

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

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.69961

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) @ 824.2 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 = 70.74 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.73 dBV/m

**Emission category: M4**

MIF scaled E-field

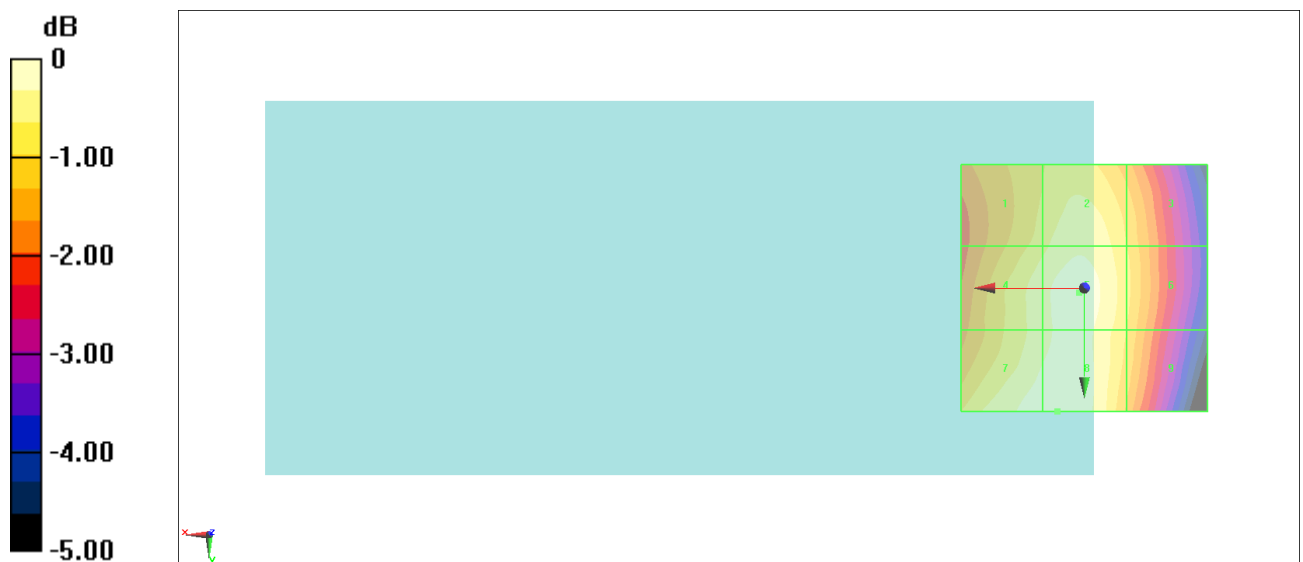
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>35.96 dBV/m</b> | Grid 2 <b>M4</b><br><b>36.34 dBV/m</b> | Grid 3 <b>M4</b><br><b>35.75 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.3 dBV/m</b>  | Grid 5 <b>M4</b><br><b>36.58 dBV/m</b> | Grid 6 <b>M4</b><br><b>35.86 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>36.67 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.73 dBV/m</b> | Grid 9 <b>M4</b><br><b>35.74 dBV/m</b> |

**Cursor:**

Total = 36.73 dBV/m

E Category: M4

Location: 5.5, 25, 8.7 mm



0 dB = 68.66 V/m = 36.73 dBV/m

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

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 836.4 MHz; Duty Cycle: 1:8.69961

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) @ 836.4 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 = 60.54 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.74 dBV/m

**Emission category: M4**

MIF scaled E-field

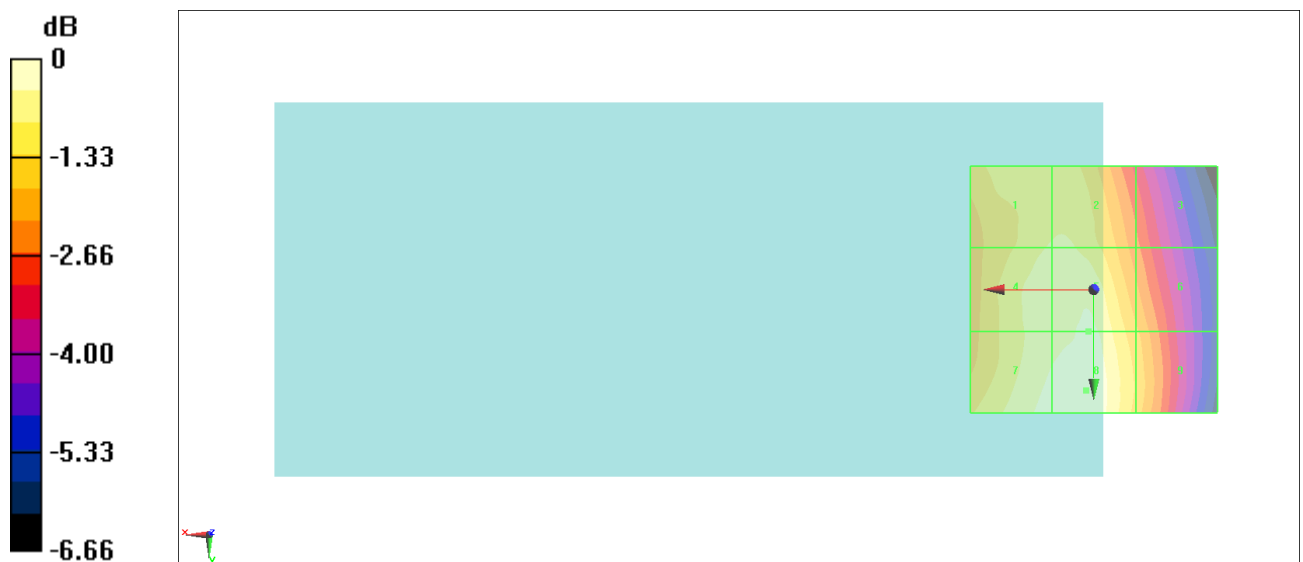
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>35.9 dBV/m</b>  | Grid 2 <b>M4</b><br><b>35.93 dBV/m</b> | Grid 3 <b>M4</b><br><b>34.26 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>36.19 dBV/m</b> | Grid 5 <b>M4</b><br><b>36.41 dBV/m</b> | Grid 6 <b>M4</b><br><b>35.08 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>36.51 dBV/m</b> | Grid 8 <b>M4</b><br><b>36.74 dBV/m</b> | Grid 9 <b>M4</b><br><b>35.37 dBV/m</b> |

**Cursor:**

Total = 36.74 dBV/m

E Category: M4

Location: 1.5, 20.5, 8.7 mm



0 dB = 68.68 V/m = 36.74 dBV/m

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

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.69961

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) @ 848.8 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 = 49.26 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.14 dBV/m

**Emission category: M4**

MIF scaled E-field

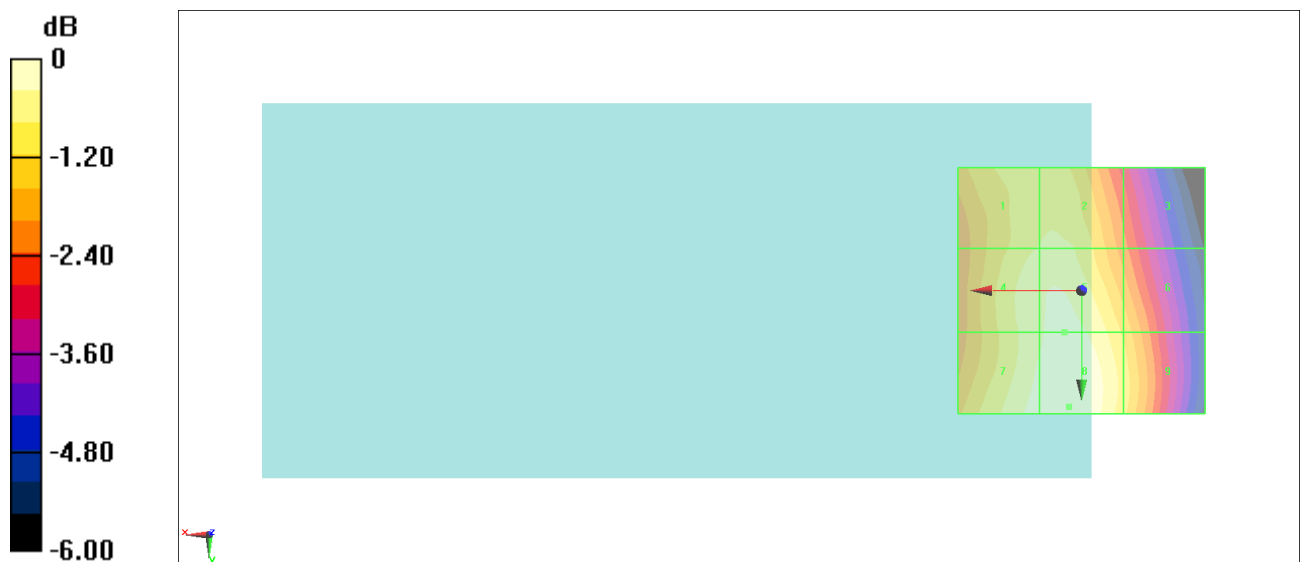
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>34.38 dBV/m</b> | Grid 2 <b>M4</b><br><b>34.44 dBV/m</b> | Grid 3 <b>M4</b><br><b>32.93 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>34.69 dBV/m</b> | Grid 5 <b>M4</b><br><b>34.89 dBV/m</b> | Grid 6 <b>M4</b><br><b>33.87 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>34.96 dBV/m</b> | Grid 8 <b>M4</b><br><b>35.14 dBV/m</b> | Grid 9 <b>M4</b><br><b>34.19 dBV/m</b> |

**Cursor:**

Total = 35.14 dBV/m

E Category: M4

Location: 2.5, 23.5, 8.7 mm



0 dB = 57.16 V/m = 35.14 dBV/m

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

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.69961

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) @ 1850.2 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 = 11.43 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 23.91 dBV/m

**Emission category: M4**

MIF scaled E-field

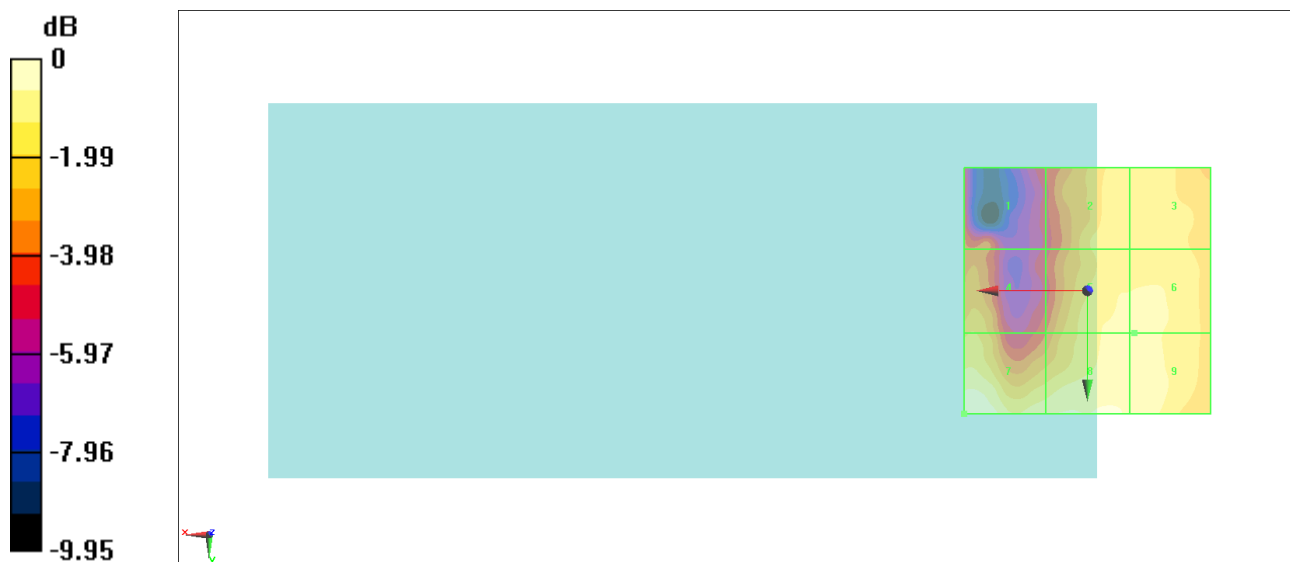
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.3 dBV/m</b>  | Grid 2 <b>M4</b><br><b>22.56 dBV/m</b> | Grid 3 <b>M4</b><br><b>22.56 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>21.95 dBV/m</b> | Grid 5 <b>M4</b><br><b>22.91 dBV/m</b> | Grid 6 <b>M4</b><br><b>22.93 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>23.91 dBV/m</b> | Grid 8 <b>M4</b><br><b>23.37 dBV/m</b> | Grid 9 <b>M4</b><br><b>23.23 dBV/m</b> |

**Cursor:**

Total = 23.91 dBV/m

E Category: M4

Location: 25, 25, 8.7 mm



0 dB = 15.68 V/m = 23.91 dBV/m

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

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.69961

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) @ 1880 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 = 15.07 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 26.89 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>20.97 dBV/m</b> | Grid 2 <b>M4</b><br><b>23.85 dBV/m</b> | Grid 3 <b>M4</b><br><b>23.83 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>23.79 dBV/m</b> | Grid 5 <b>M4</b><br><b>25.99 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.98 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.07 dBV/m</b> | Grid 8 <b>M4</b><br><b>26.89 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.68 dBV/m</b> |

**Cursor:**

Total = 26.89 dBV/m

E Category: M4

Location: -1.5, 25, 8.7 mm



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

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.69961

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) @ 1909.8 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 = 16.94 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.70 dBV/m

**Emission category: M4**

MIF scaled E-field

|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>22.11 dBV/m</b> | Grid 2 <b>M4</b><br><b>24.86 dBV/m</b> | Grid 3 <b>M4</b><br><b>24.86 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>24.65 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.95 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.92 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>26.77 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.7 dBV/m</b>  | Grid 9 <b>M4</b><br><b>27.47 dBV/m</b> |

**Cursor:**

Total = 27.70 dBV/m

E Category: M4

Location: -1.5, 25, 8.7 mm



**#07\_HAC\_E\_WLAN2.4GHz\_802.11g 6Mbps\_Ch1**

Communication System: 802.11g ; Frequency: 2412 MHz;Duty Cycle:1:12.5777

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: 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 = 35.94 V/m; Power Drift = -0.01 dB

Applied MIF = 0.12 dB

RF audio interference level = 27.72 dBV/m

**Emission category: M4**

MIF scaled E-field

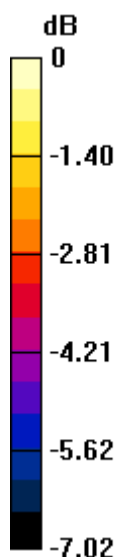
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.14 dBV/m</b> | Grid 2 <b>M4</b><br><b>26.86 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.33 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.71 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.31 dBV/m</b> | Grid 6 <b>M4</b><br><b>26.63 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.5 dBV/m</b>  | Grid 8 <b>M4</b><br><b>27.72 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.88 dBV/m</b> |

**Cursor:**

Total = 27.72 dBV/m

E Category: M4

Location: 1.5, 25, 8.7 mm



0 dB = 24.33 V/m = 27.72 dBV/m

**#08\_HAC\_E\_WLAN2.4GHz\_802.11g 6Mbps\_Ch6**

Communication System: 802.11g ; Frequency: 2437 MHz;Duty Cycle:1:12.5777

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: 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 = 37.42 V/m; Power Drift = -0.05 dB

Applied MIF = 0.12 dB

RF audio interference level = 28.68 dBV/m

**Emission category: M4**

MIF scaled E-field

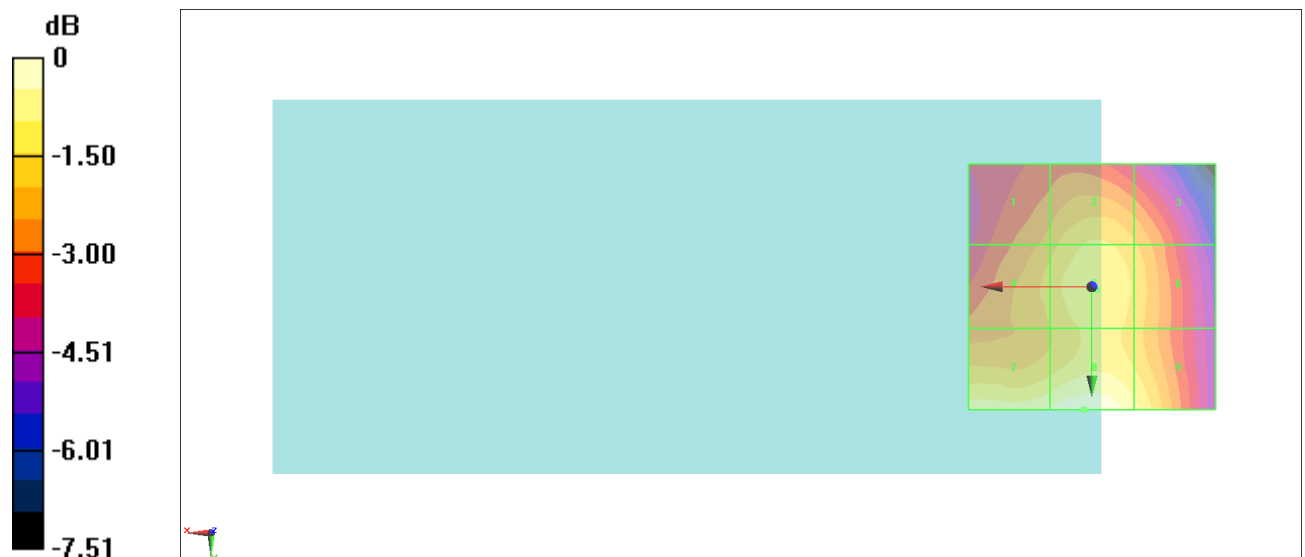
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>26.45 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.27 dBV/m</b> | Grid 3 <b>M4</b><br><b>26.78 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>26.89 dBV/m</b> | Grid 5 <b>M4</b><br><b>27.62 dBV/m</b> | Grid 6 <b>M4</b><br><b>27.11 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>28.31 dBV/m</b> | Grid 8 <b>M4</b><br><b>28.68 dBV/m</b> | Grid 9 <b>M4</b><br><b>27.91 dBV/m</b> |

**Cursor:**

Total = 28.68 dBV/m

E Category: M4

Location: 1.5, 25, 8.7 mm



0 dB = 27.15 V/m = 28.67 dBV/m

**#09\_HAC\_E\_WLAN2.4GHz\_802.11g 6Mbps\_Ch11**

Communication System: 802.11g ; Frequency: 2462 MHz; Duty Cycle: 1:12.5777

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: 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 = 31.55 V/m; Power Drift = -0.01 dB

Applied MIF = 0.12 dB

RF audio interference level = 27.63 dBV/m

**Emission category: M4**

MIF scaled E-field

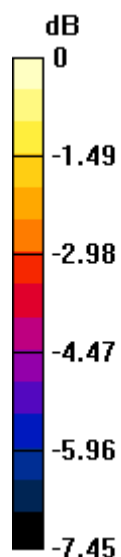
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.95 dBV/m</b> | Grid 2 <b>M4</b><br><b>25.84 dBV/m</b> | Grid 3 <b>M4</b><br><b>25.36 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>25.46 dBV/m</b> | Grid 5 <b>M4</b><br><b>26.26 dBV/m</b> | Grid 6 <b>M4</b><br><b>25.84 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>27.25 dBV/m</b> | Grid 8 <b>M4</b><br><b>27.63 dBV/m</b> | Grid 9 <b>M4</b><br><b>26.91 dBV/m</b> |

**Cursor:**

Total = 27.63 dBV/m

E Category: M4

Location: 1, 25, 8.7 mm



0 dB = 24.08 V/m = 27.63 dBV/m