



Appendix B. SAR Measurement Plots

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HAC Measurement plots of GSM850
HAC Measurement plots of GSM1900

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H715BL-GSM850-128CH**DUT: H715BL; Type: Smart Phone; Serial: SAR1**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 824.2 MHz; Duty Cycle: 1:8.6896

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

DASY Configuration:

- ζ Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2015-11-25;
- ζ Sensor-Surface: (Fix Surface), z = 8.7
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ζ DASY52 52.8.8(1222);

Device E-Field measurement (E-field scan for ANSI C63.19-2011 compliance)/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 = 49.02 V/m; Power Drift = -0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.94 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.05 dBV/m	Grid 2 M4 36.02 dBV/m	Grid 3 M4 36.03 dBV/m
Grid 4 M4 34 dBV/m	Grid 5 M4 35.94 dBV/m	Grid 6 M4 35.95 dBV/m
Grid 7 M4 34.25 dBV/m	Grid 8 M4 35.73 dBV/m	Grid 9 M4 35.73 dBV/m

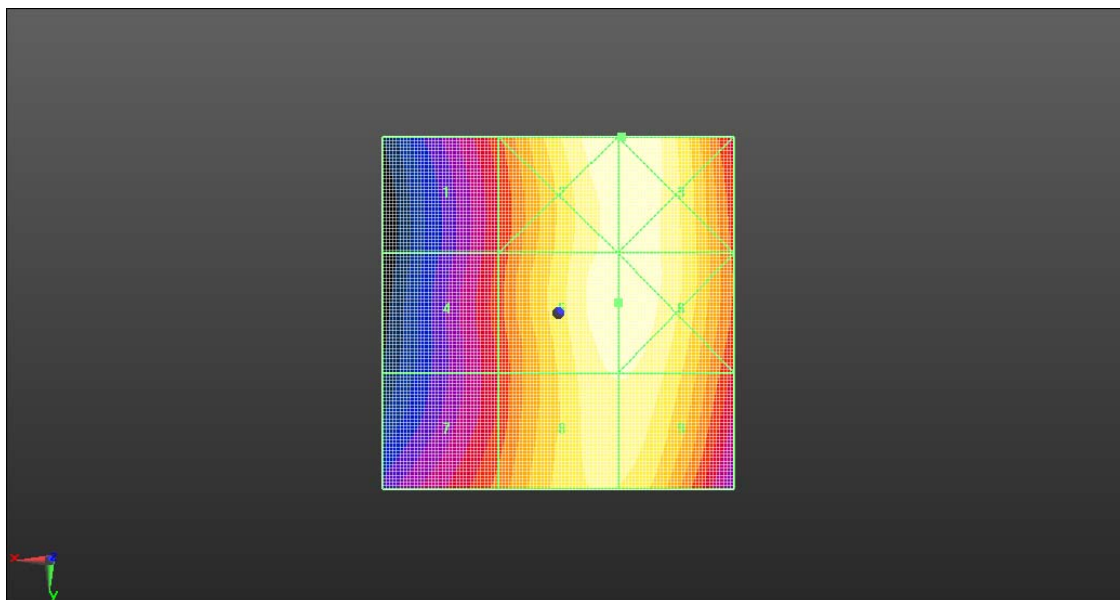
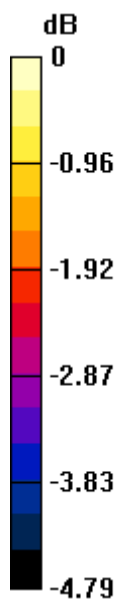
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 36.03 dBV/m

E Category: M4

Location: -9, -25, 8.7 mm



0 dB = 63.30 V/m = 36.03 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H715BL-GSM850-190CH**DUT: H715BL; Type: Smart Phone; Serial: SAR1**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 836.6 MHz; Duty Cycle: 1:8.6896

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

DASY Configuration:

- ζ Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2015-11-25;
- ζ Sensor-Surface: (Fix Surface), z = 8.7
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ζ DASY52 52.8.8(1222);

Device E-Field measurement (E-field scan for ANSI C63.19-2011 compliance)/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 = 49.24 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 35.91 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.96 dBV/m	Grid 2 M4 35.99 dBV/m	Grid 3 M4 35.99 dBV/m
Grid 4 M4 34.05 dBV/m	Grid 5 M4 35.91 dBV/m	Grid 6 M4 35.92 dBV/m
Grid 7 M4 34.34 dBV/m	Grid 8 M4 35.73 dBV/m	Grid 9 M4 35.73 dBV/m

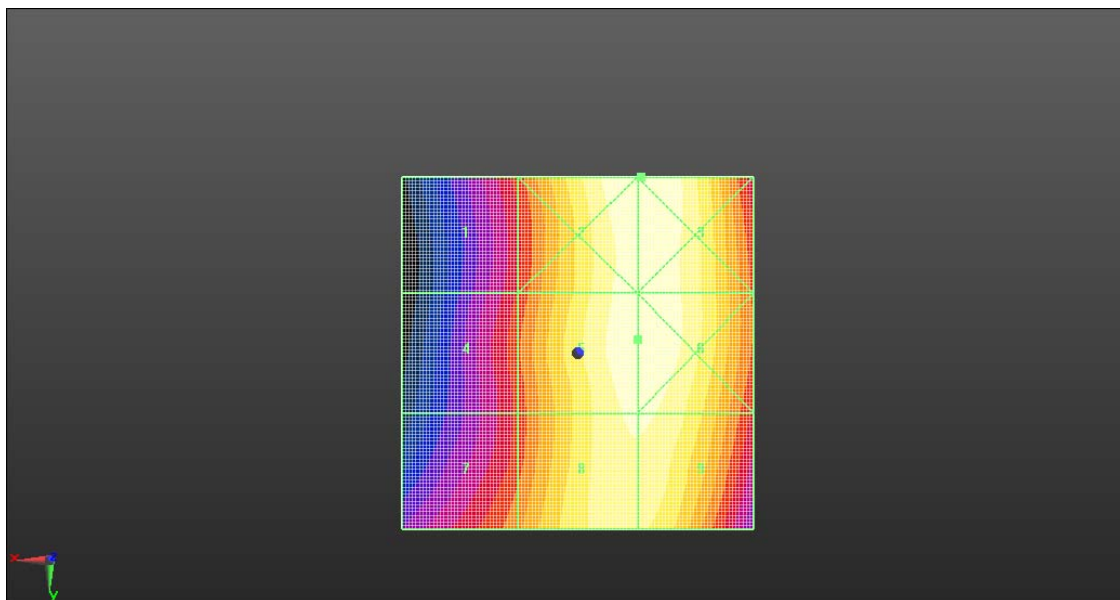
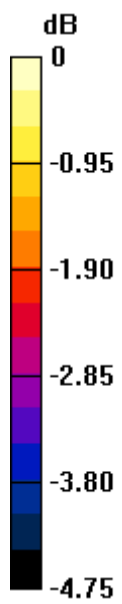
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 35.99 dBV/m

E Category: M4

Location: -9, -25, 8.7 mm



0 dB = 63.04 V/m = 35.99 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H715BL-GSM850-251CH**DUT: H715BL; Type: Smart Phone; Serial: SAR1**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 848.8 MHz; Duty Cycle: 1:8.6896

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

DASY Configuration:

- ζ Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2015-11-25;
- ζ Sensor-Surface: (Fix Surface), z = 8.7
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ζ DASY52 52.8.8(1222);

Device E-Field measurement (E-field scan for ANSI C63.19-2011 compliance)/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 = 50.06 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 36.18 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 34.29 dBV/m	Grid 2 M4 36.33 dBV/m	Grid 3 M4 36.33 dBV/m
Grid 4 M4 34.27 dBV/m	Grid 5 M4 36.18 dBV/m	Grid 6 M4 36.18 dBV/m
Grid 7 M4 34.53 dBV/m	Grid 8 M4 35.95 dBV/m	Grid 9 M4 35.96 dBV/m

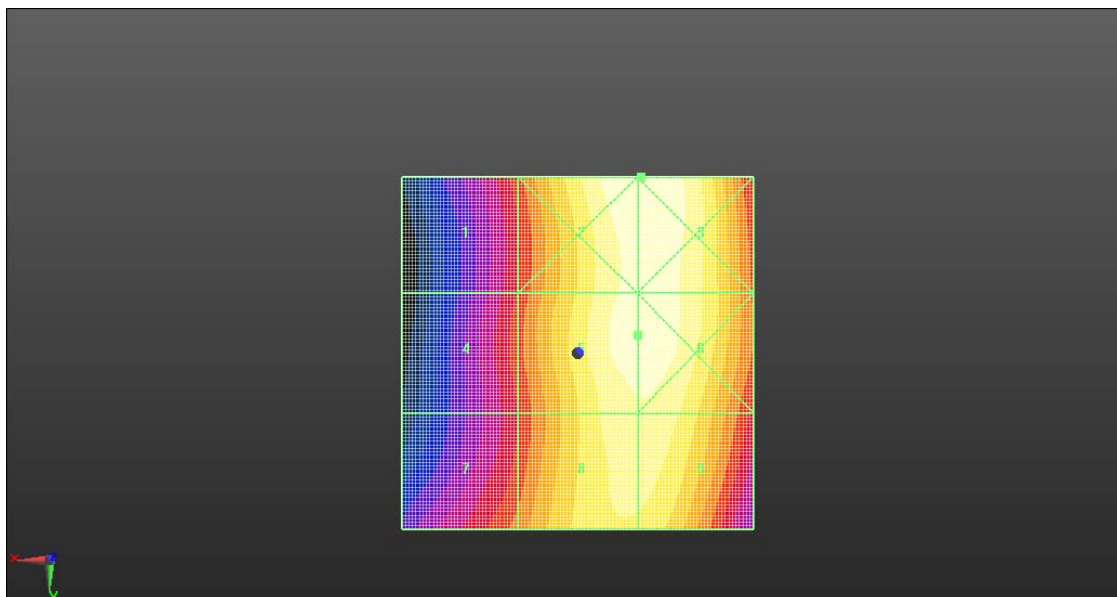
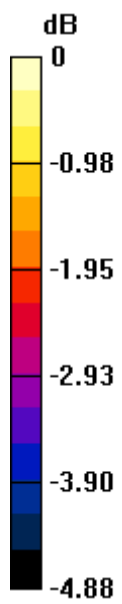
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 36.33 dBV/m

E Category: M4

Location: -9, -25, 8.7 mm



0 dB = 65.54 V/m = 36.33 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H715BL-GSM1900-512CH**DUT: H715BL; Type: Smart Phone; Serial: SAR1**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1850.2 MHz; Duty Cycle: 1:8.6896

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

DASY Configuration:

- ζ Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2015-11-25;
- ζ Sensor-Surface: (Fix Surface), z = 8.7
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ζ DASY52 52.8.8(1222);

Device E-Field measurement (E-field scan for ANSI C63.19-2011 compliance)/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 = 16.02 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 29.75 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.23 dBV/m	Grid 2 M4 27.37 dBV/m	Grid 3 M4 27.42 dBV/m
Grid 4 M4 24.38 dBV/m	Grid 5 M4 29.75 dBV/m	Grid 6 M3 30.18 dBV/m
Grid 7 M4 26.24 dBV/m	Grid 8 M3 31.87 dBV/m	Grid 9 M3 32.05 dBV/m

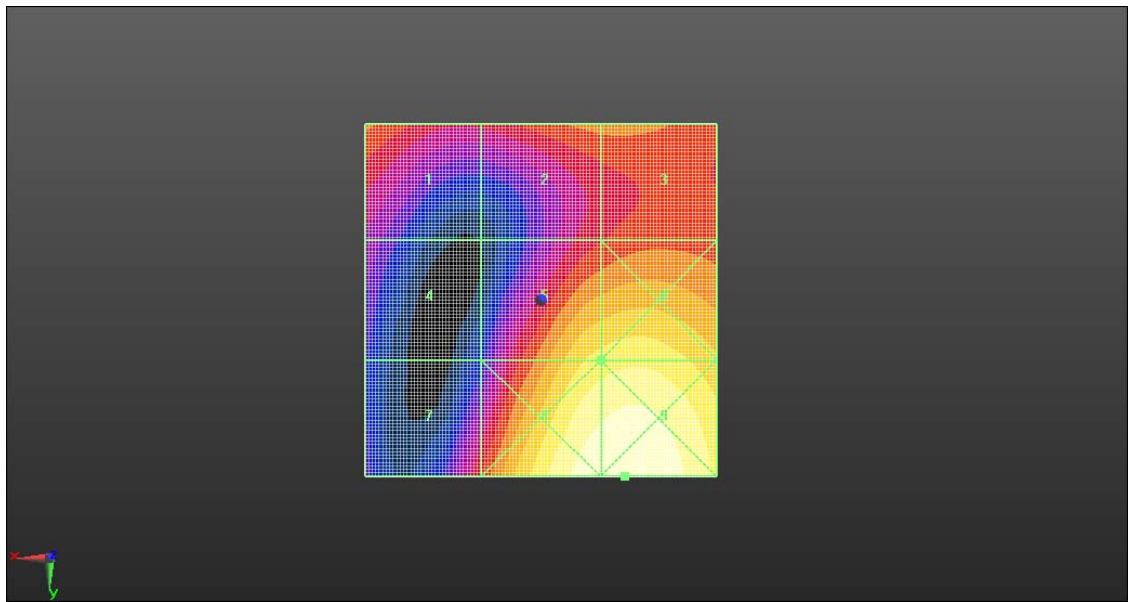
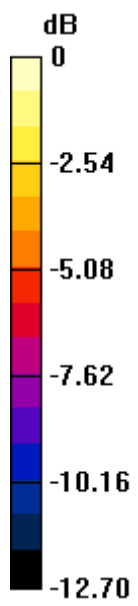
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 32.05 dBV/m

E Category: M3

Location: -12, 25, 8.7 mm



0 dB = 40.04 V/m = 32.05 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H715BL-GSM1900-661CH**DUT: H715BL; Type: Smart Phone; Serial: SAR1**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1880 MHz; Duty Cycle: 1:8.6896

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

DASY Configuration:

- ζ Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2015-11-25;
- ζ Sensor-Surface: (Fix Surface), z = 8.7
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ζ DASY52 52.8.8(1222);

Device E-Field measurement (E-field scan for ANSI C63.19-2011 compliance)/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 = 12.89 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 28.28 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.98 dBV/m	Grid 2 M4 25.92 dBV/m	Grid 3 M4 25.93 dBV/m
Grid 4 M4 24.68 dBV/m	Grid 5 M4 28.28 dBV/m	Grid 6 M4 28.7 dBV/m
Grid 7 M4 24.28 dBV/m	Grid 8 M3 30.36 dBV/m	Grid 9 M3 30.61 dBV/m

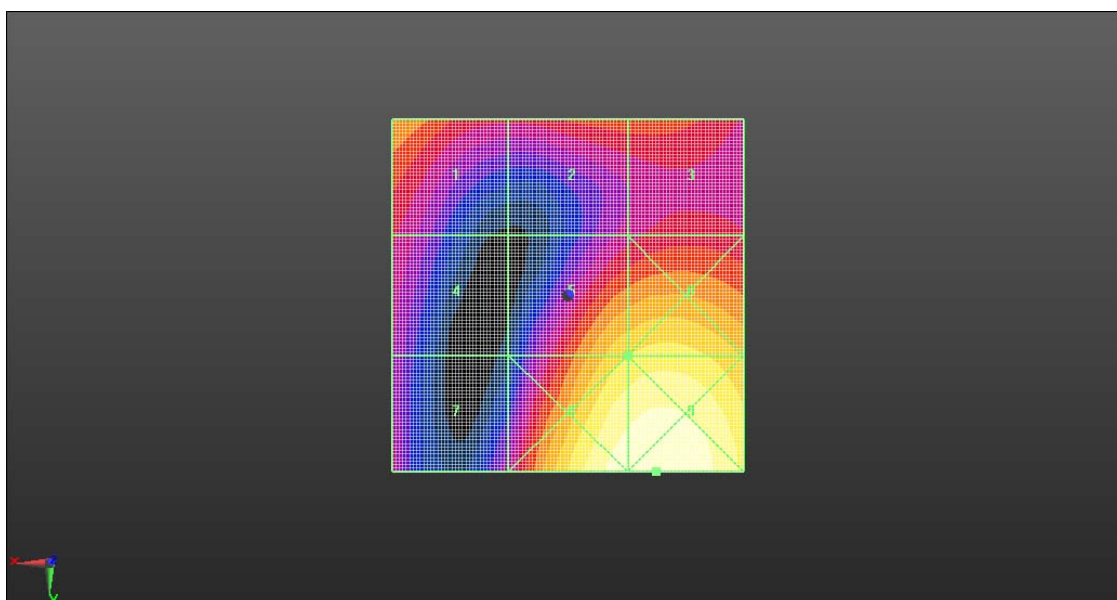
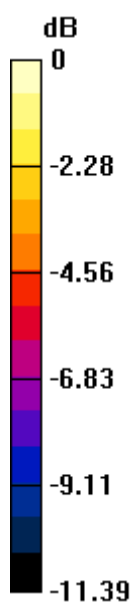
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 30.61 dBV/m

E Category: M3

Location: -12.5, 25, 8.7 mm



0 dB = 33.91 V/m = 30.61 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H715BL-GSM1900-810CH**DUT: H715BL; Type: Smart Phone; Serial: SAR1**

Communication System: UID 10021 - DAB, GSM-FDD (TDMA, GMSK); Frequency: 1909.8 MHz; Duty Cycle: 1:8.6896

Medium parameters used: $\sigma = 0$ S/m, $\epsilon_r = 1$; $\rho = 0$ kg/m³

Phantom section: RF Section

DASY Configuration:

- ζ Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2015-11-25;
- ζ Sensor-Surface: (Fix Surface), z = 8.7
- ζ Electronics: DAE4 Sn851; Calibrated: 2015-7-20
- ζ Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- ζ DASY52 52.8.8(1222);

Device E-Field measurement (E-field scan for ANSI C63.19-2011 compliance)/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 = 9.819 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.93 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.93 dBV/m	Grid 2 M4 25.32 dBV/m	Grid 3 M4 25.31 dBV/m
Grid 4 M4 25.31 dBV/m	Grid 5 M4 26.81 dBV/m	Grid 6 M4 27.66 dBV/m
Grid 7 M4 25.45 dBV/m	Grid 8 M4 28.94 dBV/m	Grid 9 M4 29.38 dBV/m

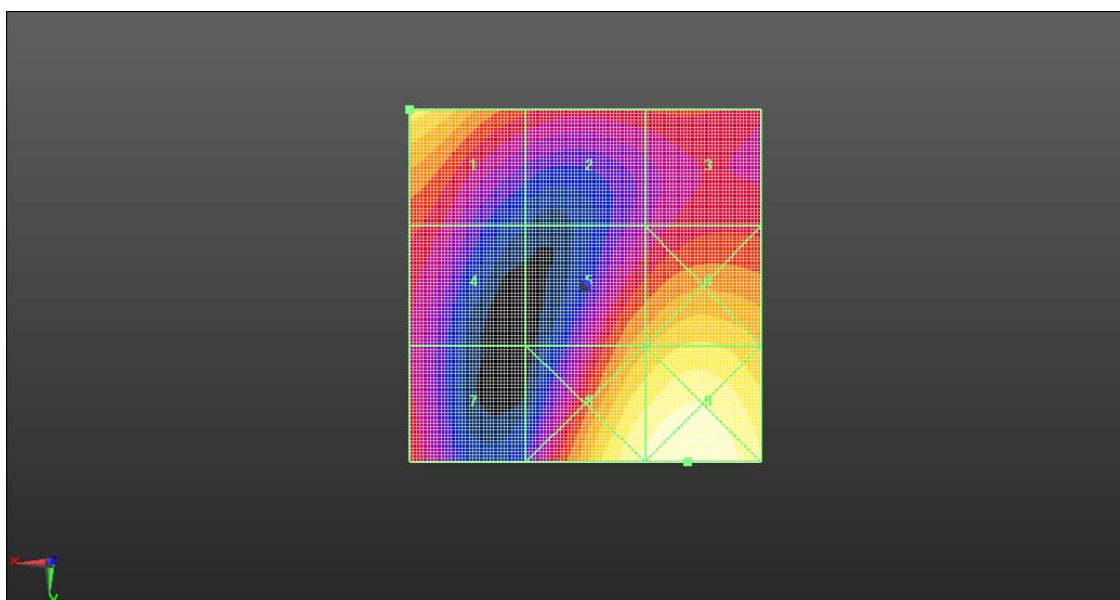
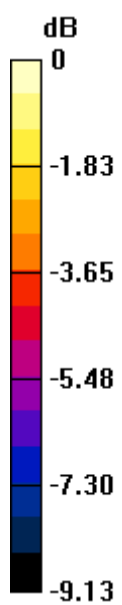
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 29.38 dBV/m

E Category: M4

Location: -14.5, 25, 8.7 mm



0 dB = 29.46 V/m = 29.38 dBV/m