

**#01\_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: 1:8.33105

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) @ 2506 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 13.30 V/m; Power Drift = 0.03 dB

Applied MIF = -1.62 dB

RF audio interference level = 27.54 dBV/m

**Emission category: M4**

MIF scaled E-field

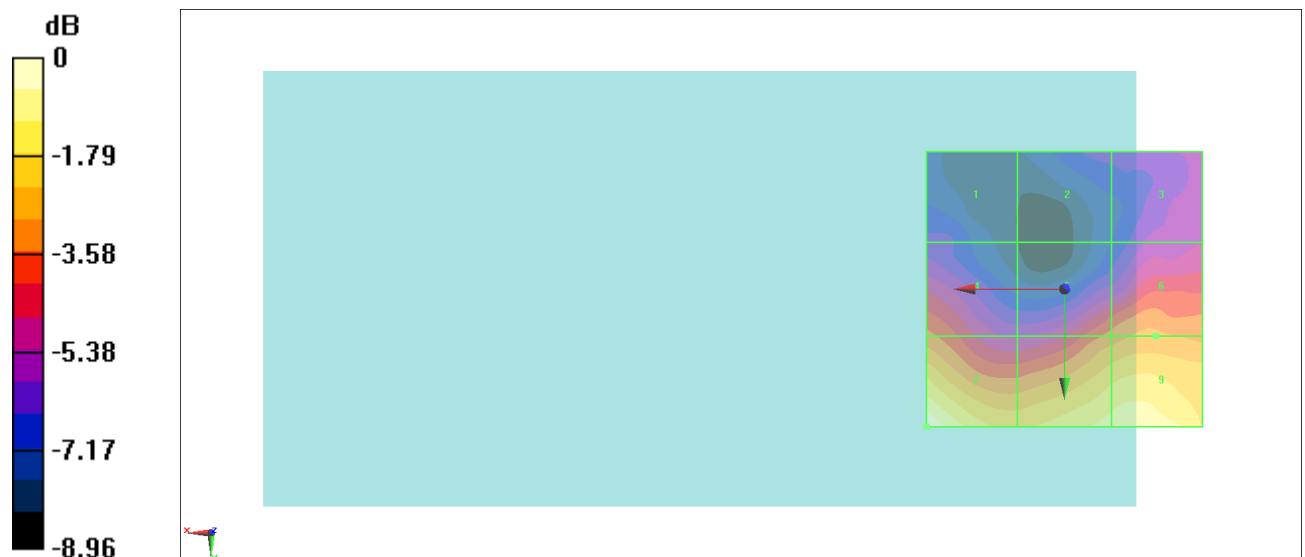
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.21 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.24 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.18 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.2 dBV/m</b>  | Grid 5 <b>M4</b><br><b>24.21 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.69 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.54 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.57 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.64 dBV/m</b> |

**Cursor:**

Total = 27.54 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 23.83 V/m = 27.54 dBV/m

**#02\_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: 1:8.33105

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) @ 2549.5 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 20.36 V/m; Power Drift = -0.05 dB

Applied MIF = -1.62 dB

RF audio interference level = 30.99 dBV/m

**Emission category: M3**

MIF scaled E-field

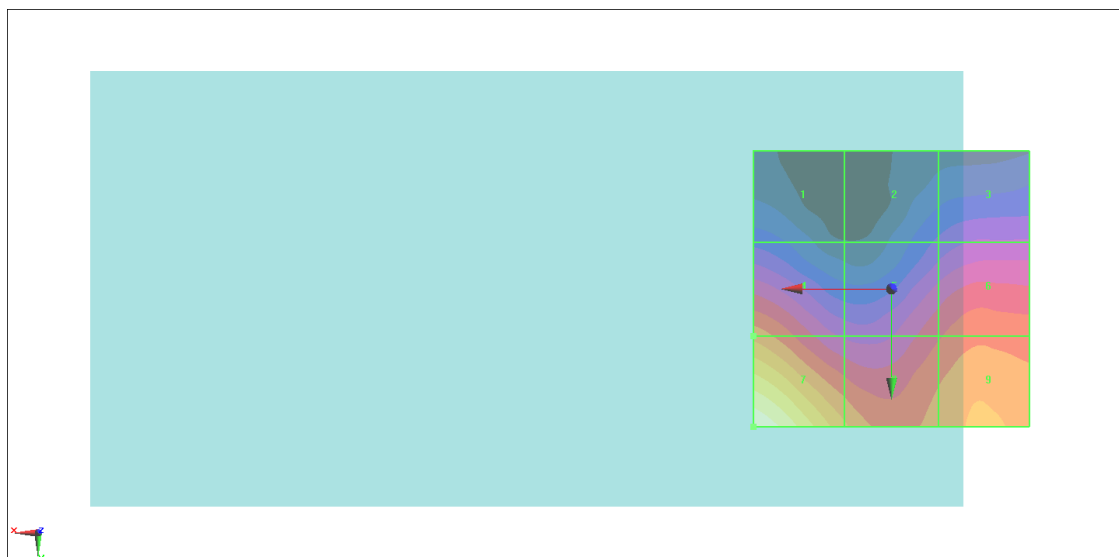
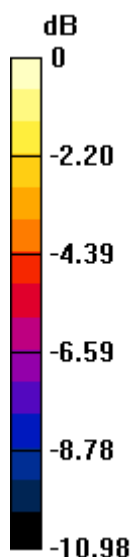
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.76 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.15 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.81 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.12 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.79 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.46 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>30.99 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.53 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.43 dBV/m</b> |

**Cursor:**

Total = 30.99 dBV/m

E Category: M3

Location: 25, 25, 8.7 mm



0 dB = 35.46 V/m = 30.99 dBV/m

**#03\_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: 1:8.33105

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) @ 2593 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 21.73 V/m; Power Drift = -0.18 dB

Applied MIF = -1.62 dB

RF audio interference level = 30.56 dBV/m

**Emission category: M3**

MIF scaled E-field

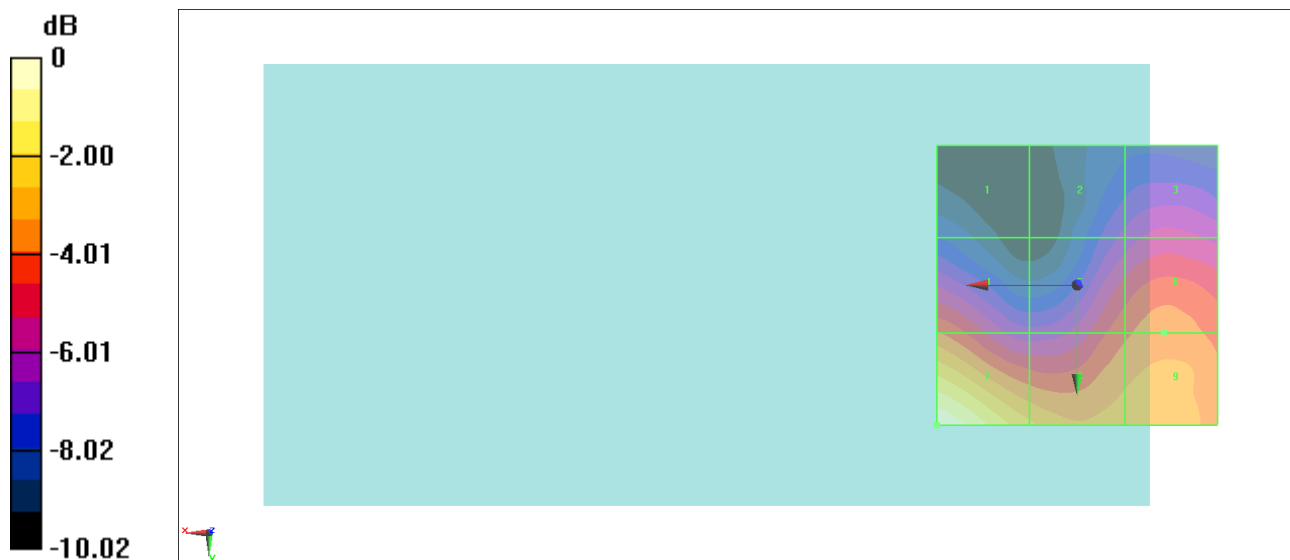
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.6 dBV/m</b>  | Grid 2 <b>M4</b><br><b>24.17 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.86 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.64 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.41 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.94 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>30.56 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.07 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.71 dBV/m</b> |

**Cursor:**

Total = 30.56 dBV/m

E Category: M3

Location: 25, 25, 8.7 mm



0 dB = 33.74 V/m = 30.56 dBV/m

**#04\_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: 1:8.33105

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) @ 2636.5 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 19.50 V/m; Power Drift = -0.01 dB

Applied MIF = -1.62 dB

RF audio interference level = 30.40 dBV/m

**Emission category: M3**

MIF scaled E-field

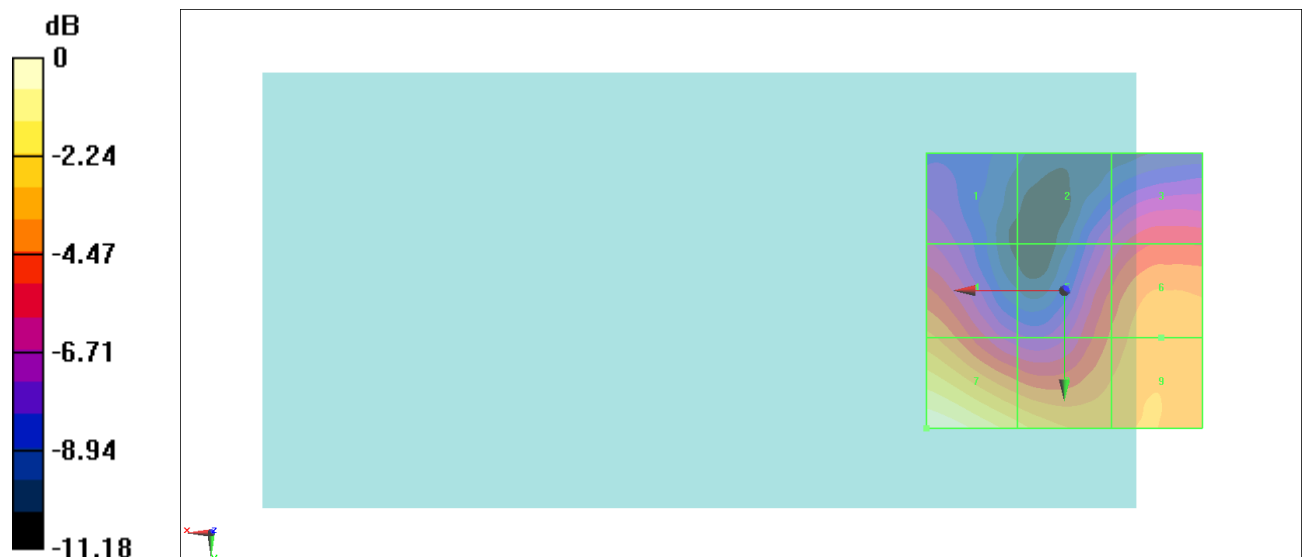
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>23.84 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.86 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.22 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.94 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.08 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.28 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>30.4 dBV/m</b>  | Grid 8 <b>M4</b><br><b>28.52 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.46 dBV/m</b> |

**Cursor:**

Total = 30.40 dBV/m

E Category: M3

Location: 25, 25, 8.7 mm



0 dB = 33.11 V/m = 30.40 dBV/m

**#05\_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: 1:8.33105

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) @ 2680 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4); SEMCAD X Version 14.6.14 (7483)

**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 = 14.47 V/m; Power Drift = -0.07 dB

Applied MIF = -1.62 dB

RF audio interference level = 29.71 dBV/m

**Emission category: M4**

MIF scaled E-field

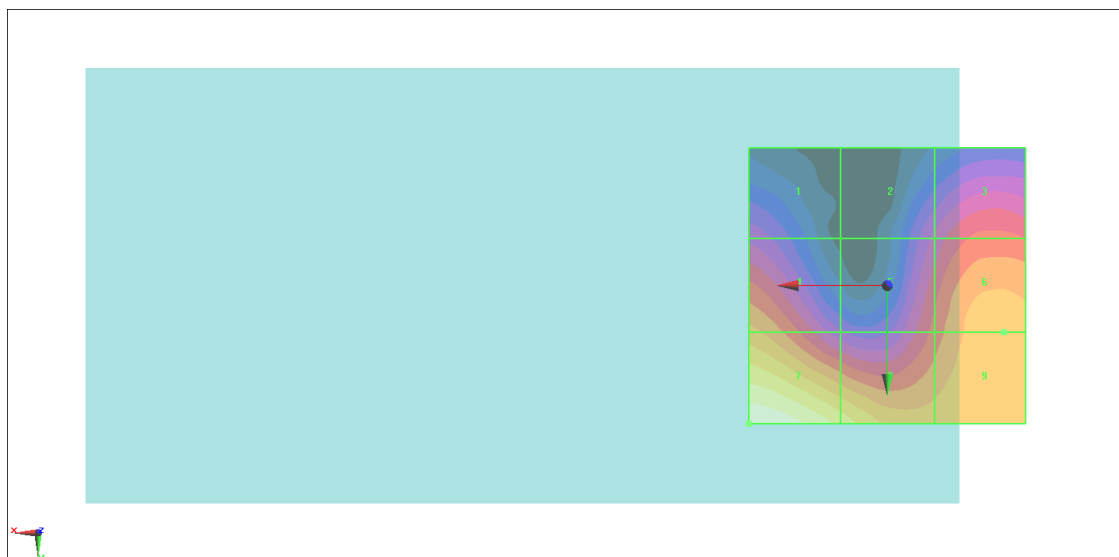
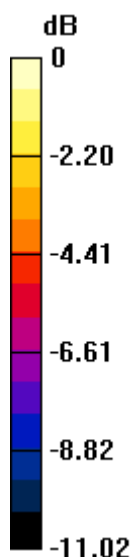
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.32 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.85 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.33 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.88 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.52 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>29.71 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.04 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.76 dBV/m</b> |

**Cursor:**

Total = 29.71 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 30.57 V/m = 29.71 dBV/m

**#06\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40185;Battery 2**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz;Duty Cycle: 1:8.33105

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) @ 2549.5 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**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 = 11.36 V/m; Power Drift = 0.08 dB

Applied MIF = -1.62 dB

RF audio interference level = 30.54 dBV/m

**Emission category: M3**

MIF scaled E-field

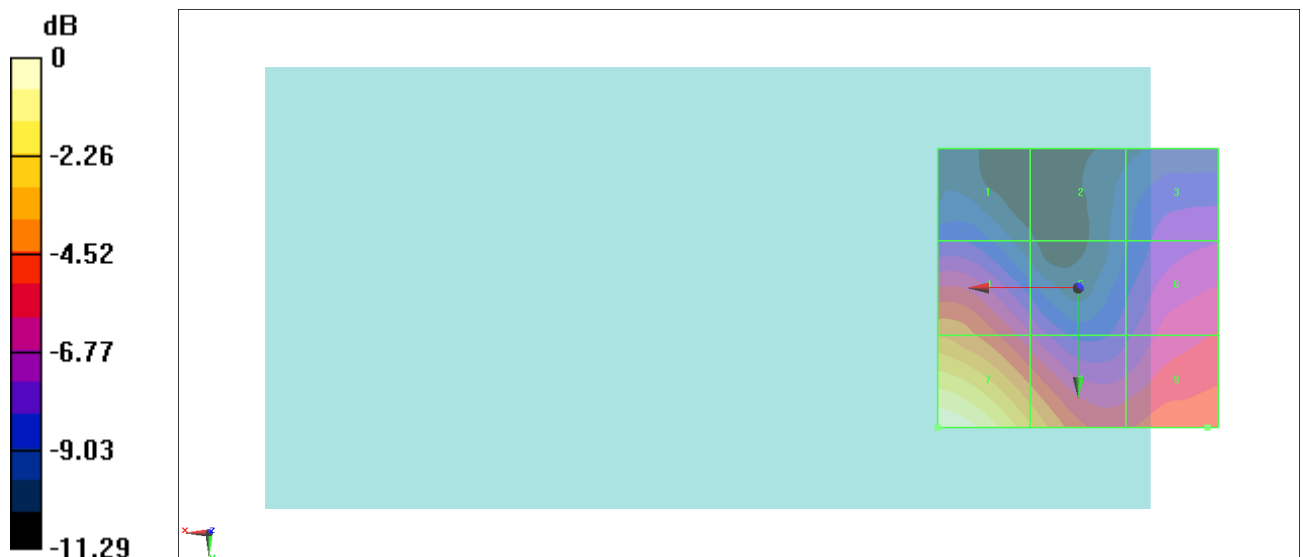
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.32 dBV/m</b> | Grid 2 <b>M4</b><br><b>21.43 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.01 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.79 dBV/m</b> | Grid 5 <b>M4</b><br><b>23.91 dBV/m</b> | Grid 6 <b>M4</b><br><b>24.62 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>30.54 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.69 dBV/m</b> | Grid 9 <b>M4</b><br><b>25.85 dBV/m</b> |

**Cursor:**

Total = 30.54 dBV/m

E Category: M3

Location: 25, 25, 8.7 mm



0 dB = 33.66 V/m = 30.54 dBV/m

**#07\_HAC\_E\_LTE Band 41\_20M\_QPSK\_1\_0\_Ch40185;Battery 3**

Communication System: LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz;Duty Cycle: 1:8.33105

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) @ 2549.5 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1311; Calibrated: 2019/8/27
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- Measurement SW: DASY52, Version 52.10 (4);SEMCAD X Version 14.6.14 (7483)

**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 = 11.21 V/m; Power Drift = 0.16 dB

Applied MIF = -1.62 dB

RF audio interference level = 28.66 dBV/m

**Emission category: M4**

MIF scaled E-field

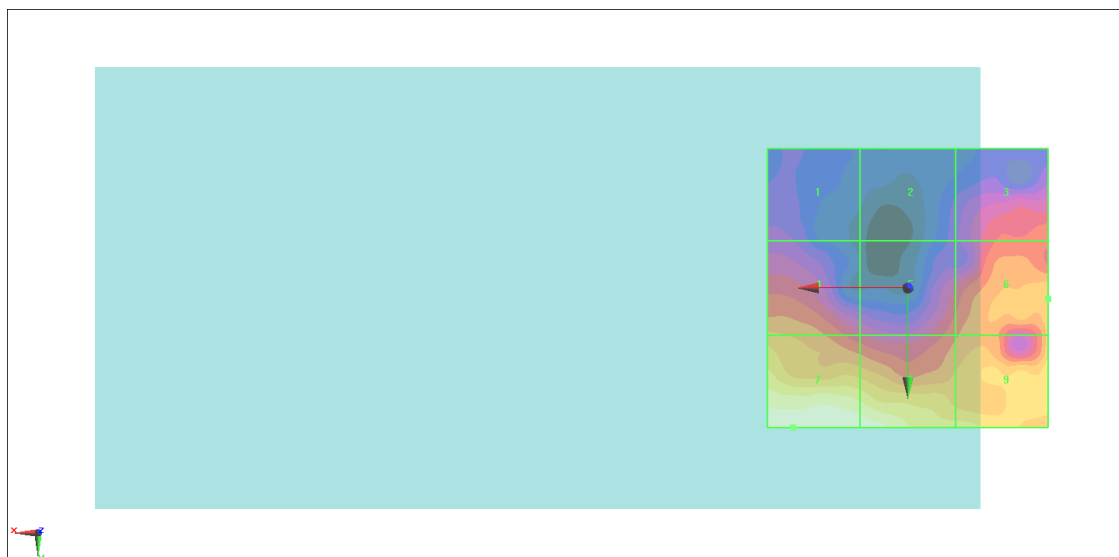
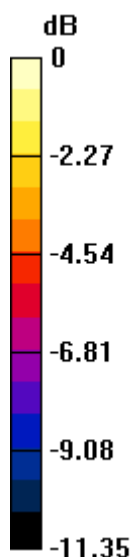
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>21.5 dBV/m</b>  | Grid 2 <b>M4</b><br><b>20.93 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.81 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.14 dBV/m</b> | Grid 5 <b>M4</b><br><b>24.03 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.45 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>28.66 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.47 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.96 dBV/m</b> |

**Cursor:**

Total = 28.66 dBV/m

E Category: M4

Location: 20.5, 25, 8.7 mm



0 dB = 27.11 V/m = 28.66 dBV/m