



Appendix B. SAR Measurement Plots

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HAC(RF) Measurement plots of GSM850 (Second Antenna)
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HAC(RF) Measurement plots of GSM1900 (Main Antenna)

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM850-251CH Second Antenna**DUT: FRD-L04; 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 = 67.77 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.87 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 43.91 dBV/m	Grid 2 M2 45.89 dBV/m	Grid 3 M3 43.97 dBV/m
Grid 4 M4 39.17 dBV/m	Grid 5 M3 40.87 dBV/m	Grid 6 M4 39.7 dBV/m
Grid 7 M4 34.48 dBV/m	Grid 8 M4 35.7 dBV/m	Grid 9 M4 35.67 dBV/m

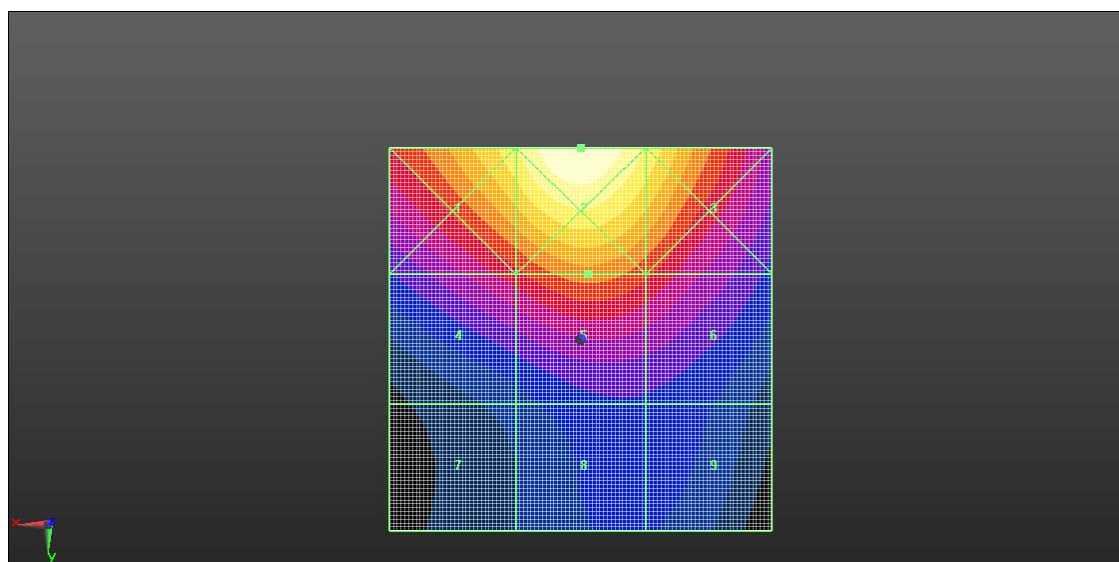
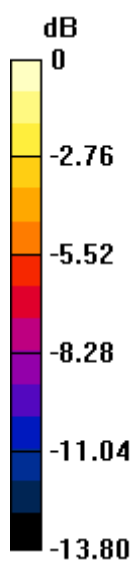
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 45.89 dBV/m

E Category: M2

Location: 0, -25, 8.7 mm



0 dB = 197.0 V/m = 45.89 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM850-190CH Second Antenna**DUT: FRD-L04; 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 = 62.93 V/m; Power Drift = -0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.09 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 43.08 dBV/m	Grid 2 M2 45.04 dBV/m	Grid 3 M3 43.15 dBV/m
Grid 4 M4 38.38 dBV/m	Grid 5 M3 40.09 dBV/m	Grid 6 M4 39 dBV/m
Grid 7 M4 34.02 dBV/m	Grid 8 M4 35.29 dBV/m	Grid 9 M4 35.26 dBV/m

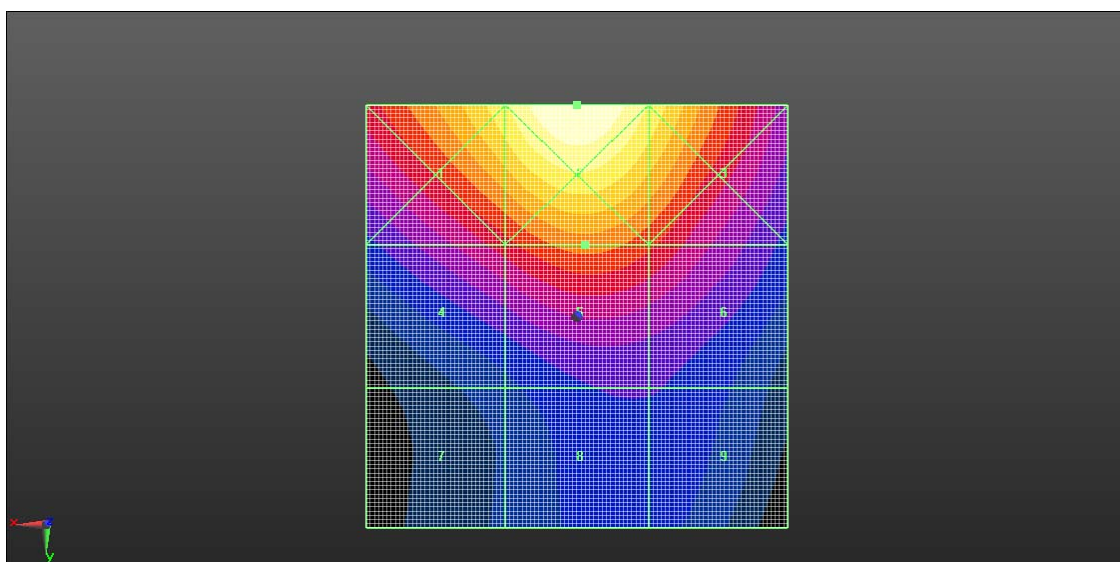
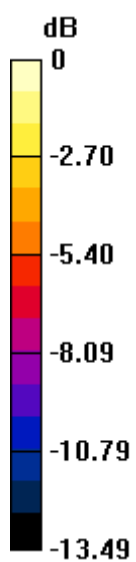
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 45.04 dBV/m

E Category: M2

Location: 0, -25, 8.7 mm



0 dB = 178.6 V/m = 45.04 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM850-128CH Second Antenna**DUT: FRD-L04; 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 = 51.74 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.39 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M3 41.3 dBV/m	Grid 2 M3 43.34 dBV/m	Grid 3 M3 41.53 dBV/m
Grid 4 M4 36.57 dBV/m	Grid 5 M4 38.39 dBV/m	Grid 6 M4 37.39 dBV/m
Grid 7 M4 32.32 dBV/m	Grid 8 M4 33.94 dBV/m	Grid 9 M4 33.95 dBV/m

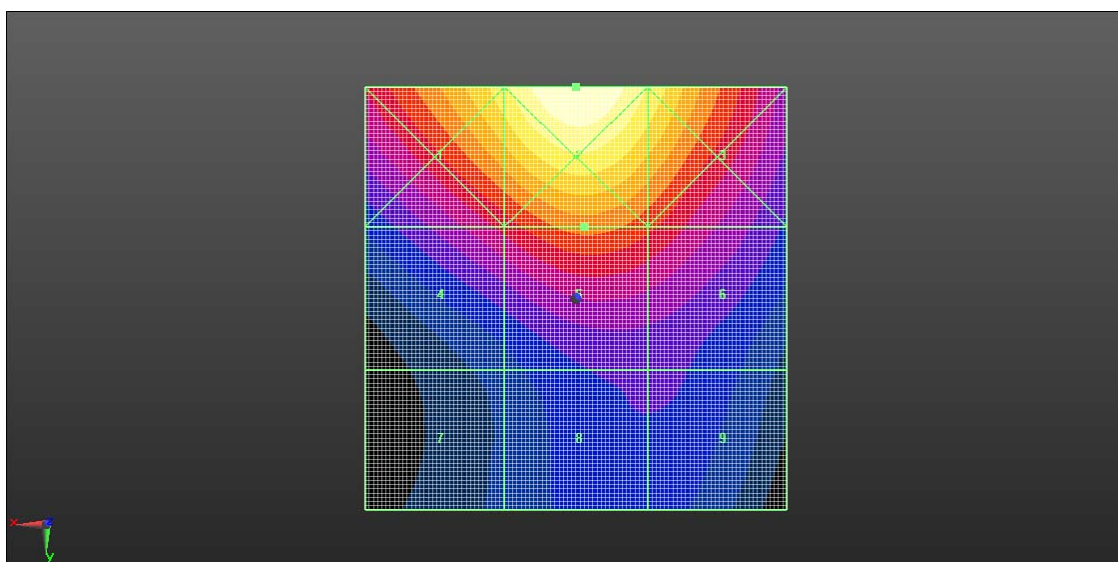
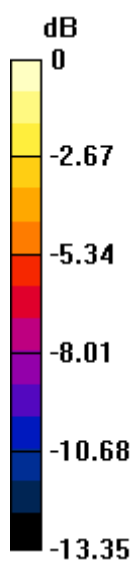
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 43.34 dBV/m

E Category: M3

Location: 0, -25, 8.7 mm



0 dB = 146.9 V/m = 43.34 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM850-251CH Second Antenna with Battery 2**DUT: FRD-L04; 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 = 66.72 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 40.73 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 43.8 dBV/m	Grid 2 M2 45.74 dBV/m	Grid 3 M3 43.83 dBV/m
Grid 4 M4 39.02 dBV/m	Grid 5 M3 40.73 dBV/m	Grid 6 M4 39.55 dBV/m
Grid 7 M4 34.35 dBV/m	Grid 8 M4 35.55 dBV/m	Grid 9 M4 35.53 dBV/m

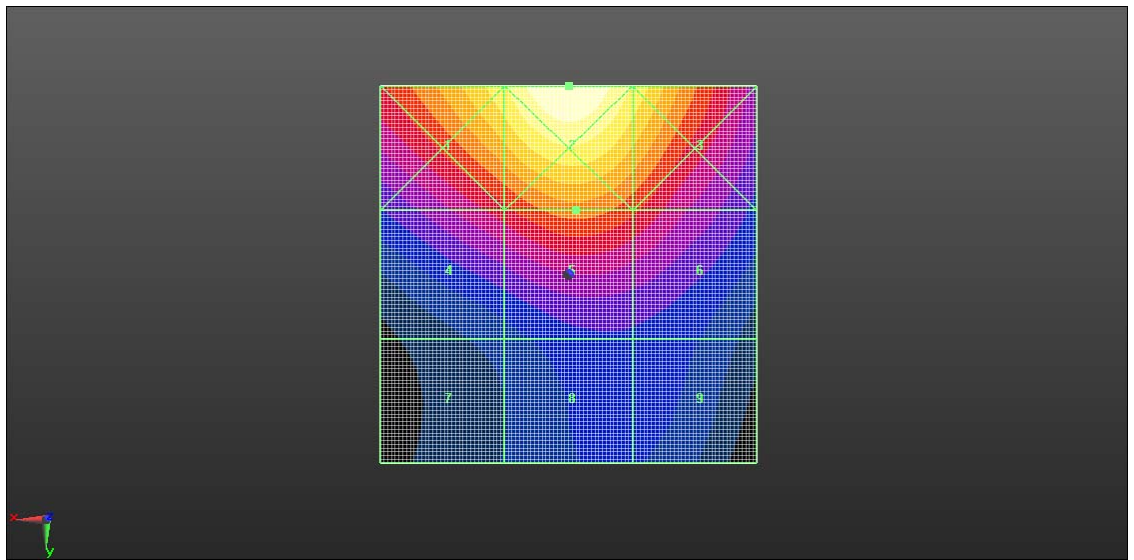
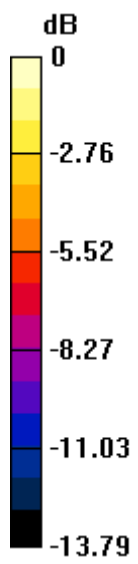
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 45.74 dBV/m

E Category: M2

Location: 0, -25, 8.7 mm



0 dB = 193.7 V/m = 45.74 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM850-251CH Second Antenna with Battery 3**DUT: FRD-L04; 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 = 74.44 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 41.43 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 44.05 dBV/m	Grid 2 M2 46.19 dBV/m	Grid 3 M3 44.33 dBV/m
Grid 4 M4 39.5 dBV/m	Grid 5 M3 41.43 dBV/m	Grid 6 M3 40.27 dBV/m
Grid 7 M4 34.84 dBV/m	Grid 8 M4 36.29 dBV/m	Grid 9 M4 36.26 dBV/m

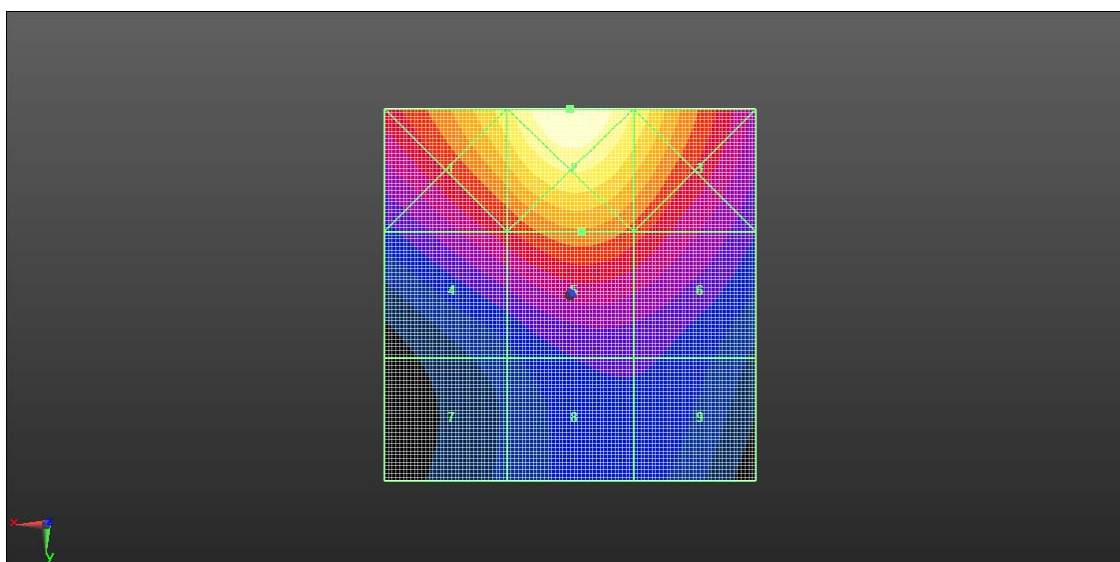
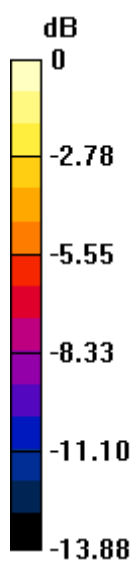
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 46.19 dBV/m

E Category: M2

Location: 0, -25, 8.7 mm



0 dB = 203.8 V/m = 46.18 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM850-251CH Main Antenna**DUT: FRD-L04; 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 = 38.31 V/m; Power Drift = -0.10 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.73 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 32.07 dBV/m	Grid 2 M4 33.08 dBV/m	Grid 3 M4 33.06 dBV/m
Grid 4 M4 32.36 dBV/m	Grid 5 M4 33.73 dBV/m	Grid 6 M4 33.73 dBV/m
Grid 7 M4 33.38 dBV/m	Grid 8 M4 34.26 dBV/m	Grid 9 M4 34.22 dBV/m

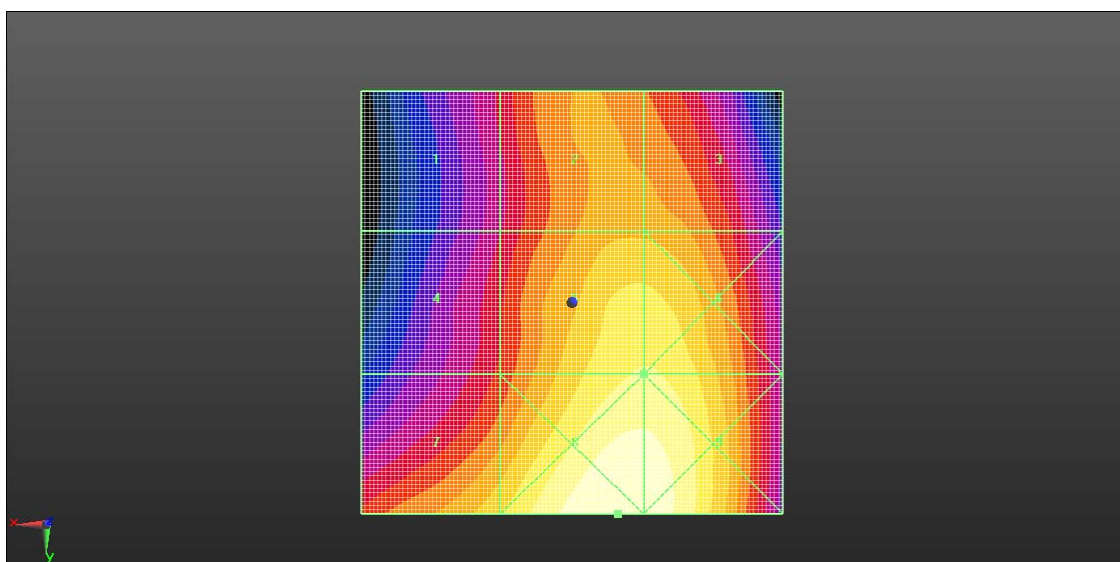
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 34.26 dBV/m

E Category: M4

Location: -5.5, 25, 8.7 mm



0 dB = 51.67 V/m = 34.26 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM850-190CH Main Antenna**DUT: FRD-L04; 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 = 42.71 V/m; Power Drift = -0.09 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.55 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.33 dBV/m	Grid 2 M4 34.01 dBV/m	Grid 3 M4 33.97 dBV/m
Grid 4 M4 33.28 dBV/m	Grid 5 M4 34.55 dBV/m	Grid 6 M4 34.53 dBV/m
Grid 7 M4 34.15 dBV/m	Grid 8 M4 35.01 dBV/m	Grid 9 M4 34.97 dBV/m

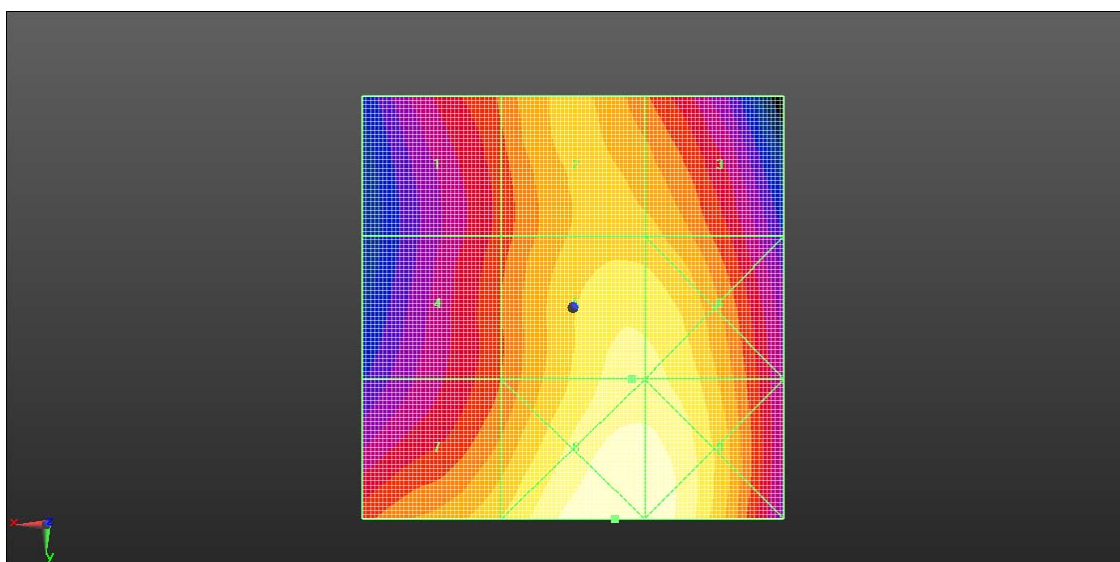
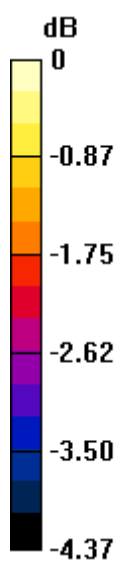
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 35.01 dBV/m

E Category: M4

Location: -5, 25, 8.7 mm



0 dB = 56.30 V/m = 35.01 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM850-128CH Main Antenna**DUT: FRD-L04; 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 = 41.57 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.33 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.85 dBV/m	Grid 2 M4 34.33 dBV/m	Grid 3 M4 33.68 dBV/m
Grid 4 M4 33.22 dBV/m	Grid 5 M4 34.17 dBV/m	Grid 6 M4 34.17 dBV/m
Grid 7 M4 33.99 dBV/m	Grid 8 M4 34.69 dBV/m	Grid 9 M4 34.63 dBV/m

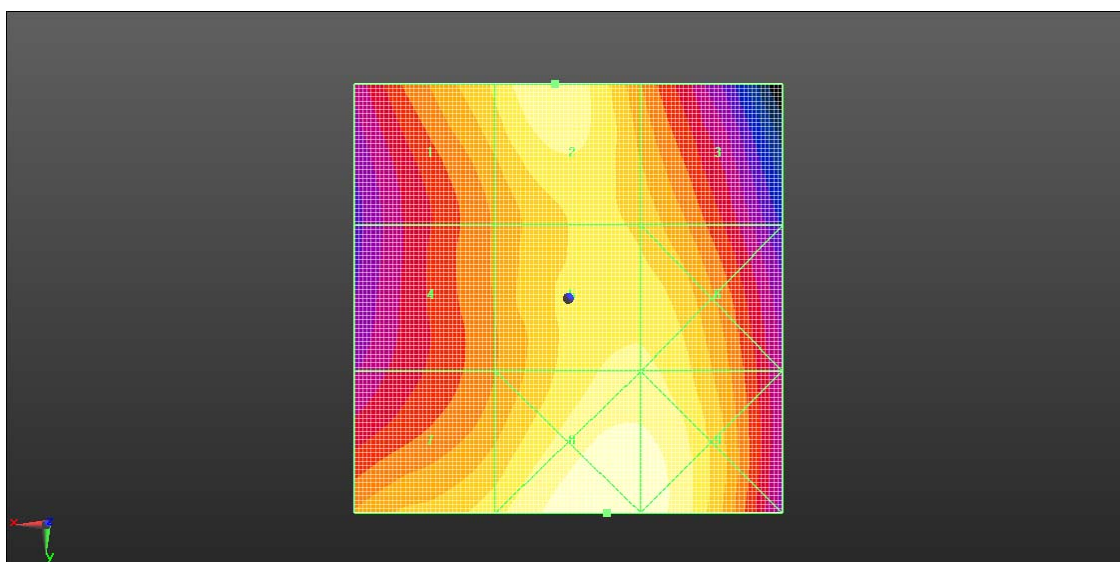
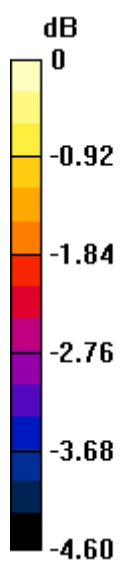
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 34.69 dBV/m

E Category: M4

Location: -4.5, 25, 8.7 mm



0 dB = 54.29 V/m = 34.69 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM850-190CH Main Antenna with Battery 2**DUT: FRD-L04; 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 = 39.04 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 33.73 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.03 dBV/m	Grid 2 M4 33.42 dBV/m	Grid 3 M4 33.07 dBV/m
Grid 4 M4 32.76 dBV/m	Grid 5 M4 33.73 dBV/m	Grid 6 M4 33.69 dBV/m
Grid 7 M4 33.63 dBV/m	Grid 8 M4 34.18 dBV/m	Grid 9 M4 34.07 dBV/m

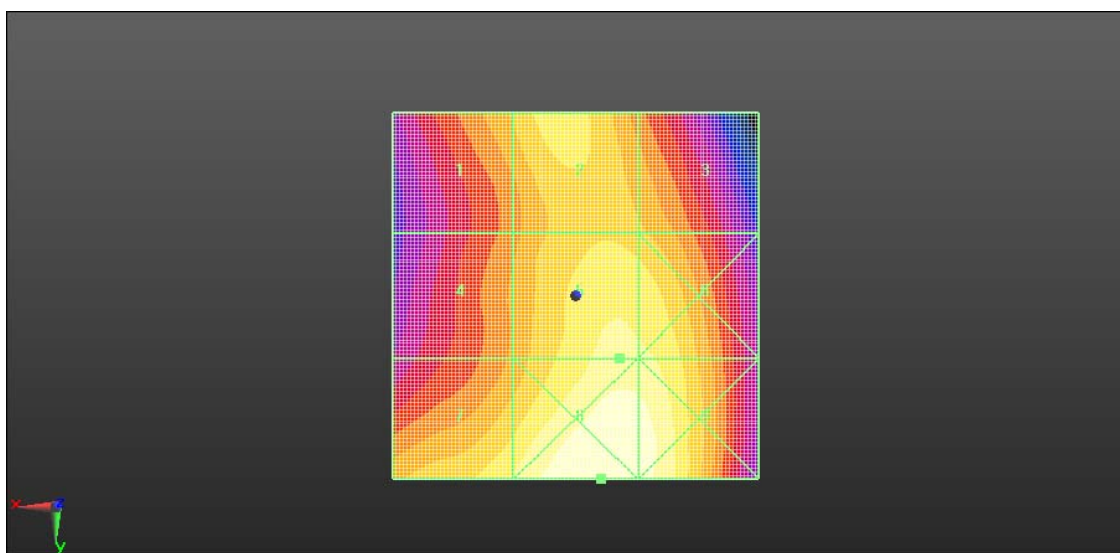
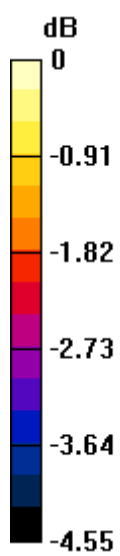
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 34.18 dBV/m

E Category: M4

Location: -3.5, 25, 8.7 mm



0 dB = 51.19 V/m = 34.18 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM850-190CH Main Antenna with Battery 3**DUT: FRD-L04; 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 = 42.95 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 34.67 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 33.33 dBV/m	Grid 2 M4 34.09 dBV/m	Grid 3 M4 34.05 dBV/m
Grid 4 M4 33.5 dBV/m	Grid 5 M4 34.67 dBV/m	Grid 6 M4 34.66 dBV/m
Grid 7 M4 34.41 dBV/m	Grid 8 M4 35.1 dBV/m	Grid 9 M4 35.05 dBV/m

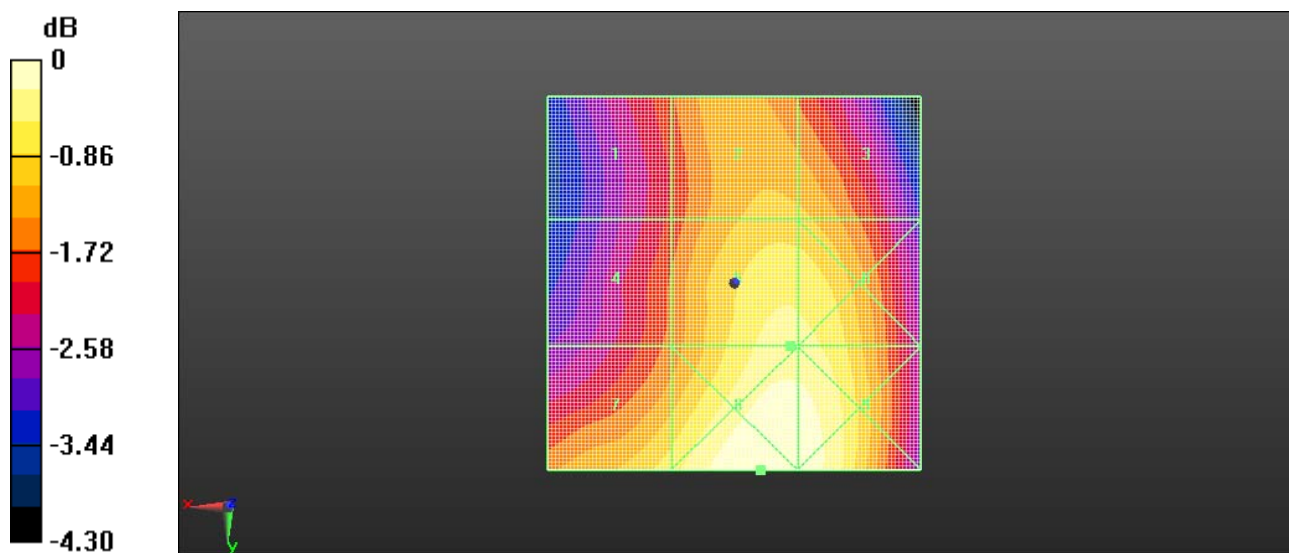
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 35.10 dBV/m

E Category: M4

Location: -3.5, 25, 8.7 mm



Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM1900-810CH Main Antenna**DUT: FRD-L04; 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 = 7.367 V/m; Power Drift = 0.12 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.68 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.34 dBV/m	Grid 2 M4 27.4 dBV/m	Grid 3 M4 27.6 dBV/m
Grid 4 M4 23.15 dBV/m	Grid 5 M4 24.85 dBV/m	Grid 6 M4 25.68 dBV/m
Grid 7 M4 19.19 dBV/m	Grid 8 M4 20.77 dBV/m	Grid 9 M4 22.09 dBV/m

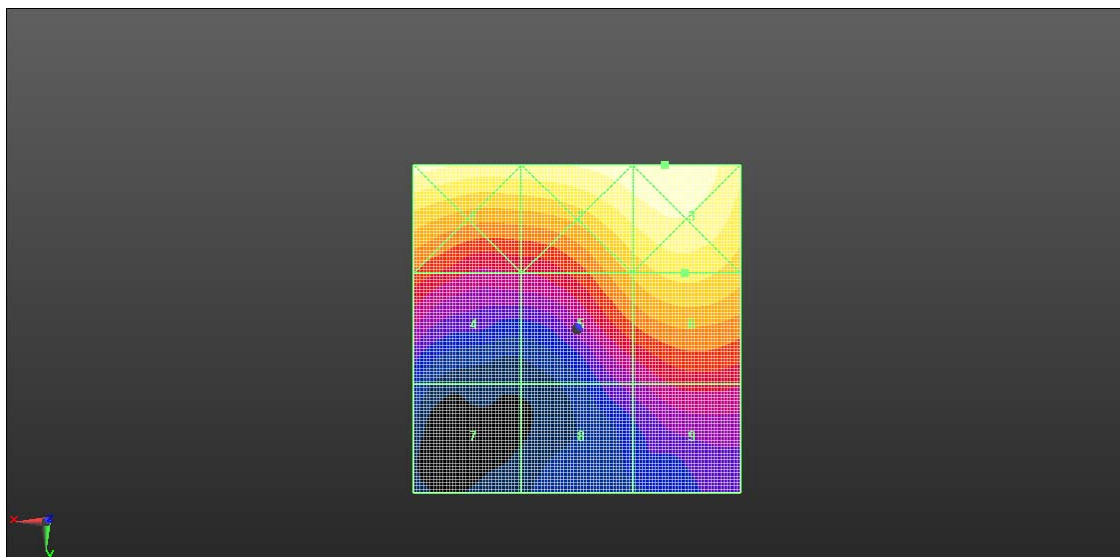
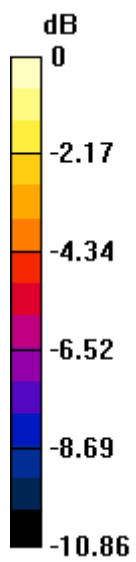
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 27.60 dBV/m

E Category: M4

Location: -13.5, -25, 8.7 mm



0 dB = 23.98 V/m = 27.60 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM1900-661CH Main Antenna**DUT: FRD-L04; 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 = 6.994 V/m; Power Drift = 0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.34 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.59 dBV/m	Grid 2 M4 26.92 dBV/m	Grid 3 M4 27.23 dBV/m
Grid 4 M4 22.27 dBV/m	Grid 5 M4 24.37 dBV/m	Grid 6 M4 25.34 dBV/m
Grid 7 M4 19.18 dBV/m	Grid 8 M4 20.24 dBV/m	Grid 9 M4 21.96 dBV/m

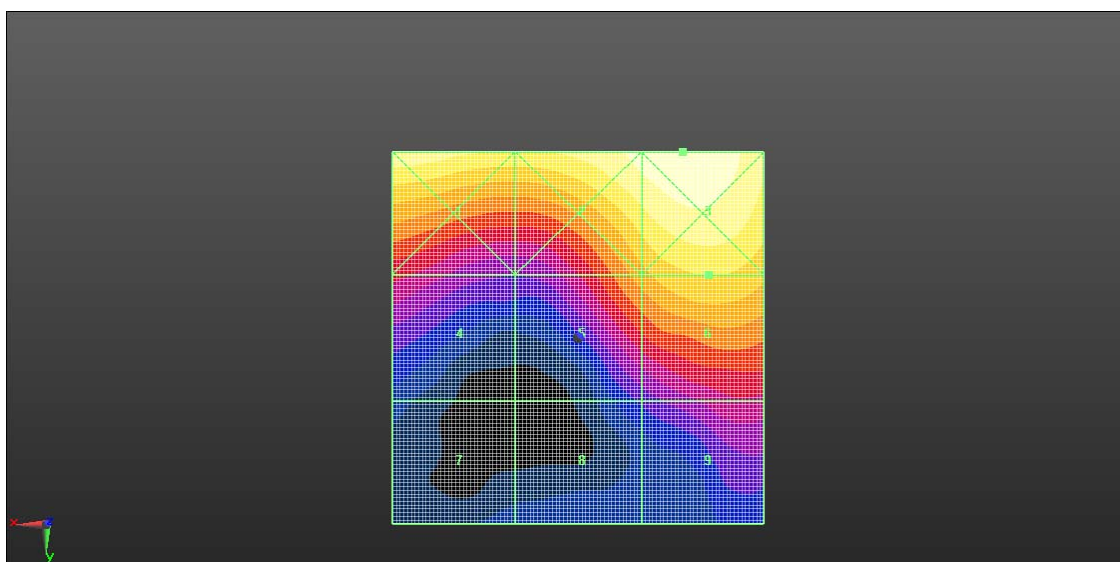
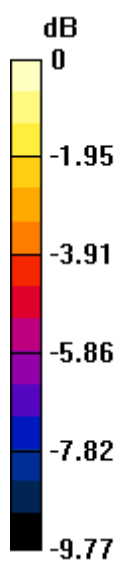
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 27.23 dBV/m

E Category: M4

Location: -14, -25, 8.7 mm



0 dB = 22.99 V/m = 27.23 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM1900-512CH Main Antenna**DUT: FRD-L04; 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 = 5.566 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.29 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 26.96 dBV/m	Grid 2 M4 26.96 dBV/m	Grid 3 M4 27.49 dBV/m
Grid 4 M4 22.1 dBV/m	Grid 5 M4 23.79 dBV/m	Grid 6 M4 25.29 dBV/m
Grid 7 M4 20.66 dBV/m	Grid 8 M4 21.33 dBV/m	Grid 9 M4 22.24 dBV/m

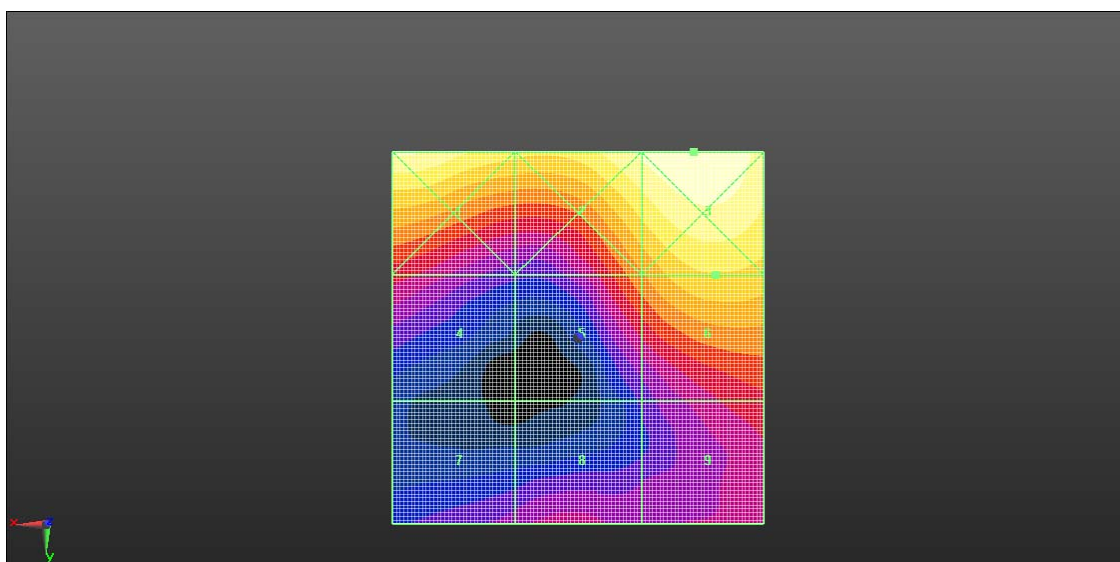
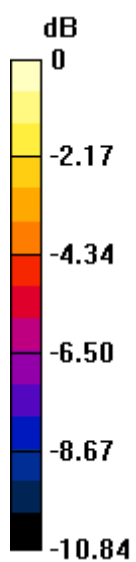
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 27.49 dBV/m

E Category: M4

Location: -15.5, -25, 8.7 mm



0 dB = 23.70 V/m = 27.49 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM1900-810CH Main Antenna with Battery 2**DUT: FRD-L04; 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 = 8.100 V/m; Power Drift = -0.01 dB

Applied MIF = 3.63 dB

RF audio interference level = 25.84 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.58 dBV/m	Grid 2 M4 27.77 dBV/m	Grid 3 M4 27.92 dBV/m
Grid 4 M4 22.56 dBV/m	Grid 5 M4 25.13 dBV/m	Grid 6 M4 25.84 dBV/m
Grid 7 M4 19.8 dBV/m	Grid 8 M4 21.35 dBV/m	Grid 9 M4 22.49 dBV/m

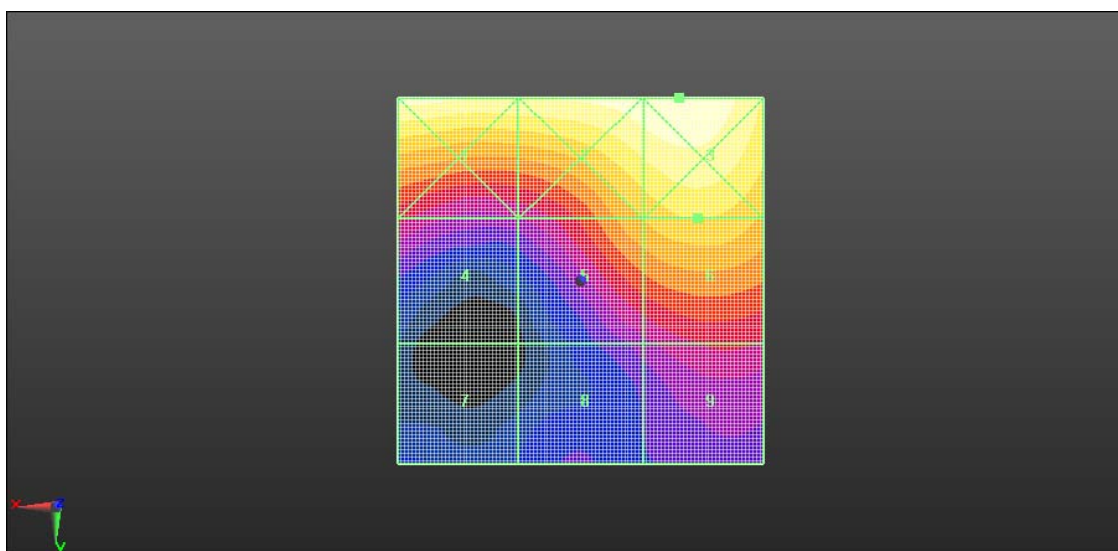
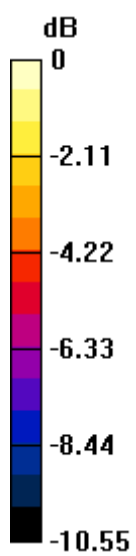
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 27.92 dBV/m

E Category: M4

Location: -13.5, -25, 8.7 mm



0 dB = 24.88 V/m = 27.92 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_FRD-L04-GSM1900-810CH Main Antenna with Battery 3**DUT: FRD-L04; 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 = 8.842 V/m; Power Drift = 0.06 dB

Applied MIF = 3.63 dB

RF audio interference level = 27.10 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 27.1 dBV/m	Grid 2 M4 29.94 dBV/m	Grid 3 M3 30.05 dBV/m
Grid 4 M4 21.43 dBV/m	Grid 5 M4 26.83 dBV/m	Grid 6 M4 27.43 dBV/m
Grid 7 M4 20.63 dBV/m	Grid 8 M4 22.11 dBV/m	Grid 9 M4 23.52 dBV/m

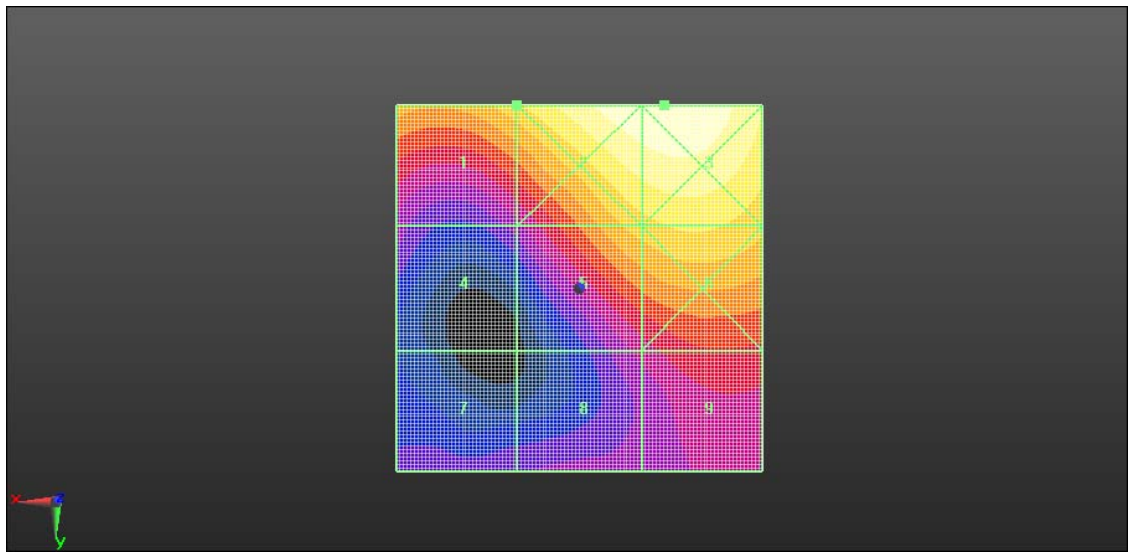
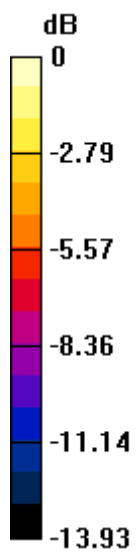
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 30.05 dBV/m

E Category: M3

Location: -11.5, -25, 8.7 mm



0 dB = 31.79 V/m = 30.05 dBV/m