HAC-RF Emission

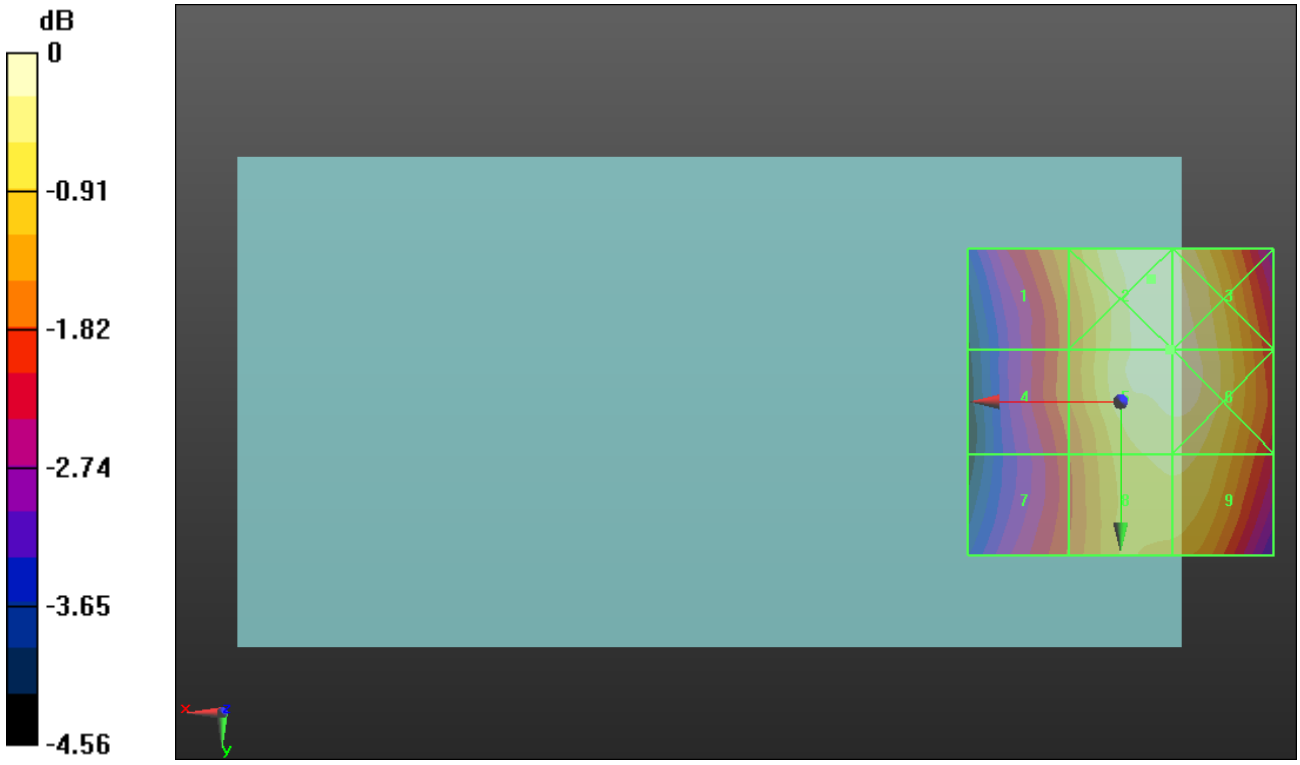
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 57.02 V/m; Power Drift = 0.04 dB
Applied MIF = 3.63 dB
RF audio interference level = 37.21 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **36.18 dBV/m**	Grid 2 **M4** **37.36 dBV/m**	Grid 3 **M4** **37.23 dBV/m**
Grid 4 **M4** **35.83 dBV/m**	Grid 5 **M4** **37.21 dBV/m**	Grid 6 **M4** **37.21 dBV/m**
Grid 7 **M4** **35.58 dBV/m**	Grid 8 **M4** **36.86 dBV/m**	Grid 9 **M4** **36.86 dBV/m**



0 dB = 73.75 V/m = 37.36 dBV/m

HAC-RF Emission

Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 52.36 V/m; Power Drift = -0.03 dB
Applied MIF = 3.63 dB
RF audio interference level = 36.91 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **35.44 dBV/m**	Grid 2 **M4** **36.87 dBV/m**	Grid 3 **M4** **36.88 dBV/m**
Grid 4 **M4** **35.47 dBV/m**	Grid 5 **M4** **36.91 dBV/m**	Grid 6 **M4** **36.92 dBV/m**
Grid 7 **M4** **35.16 dBV/m**	Grid 8 **M4** **36.55 dBV/m**	Grid 9 **M4** **36.55 dBV/m**

0 dB = 70.14 V/m = 36.92 dBV/m

HAC-RF Emission

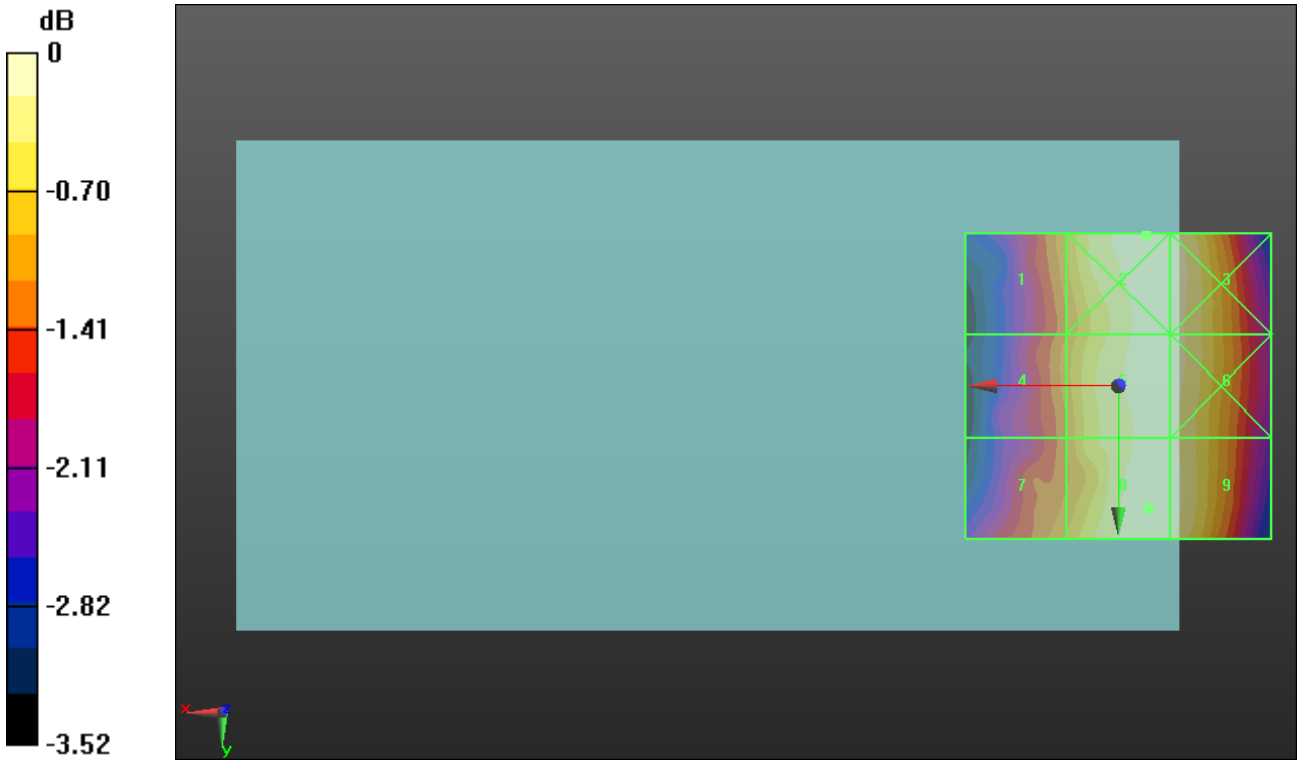
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

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 = 55.62 V/m; Power Drift = -0.12 dB
Applied MIF = 3.63 dB
RF audio interference level = 36.74 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **35.87 dBV/m**	Grid 2 **M4** **36.78 dBV/m**	Grid 3 **M4** **36.74 dBV/m**
Grid 4 **M4** **35.76 dBV/m**	Grid 5 **M4** **36.7 dBV/m**	Grid 6 **M4** **36.68 dBV/m**
Grid 7 **M4** **35.89 dBV/m**	Grid 8 **M4** **36.74 dBV/m**	Grid 9 **M4** **36.68 dBV/m**



0 dB = 69.04 V/m = 36.78 dBV/m

HAC-RF Emission

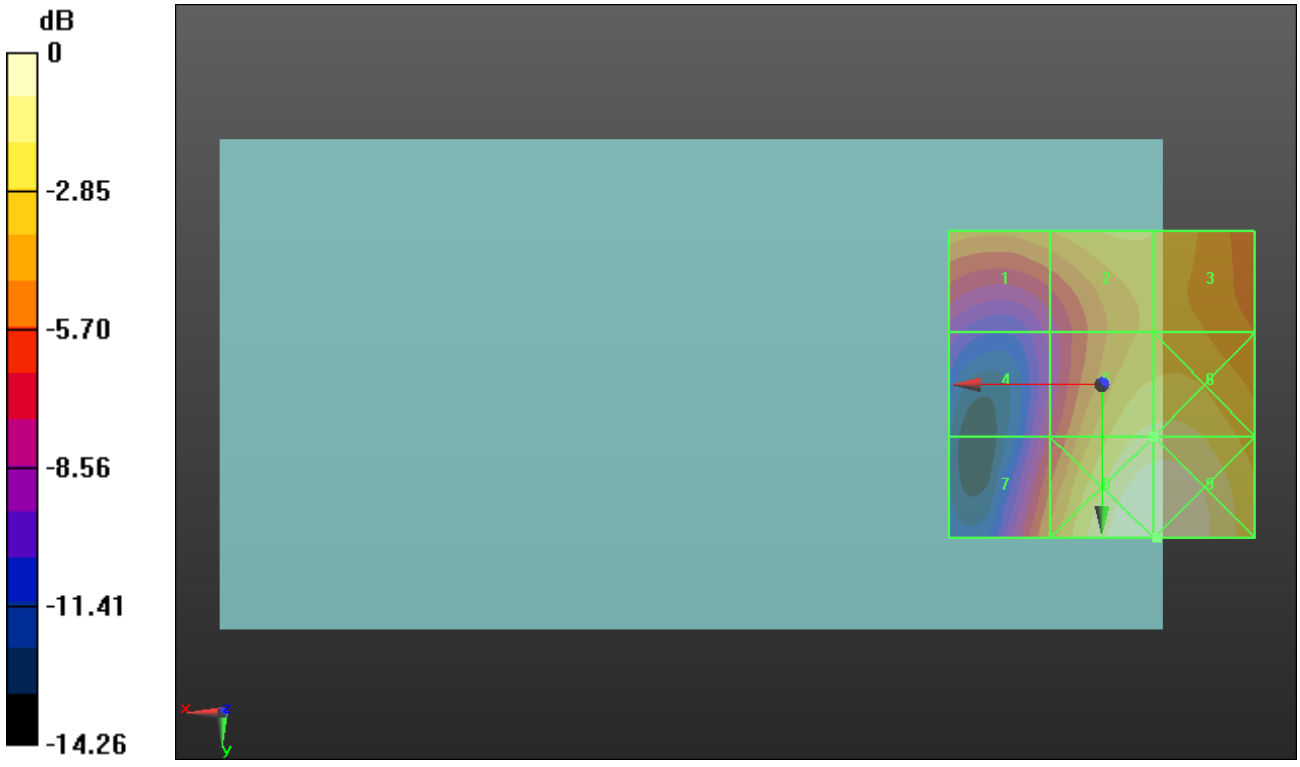
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field Repeated Measurement (Unit 1)/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 = 19.98 V/m; Power Drift = -0.07 dB
Applied MIF = 3.63 dB
RF audio interference level = 29.92 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **27.65 dBV/m**	Grid 2 **M4** **28.83 dBV/m**	Grid 3 **M4** **28.67 dBV/m**
Grid 4 **M4** **24.24 dBV/m**	Grid 5 **M4** **29.92 dBV/m**	Grid 6 **M4** **29.98 dBV/m**
Grid 7 **M4** **27.04 dBV/m**	Grid 8 **M3** **31.47 dBV/m**	Grid 9 **M3** **31.48 dBV/m**



0 dB = 37.49 V/m = 31.48 dBV/m

HAC-RF Emission

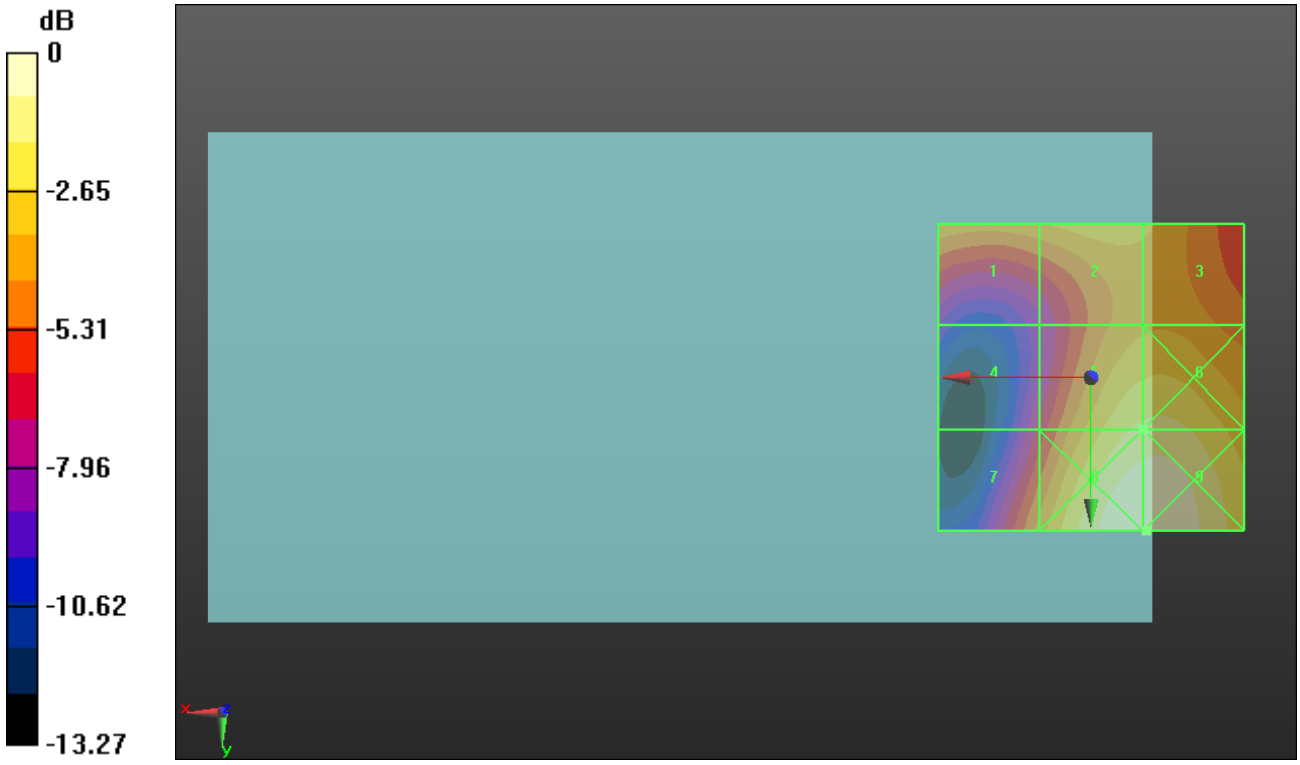
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field Repeated Measurement (Unit 1)/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 = 19.23 V/m; Power Drift = -0.09 dB
Applied MIF = 3.63 dB
RF audio interference level = 29.88 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **27.79 dBV/m**	Grid 2 **M4** **28.45 dBV/m**	Grid 3 **M4** **28.13 dBV/m**
Grid 4 **M4** **24.63 dBV/m**	Grid 5 **M4** **29.88 dBV/m**	Grid 6 **M4** **29.98 dBV/m**
Grid 7 **M4** **27.38 dBV/m**	Grid 8 **M3** **31.41 dBV/m**	Grid 9 **M3** **31.41 dBV/m**



0 dB = 37.21 V/m = 31.41 dBV/m

HAC-RF Emission

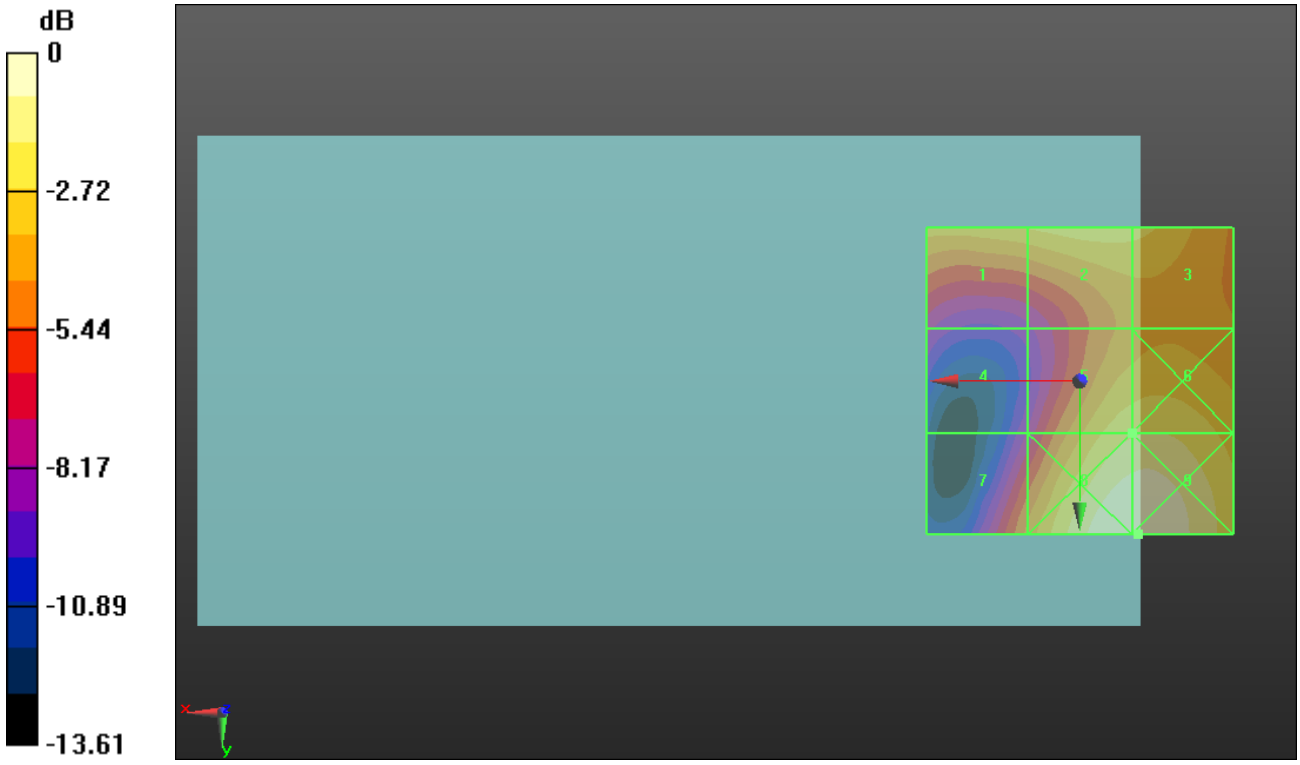
Communication System: UID 10021 - CAA, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896
Phantom section: RF Section
DASY5 Configuration:
- Probe: ER3DV6 - SN2509; ConvF(1, 1, 1); Calibrated: 5/14/2015;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1259; Calibrated: 1/14/2015
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BB
- Measurement SW: DASY52, Version 52.8 (7);SEMCAD X Version 14.6.10 (7164)

GSM1900 E-Field Repeated Measurement (Unit 1)/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 = 17.26 V/m; Power Drift = 0.28 dB
Applied MIF = 3.63 dB
RF audio interference level = 29.90 dBV/m
Emission category: M4

MIF scaled E-field

Grid 1 **M4** **29.16 dBV/m**	Grid 2 **M4** **29.69 dBV/m**	Grid 3 **M4** **29.5 dBV/m**
Grid 4 **M4** **24.07 dBV/m**	Grid 5 **M4** **29.9 dBV/m**	Grid 6 **M3** **30.05 dBV/m**
Grid 7 **M4** **27.65 dBV/m**	Grid 8 **M3** **31.82 dBV/m**	Grid 9 **M3** **31.83 dBV/m**



0 dB = 39.04 V/m = 31.83 dBV/m