>26.43 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.84 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.12 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.14 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.15 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.16 dBV/m</b> |

**Cursor:**

Total = 27.15 dBV/m

E Category: M4

Location: 7, 25, 8.7 mm



**#16\_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: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 14.10 V/m; Power Drift = -0.04 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.71 dBV/m

**Emission category: M4**

MIF scaled E-field

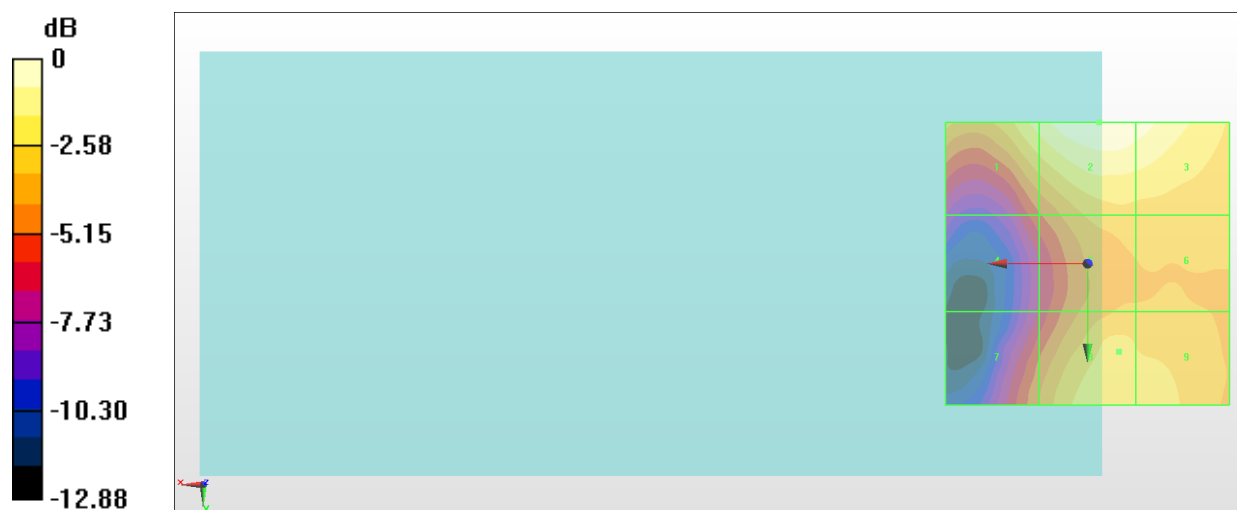
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.48 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.71 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.31 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>18.44 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.86 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.84 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.51 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.87 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.69 dBV/m</b> |

**Cursor:**

Total = 23.71 dBV/m

E Category: M4

Location: -2, -25, 8.7 mm



0 dB = 15.33 V/m = 23.71 dBV/m

**#17\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40185**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 12.52 V/m; Power Drift = -0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 24.06 dBV/m

**Emission category: M4**

MIF scaled E-field

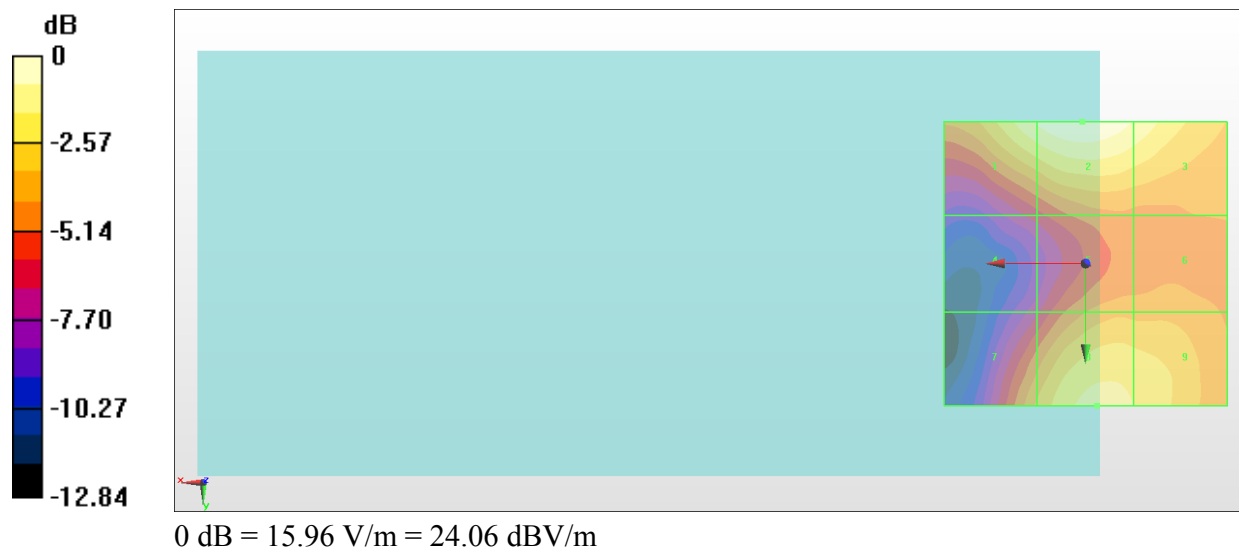
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.32 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.06 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.15 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.76 dBV/m</b> | Grid 5 <b>M4</b><br><b>20.43 dBV/m</b> | Grid 6 <b>M4</b><br><b>20.43 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>20.83 dBV/m</b> | Grid 8 <b>M4</b><br><b>22.66 dBV/m</b> | Grid 9 <b>M4</b><br><b>22.35 dBV/m</b> |

**Cursor:**

Total = 24.06 dBV/m

E Category: M4

Location: 0.5, -25, 8.7 mm



**#18\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40620**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 10.51 V/m; Power Drift = 0.10 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.75 dBV/m

**Emission category: M4**

MIF scaled E-field

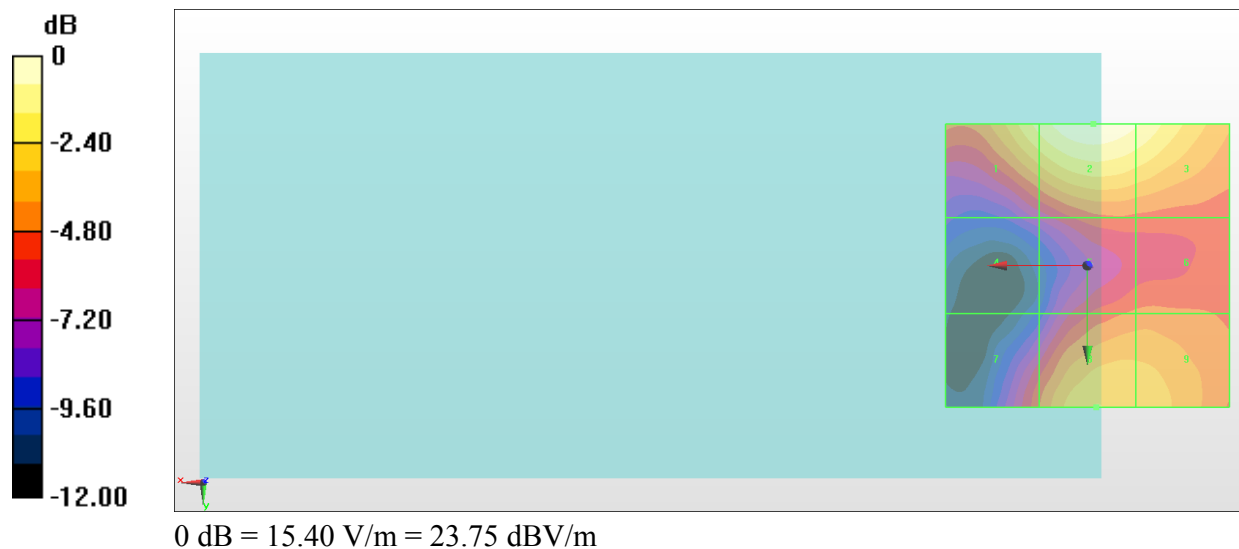
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.51 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.75 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.07 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.79 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.17 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.28 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.94 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.4 dBV/m</b>  | Grid 9 <b>M4</b><br><b>21.22 dBV/m</b> |

**Cursor:**

Total = 23.75 dBV/m

E Category: M4

Location: -1, -25, 8.7 mm



**#19\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch41055**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2636.5 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 8.719 V/m; Power Drift = 0.09 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.84 dBV/m

**Emission category: M4**

MIF scaled E-field

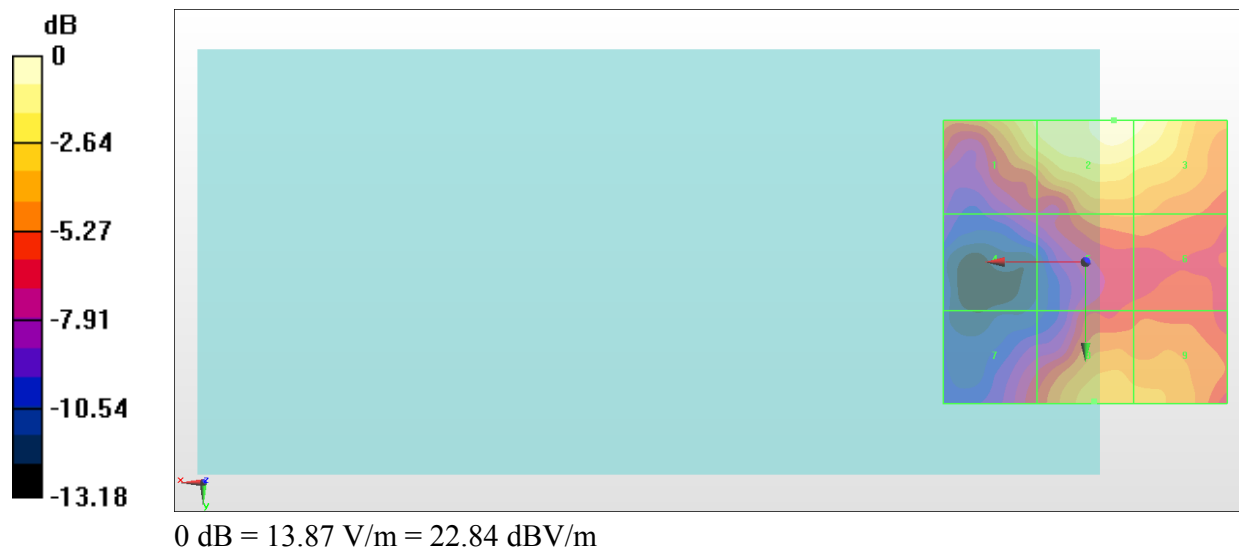
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.32 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.84 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.41 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.73 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.63 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.61 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.78 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.77 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.67 dBV/m</b> |

**Cursor:**

Total = 22.84 dBV/m

E Category: M4

Location: -5, -25, 8.7 mm



**#20\_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: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 7.741 V/m; Power Drift = -0.10 dB

Applied MIF = -1.62 dB

RF audio interference level = 21.52 dBV/m

**Emission category: M4**

MIF scaled E-field

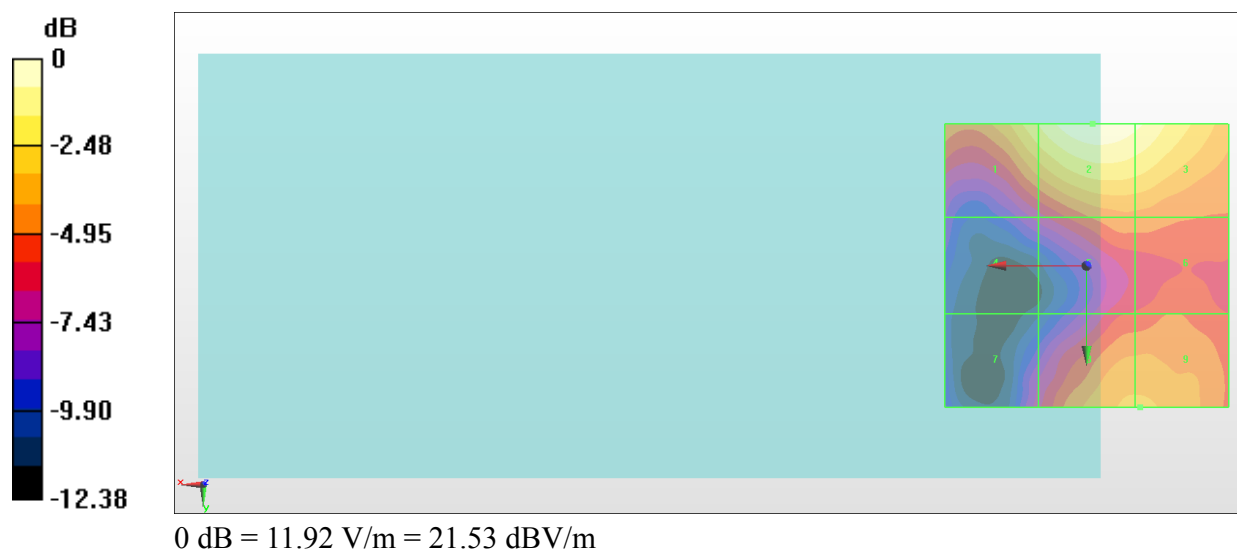
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.91 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.52 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.92 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>14.51 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.18 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.15 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>14.7 dBV/m</b>  | Grid 8 <b>M4</b><br><b>18.44 dBV/m</b> | Grid 9 <b>M4</b><br><b>18.45 dBV/m</b> |

**Cursor:**

Total = 21.52 dBV/m

E Category: M4

Location: -1, -25, 8.7 mm



**#21\_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: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2506 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 13.68 V/m; Power Drift = -0.02 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.13 dBV/m

**Emission category: M4**

MIF scaled E-field

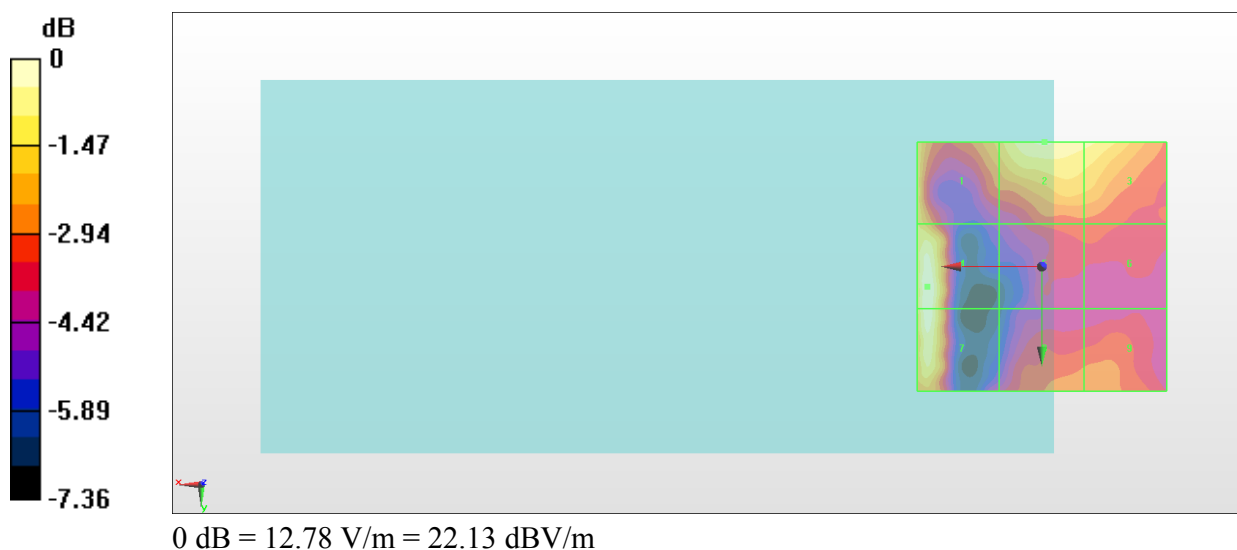
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.03 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.76 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.34 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>22.13 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.04 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.04 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>22.04 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.69 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.58 dBV/m</b> |

**Cursor:**

Total = 22.13 dBV/m

E Category: M4

Location: 23, 4, 8.7 mm



**#22\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40185**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 10.60 V/m; Power Drift = 0.11 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.22 dBV/m

**Emission category: M4**

MIF scaled E-field

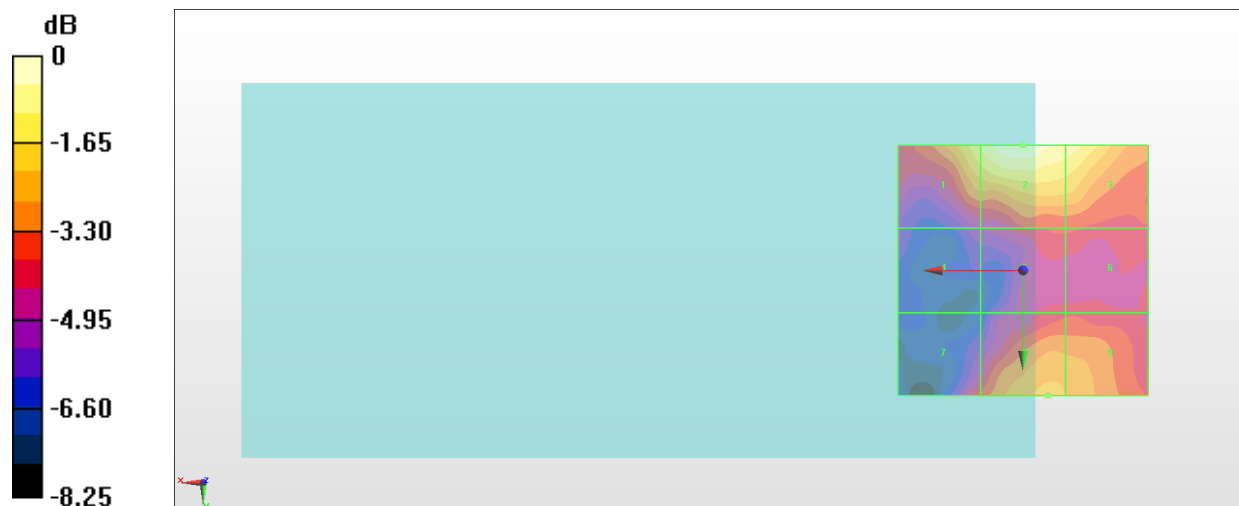
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.16 dBV/m</b> | Grid 2 <b>M4</b><br><b>22.22 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.33 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.53 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.53 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.67 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.25 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.01 dBV/m</b> |

**Cursor:**

Total = 22.22 dBV/m

E Category: M4

Location: 0, -25, 8.7 mm



0 dB = 12.91 V/m = 22.22 dBV/m

**#23\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40620**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2549.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 10.16 V/m; Power Drift = 0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 21.91 dBV/m

**Emission category: M4**

MIF scaled E-field

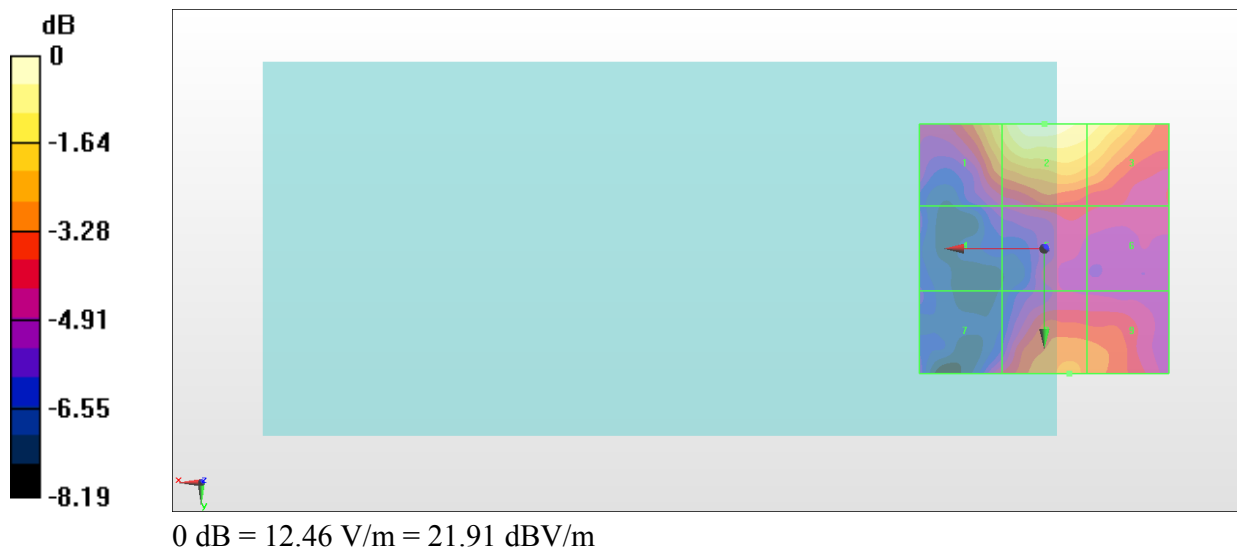
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.53 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.91 dBV/m</b> | Grid 3 <b>M4</b><br><b>21.2 dBV/m</b>  |
| Grid 4 <b>M4</b><br><b>17.01 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.98 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.72 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>17.74 dBV/m</b> | Grid 8 <b>M4</b><br><b>19.38 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.04 dBV/m</b> |

**Cursor:**

Total = 21.91 dBV/m

E Category: M4

Location: 0, -25, 8.7 mm



**#24\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch41055**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2636.5 MHz; Duty Cycle: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2636.5 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 9.071 V/m; Power Drift = 0.01 dB

Applied MIF = -1.62 dB

RF audio interference level = 20.94 dBV/m

**Emission category: M4**

MIF scaled E-field

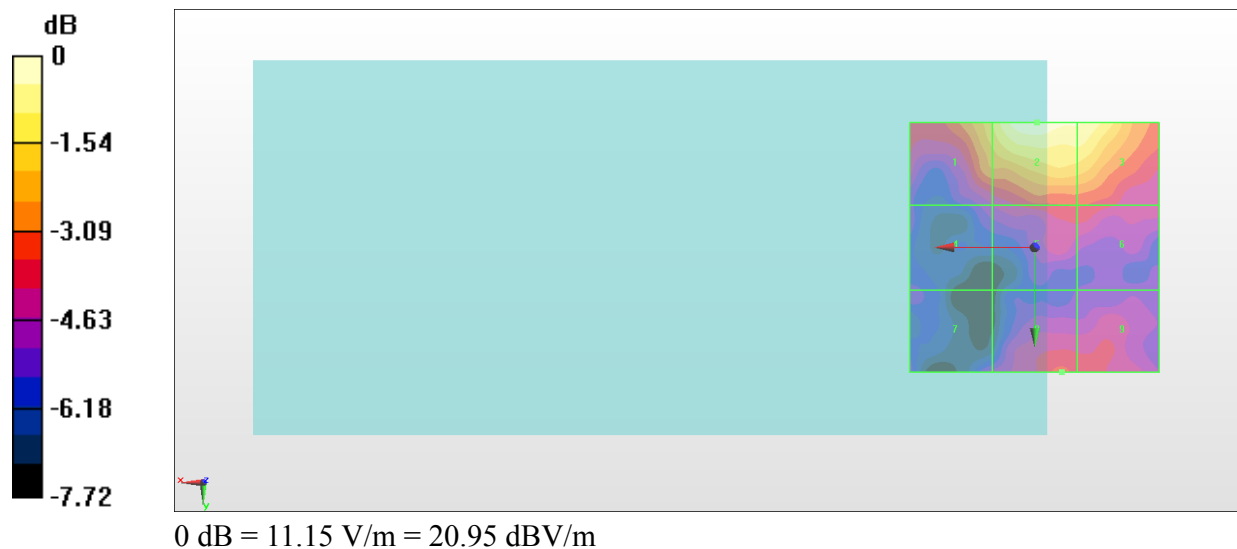
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.41 dBV/m</b> | Grid 2 <b>M4</b><br><b>20.94 dBV/m</b> | Grid 3 <b>M4</b><br><b>20.51 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>16.34 dBV/m</b> | Grid 5 <b>M4</b><br><b>17.43 dBV/m</b> | Grid 6 <b>M4</b><br><b>17.42 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.12 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.52 dBV/m</b> | Grid 9 <b>M4</b><br><b>17.11 dBV/m</b> |

**Cursor:**

Total = 20.94 dBV/m

E Category: M4

Location: -0.5, -25, 8.7 mm



**#25\_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: 1:8.33681

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

Ambient Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2680 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 8.747 V/m; Power Drift = 0.03 dB

Applied MIF = -1.62 dB

RF audio interference level = 19.89 dBV/m

**Emission category: M4**

MIF scaled E-field

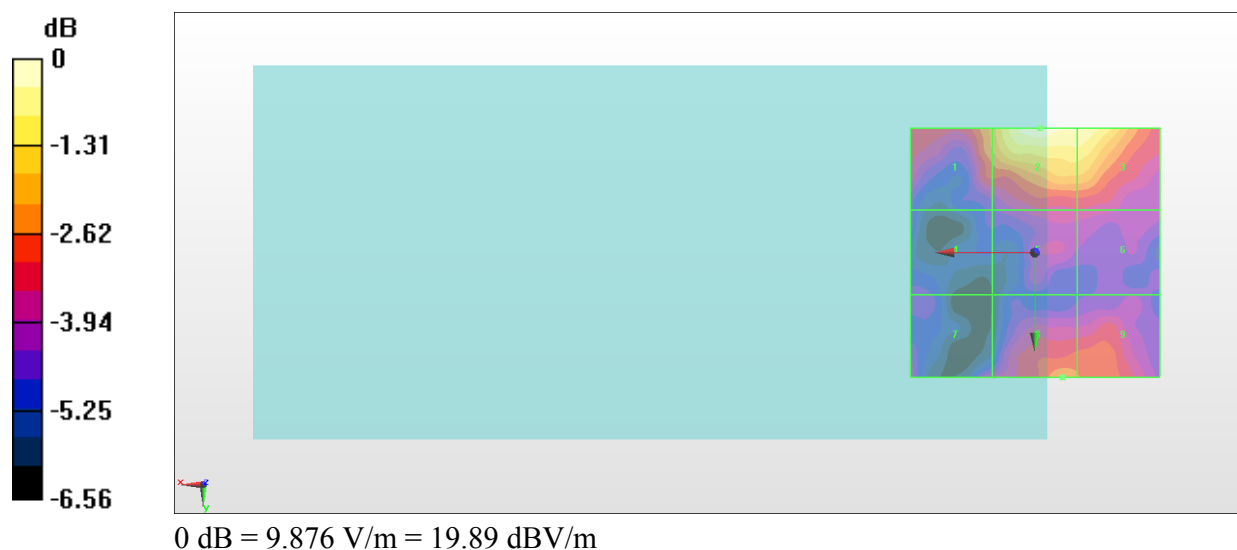
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>17.92 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.89 dBV/m</b> | Grid 3 <b>M4</b><br><b>19.54 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>15.48 dBV/m</b> | Grid 5 <b>M4</b><br><b>16.33 dBV/m</b> | Grid 6 <b>M4</b><br><b>16.33 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>16.29 dBV/m</b> | Grid 8 <b>M4</b><br><b>17.67 dBV/m</b> | Grid 9 <b>M4</b><br><b>17.32 dBV/m</b> |

**Cursor:**

Total = 19.89 dBV/m

E Category: M4

Location: -1, -25, 8.7 mm



**#26\_HAC\_E\_WLAN2.4GHz\_802.11g\_6Mbps\_Ch1**

Communication System: 802.11g ; Frequency: 2412 MHz;Duty Cycle: 1:12.5893

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

Ambient Temperature : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2412 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2);SEMCAD X Version 14.6.12 (7470)

**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 = 49.35 V/m; Power Drift = -0.19 dB

Applied MIF = 0.12 dB

RF audio interference level = 33.24 dBV/m

**Emission category: M3**

MIF scaled E-field

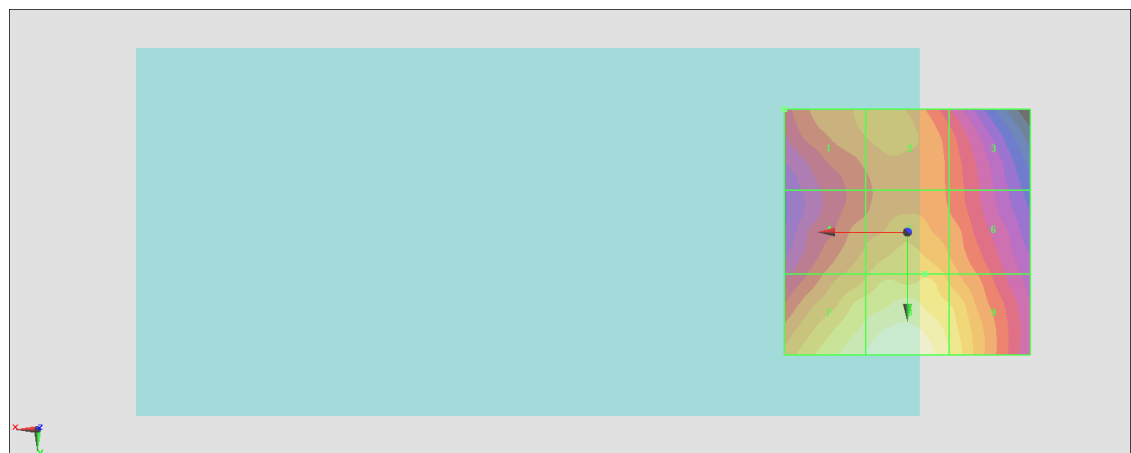
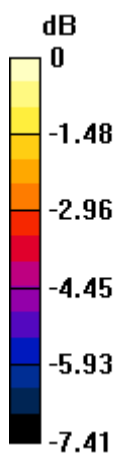
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>30.88 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.98 dBV/m</b> | Grid 3 <b>M3</b><br><b>30.21 dBV/m</b> |
| Grid 4 <b>M3</b><br><b>31.2 dBV/m</b>  | Grid 5 <b>M3</b><br><b>31.67 dBV/m</b> | Grid 6 <b>M3</b><br><b>31.09 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>32.81 dBV/m</b> | Grid 8 <b>M3</b><br><b>33.24 dBV/m</b> | Grid 9 <b>M3</b><br><b>32.27 dBV/m</b> |

**Cursor:**

Total = 29.53 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 45.94 V/m = 33.24 dBV/m

**#27\_HAC\_E\_WLAN2.4GHz\_802.11g\_6Mbps\_Ch6**

Communication System: 802.11g; Frequency: 2437 MHz; Duty Cycle: 1:12.5893

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

Ambient Temperature : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 47.43 V/m; Power Drift = 0.13 dB

Applied MIF = 0.12 dB

RF audio interference level = 33.22 dBV/m

**Emission category: M3**

MIF scaled E-field

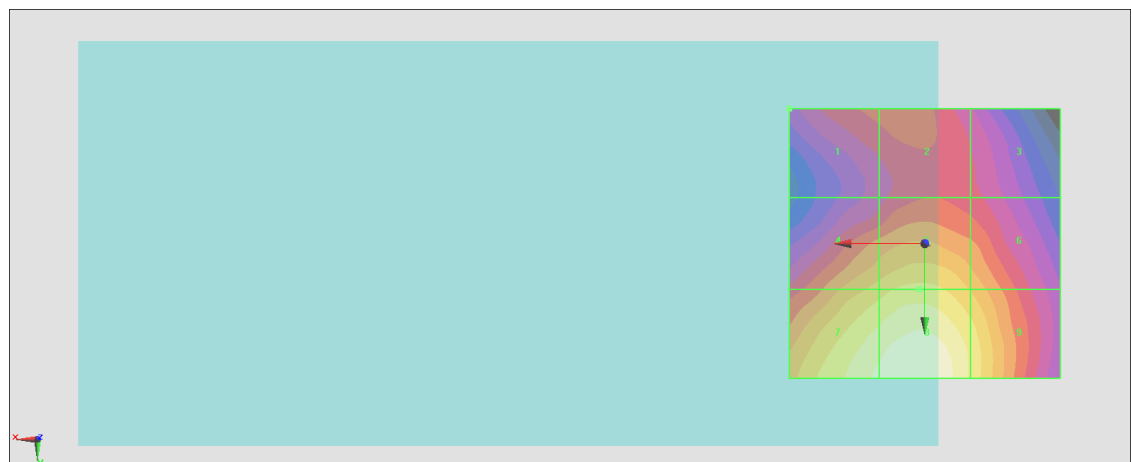
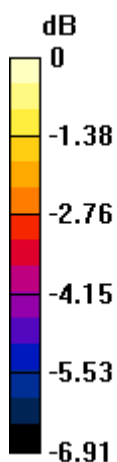
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M3</b><br><b>30.17 dBV/m</b> | Grid 2 <b>M3</b><br><b>30.27 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.75 dBV/m</b> |
| Grid 4 <b>M3</b><br><b>31.61 dBV/m</b> | Grid 5 <b>M3</b><br><b>32 dBV/m</b>    | Grid 6 <b>M3</b><br><b>31.34 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>32.87 dBV/m</b> | Grid 8 <b>M3</b><br><b>33.22 dBV/m</b> | Grid 9 <b>M3</b><br><b>32.22 dBV/m</b> |

**Cursor:**

Total = 28.85 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 45.79 V/m = 33.22 dBV/m

**#28\_HAC\_E\_WLAN2.4GHz\_802.11g\_6Mbps\_Ch11**

Communication System: 802.11g; Frequency: 2462 MHz; Duty Cycle: 1:12.5893

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

Ambient Temperature : 23.7 °C

DASY5 Configuration:

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 2019/1/30
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn495; Calibrated: 2019/5/21
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (2); SEMCAD X Version 14.6.12 (7470)

**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 = 47.86 V/m; Power Drift = -0.10 dB

Applied MIF = 0.12 dB

RF audio interference level = 32.85 dBV/m

**Emission category: M3**

MIF scaled E-field

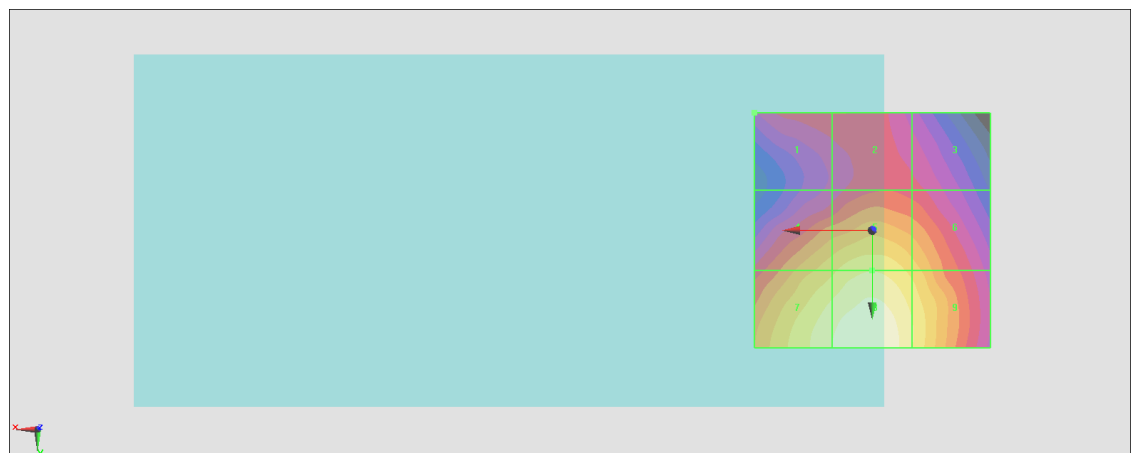
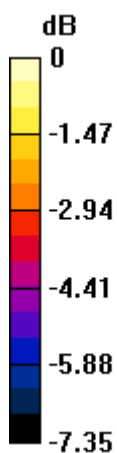
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.46 dBV/m</b> | Grid 2 <b>M4</b><br><b>29.46 dBV/m</b> | Grid 3 <b>M4</b><br><b>29.21 dBV/m</b> |
| Grid 4 <b>M3</b><br><b>31.27 dBV/m</b> | Grid 5 <b>M3</b><br><b>31.85 dBV/m</b> | Grid 6 <b>M3</b><br><b>31.2 dBV/m</b>  |
| Grid 7 <b>M3</b><br><b>32.37 dBV/m</b> | Grid 8 <b>M3</b><br><b>32.85 dBV/m</b> | Grid 9 <b>M3</b><br><b>31.92 dBV/m</b> |

**Cursor:**

Total = 28.39 dBV/m

E Category: M4

Location: 25, -25, 8.7 mm



0 dB = 43.92 V/m = 32.85 dBV/m