

**#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 : 23.3 °C

**DASY5 Configuration**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 824.2 MHz; Calibrated: 2020/1/24

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn577; Calibrated: 2019/9/17

- 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 = 35.99 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.09 dBV/m

**Emission category: M4**

MIF scaled E-field

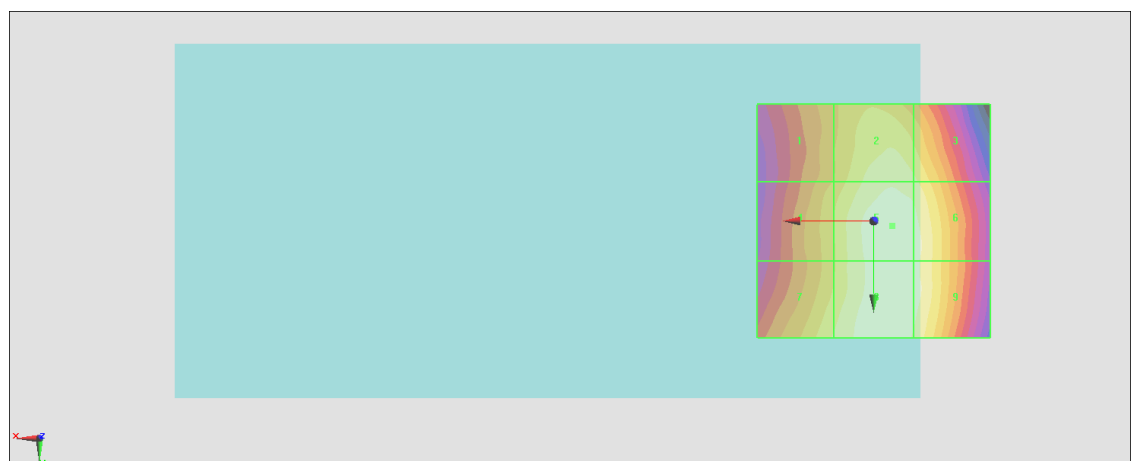
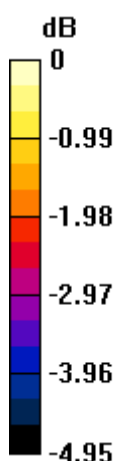
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>30.82 dBV/m</b> | Grid 2 <b>M4</b><br><b>31.72 dBV/m</b> | Grid 3 <b>M4</b><br><b>31.53 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>31.12 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.09 dBV/m</b> | Grid 6 <b>M4</b><br><b>31.93 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>31.48 dBV/m</b> | Grid 8 <b>M4</b><br><b>32.08 dBV/m</b> | Grid 9 <b>M4</b><br><b>31.93 dBV/m</b> |

**Cursor:**

Total = 32.09 dBV/m

E Category: M4

Location: -4, 1, 8.7 mm



0 dB = 40.23 V/m = 32.09 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 : 23.3 °C

**DASY5 Configuration**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 836.4 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- 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 = 39.24 V/m; Power Drift = 0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 32.88 dBV/m

**Emission category: M4**

MIF scaled E-field

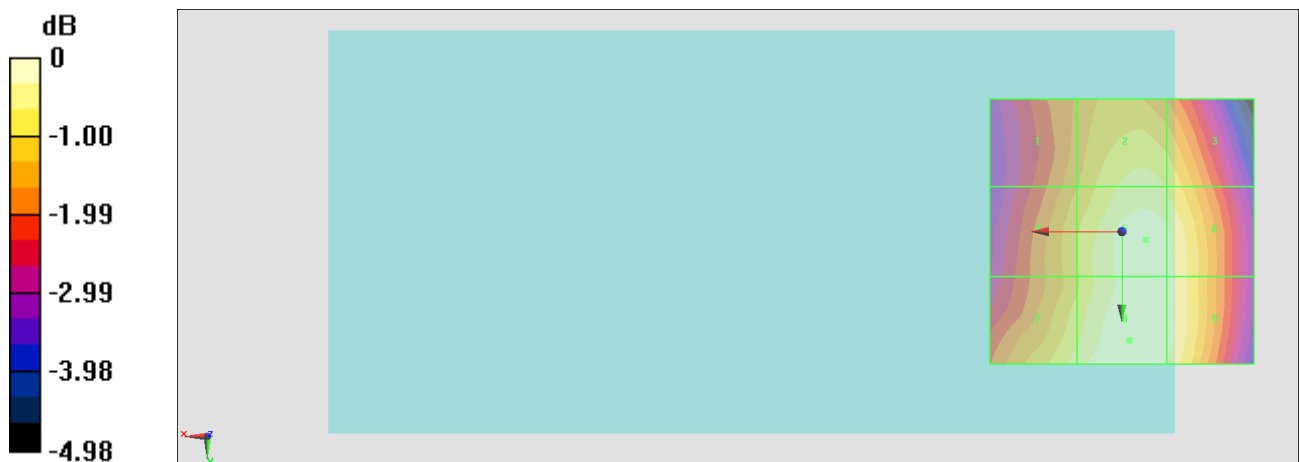
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>31.54 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.38 dBV/m</b> | Grid 3 <b>M4</b><br><b>32.21 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>31.88 dBV/m</b> | Grid 5 <b>M4</b><br><b>32.81 dBV/m</b> | Grid 6 <b>M4</b><br><b>32.65 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>32.38 dBV/m</b> | Grid 8 <b>M4</b><br><b>32.88 dBV/m</b> | Grid 9 <b>M4</b><br><b>32.68 dBV/m</b> |

**Cursor:**

Total = 32.88 dBV/m

E Category: M4

Location: -1.5, 20.5, 8.7 mm



0 dB = 44.07 V/m = 32.88 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 : 23.3 °C

**DASY5 Configuration**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 848.8 MHz; Calibrated: 2020/1/24

- Sensor-Surface: (Fix Surface)

- Electronics: DAE3 Sn577; Calibrated: 2019/9/17

- 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 = 40.49 V/m; Power Drift = -0.11 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.12 dBV/m

**Emission category: M4**

MIF scaled E-field

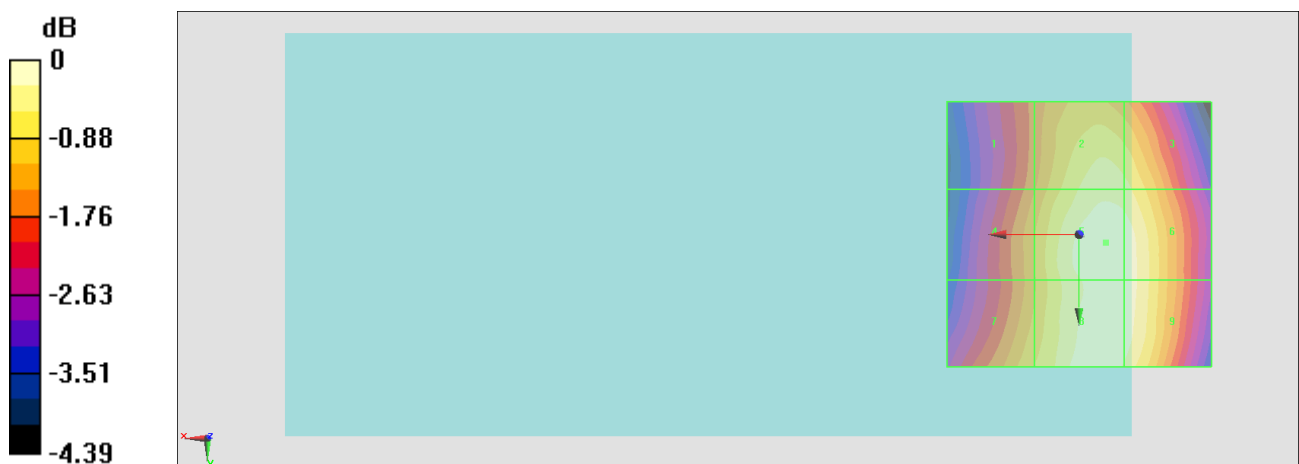
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>31.63 dBV/m</b> | Grid 2 <b>M4</b><br><b>32.75 dBV/m</b> | Grid 3 <b>M4</b><br><b>32.65 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>31.94 dBV/m</b> | Grid 5 <b>M4</b><br><b>33.12 dBV/m</b> | Grid 6 <b>M4</b><br><b>33.03 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>32.26 dBV/m</b> | Grid 8 <b>M4</b><br><b>33.09 dBV/m</b> | Grid 9 <b>M4</b><br><b>33.03 dBV/m</b> |

**Cursor:**

Total = 33.12 dBV/m

E Category: M4

Location: -5, 1.5, 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 : 23.3 °C

**DASY5 Configuration**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1850.2 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- 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 = 6.999 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 21.11 dBV/m

**Emission category: M4**

MIF scaled E-field

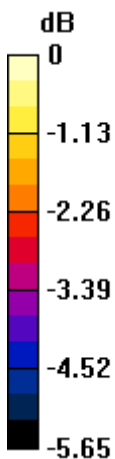
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.88 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.04 dBV/m</b> | Grid 3 <b>M4</b><br><b>18.23 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.26 dBV/m</b> | Grid 5 <b>M4</b><br><b>19.38 dBV/m</b> | Grid 6 <b>M4</b><br><b>19.52 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.56 dBV/m</b> | Grid 8 <b>M4</b><br><b>21.11 dBV/m</b> | Grid 9 <b>M4</b><br><b>21.03 dBV/m</b> |

**Cursor:**

Total = 21.11 dBV/m

E Category: M4

Location: -6.5, 25, 8.7 mm



0 dB = 11.36 V/m = 21.11 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 : 23.3 °C

**DASY5 Configuration**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1880 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- 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 = 6.557 V/m; Power Drift = -0.13 dB

Applied MIF = 3.63 dB

RF audio interference level = 20.48 dBV/m

**Emission category: M4**

MIF scaled E-field

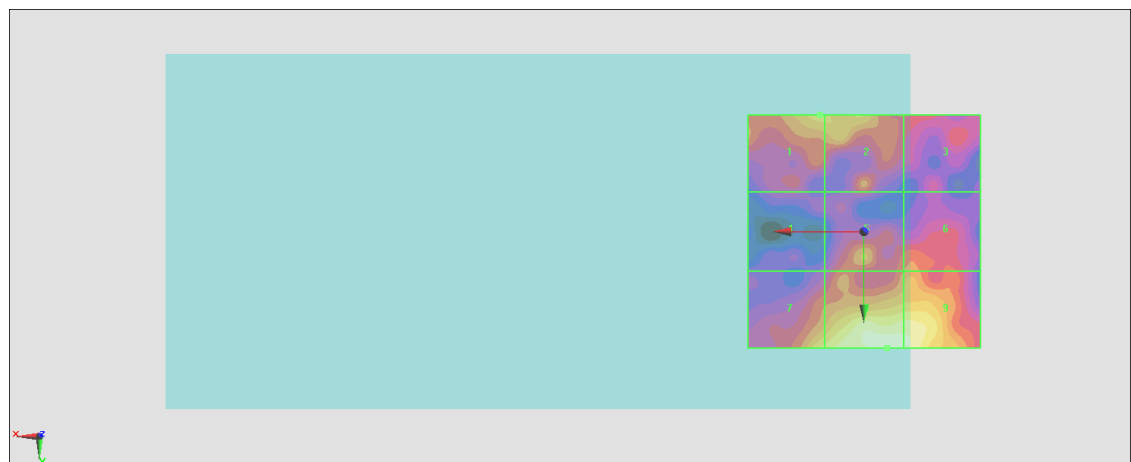
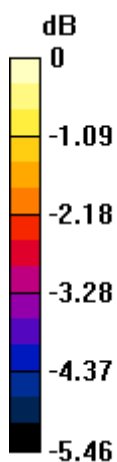
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>19.24 dBV/m</b> | Grid 2 <b>M4</b><br><b>19.2 dBV/m</b>  | Grid 3 <b>M4</b><br><b>17.97 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.37 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.74 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.49 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>19.61 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.48 dBV/m</b> | Grid 9 <b>M4</b><br><b>20.27 dBV/m</b> |

**Cursor:**

Total = 20.48 dBV/m

E Category: M4

Location: -5, 25, 8.7 mm



0 dB = 10.57 V/m = 20.48 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 : 23.3 °C

**DASY5 Configuration**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 1909.8 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- 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 = 6.385 V/m; Power Drift = -0.17 dB

Applied MIF = 3.63 dB

RF audio interference level = 20.03 dBV/m

**Emission category: M4**

MIF scaled E-field

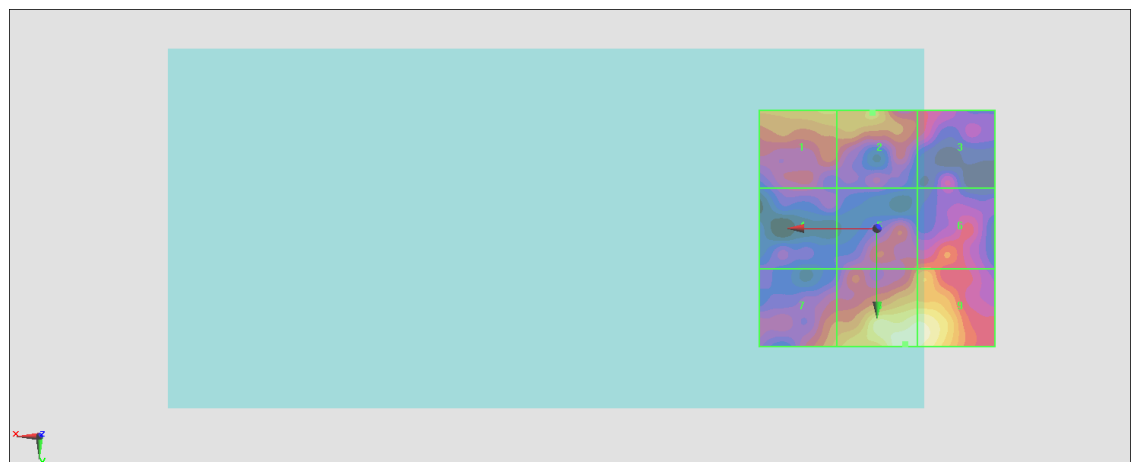
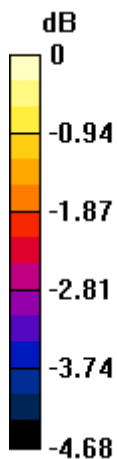
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>18.91 dBV/m</b> | Grid 2 <b>M4</b><br><b>18.92 dBV/m</b> | Grid 3 <b>M4</b><br><b>17.82 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>17.39 dBV/m</b> | Grid 5 <b>M4</b><br><b>18.09 dBV/m</b> | Grid 6 <b>M4</b><br><b>18.32 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>18.67 dBV/m</b> | Grid 8 <b>M4</b><br><b>20.03 dBV/m</b> | Grid 9 <b>M4</b><br><b>19.94 dBV/m</b> |

**Cursor:**

Total = 20.03 dBV/m

E Category: M4

Location: -6, 24.5, 8.7 mm



0 dB = 10.04 V/m = 20.03 dBV/m

**#07\_HAC\_E\_WLAN2.4GHz\_802.11g\_Ch1;Ant 1**

Communication System: IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); 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 : 23.3 °C

**DASY5 Configuration**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2412 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- 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 = 59.01 V/m; Power Drift = -0.10 dB

Applied MIF = 0.12 dB

RF audio interference level = 33.26 dBV/m

**Emission category: M3**

MIF scaled E-field

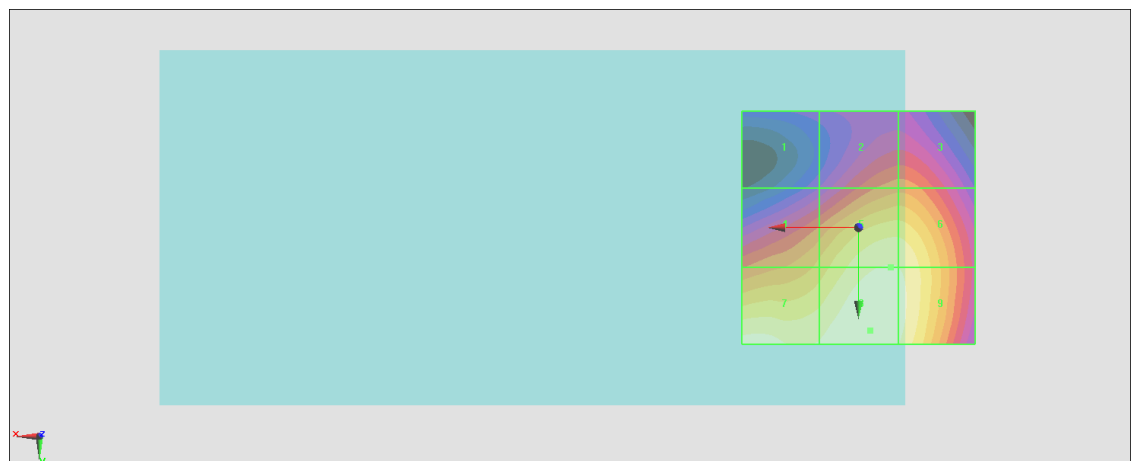
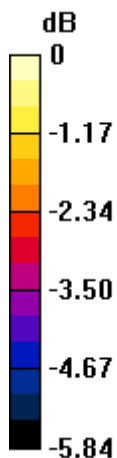
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.39 dBV/m</b> | Grid 2 <b>M3</b><br><b>31.18 dBV/m</b> | Grid 3 <b>M3</b><br><b>31.19 dBV/m</b> |
| Grid 4 <b>M3</b><br><b>31.84 dBV/m</b> | Grid 5 <b>M3</b><br><b>32.89 dBV/m</b> | Grid 6 <b>M3</b><br><b>32.87 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>33.1 dBV/m</b>  | Grid 8 <b>M3</b><br><b>33.26 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.04 dBV/m</b> |

**Cursor:**

Total = 33.26 dBV/m

E Category: M3

Location: -2.5, 22, 8.7 mm



0 dB = 46.00 V/m = 33.26 dBV/m

**#08\_HAC\_E\_WLAN2.4GHz\_802.11g\_Ch6;Ant 1**

Communication System: IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); 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 : 23.3 °C

**DASY5 Configuration**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2437 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- 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 = 36.05 V/m; Power Drift = -0.01 dB

Applied MIF = 0.12 dB

RF audio interference level = 29.06 dBV/m

**Emission category: M4**

MIF scaled E-field

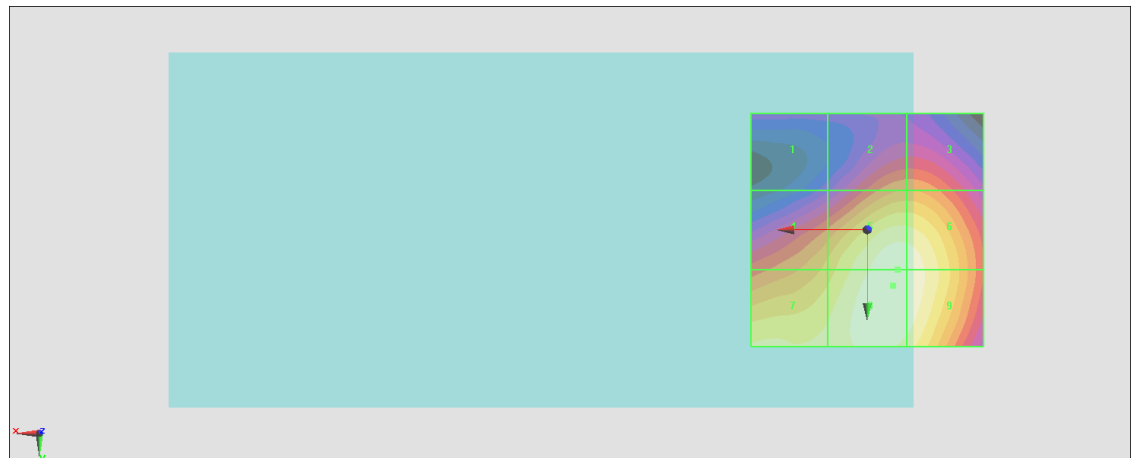
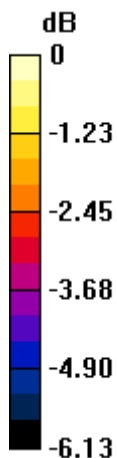
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>24.93 dBV/m</b> | Grid 2 <b>M4</b><br><b>27.03 dBV/m</b> | Grid 3 <b>M4</b><br><b>27.04 dBV/m</b> |
| Grid 4 <b>M4</b><br><b>27.6 dBV/m</b>  | Grid 5 <b>M4</b><br><b>28.99 dBV/m</b> | Grid 6 <b>M4</b><br><b>28.95 dBV/m</b> |
| Grid 7 <b>M4</b><br><b>28.39 dBV/m</b> | Grid 8 <b>M4</b><br><b>29.06 dBV/m</b> | Grid 9 <b>M4</b><br><b>28.99 dBV/m</b> |

**Cursor:**

Total = 29.06 dBV/m

E Category: M4

Location: -5.5, 12, 8.7 mm



0 dB = 28.37 V/m = 29.06 dBV/m

**#09\_HAC\_E\_WLAN2.4GHz\_802.11g\_Ch11;Ant 1**

Communication System: IEEE 802.11g WiFi 2.4 GHz (DSSS/OFDM, 54 Mbps); 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 : 23.3 °C

**DASY5 Configuration**

- Probe: EF3DV3 - SN4047; ConvF(1, 1, 1) @ 2462 MHz; Calibrated: 2020/1/24
- Sensor-Surface: (Fix Surface)
- Electronics: DAE3 Sn577; Calibrated: 2019/9/17
- 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 = 66.33 V/m; Power Drift = -0.17 dB

Applied MIF = 0.12 dB

RF audio interference level = 33.80 dBV/m

**Emission category: M3**

MIF scaled E-field

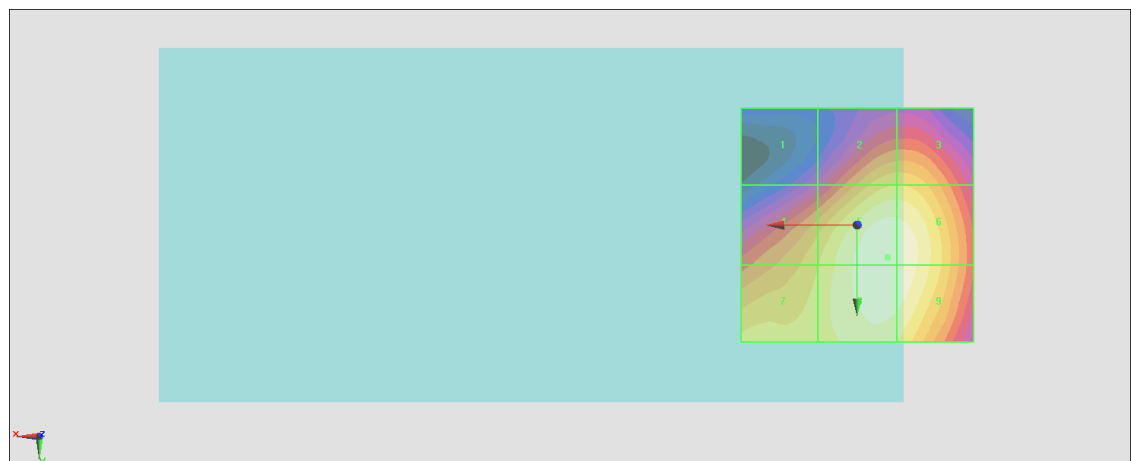
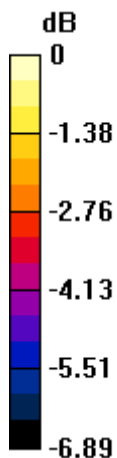
|                                        |                                        |                                        |
|----------------------------------------|----------------------------------------|----------------------------------------|
| Grid 1 <b>M4</b><br><b>29.85 dBV/m</b> | Grid 2 <b>M3</b><br><b>32.45 dBV/m</b> | Grid 3 <b>M3</b><br><b>32.45 dBV/m</b> |
| Grid 4 <b>M3</b><br><b>32.38 dBV/m</b> | Grid 5 <b>M3</b><br><b>33.8 dBV/m</b>  | Grid 6 <b>M3</b><br><b>33.76 dBV/m</b> |
| Grid 7 <b>M3</b><br><b>32.71 dBV/m</b> | Grid 8 <b>M3</b><br><b>33.79 dBV/m</b> | Grid 9 <b>M3</b><br><b>33.74 dBV/m</b> |

**Cursor:**

Total = 33.80 dBV/m

E Category: M3

Location: -6.5, 7, 8.7 mm



0 dB = 48.99 V/m = 33.80 dBV/m