

# #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 = 62.00 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.77 dBV/m

**Emission category: M4**

MIF scaled E-field

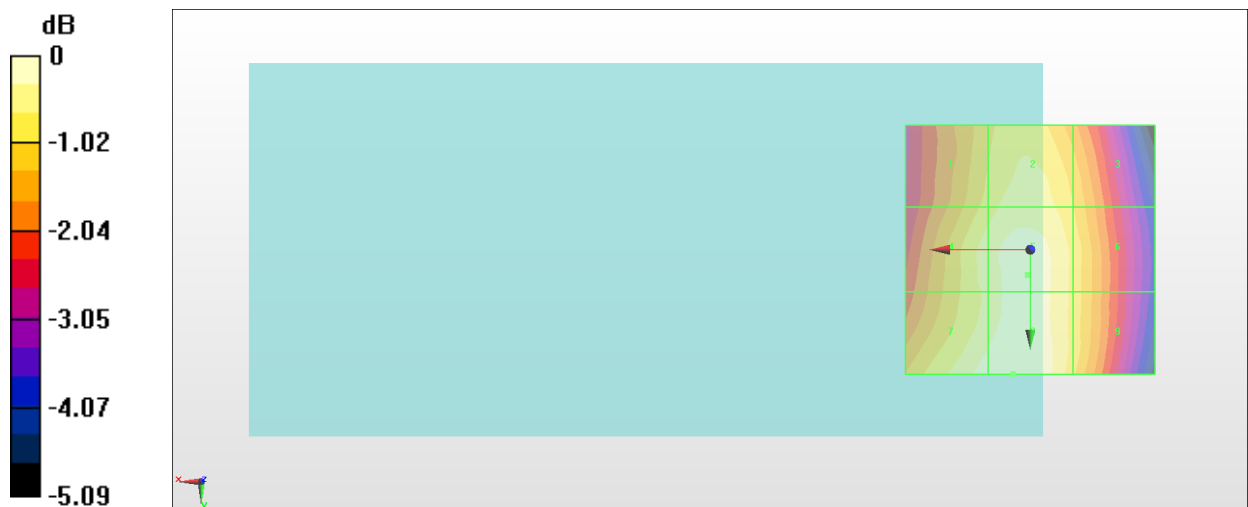
<b>Grid 1 M4</b> <b>35.92 dBV/m</b>	<b>Grid 2 M4</b> <b>36.29 dBV/m</b>	<b>Grid 3 M4</b> <b>35.78 dBV/m</b>
<b>Grid 4 M4</b> <b>36.29 dBV/m</b>	<b>Grid 5 M4</b> <b>36.61 dBV/m</b>	<b>Grid 6 M4</b> <b>36.01 dBV/m</b>
<b>Grid 7 M4</b> <b>36.6 dBV/m</b>	<b>Grid 8 M4</b> <b>36.77 dBV/m</b>	<b>Grid 9 M4</b> <b>36 dBV/m</b>

### Cursor:

Total = 36.77 dBV/m

E Category: M4

Location: 3.5, 25, 8.7 mm



0 dB = 68.91 V/m = 36.77 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,  $\epsilon_r = 1$ ;  $\rho = 0$  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 = 61.97 V/m; Power Drift = 0.07 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.03 dBV/m

**Emission category: M4**

MIF scaled E-field

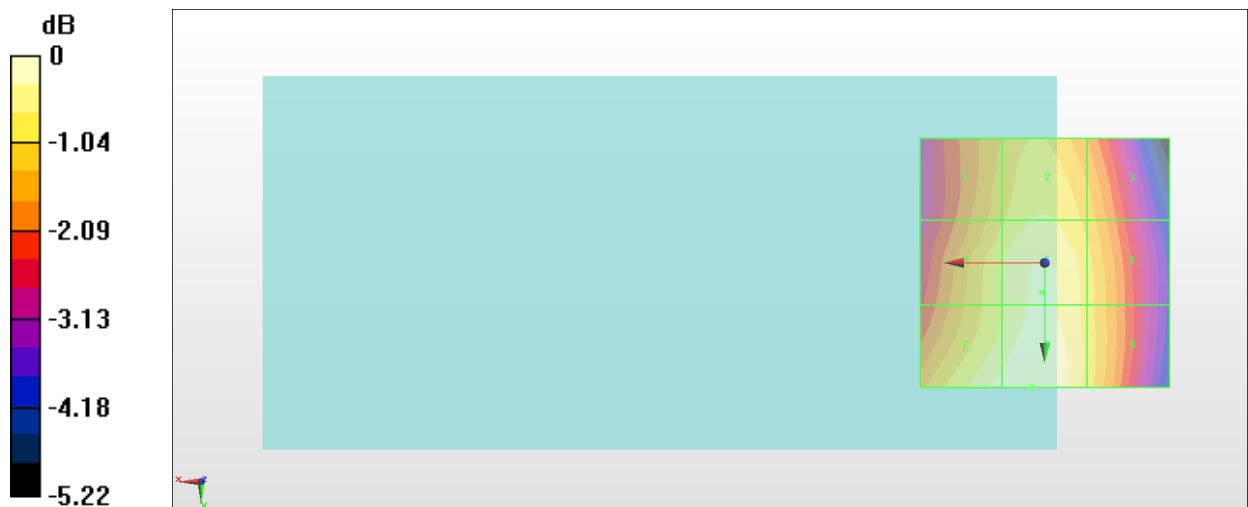
Grid 1 <b>M4</b> <b>35.94 dBV/m</b>	Grid 2 <b>M4</b> <b>36.38 dBV/m</b>	Grid 3 <b>M4</b> <b>35.86 dBV/m</b>
Grid 4 <b>M4</b> <b>36.37 dBV/m</b>	Grid 5 <b>M4</b> <b>36.76 dBV/m</b>	Grid 6 <b>M4</b> <b>36.19 dBV/m</b>
Grid 7 <b>M4</b> <b>36.86 dBV/m</b>	Grid 8 <b>M4</b> <b>37.03 dBV/m</b>	Grid 9 <b>M4</b> <b>36.25 dBV/m</b>

**Cursor:**

Total = 37.03 dBV/m

E Category: M4

Location: 2.5, 25, 8.7 mm



0 dB = 71.01 V/m = 37.03 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,  $\epsilon_r = 1$ ;  $\rho = 0$  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 = 52.32 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.35 dBV/m

**Emission category: M4**

MIF scaled E-field

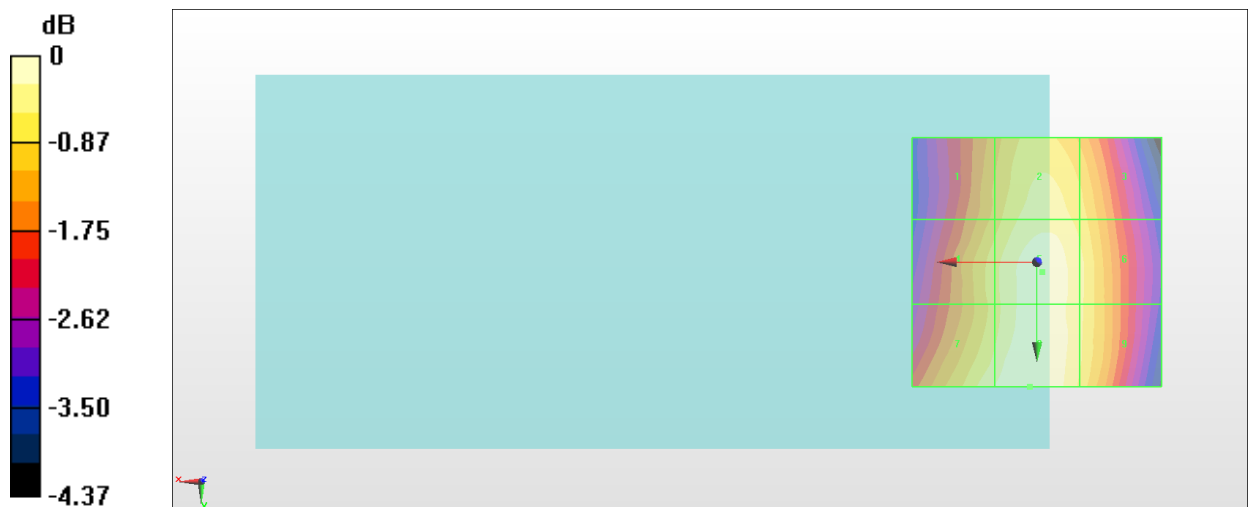
Grid 1 <b>M4</b> <b>34.31 dBV/m</b>	Grid 2 <b>M4</b> <b>34.96 dBV/m</b>	Grid 3 <b>M4</b> <b>34.65 dBV/m</b>
Grid 4 <b>M4</b> <b>34.68 dBV/m</b>	Grid 5 <b>M4</b> <b>35.25 dBV/m</b>	Grid 6 <b>M4</b> <b>34.87 dBV/m</b>
Grid 7 <b>M4</b> <b>35.07 dBV/m</b>	Grid 8 <b>M4</b> <b>35.35 dBV/m</b>	Grid 9 <b>M4</b> <b>34.85 dBV/m</b>

**Cursor:**

Total = 35.35 dBV/m

E Category: M4

Location: 1.5, 25, 8.7 mm



0 dB = 58.51 V/m = 35.34 dBV/m

### #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 = 11.12 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.96 dBV/m

**Emission category: M4**

MIF scaled E-field

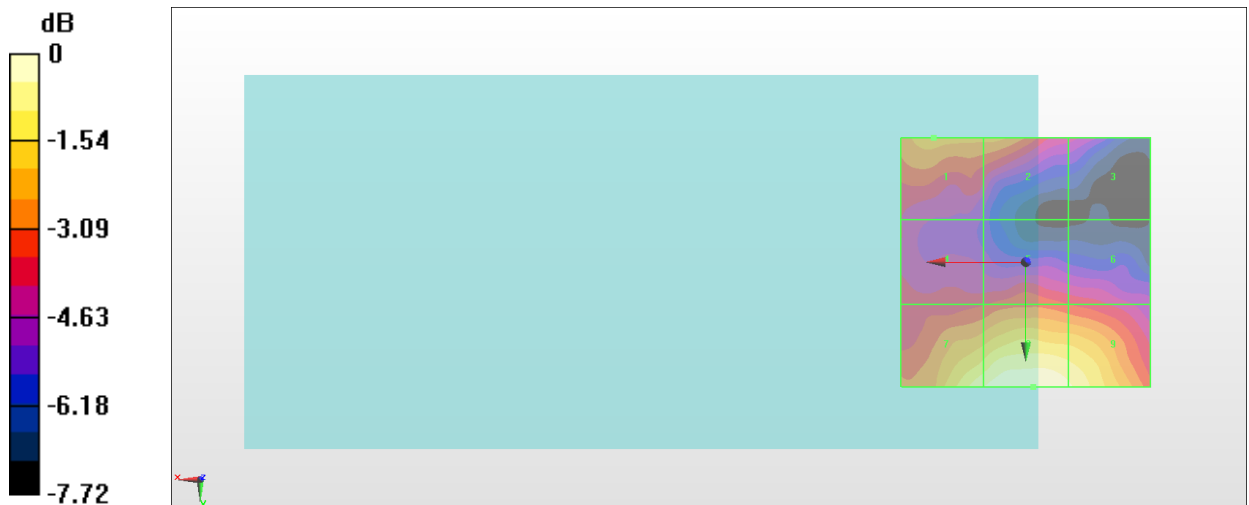
<b>Grid 1 M4</b> <b>25.73 dBV/m</b>	<b>Grid 2 M4</b> <b>25.62 dBV/m</b>	<b>Grid 3 M4</b> <b>23.66 dBV/m</b>
<b>Grid 4 M4</b> <b>24.33 dBV/m</b>	<b>Grid 5 M4</b> <b>24.79 dBV/m</b>	<b>Grid 6 M4</b> <b>24.4 dBV/m</b>
<b>Grid 7 M4</b> <b>27.43 dBV/m</b>	<b>Grid 8 M4</b> <b>27.96 dBV/m</b>	<b>Grid 9 M4</b> <b>27.55 dBV/m</b>

**Cursor:**

Total = 27.96 dBV/m

E Category: M4

Location: -1.5, 25, 8.7 mm



0 dB = 25.01 V/m = 27.96 dBV/m

### #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 = 10.76 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.06 dBV/m

**Emission category: M4**

MIF scaled E-field

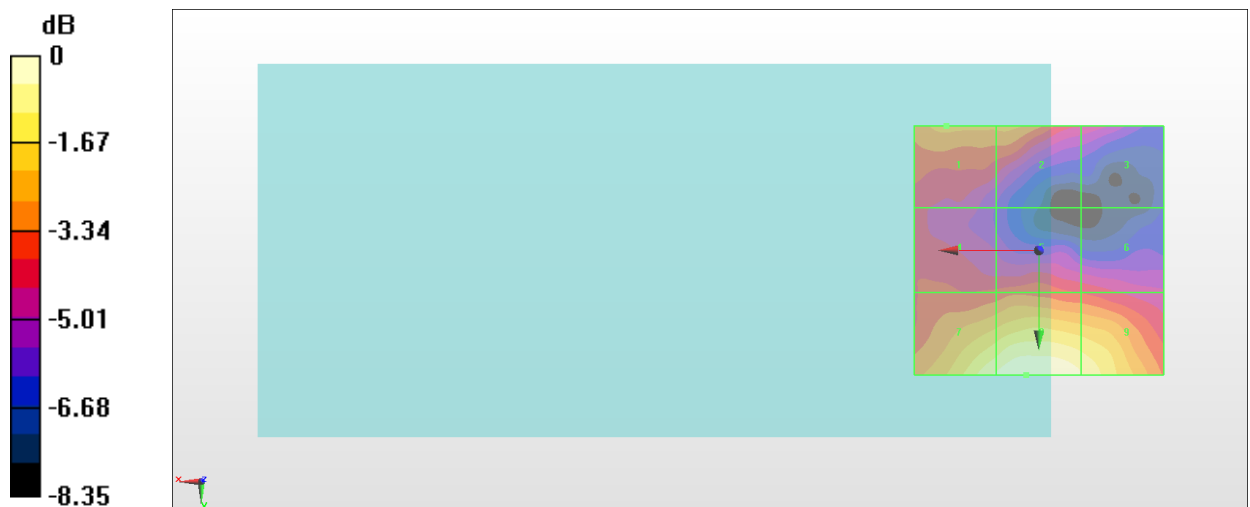
<b>Grid 1 M4</b> <b>25.54 dBV/m</b>	<b>Grid 2 M4</b> <b>25.5 dBV/m</b>	<b>Grid 3 M4</b> <b>23.69 dBV/m</b>
<b>Grid 4 M4</b> <b>24.4 dBV/m</b>	<b>Grid 5 M4</b> <b>24.61 dBV/m</b>	<b>Grid 6 M4</b> <b>24.16 dBV/m</b>
<b>Grid 7 M4</b> <b>27.63 dBV/m</b>	<b>Grid 8 M4</b> <b>28.06 dBV/m</b>	<b>Grid 9 M4</b> <b>27.56 dBV/m</b>

**Cursor:**

Total = 28.06 dBV/m

E Category: M4

Location: 2.5, 25, 8.7 mm



0 dB = 25.29 V/m = 28.06 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:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

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 = 12.10 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.51 dBV/m

**Emission category: M4**

MIF scaled E-field

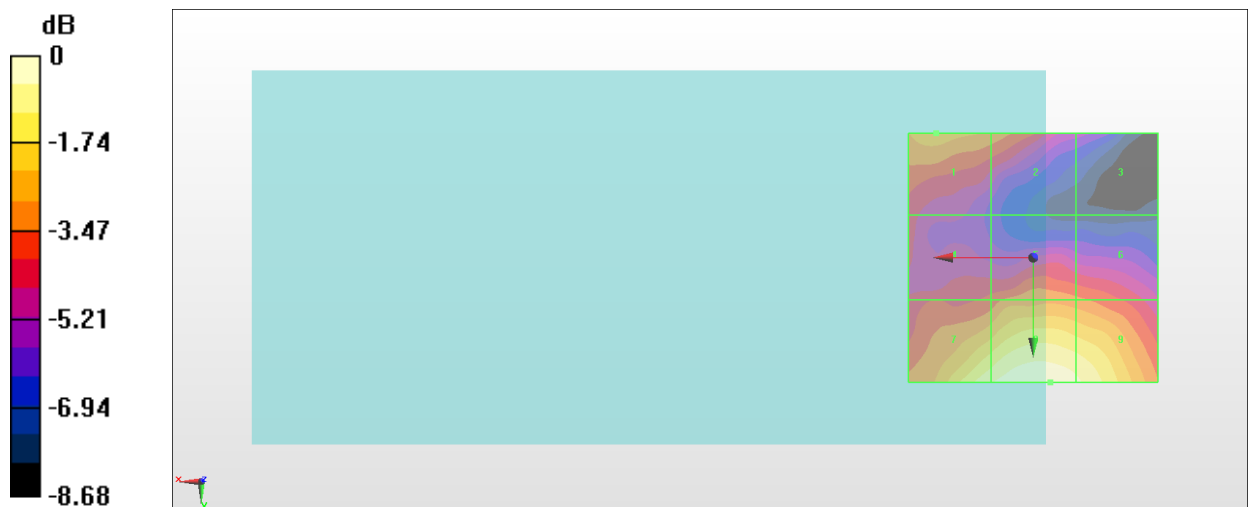
<b>Grid 1 M4</b> <b>26.04 dBV/m</b>	<b>Grid 2 M4</b> <b>25.49 dBV/m</b>	<b>Grid 3 M4</b> <b>23.15 dBV/m</b>
<b>Grid 4 M4</b> <b>24.69 dBV/m</b>	<b>Grid 5 M4</b> <b>25.48 dBV/m</b>	<b>Grid 6 M4</b> <b>25.23 dBV/m</b>
<b>Grid 7 M4</b> <b>27.88 dBV/m</b>	<b>Grid 8 M4</b> <b>28.51 dBV/m</b>	<b>Grid 9 M4</b> <b>28.09 dBV/m</b>

**Cursor:**

Total = 28.51 dBV/m

E Category: M4

Location: -3.5, 25, 8.7 mm



0 dB = 26.63 V/m = 28.51 dBV/m

### #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 = 24.16 V/m; Power Drift = 0.16 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.35 dBV/m

**Emission category: M4**

MIF scaled E-field

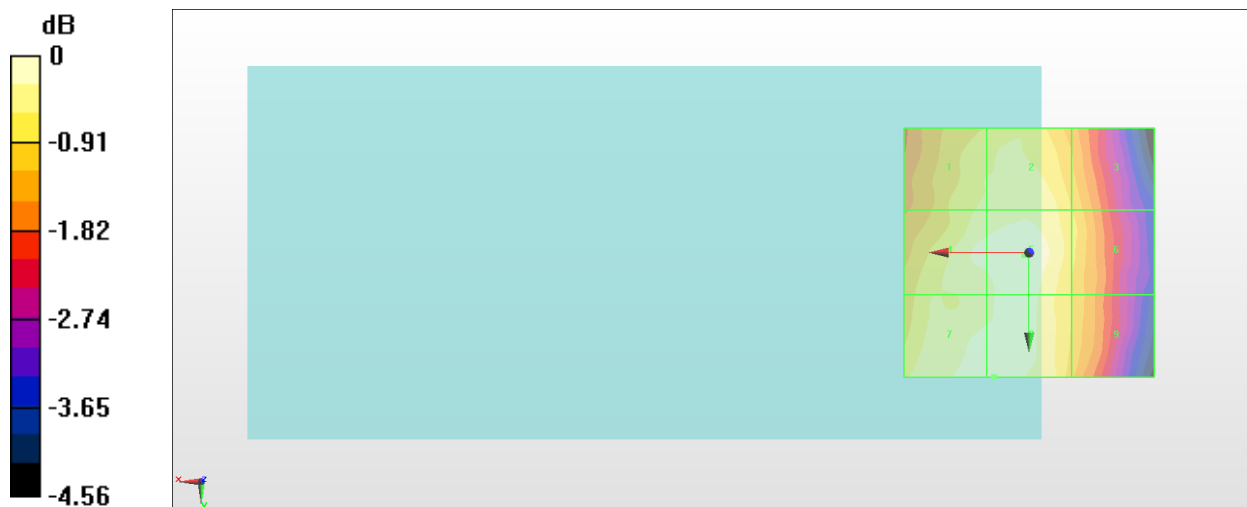
<b>Grid 1 M4</b> <b>27.82 dBV/m</b>	<b>Grid 2 M4</b> <b>27.97 dBV/m</b>	<b>Grid 3 M4</b> <b>27.46 dBV/m</b>
<b>Grid 4 M4</b> <b>28.17 dBV/m</b>	<b>Grid 5 M4</b> <b>28.24 dBV/m</b>	<b>Grid 6 M4</b> <b>27.58 dBV/m</b>
<b>Grid 7 M4</b> <b>28.34 dBV/m</b>	<b>Grid 8 M4</b> <b>28.35 dBV/m</b>	<b>Grid 9 M4</b> <b>27.46 dBV/m</b>

**Cursor:**

Total = 28.35 dBV/m

E Category: M4

Location: 7, 25, 8.7 mm



0 dB = 26.15 V/m = 28.35 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 = 23.32 V/m; Power Drift = 0.09 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.24 dBV/m

**Emission category: M4**

MIF scaled E-field

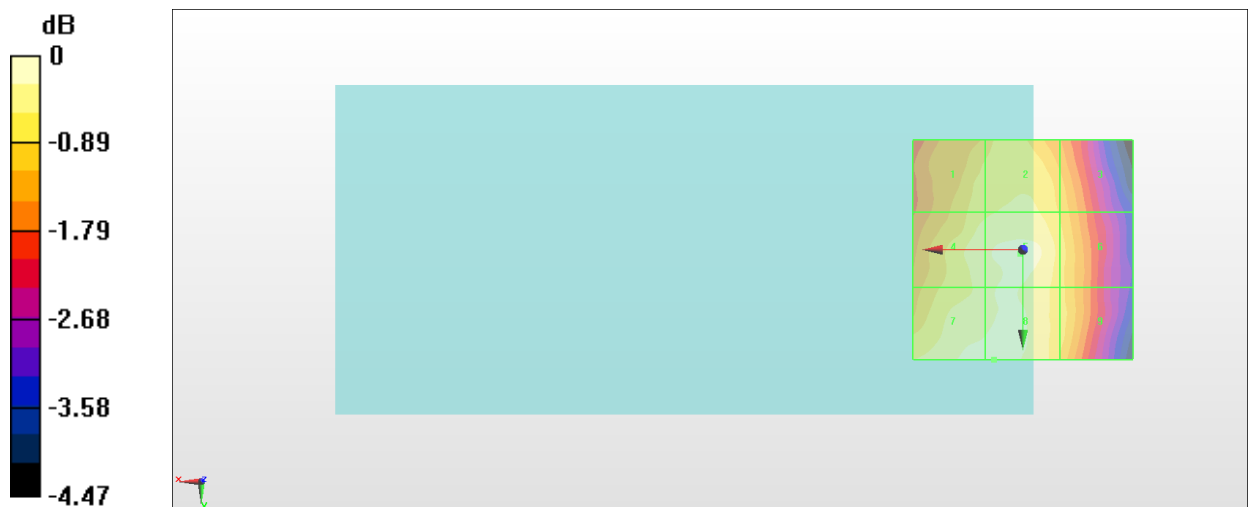
<b>Grid 1 M4</b> <b>27.61 dBV/m</b>	<b>Grid 2 M4</b> <b>27.74 dBV/m</b>	<b>Grid 3 M4</b> <b>27.31 dBV/m</b>
<b>Grid 4 M4</b> <b>27.91 dBV/m</b>	<b>Grid 5 M4</b> <b>28.07 dBV/m</b>	<b>Grid 6 M4</b> <b>27.52 dBV/m</b>
<b>Grid 7 M4</b> <b>28.23 dBV/m</b>	<b>Grid 8 M4</b> <b>28.24 dBV/m</b>	<b>Grid 9 M4</b> <b>27.53 dBV/m</b>

**Cursor:**

Total = 28.24 dBV/m

E Category: M4

Location: 6.5, 25, 8.7 mm



0 dB = 25.84 V/m = 28.25 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 = 21.43 V/m; Power Drift = 0.04 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.27 dBV/m

**Emission category: M4**

MIF scaled E-field

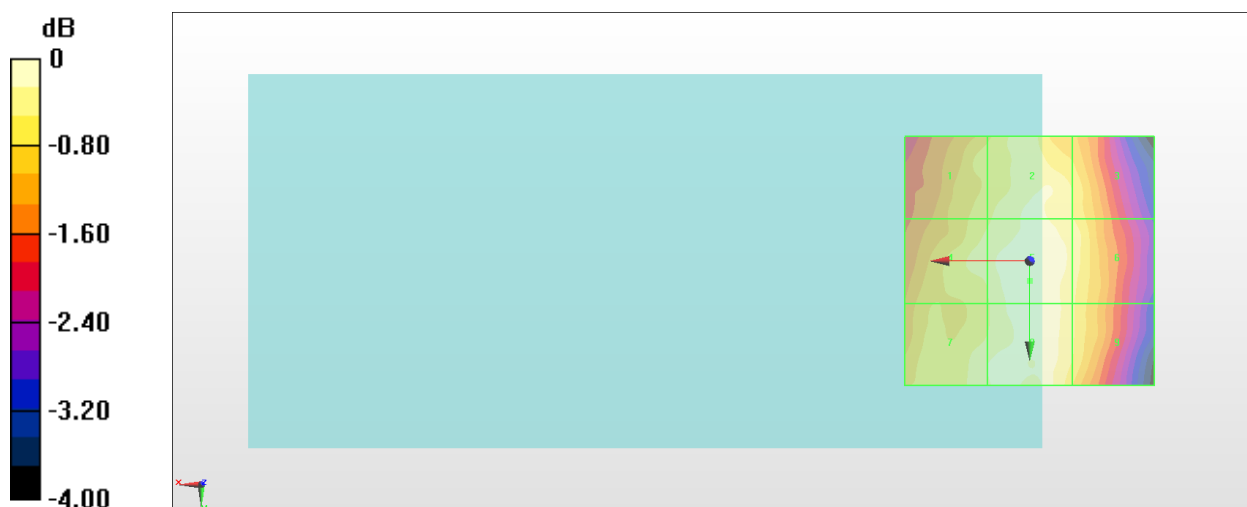
<b>Grid 1 M4</b> <b>26.69 dBV/m</b>	<b>Grid 2 M4</b> <b>27.06 dBV/m</b>	<b>Grid 3 M4</b> <b>26.78 dBV/m</b>
<b>Grid 4 M4</b> <b>26.97 dBV/m</b>	<b>Grid 5 M4</b> <b>27.27 dBV/m</b>	<b>Grid 6 M4</b> <b>26.93 dBV/m</b>
<b>Grid 7 M4</b> <b>27.01 dBV/m</b>	<b>Grid 8 M4</b> <b>27.17 dBV/m</b>	<b>Grid 9 M4</b> <b>26.8 dBV/m</b>

**Cursor:**

Total = 27.27 dBV/m

E Category: M4

Location: 0, 4, 8.7 mm



0 dB = 23.11 V/m = 27.28 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 = 8.364 V/m; Power Drift = 0.05 dB

Applied MIF = 3.26 dB

RF audio interference level = 23.52 dBV/m

**Emission category: M4**

MIF scaled E-field

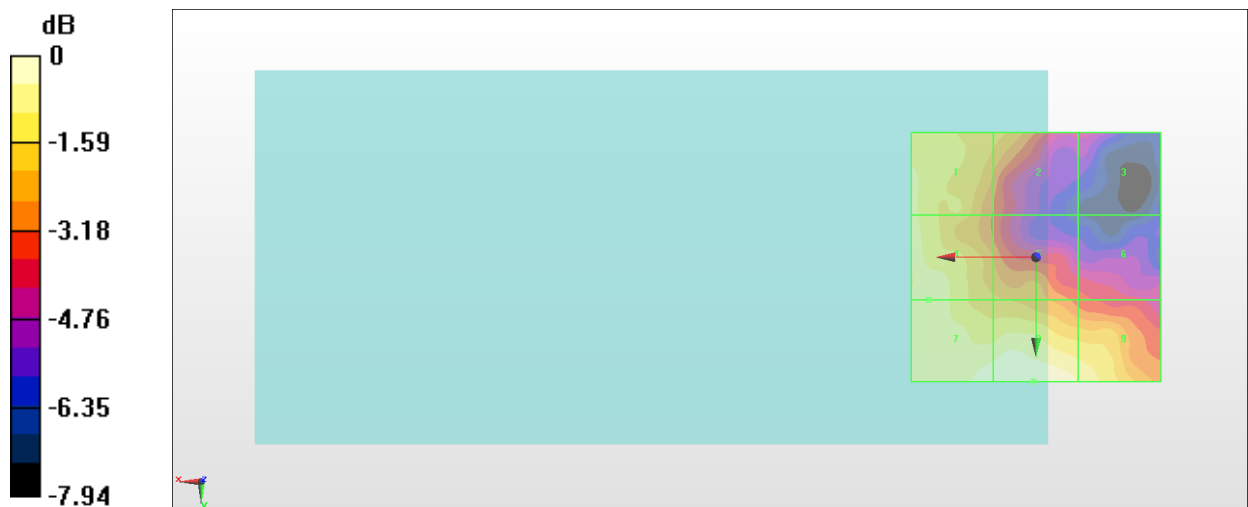
<b>Grid 1 M4</b> <b>22.72 dBV/m</b>	<b>Grid 2 M4</b> <b>21.56 dBV/m</b>	<b>Grid 3 M4</b> <b>19.22 dBV/m</b>
<b>Grid 4 M4</b> <b>22.93 dBV/m</b>	<b>Grid 5 M4</b> <b>21.54 dBV/m</b>	<b>Grid 6 M4</b> <b>20.09 dBV/m</b>
<b>Grid 7 M4</b> <b>23.52 dBV/m</b>	<b>Grid 8 M4</b> <b>23.52 dBV/m</b>	<b>Grid 9 M4</b> <b>22.97 dBV/m</b>

**Cursor:**

Total = 23.52 dBV/m

E Category: M4

Location: 0.5, 25, 8.7 mm



0 dB = 15.00 V/m = 23.52 dBV/m

### #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 = 8.055 V/m; Power Drift = 0.17 dB

Applied MIF = 3.26 dB

RF audio interference level = 23.15 dBV/m

**Emission category: M4**

MIF scaled E-field

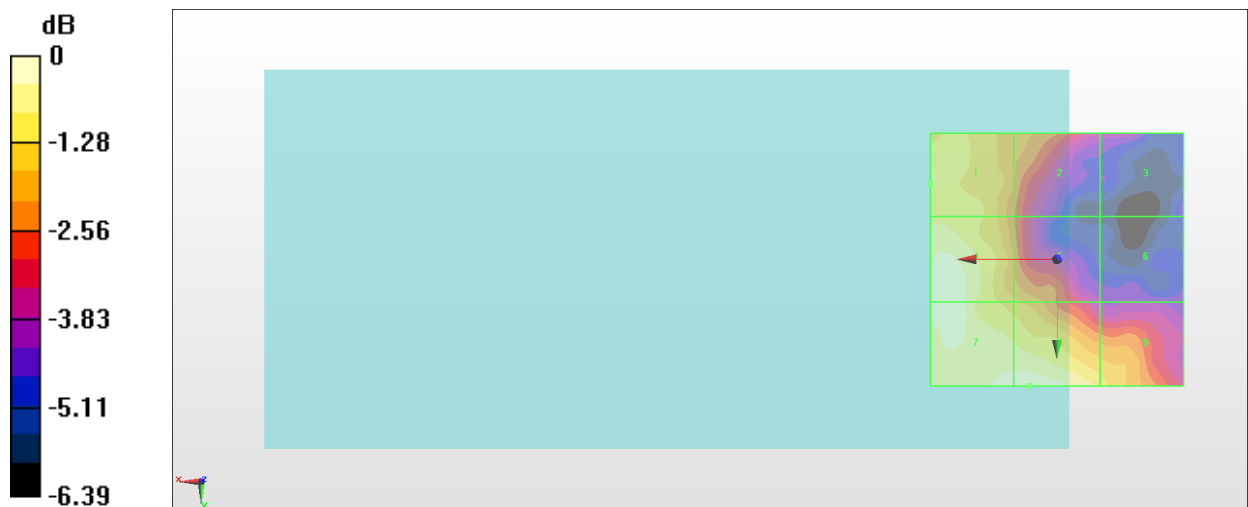
<b>Grid 1 M4</b> <b>22.38 dBV/m</b>	<b>Grid 2 M4</b> <b>21.26 dBV/m</b>	<b>Grid 3 M4</b> <b>19.38 dBV/m</b>
<b>Grid 4 M4</b> <b>23.07 dBV/m</b>	<b>Grid 5 M4</b> <b>21.58 dBV/m</b>	<b>Grid 6 M4</b> <b>18.99 dBV/m</b>
<b>Grid 7 M4</b> <b>23.07 dBV/m</b>	<b>Grid 8 M4</b> <b>23.15 dBV/m</b>	<b>Grid 9 M4</b> <b>22.06 dBV/m</b>

**Cursor:**

Total = 23.15 dBV/m

E Category: M4

Location: 5.5, 25, 8.7 mm



0 dB = 14.36 V/m = 23.14 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 = 8.305 V/m; Power Drift = -0.04 dB

Applied MIF = 3.26 dB

RF audio interference level = 23.08 dBV/m

**Emission category: M4**

MIF scaled E-field

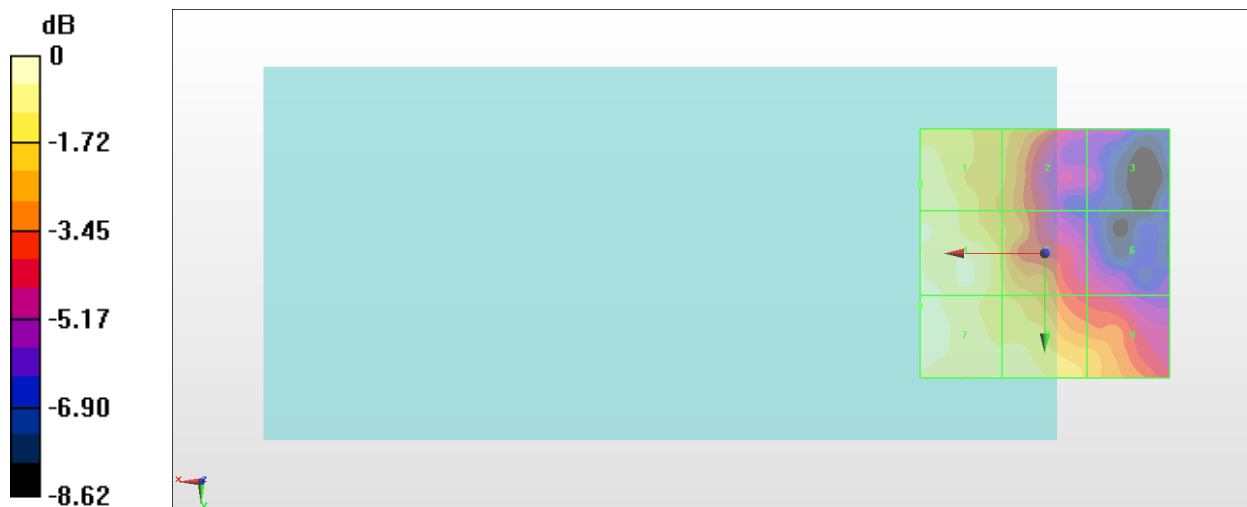
Grid 1 <b>M4</b> <b>22.43 dBV/m</b>	Grid 2 <b>M4</b> <b>20.94 dBV/m</b>	Grid 3 <b>M4</b> <b>18.1 dBV/m</b>
Grid 4 <b>M4</b> <b>22.98 dBV/m</b>	Grid 5 <b>M4</b> <b>21.47 dBV/m</b>	Grid 6 <b>M4</b> <b>18.76 dBV/m</b>
Grid 7 <b>M4</b> <b>23.08 dBV/m</b>	Grid 8 <b>M4</b> <b>22.53 dBV/m</b>	Grid 9 <b>M4</b> <b>21.19 dBV/m</b>

**Cursor:**

Total = 23.08 dBV/m

E Category: M4

Location: 25, 10.5, 8.7 mm



0 dB = 14.25 V/m = 23.08 dBV/m

### #13\_HAC\_E\_CDMA BC10\_1xRTT, RC1 SO3, 1/8th 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 = 23.97 V/m; Power Drift = -0.02 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.36 dBV/m

**Emission category: M4**

MIF scaled E-field

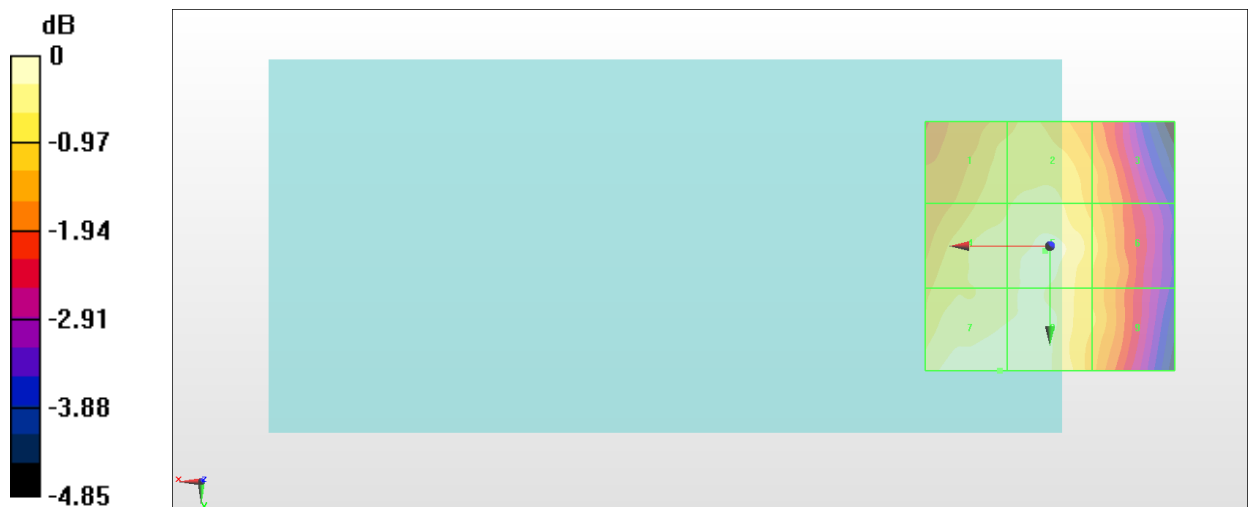
<b>Grid 1 M4</b> <b>27.69 dBV/m</b>	<b>Grid 2 M4</b> <b>27.85 dBV/m</b>	<b>Grid 3 M4</b> <b>27.24 dBV/m</b>
<b>Grid 4 M4</b> <b>28.02 dBV/m</b>	<b>Grid 5 M4</b> <b>28.15 dBV/m</b>	<b>Grid 6 M4</b> <b>27.53 dBV/m</b>
<b>Grid 7 M4</b> <b>28.36 dBV/m</b>	<b>Grid 8 M4</b> <b>28.35 dBV/m</b>	<b>Grid 9 M4</b> <b>27.45 dBV/m</b>

**Cursor:**

Total = 28.36 dBV/m

E Category: M4

Location: 10, 25, 8.7 mm



0 dB = 26.17 V/m = 28.36 dBV/m

### #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 = 23.88 V/m; Power Drift = 0.09 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.38 dBV/m

**Emission category: M4**

MIF scaled E-field

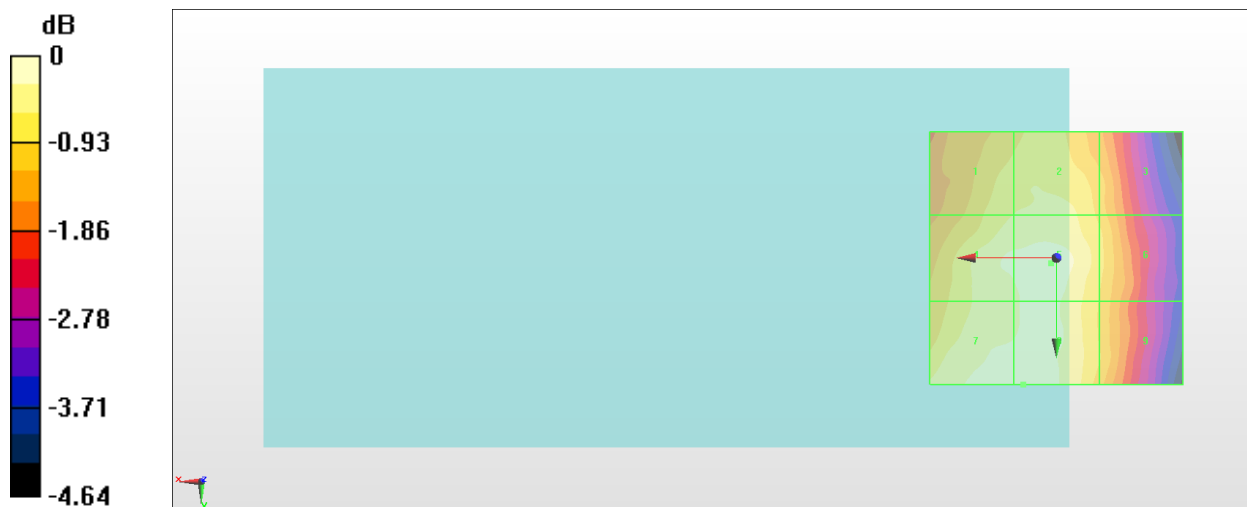
<b>Grid 1 M4</b> <b>27.77 dBV/m</b>	<b>Grid 2 M4</b> <b>27.88 dBV/m</b>	<b>Grid 3 M4</b> <b>27.36 dBV/m</b>
<b>Grid 4 M4</b> <b>28.13 dBV/m</b>	<b>Grid 5 M4</b> <b>28.23 dBV/m</b>	<b>Grid 6 M4</b> <b>27.58 dBV/m</b>
<b>Grid 7 M4</b> <b>28.36 dBV/m</b>	<b>Grid 8 M4</b> <b>28.38 dBV/m</b>	<b>Grid 9 M4</b> <b>27.48 dBV/m</b>

**Cursor:**

Total = 28.38 dBV/m

E Category: M4

Location: 6.5, 25, 8.7 mm



0 dB = 26.24 V/m = 28.38 dBV/m

### #15\_HAC\_E\_CDMA BC10\_1xRTT, RC1 SO3, 18th 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 = 24.42 V/m; Power Drift = -0.06 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.39 dBV/m

**Emission category: M4**

MIF scaled E-field

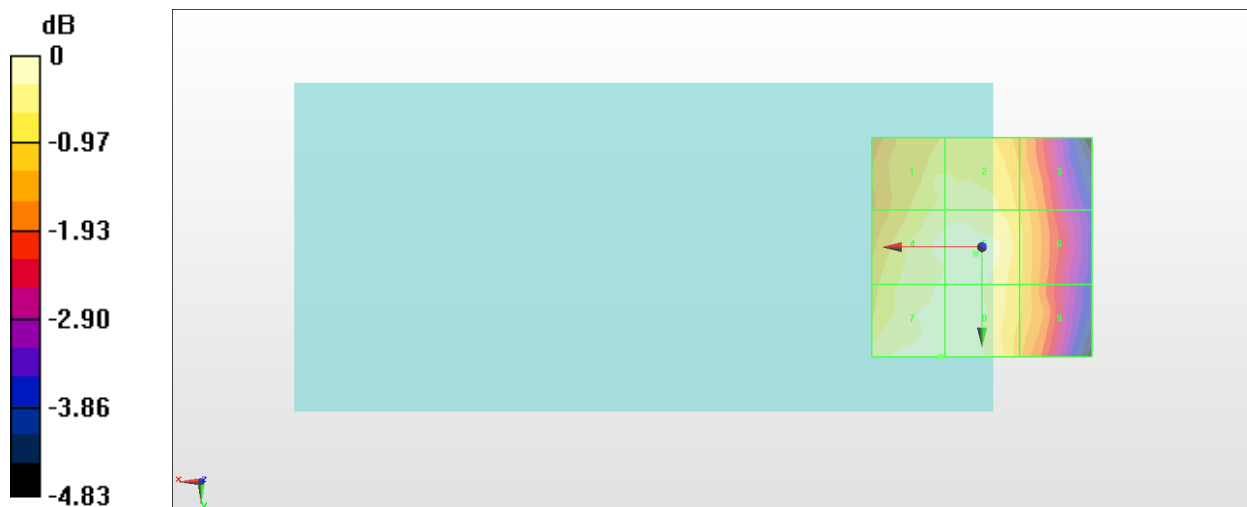
<b>Grid 1 M4</b> <b>27.88 dBV/m</b>	<b>Grid 2 M4</b> <b>27.97 dBV/m</b>	<b>Grid 3 M4</b> <b>27.38 dBV/m</b>
<b>Grid 4 M4</b> <b>28.16 dBV/m</b>	<b>Grid 5 M4</b> <b>28.29 dBV/m</b>	<b>Grid 6 M4</b> <b>27.54 dBV/m</b>
<b>Grid 7 M4</b> <b>28.39 dBV/m</b>	<b>Grid 8 M4</b> <b>28.38 dBV/m</b>	<b>Grid 9 M4</b> <b>27.5 dBV/m</b>

**Cursor:**

Total = 28.39 dBV/m

E Category: M4

Location: 9.5, 25, 8.7 mm



0 dB = 26.28 V/m = 28.39 dBV/m

### #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 = 10.58 V/m; Power Drift = 0.09 dB

Applied MIF = -1.62 dB

RF audio interference level = 20.33 dBV/m

**Emission category: M4**

MIF scaled E-field

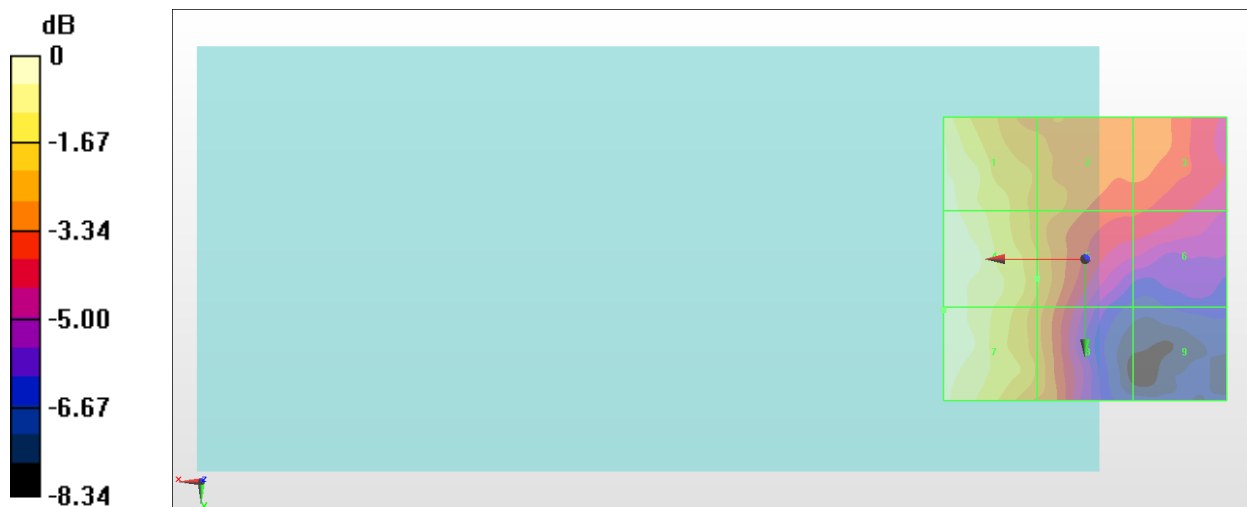
<b>Grid 1 M4</b> <b>20.2 dBV/m</b>	<b>Grid 2 M4</b> <b>18.01 dBV/m</b>	<b>Grid 3 M4</b> <b>17.55 dBV/m</b>
<b>Grid 4 M4</b> <b>20.33 dBV/m</b>	<b>Grid 5 M4</b> <b>18.22 dBV/m</b>	<b>Grid 6 M4</b> <b>16.54 dBV/m</b>
<b>Grid 7 M4</b> <b>20.33 dBV/m</b>	<b>Grid 8 M4</b> <b>18.03 dBV/m</b>	<b>Grid 9 M4</b> <b>13.92 dBV/m</b>

**Cursor:**

Total = 20.33 dBV/m

E Category: M4

Location: 25, 9, 8.7 mm



0 dB = 10.39 V/m = 20.33 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 = 9.866 V/m; Power Drift = 0.07 dB

Applied MIF = -1.62 dB

RF audio interference level = 20.28 dBV/m

**Emission category: M4**

MIF scaled E-field

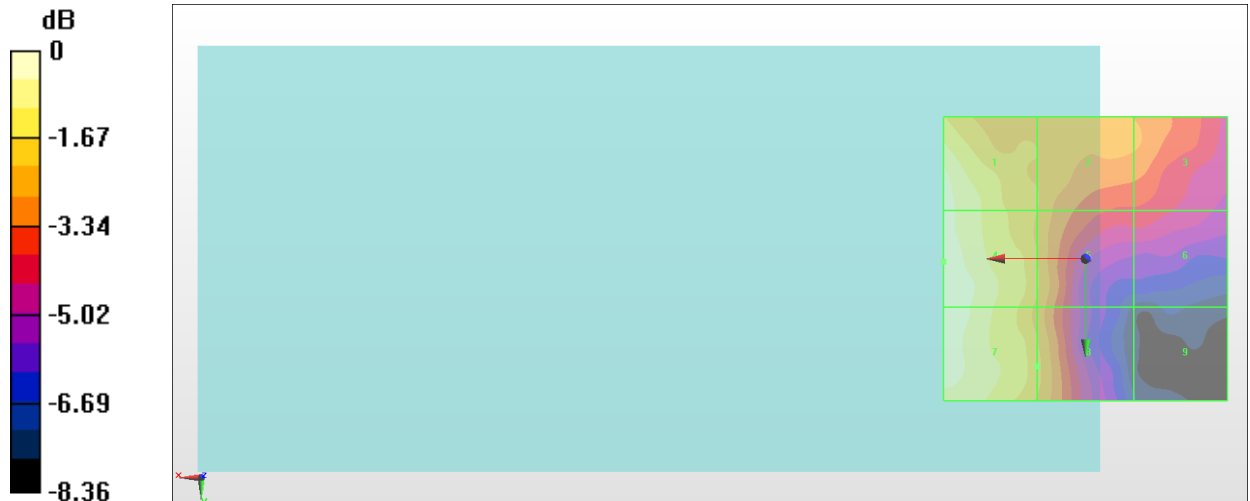
Grid 1 <b>M4</b> <b>19.92 dBV/m</b>	Grid 2 <b>M4</b> <b>18.12 dBV/m</b>	Grid 3 <b>M4</b> <b>17.61 dBV/m</b>
Grid 4 <b>M4</b> <b>20.28 dBV/m</b>	Grid 5 <b>M4</b> <b>18.13 dBV/m</b>	Grid 6 <b>M4</b> <b>16.3 dBV/m</b>
Grid 7 <b>M4</b> <b>20.17 dBV/m</b>	Grid 8 <b>M4</b> <b>18.23 dBV/m</b>	Grid 9 <b>M4</b> <b>13.21 dBV/m</b>

**Cursor:**

Total = 20.28 dBV/m

E Category: M4

Location: 25, 0.5, 8.7 mm



0 dB = 10.33 V/m = 20.28 dBV/m

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

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2593 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) @ 2593 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 = 10.47 V/m; Power Drift = 0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 20.26 dBV/m

**Emission category: M4**

MIF scaled E-field

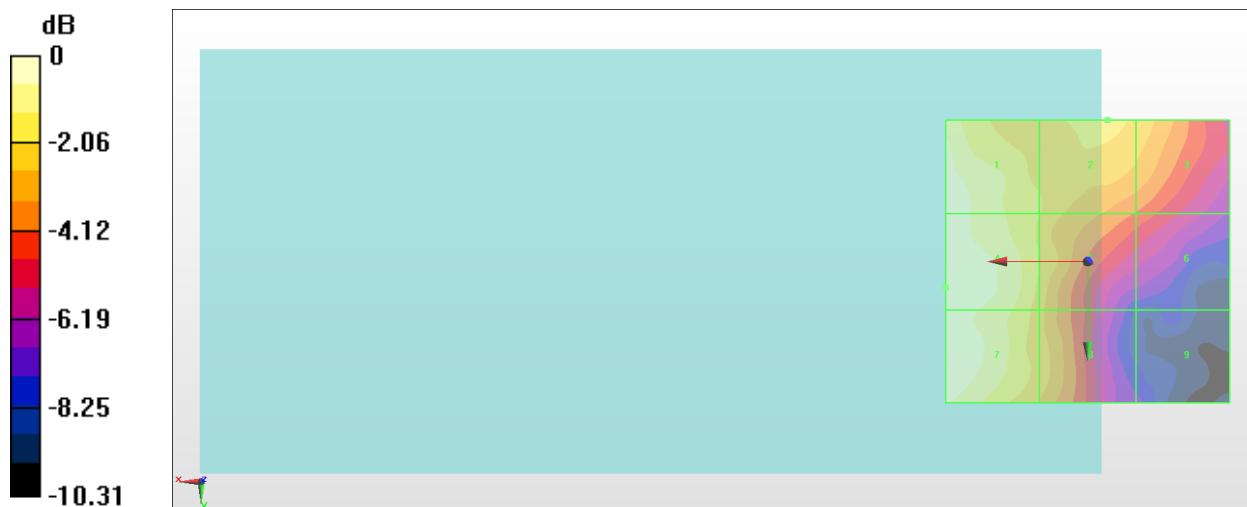
<b>Grid 1 M4</b> <b>20.2 dBV/m</b>	<b>Grid 2 M4</b> <b>18.39 dBV/m</b>	<b>Grid 3 M4</b> <b>18.04 dBV/m</b>
<b>Grid 4 M4</b> <b>20.26 dBV/m</b>	<b>Grid 5 M4</b> <b>18.22 dBV/m</b>	<b>Grid 6 M4</b> <b>16.09 dBV/m</b>
<b>Grid 7 M4</b> <b>20.08 dBV/m</b>	<b>Grid 8 M4</b> <b>17.9 dBV/m</b>	<b>Grid 9 M4</b> <b>12.97 dBV/m</b>

**Cursor:**

Total = 20.26 dBV/m

E Category: M4

Location: 25, 4.5, 8.7 mm



0 dB = 10.30 V/m = 20.26 dBV/m

### #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 = 11.05 V/m; Power Drift = 0.03 dB

Applied MIF = -1.62 dB

RF audio interference level = 20.26 dBV/m

**Emission category: M4**

MIF scaled E-field

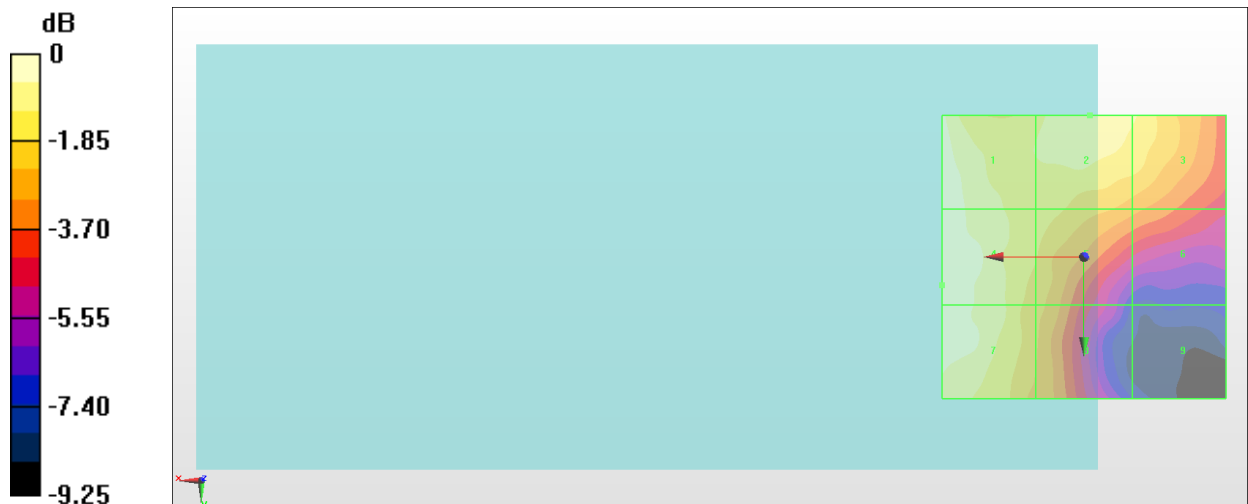
Grid 1 <b>M4</b> <b>20.19 dBV/m</b>	Grid 2 <b>M4</b> <b>19.54 dBV/m</b>	Grid 3 <b>M4</b> <b>19.13 dBV/m</b>
Grid 4 <b>M4</b> <b>20.26 dBV/m</b>	Grid 5 <b>M4</b> <b>18.73 dBV/m</b>	Grid 6 <b>M4</b> <b>17.43 dBV/m</b>
Grid 7 <b>M4</b> <b>20.2 dBV/m</b>	Grid 8 <b>M4</b> <b>18.01 dBV/m</b>	Grid 9 <b>M4</b> <b>13.18 dBV/m</b>

**Cursor:**

Total = 20.26 dBV/m

E Category: M4

Location: 25, 5, 8.7 mm



0 dB = 10.30 V/m = 20.26 dBV/m

### #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 = 11.00 V/m; Power Drift = -0.07 dB

Applied MIF = -1.62 dB

RF audio interference level = 20.35 dBV/m

**Emission category: M4**

MIF scaled E-field

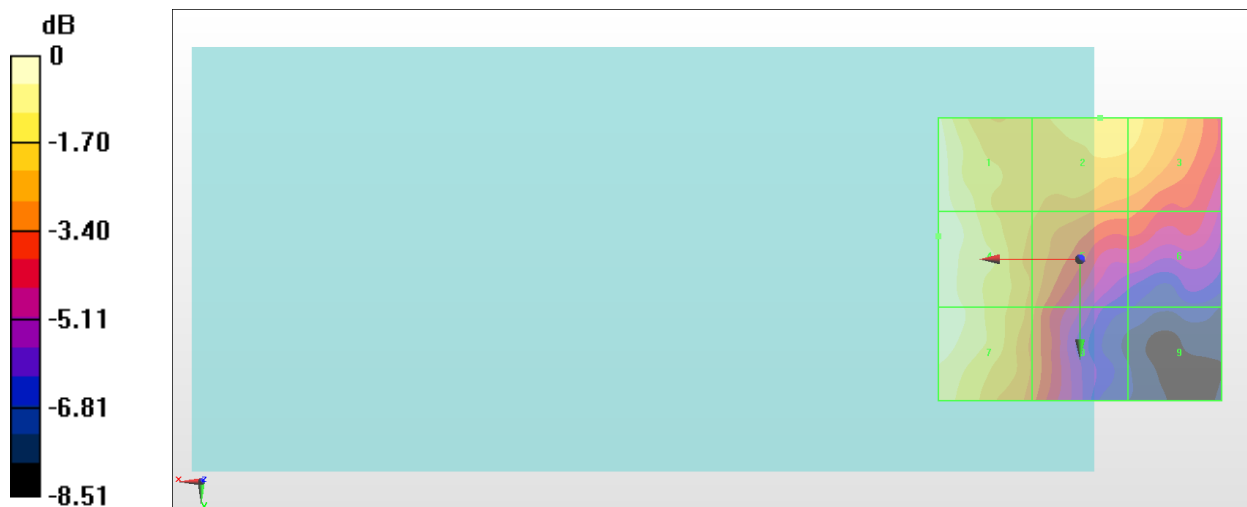
Grid 1 <b>M4</b> <b>20.27 dBV/m</b>	Grid 2 <b>M4</b> <b>19.17 dBV/m</b>	Grid 3 <b>M4</b> <b>18.96 dBV/m</b>
Grid 4 <b>M4</b> <b>20.35 dBV/m</b>	Grid 5 <b>M4</b> <b>18.24 dBV/m</b>	Grid 6 <b>M4</b> <b>17.13 dBV/m</b>
Grid 7 <b>M4</b> <b>20.2 dBV/m</b>	Grid 8 <b>M4</b> <b>17.73 dBV/m</b>	Grid 9 <b>M4</b> <b>13.63 dBV/m</b>

**Cursor:**

Total = 20.35 dBV/m

E Category: M4

Location: 25, -4, 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 = 10.72 V/m; Power Drift = 0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 20.31 dBV/m

**Emission category: M4**

MIF scaled E-field

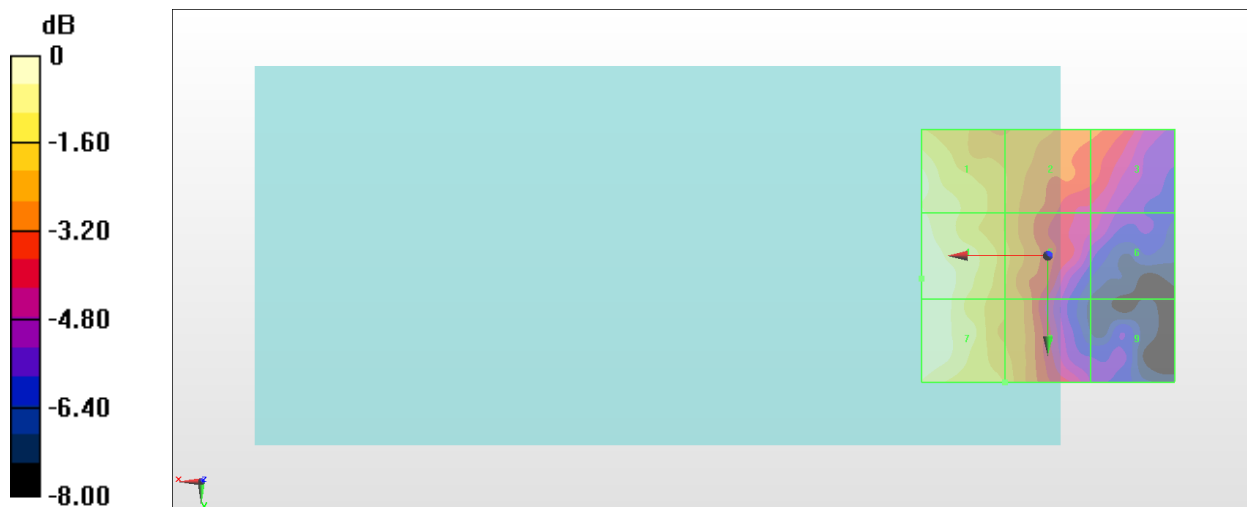
Grid 1 <b>M4</b> <b>20.12 dBV/m</b>	Grid 2 <b>M4</b> <b>18.28 dBV/m</b>	Grid 3 <b>M4</b> <b>17.3 dBV/m</b>
Grid 4 <b>M4</b> <b>20.31 dBV/m</b>	Grid 5 <b>M4</b> <b>18.42 dBV/m</b>	Grid 6 <b>M4</b> <b>15.88 dBV/m</b>
Grid 7 <b>M4</b> <b>20.18 dBV/m</b>	Grid 8 <b>M4</b> <b>18.66 dBV/m</b>	Grid 9 <b>M4</b> <b>14.94 dBV/m</b>

**Cursor:**

Total = 20.31 dBV/m

E Category: M4

Location: 25, 4.5, 8.7 mm



0 dB = 10.37 V/m = 20.32 dBV/m

## #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 = 8.854 V/m; Power Drift = 0.01 dB

Applied MIF = -1.62 dB

RF audio interference level = 18.39 dBV/m

**Emission category: M4**

MIF scaled E-field

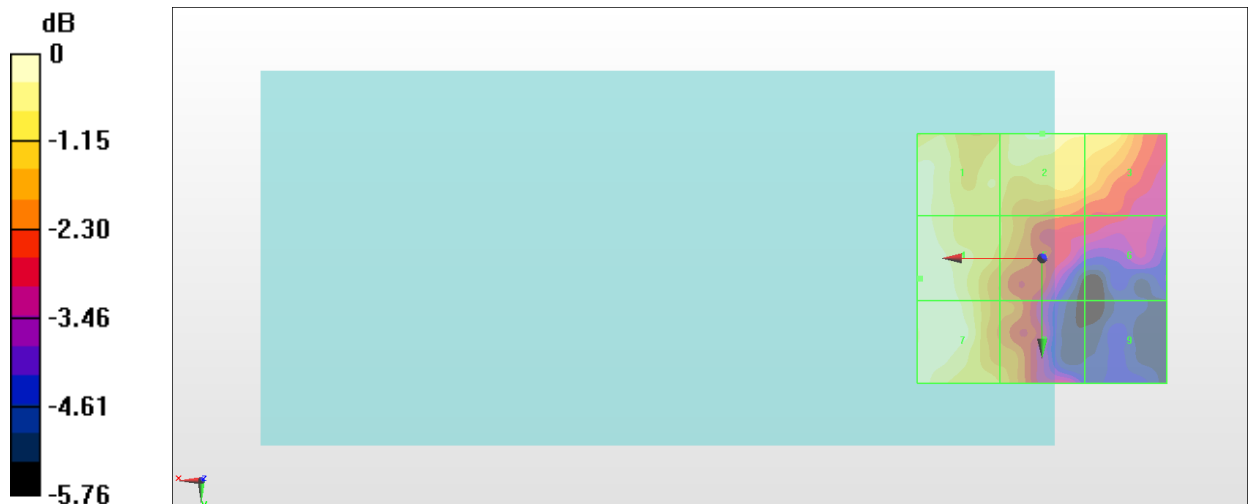
Grid 1 <b>M4</b> <b>18.39 dBV/m</b>	Grid 2 <b>M4</b> <b>18.16 dBV/m</b>	Grid 3 <b>M4</b> <b>17.69 dBV/m</b>
Grid 4 <b>M4</b> <b>18.39 dBV/m</b>	Grid 5 <b>M4</b> <b>17.35 dBV/m</b>	Grid 6 <b>M4</b> <b>15.8 dBV/m</b>
Grid 7 <b>M4</b> <b>18.37 dBV/m</b>	Grid 8 <b>M4</b> <b>17.26 dBV/m</b>	Grid 9 <b>M4</b> <b>14.17 dBV/m</b>

**Cursor:**

Total = 18.39 dBV/m

E Category: M4

Location: 24.5, 4, 8.7 mm



0 dB = 8.312 V/m = 18.39 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: 2593 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) @ 2593 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 = 9.726 V/m; Power Drift = 0.05 dB

Applied MIF = -1.62 dB

RF audio interference level = 19.15 dBV/m

**Emission category: M4**

MIF scaled E-field

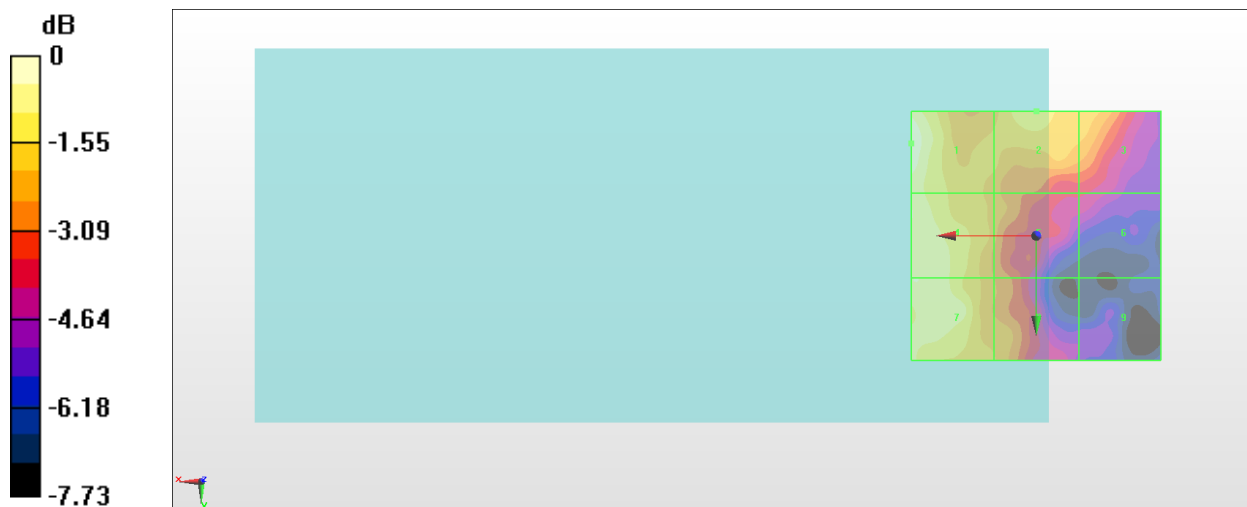
Grid 1 <b>M4</b> <b>19.15 dBV/m</b>	Grid 2 <b>M4</b> <b>18.04 dBV/m</b>	Grid 3 <b>M4</b> <b>17.53 dBV/m</b>
Grid 4 <b>M4</b> <b>18.67 dBV/m</b>	Grid 5 <b>M4</b> <b>16.91 dBV/m</b>	Grid 6 <b>M4</b> <b>15.16 dBV/m</b>
Grid 7 <b>M4</b> <b>18.64 dBV/m</b>	Grid 8 <b>M4</b> <b>17.17 dBV/m</b>	Grid 9 <b>M4</b> <b>14.04 dBV/m</b>

**Cursor:**

Total = 19.15 dBV/m

E Category: M4

Location: 25, -18.5, 8.7 mm



0 dB = 9.065 V/m = 19.15 dBV/m

### #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 = 10.69 V/m; Power Drift = 0.03 dB

Applied MIF = -1.62 dB

RF audio interference level = 19.84 dBV/m

**Emission category: M4**

MIF scaled E-field

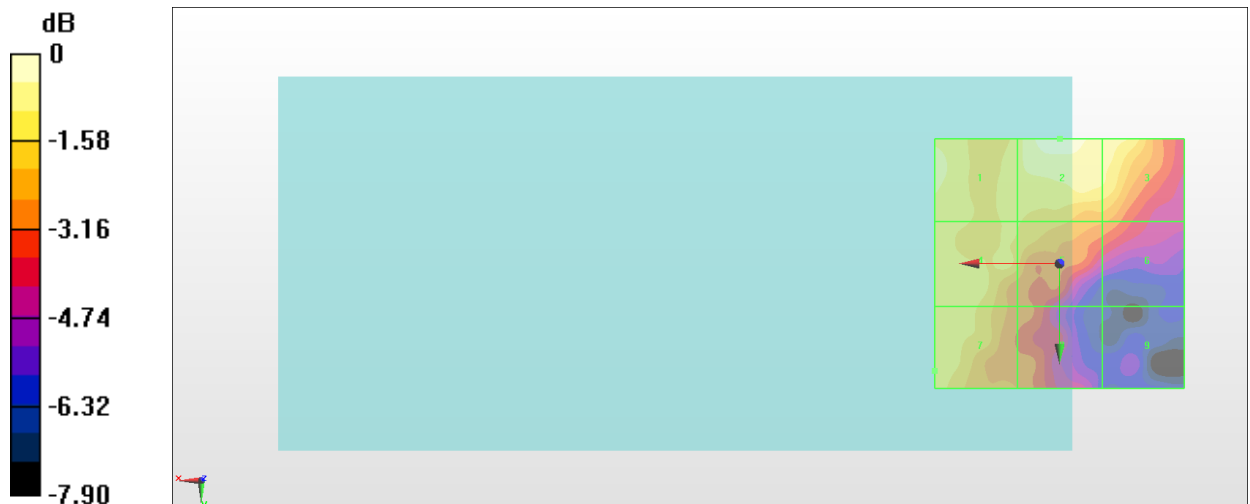
Grid 1 <b>M4</b> <b>19.08 dBV/m</b>	Grid 2 <b>M4</b> <b>19.84 dBV/m</b>	Grid 3 <b>M4</b> <b>19.18 dBV/m</b>
Grid 4 <b>M4</b> <b>18.74 dBV/m</b>	Grid 5 <b>M4</b> <b>18.3 dBV/m</b>	Grid 6 <b>M4</b> <b>17.33 dBV/m</b>
Grid 7 <b>M4</b> <b>18.76 dBV/m</b>	Grid 8 <b>M4</b> <b>17.22 dBV/m</b>	Grid 9 <b>M4</b> <b>14.51 dBV/m</b>

**Cursor:**

Total = 19.84 dBV/m

E Category: M4

Location: 0, -25, 8.7 mm



0 dB = 9.819 V/m = 19.84 dBV/m



### #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 = 10.20 V/m; Power Drift = 0.13 dB

Applied MIF = -1.62 dB

RF audio interference level = 19.80 dBV/m

**Emission category: M4**

MIF scaled E-field

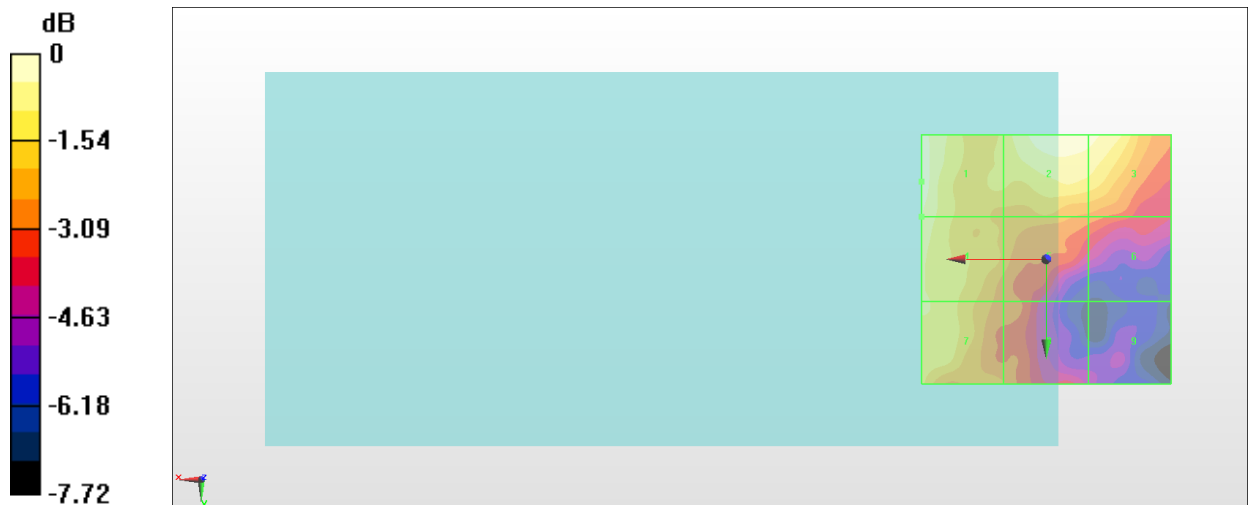
<b>Grid 1 M4</b> <b>19.8 dBV/m</b>	<b>Grid 2 M4</b> <b>19.77 dBV/m</b>	<b>Grid 3 M4</b> <b>19.48 dBV/m</b>
<b>Grid 4 M4</b> <b>19.31 dBV/m</b>	<b>Grid 5 M4</b> <b>17.66 dBV/m</b>	<b>Grid 6 M4</b> <b>17.06 dBV/m</b>
<b>Grid 7 M4</b> <b>18.87 dBV/m</b>	<b>Grid 8 M4</b> <b>17.3 dBV/m</b>	<b>Grid 9 M4</b> <b>14.97 dBV/m</b>

**Cursor:**

Total = 19.80 dBV/m

E Category: M4

Location: 25, -15.5, 8.7 mm



0 dB = 9.771 V/m = 19.80 dBV/m

## #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 : 23.5 °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 = 64.03 V/m; Power Drift = -0.07 dB

Applied MIF = 0.12 dB

RF audio interference level = 32.89 dBV/m

**Emission category: M3**

MIF scaled E-field

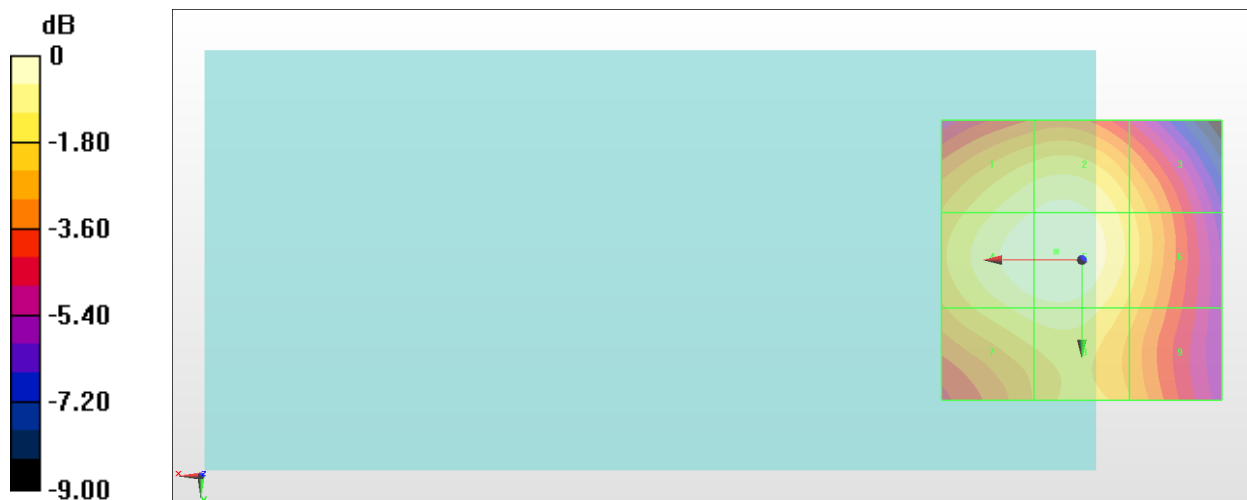
Grid 1 <b>M3</b> <b>32.33 dBV/m</b>	Grid 2 <b>M3</b> <b>32.53 dBV/m</b>	Grid 3 <b>M3</b> <b>31.27 dBV/m</b>
Grid 4 <b>M3</b> <b>32.78 dBV/m</b>	Grid 5 <b>M3</b> <b>32.89 dBV/m</b>	Grid 6 <b>M3</b> <b>31.53 dBV/m</b>
Grid 7 <b>M3</b> <b>32.02 dBV/m</b>	Grid 8 <b>M3</b> <b>32.16 dBV/m</b>	Grid 9 <b>M3</b> <b>30.86 dBV/m</b>

**Cursor:**

Total = 32.89 dBV/m

E Category: M3

Location: 4.5, -1.5, 8.7 mm



0 dB = 44.10 V/m = 32.89 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 : 23.5 °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 = 53.08 V/m; Power Drift = 0.00 dB

Applied MIF = 0.12 dB

RF audio interference level = 31.69 dBV/m

**Emission category: M3**

MIF scaled E-field

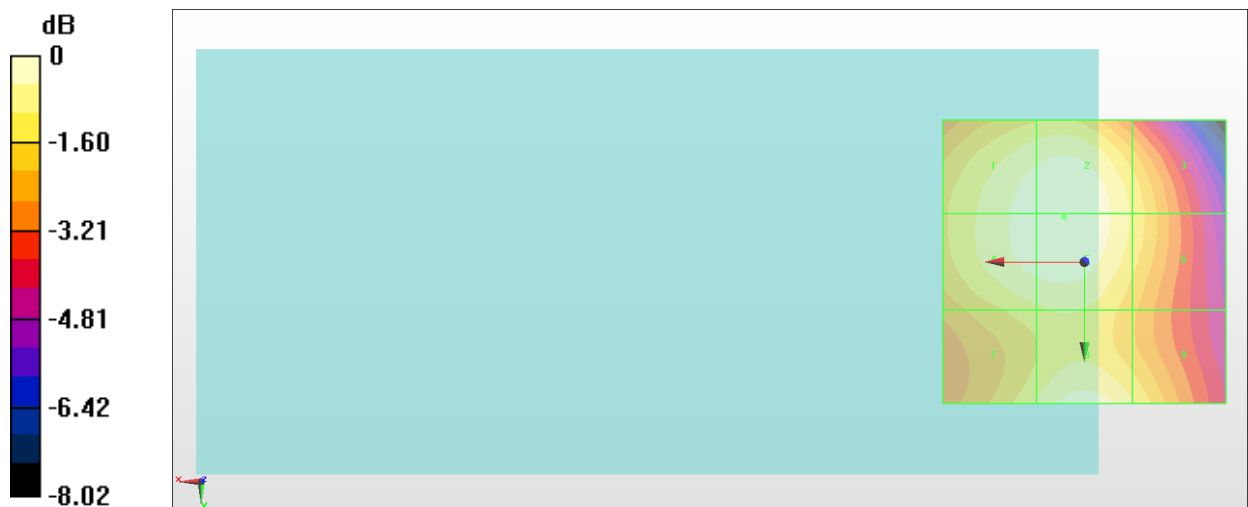
Grid 1 <b>M3</b> <b>31.48 dBV/m</b>	Grid 2 <b>M3</b> <b>31.69 dBV/m</b>	Grid 3 <b>M3</b> <b>30.54 dBV/m</b>
Grid 4 <b>M3</b> <b>31.49 dBV/m</b>	Grid 5 <b>M3</b> <b>31.69 dBV/m</b>	Grid 6 <b>M3</b> <b>30.54 dBV/m</b>
Grid 7 <b>M3</b> <b>30.71 dBV/m</b>	Grid 8 <b>M3</b> <b>31.47 dBV/m</b>	Grid 9 <b>M3</b> <b>30.69 dBV/m</b>

**Cursor:**

Total = 31.69 dBV/m

E Category: M3

Location: 3.5, -8, 8.7 mm



0 dB = 38.43 V/m = 31.69 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 : 23.5 °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 = 47.65 V/m; Power Drift = 0.00 dB

Applied MIF = 0.12 dB

RF audio interference level = 32.67 dBV/m

**Emission category: M3**

MIF scaled E-field

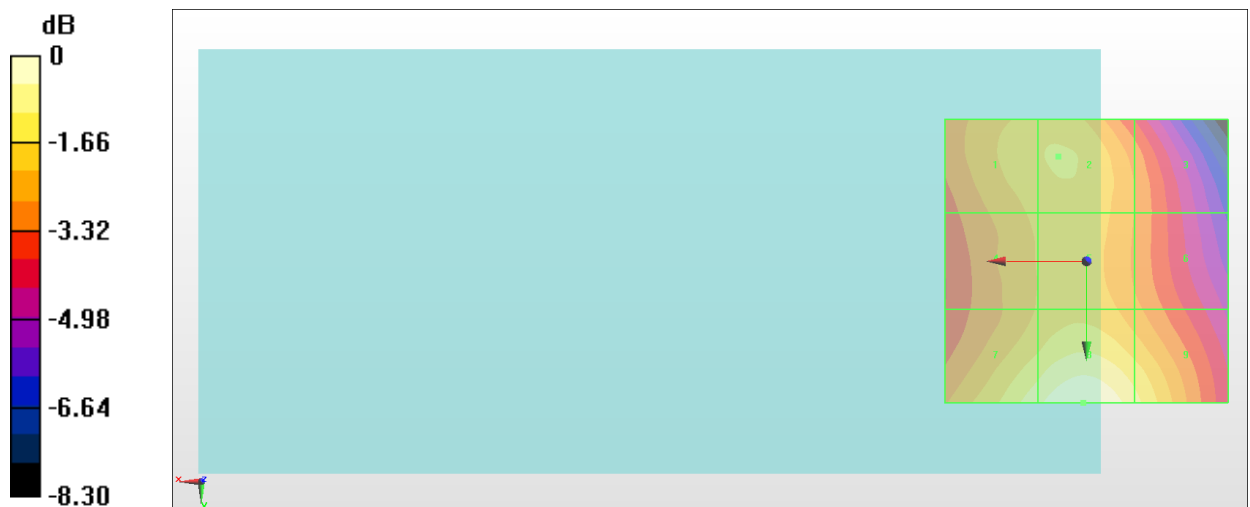
Grid 1 <b>M3</b> <b>30.97 dBV/m</b>	Grid 2 <b>M3</b> <b>31.07 dBV/m</b>	Grid 3 <b>M4</b> <b>29.91 dBV/m</b>
Grid 4 <b>M3</b> <b>30.6 dBV/m</b>	Grid 5 <b>M3</b> <b>30.86 dBV/m</b>	Grid 6 <b>M3</b> <b>30.1 dBV/m</b>
Grid 7 <b>M3</b> <b>32 dBV/m</b>	Grid 8 <b>M3</b> <b>32.67 dBV/m</b>	Grid 9 <b>M3</b> <b>31.77 dBV/m</b>

**Cursor:**

Total = 32.67 dBV/m

E Category: M3

Location: 0.5, 25, 8.7 mm



0 dB = 42.98 V/m = 32.67 dBV/m