

### HAC-RF Emission

Frequency: 824.2 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

### GSM850 E-Field measurement/Voice\_ch 128/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 = 41.59 V/m; Power Drift = -0.00 dB

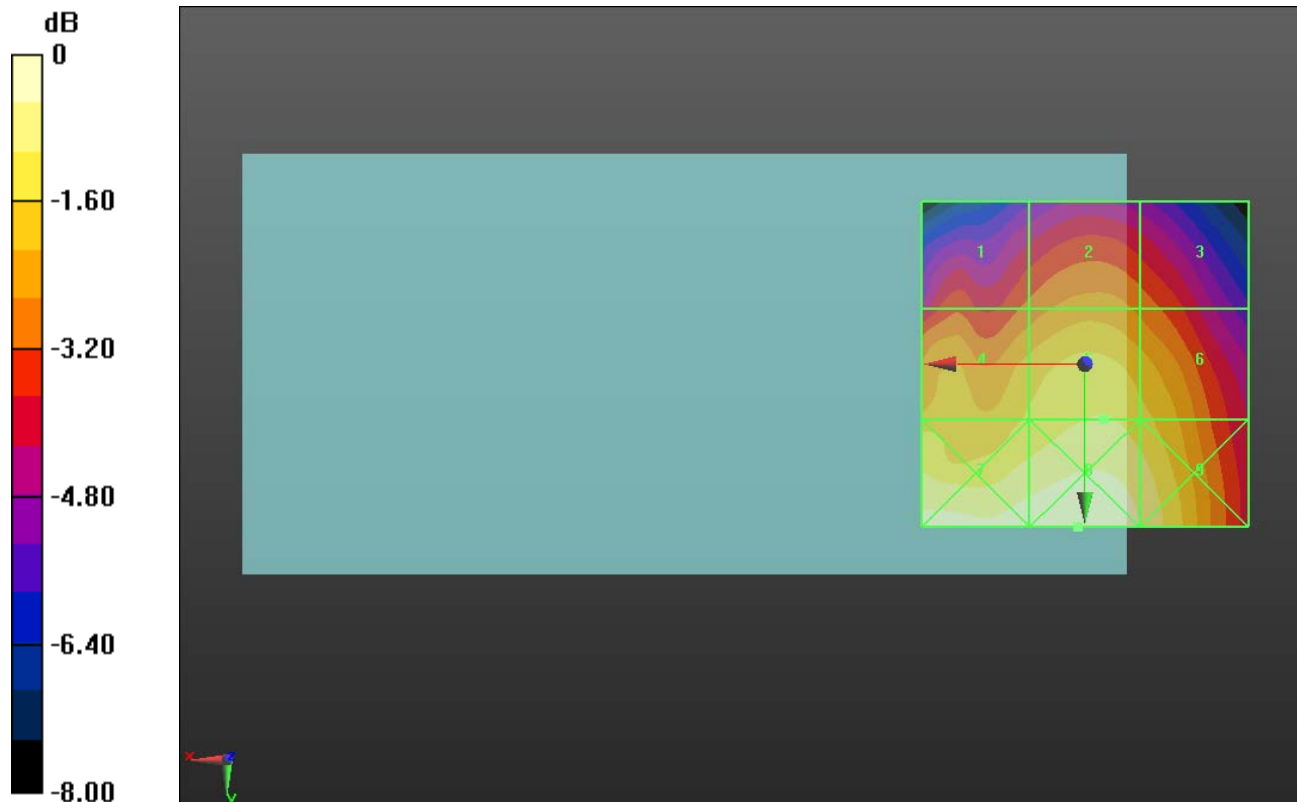
Applied MIF = 3.63 dB

RF audio interference level = 34.03 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>32.06 dBV/m</b>	Grid 2 <b>M4</b> <b>32.69 dBV/m</b>	Grid 3 <b>M4</b> <b>32.26 dBV/m</b>
Grid 4 <b>M4</b> <b>33.56 dBV/m</b>	Grid 5 <b>M4</b> <b>34.03 dBV/m</b>	Grid 6 <b>M4</b> <b>33.69 dBV/m</b>
Grid 7 <b>M4</b> <b>34.88 dBV/m</b>	Grid 8 <b>M4</b> <b>35.06 dBV/m</b>	Grid 9 <b>M4</b> <b>34.51 dBV/m</b>



0 dB = 56.60 V/m = 35.06 dBV/m

### HAC-RF Emission

Frequency: 836.6 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

### GSM850 E-Field measurement/Voice\_ch 190/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 = 39.74 V/m; Power Drift = -0.05 dB

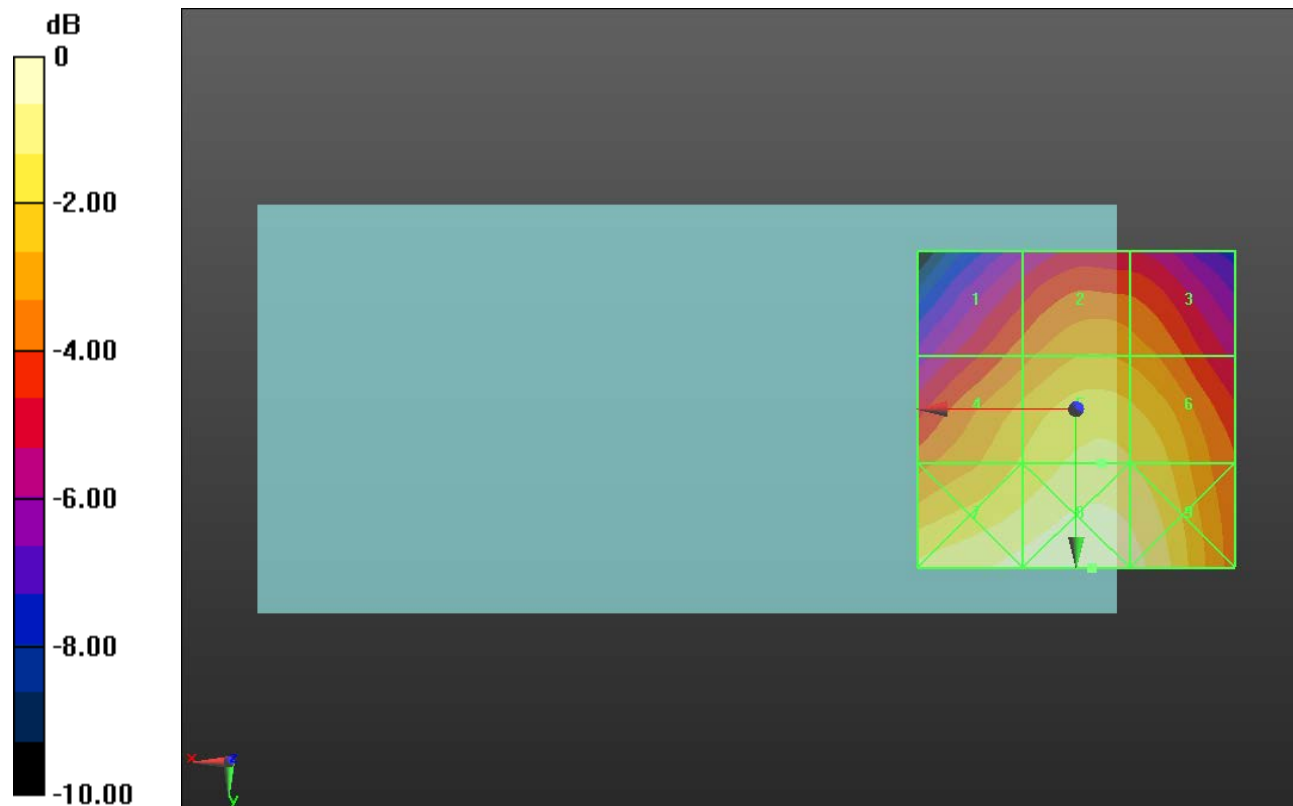
Applied MIF = 3.63 dB

RF audio interference level = 33.87 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>31.39 dBV/m</b>	Grid 2 <b>M4</b> <b>32.35 dBV/m</b>	Grid 3 <b>M4</b> <b>32.11 dBV/m</b>
Grid 4 <b>M4</b> <b>33.08 dBV/m</b>	Grid 5 <b>M4</b> <b>33.87 dBV/m</b>	Grid 6 <b>M4</b> <b>33.7 dBV/m</b>
Grid 7 <b>M4</b> <b>34.58 dBV/m</b>	Grid 8 <b>M4</b> <b>34.97 dBV/m</b>	Grid 9 <b>M4</b> <b>34.63 dBV/m</b>



0 dB = 56.06 V/m = 34.97 dBV/m

### HAC-RF Emission

Frequency: 848.6 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

### GSM850 E-Field measurement/Voice\_ch 251/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 = 34.05 V/m; Power Drift = -0.09 dB

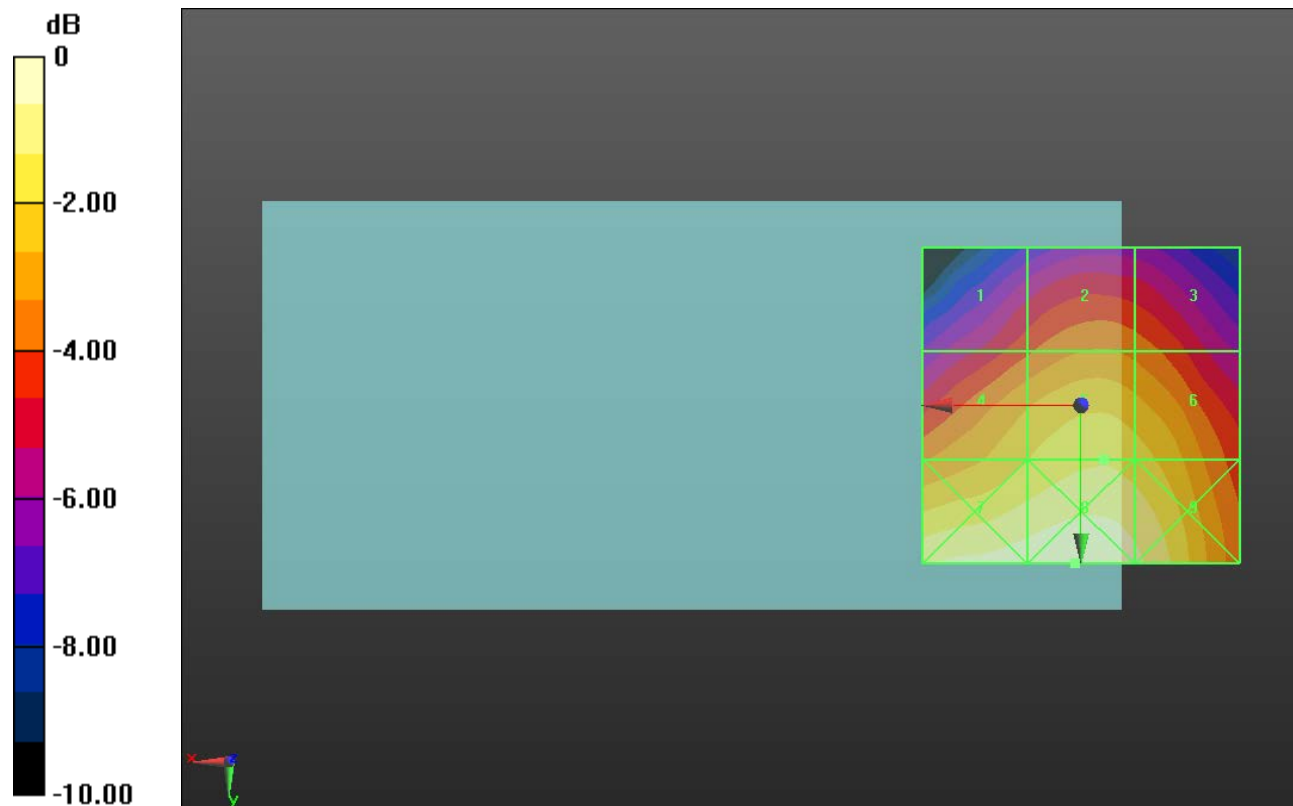
Applied MIF = 3.63 dB

RF audio interference level = 32.53 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>29.83 dBV/m</b>	Grid 2 <b>M4</b> <b>30.68 dBV/m</b>	Grid 3 <b>M4</b> <b>30.41 dBV/m</b>
Grid 4 <b>M4</b> <b>31.92 dBV/m</b>	Grid 5 <b>M4</b> <b>32.53 dBV/m</b>	Grid 6 <b>M4</b> <b>32.28 dBV/m</b>
Grid 7 <b>M4</b> <b>33.71 dBV/m</b>	Grid 8 <b>M4</b> <b>33.94 dBV/m</b>	Grid 9 <b>M4</b> <b>33.46 dBV/m</b>



0 dB = 49.77 V/m = 33.94 dBV/m

### HAC-RF Emission

Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

### GSM1900 E-Field measurement/Voice\_ch 512/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 = 8.897 V/m; Power Drift = -0.29 dB

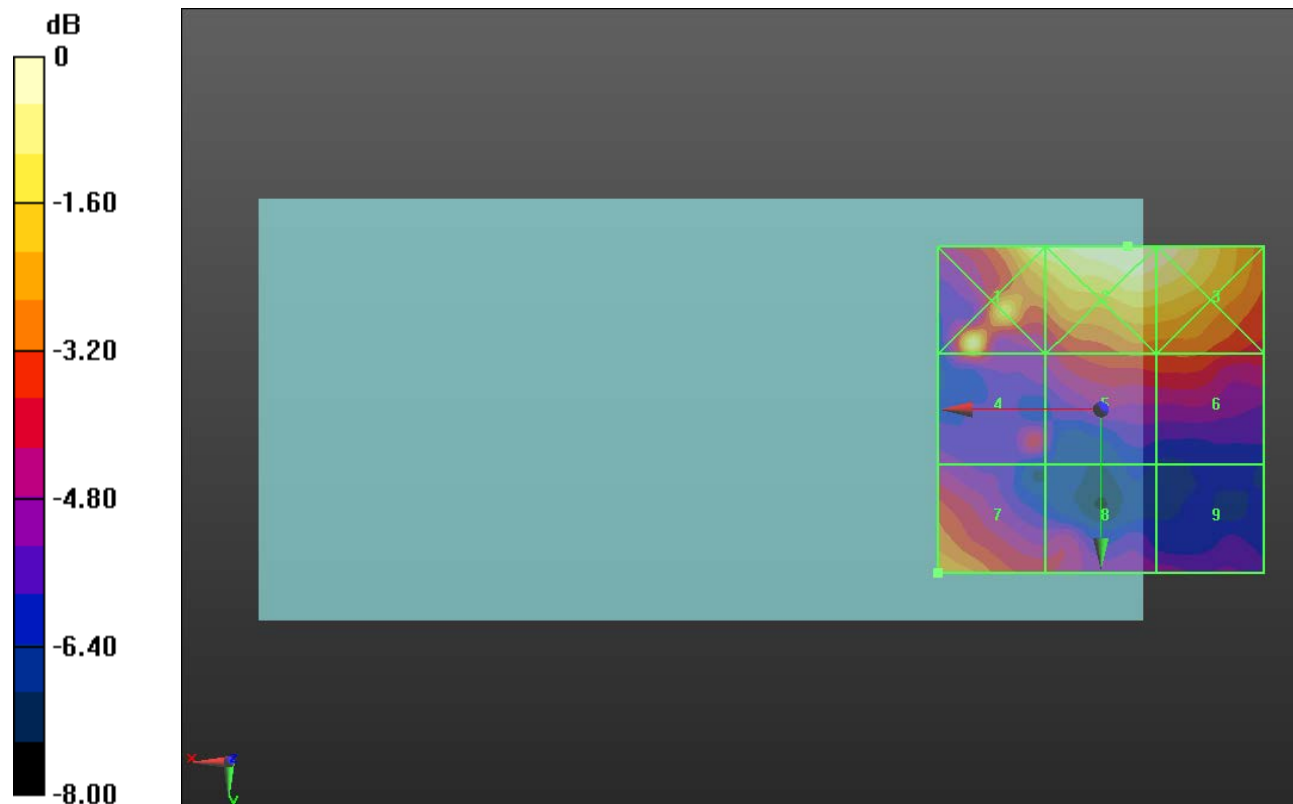
Applied MIF = 3.63 dB

RF audio interference level = 22.24 dBV/m

Emission category: **M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>24.19 dBV/m</b>	<b>Grid 2 M4</b> <b>24.32 dBV/m</b>	<b>Grid 3 M4</b> <b>24.2 dBV/m</b>
<b>Grid 4 M4</b> <b>21.65 dBV/m</b>	<b>Grid 5 M4</b> <b>21.23 dBV/m</b>	<b>Grid 6 M4</b> <b>21.22 dBV/m</b>
<b>Grid 7 M4</b> <b>22.24 dBV/m</b>	<b>Grid 8 M4</b> <b>20.16 dBV/m</b>	<b>Grid 9 M4</b> <b>19.41 dBV/m</b>



0 dB = 16.44 V/m = 24.32 dBV/m

### HAC-RF Emission

Frequency: 1880 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

### GSM1900 E-Field measurement/Voice\_ch 661/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 = 8.487 V/m; Power Drift = -0.04 dB

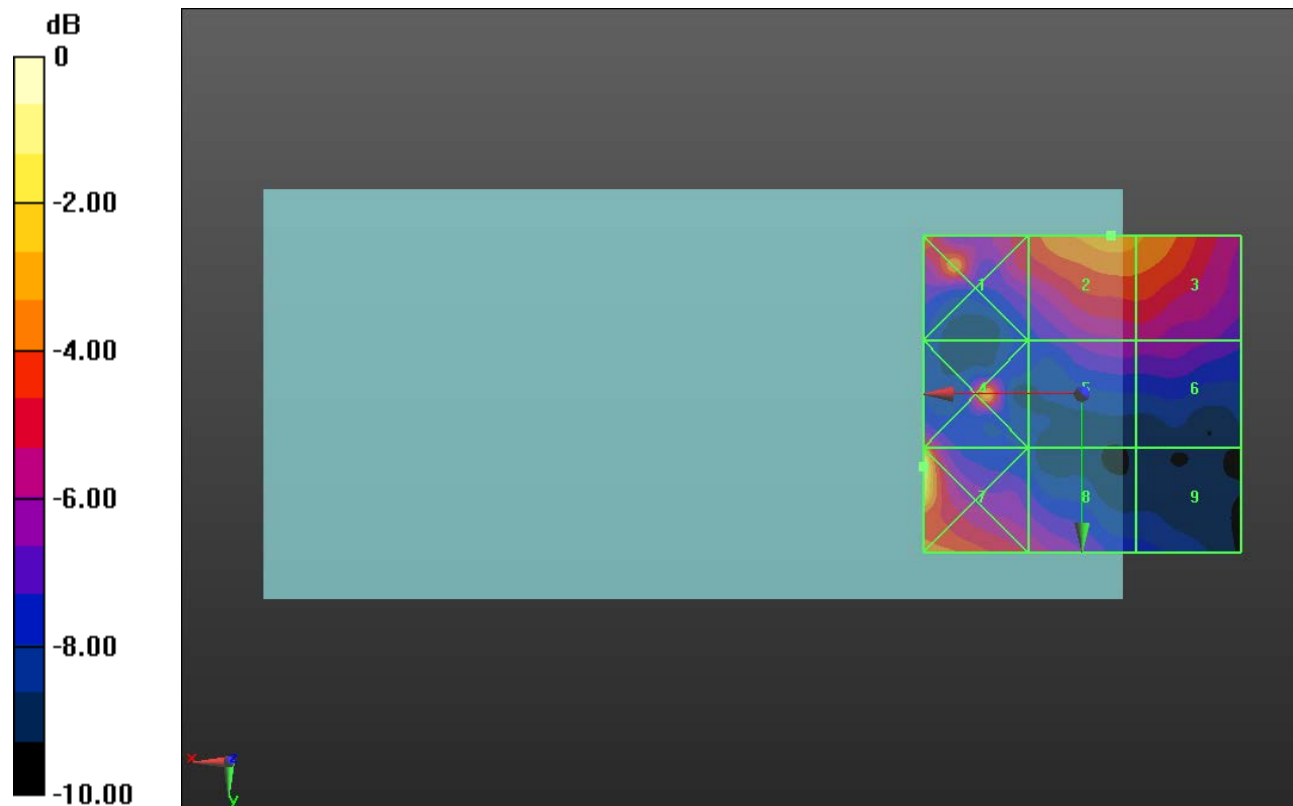
Applied MIF = 3.63 dB

RF audio interference level = 25.26 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>24.69 dBV/m</b>	<b>Grid 2 M4</b> <b>25.26 dBV/m</b>	<b>Grid 3 M4</b> <b>24.87 dBV/m</b>
<b>Grid 4 M4</b> <b>25.1 dBV/m</b>	<b>Grid 5 M4</b> <b>22.06 dBV/m</b>	<b>Grid 6 M4</b> <b>22.07 dBV/m</b>
<b>Grid 7 M4</b> <b>28.01 dBV/m</b>	<b>Grid 8 M4</b> <b>22.67 dBV/m</b>	<b>Grid 9 M4</b> <b>20.42 dBV/m</b>



0 dB = 25.16 V/m = 28.01 dBV/m

### HAC-RF Emission

Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

### GSM1900 E-Field measurement/Voice\_ch 810/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 = 8.856 V/m; Power Drift = 0.04 dB

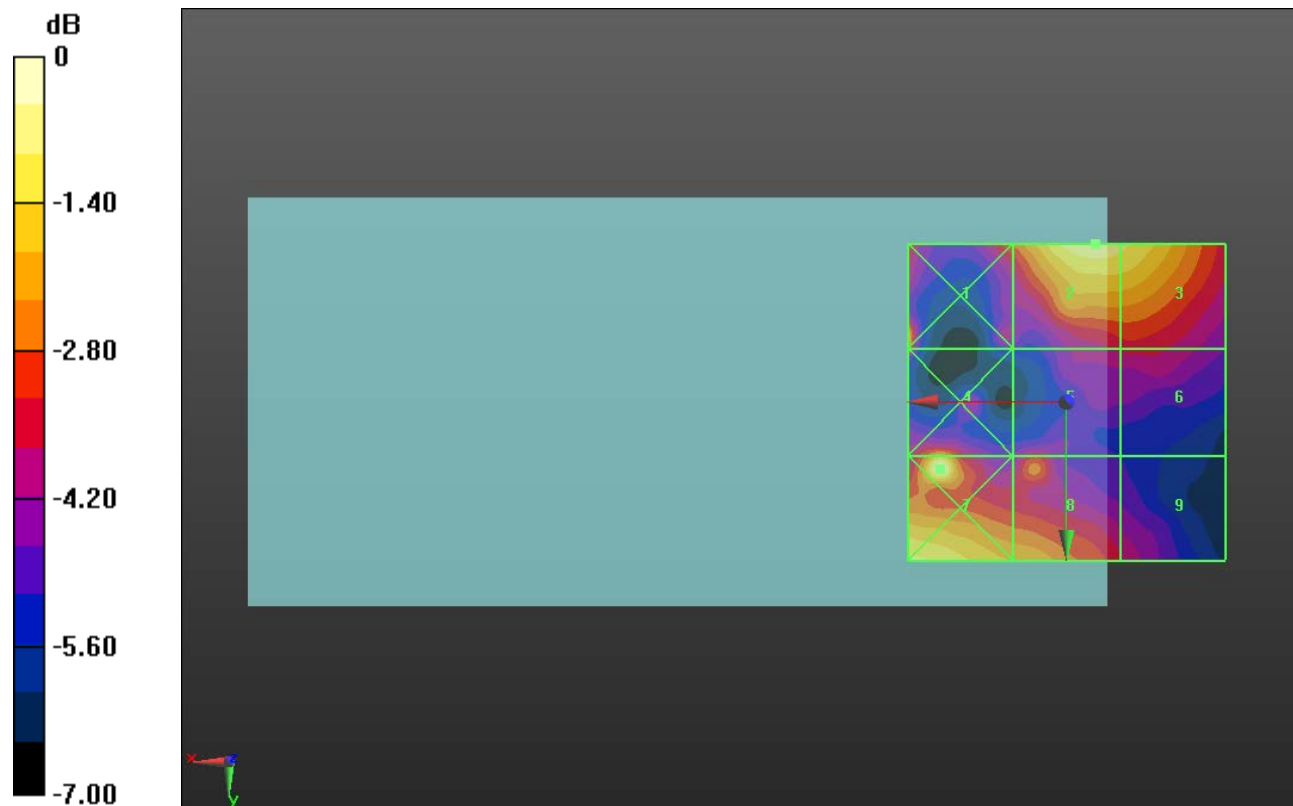
Applied MIF = 3.63 dB

RF audio interference level = 25.71 dBV/m

**Emission category: M4**

MIF scaled E-field

<b>Grid 1 M4</b> <b>25.05 dBV/m</b>	<b>Grid 2 M4</b> <b>25.71 dBV/m</b>	<b>Grid 3 M4</b> <b>25.46 dBV/m</b>
<b>Grid 4 M4</b> <b>24.48 dBV/m</b>	<b>Grid 5 M4</b> <b>22.76 dBV/m</b>	<b>Grid 6 M4</b> <b>22.71 dBV/m</b>
<b>Grid 7 M4</b> <b>26.22 dBV/m</b>	<b>Grid 8 M4</b> <b>24.38 dBV/m</b>	<b>Grid 9 M4</b> <b>22.55 dBV/m</b>



0 dB = 20.46 V/m = 26.22 dBV/m

### HAC-RF Emission

Frequency: 2506 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

### LTE Band 41 E-Field measurement/16QAM\_RB 1/50\_ch 39750/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 = 23.77 V/m; Power Drift = 0.02 dB

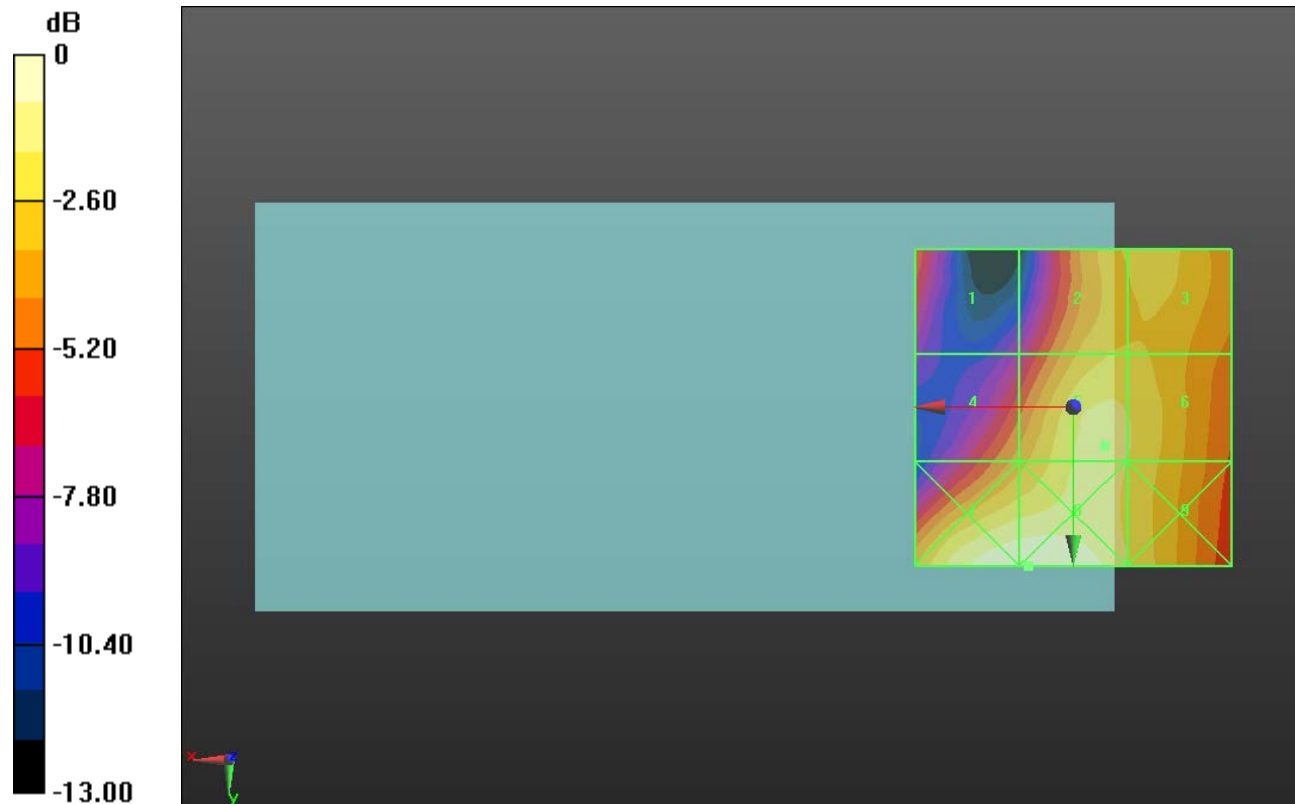
Applied MIF = -1.44 dB

RF audio interference level = 23.82 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>19.91 dBV/m</b>	Grid 2 <b>M4</b> <b>22.67 dBV/m</b>	Grid 3 <b>M4</b> <b>22.93 dBV/m</b>
Grid 4 <b>M4</b> <b>21.31 dBV/m</b>	Grid 5 <b>M4</b> <b>23.82 dBV/m</b>	Grid 6 <b>M4</b> <b>23.51 dBV/m</b>
Grid 7 <b>M4</b> <b>25.15 dBV/m</b>	Grid 8 <b>M4</b> <b>25.16 dBV/m</b>	Grid 9 <b>M4</b> <b>23.52 dBV/m</b>



0 dB = 18.10 V/m = 25.15 dBV/m

### HAC-RF Emission

Frequency: 2549.5 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

### LTE Band 41 E-Field measurement/16QAM\_RB 1/50\_ch 40185/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 = 28.20 V/m; Power Drift = -0.03 dB

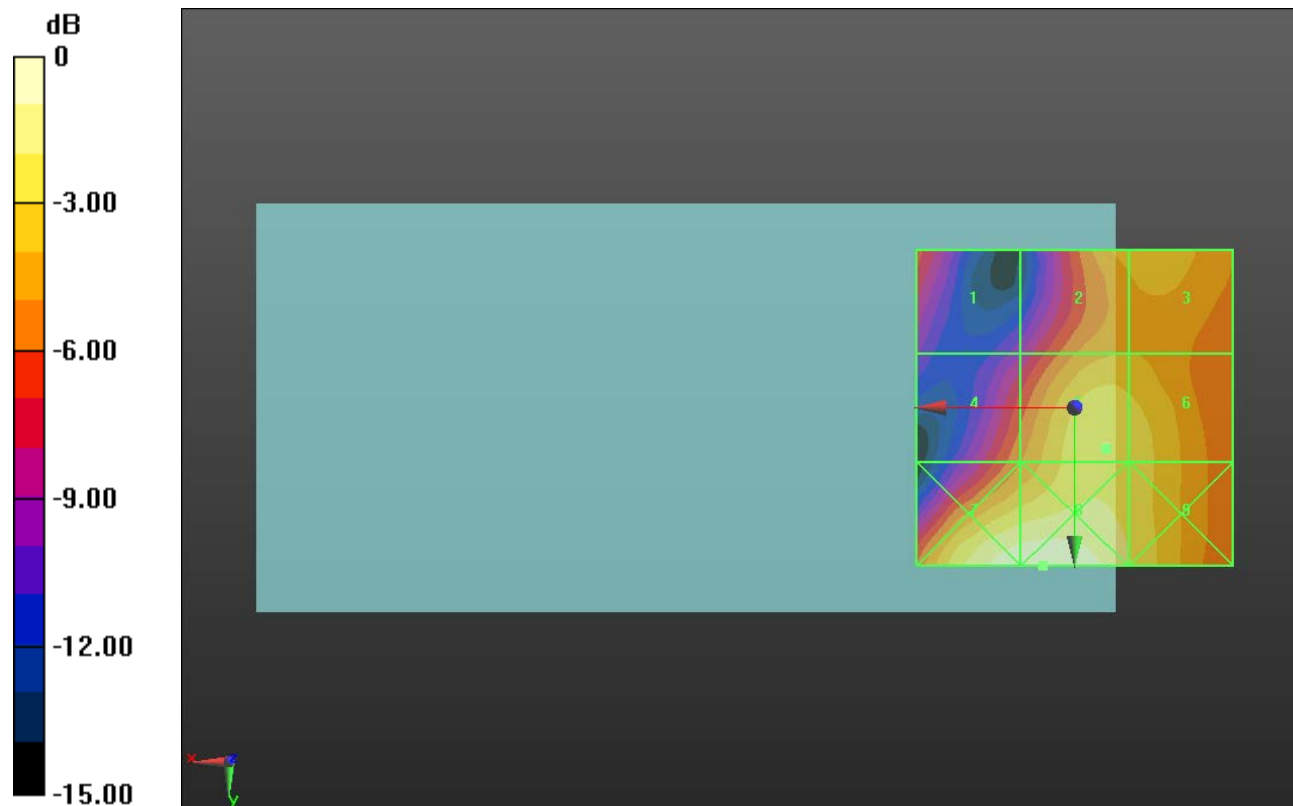
Applied MIF = -1.44 dB

RF audio interference level = 24.67 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>20.31 dBV/m</b>	Grid 2 <b>M4</b> <b>23.1 dBV/m</b>	Grid 3 <b>M4</b> <b>23.34 dBV/m</b>
Grid 4 <b>M4</b> <b>21.63 dBV/m</b>	Grid 5 <b>M4</b> <b>24.67 dBV/m</b>	Grid 6 <b>M4</b> <b>24.35 dBV/m</b>
Grid 7 <b>M4</b> <b>26.51 dBV/m</b>	Grid 8 <b>M4</b> <b>26.65 dBV/m</b>	Grid 9 <b>M4</b> <b>24.8 dBV/m</b>



0 dB = 21.49 V/m = 26.64 dBV/m



### HAC-RF Emission

Frequency: 2593 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $\sigma = 0 \text{ S/m}$ ,  $\epsilon_r = 1$ ;  $\rho = 0 \text{ kg/m}^3$

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

### LTE Band 41 E-Field measurement/16QAM\_RB 1/50\_ch 40620/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 = 17.52 V/m; Power Drift = -0.02 dB

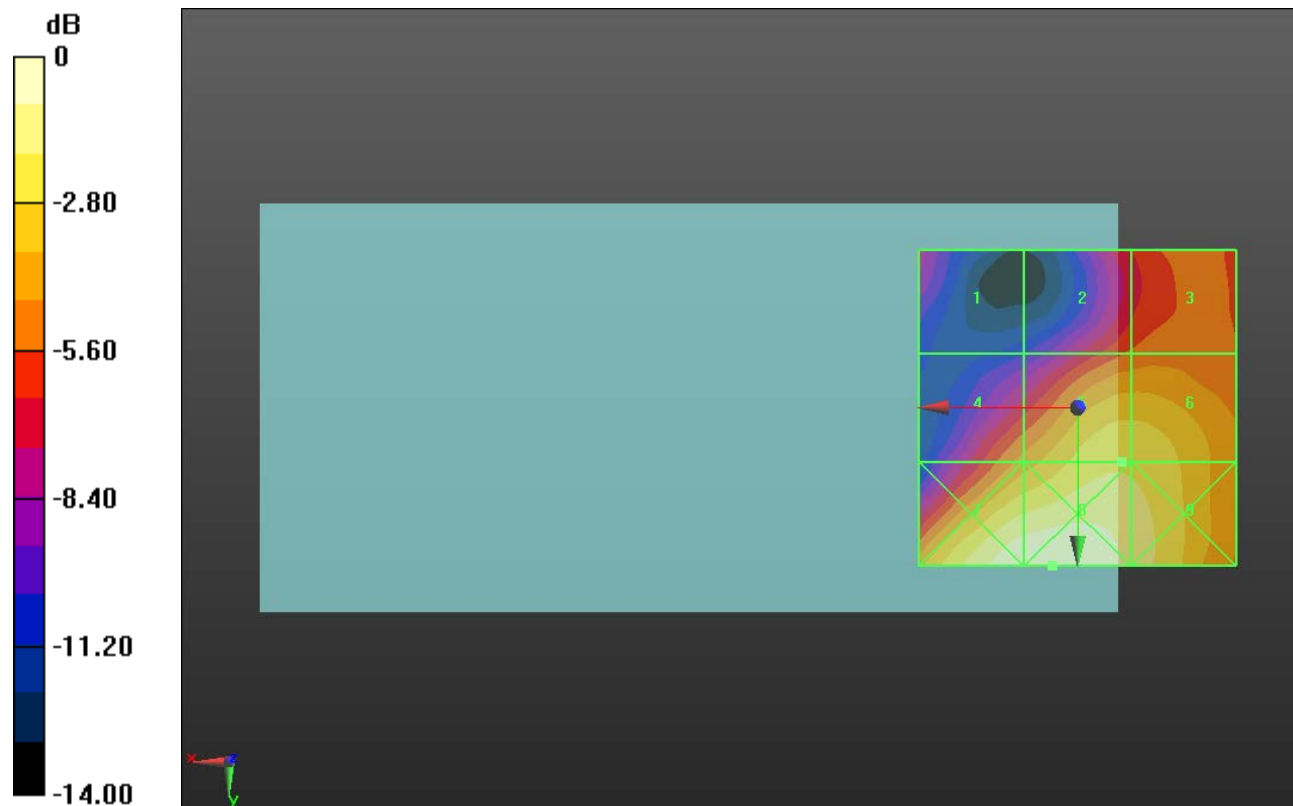
Applied MIF = -1.44 dB

RF audio interference level = 22.61 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>16.83 dBV/m</b>	Grid 2 <b>M4</b> <b>19.25 dBV/m</b>	Grid 3 <b>M4</b> <b>19.65 dBV/m</b>
Grid 4 <b>M4</b> <b>20.37 dBV/m</b>	Grid 5 <b>M4</b> <b>22.61 dBV/m</b>	Grid 6 <b>M4</b> <b>22.57 dBV/m</b>
Grid 7 <b>M4</b> <b>24.54 dBV/m</b>	Grid 8 <b>M4</b> <b>24.62 dBV/m</b>	Grid 9 <b>M4</b> <b>23.37 dBV/m</b>



0 dB = 17.02 V/m = 24.62 dBV/m

### HAC-RF Emission

Frequency: 2636.5 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

### LTE Band 41 E-Field measurement/16QAM\_RB 1/50\_ch 41055/Hearing Aid Compatibility Test (101x101x1):

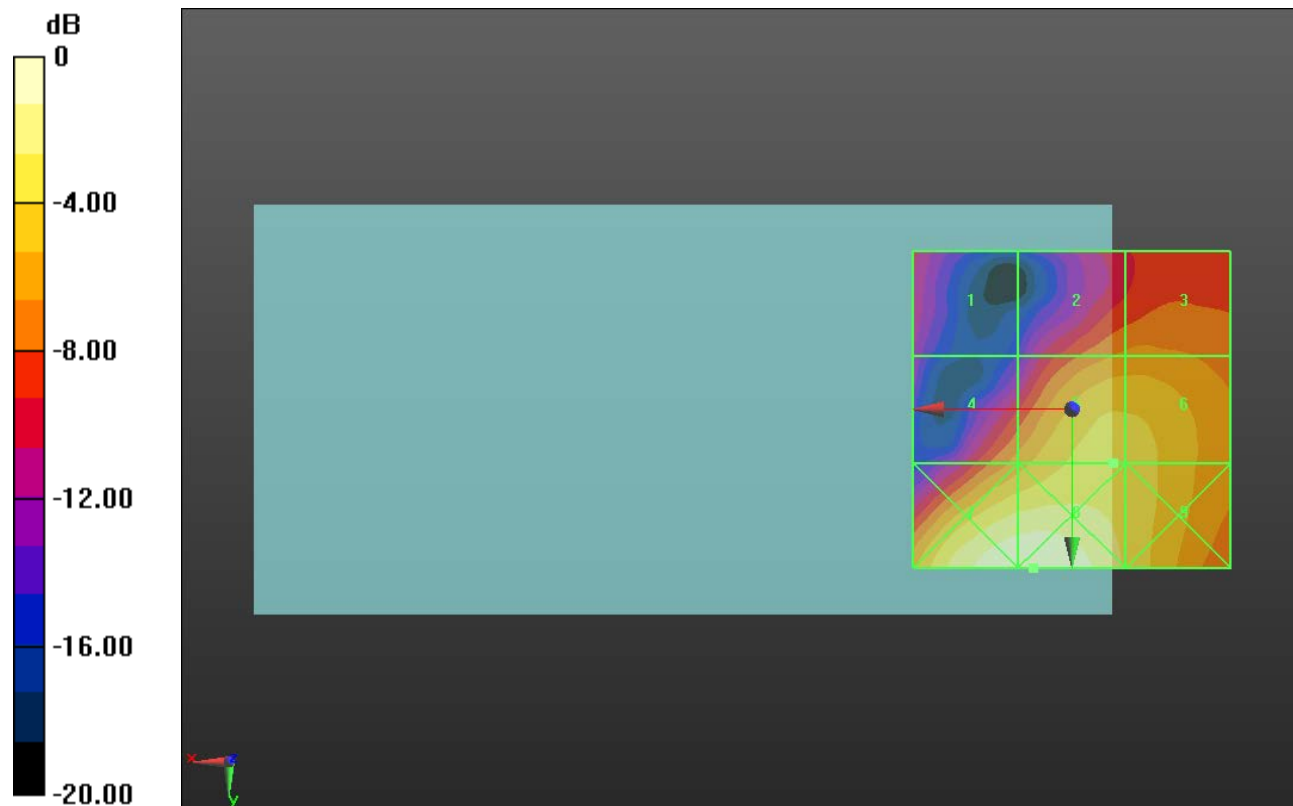
Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm  
 Reference Value = 18.63 V/m; Power Drift = -0.12 dB  
 Applied MIF = -1.44 dB  
 RF audio interference level = 22.00 dBV/m

Emission category: **M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>15.15 dBV/m</b>	Grid 2 <b>M4</b> <b>19.01 dBV/m</b>	Grid 3 <b>M4</b> <b>19.18 dBV/m</b>
Grid 4 <b>M4</b> <b>19.41 dBV/m</b>	Grid 5 <b>M4</b> <b>22 dBV/m</b>	Grid 6 <b>M4</b> <b>21.93 dBV/m</b>
Grid 7 <b>M4</b> <b>25.28 dBV/m</b>	Grid 8 <b>M4</b> <b>25.35 dBV/m</b>	Grid 9 <b>M4</b> <b>22.52 dBV/m</b>



0 dB = 18.52 V/m = 25.35 dBV/m

### HAC-RF Emission

Frequency: 2680 MHz; Duty Cycle: 1:8.87156; Room Ambient Temperature: 24.0°C; Liquid Temperature: 23.0°C  
 Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>

DASY5 Configuration:

- Area Scan Setting: Find Secondary Maximum Within: 2.0 dB and with a peak SAR value greater than 0.0012W/kg
- Electronics: DAE4 Sn1343; Calibrated: 8/21/2017
- Probe: EF3DV3 - SN4041; ConvF(1, 1, 1); Calibrated: 3/14/2017;
- Sensor-Surface: (Fix Surface)
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB; Serial: 1155

### LTE Band 41 E-Field measurement/16QAM\_RB 1/50\_ch 41490/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 = 14.50 V/m; Power Drift = -0.06 dB

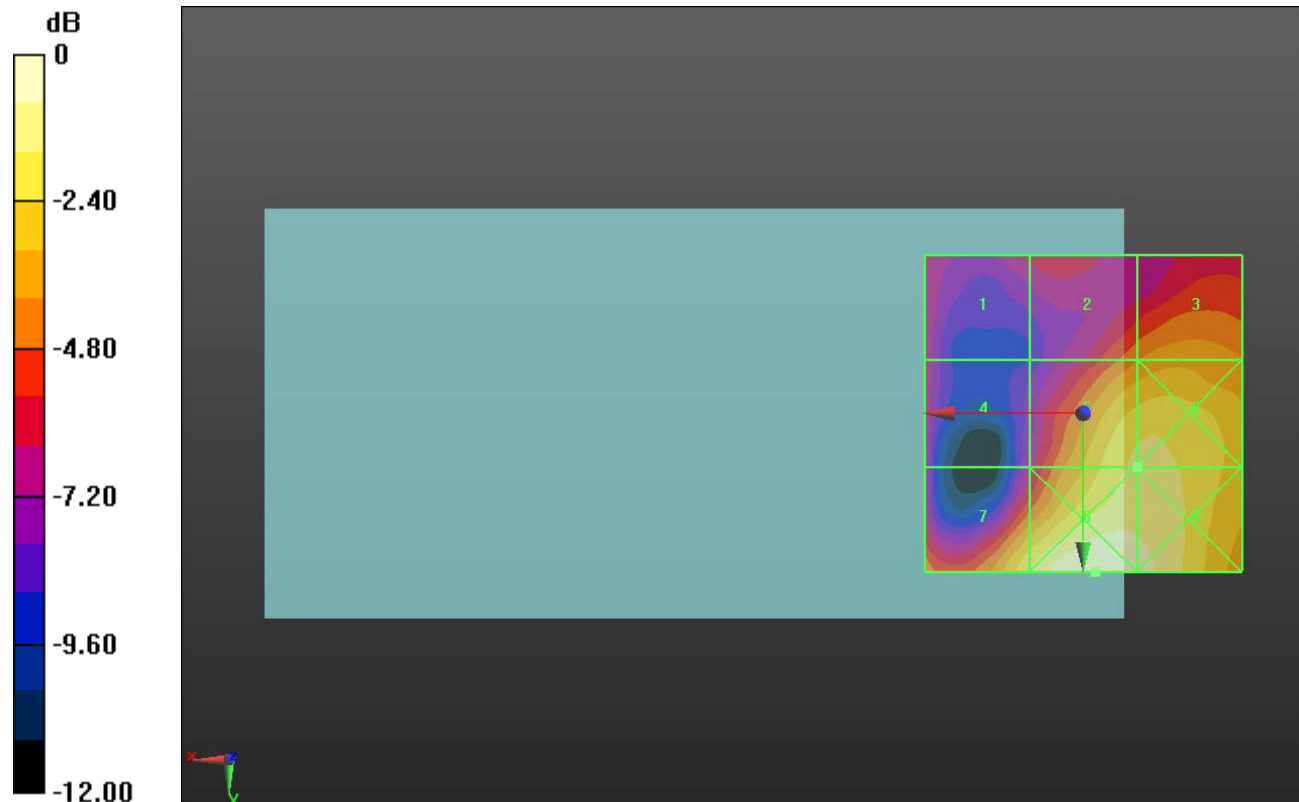
Applied MIF = -1.44 dB

RF audio interference level = 20.74 dBV/m

**Emission category: M4**

MIF scaled E-field

Grid 1 <b>M4</b> <b>16.08 dBV/m</b>	Grid 2 <b>M4</b> <b>18.11 dBV/m</b>	Grid 3 <b>M4</b> <b>18.74 dBV/m</b>
Grid 4 <b>M4</b> <b>15.92 dBV/m</b>	Grid 5 <b>M4</b> <b>20.74 dBV/m</b>	Grid 6 <b>M4</b> <b>20.81 dBV/m</b>
Grid 7 <b>M4</b> <b>20.58 dBV/m</b>	Grid 8 <b>M4</b> <b>22.17 dBV/m</b>	Grid 9 <b>M4</b> <b>21.77 dBV/m</b>



0 dB = 12.84 V/m = 22.17 dBV/m