

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H215G-GSM850-251CH with battery 1#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: RF Section

DASY Configuration:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2012-11-26;
- Sensor-Surface: (Fix Surface), $z = 8.7$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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: $dx=0.5000 \text{ mm}$, $dy=0.5000 \text{ mm}$

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 82.69 V/m; Power Drift = -0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.86 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 38.81 dBV/m	Grid 2 M4 39.72 dBV/m	Grid 3 M4 39.58 dBV/m
Grid 4 M4 38.99 dBV/m	Grid 5 M4 39.86 dBV/m	Grid 6 M4 39.75 dBV/m
Grid 7 M4 38.83 dBV/m	Grid 8 M4 39.61 dBV/m	Grid 9 M4 39.46 dBV/m

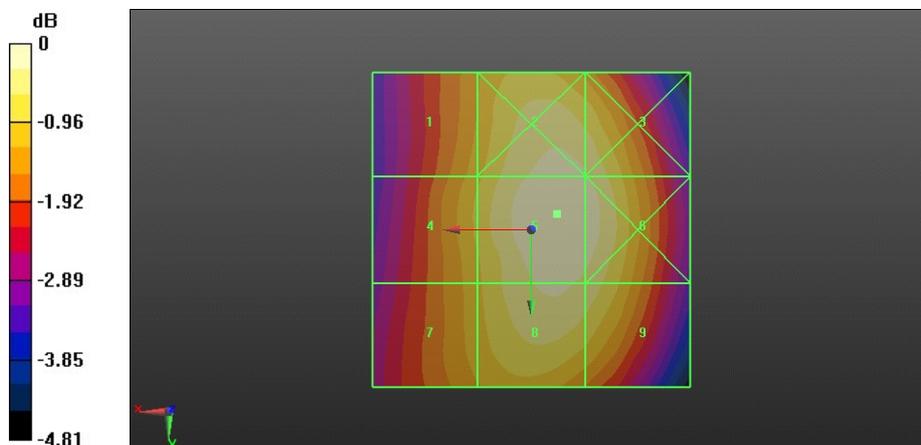
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 39.86 dBV/m

E Category: M4

Location: -4, -2.5, 8.7 mm



0 dB = 98.45 V/m = 39.86 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H215G-GSM850-190CH with battery 1#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: RF Section

DASY Configuration:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2012-11-26;
- Sensor-Surface: (Fix Surface), z = 8.7
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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 = 72.41 V/m; Power Drift = 0.02 dB

Applied MIF = 3.63 dB

RF audio interference level = 38.80 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 37.72 dBV/m	Grid 2 M4 38.59 dBV/m	Grid 3 M4 38.45 dBV/m
Grid 4 M4 37.95 dBV/m	Grid 5 M4 38.8 dBV/m	Grid 6 M4 38.63 dBV/m
Grid 7 M4 37.87 dBV/m	Grid 8 M4 38.59 dBV/m	Grid 9 M4 38.42 dBV/m

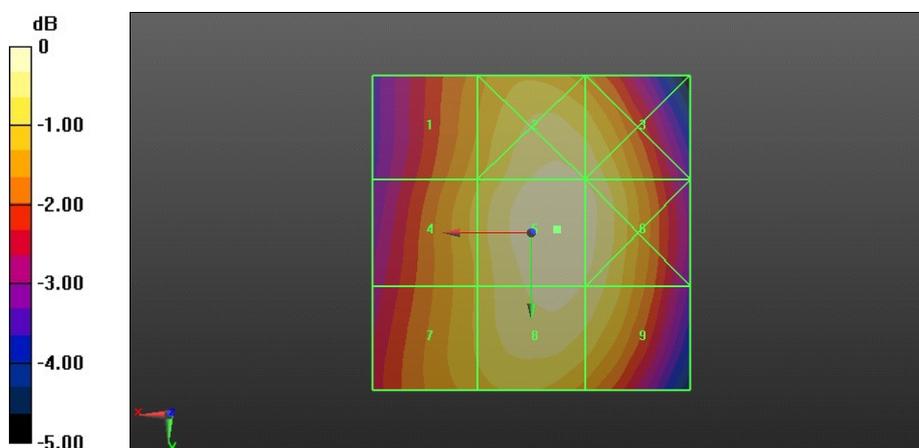
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 38.80 dBV/m

E Category: M4

Location: -4, -0.5, 8.7 mm



0 dB = 87.05 V/m = 38.80 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H215G-GSM850-128CH with battery 1#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: RF Section

DASY Configuration:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2012-11-26;
- Sensor-Surface: (Fix Surface), $z = 8.7$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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: $dx=0.5000 \text{ mm}$, $dy=0.5000 \text{ mm}$

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 60.91 V/m; Power Drift = -0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 37.22 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 36.14 dBV/m	Grid 2 M4 37.05 dBV/m	Grid 3 M4 36.9 dBV/m
Grid 4 M4 36.39 dBV/m	Grid 5 M4 37.22 dBV/m	Grid 6 M4 37.09 dBV/m
Grid 7 M4 36.29 dBV/m	Grid 8 M4 37.02 dBV/m	Grid 9 M4 36.81 dBV/m

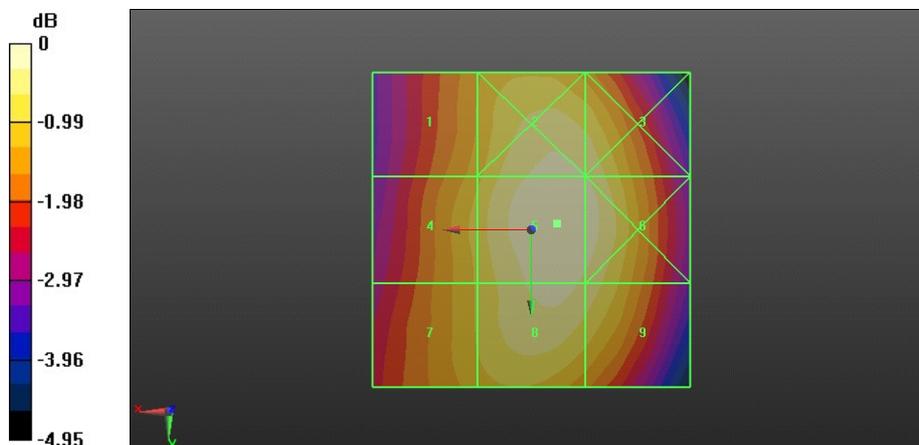
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 37.22 dBV/m

E Category: M4

Location: -4, -1, 8.7 mm



0 dB = 72.64 V/m = 37.22 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H215G-GSM850-251CH with battery 2#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

Communication System: GSM-FDD (TDMA, GMSK); Frequency: 848.6 MHz; Duty Cycle: 1:8.6896

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: RF Section

DASY Configuration:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2012-11-26;
- Sensor-Surface: (Fix Surface), z = 8.7
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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 = 81.07 V/m; Power Drift = -0.05 dB

Applied MIF = 3.63 dB

RF audio interference level = 39.72 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 38.63 dBV/m	Grid 2 M4 39.57 dBV/m	Grid 3 M4 39.42 dBV/m
Grid 4 M4 38.8 dBV/m	Grid 5 M4 39.72 dBV/m	Grid 6 M4 39.58 dBV/m
Grid 7 M4 38.67 dBV/m	Grid 8 M4 39.5 dBV/m	Grid 9 M4 39.36 dBV/m

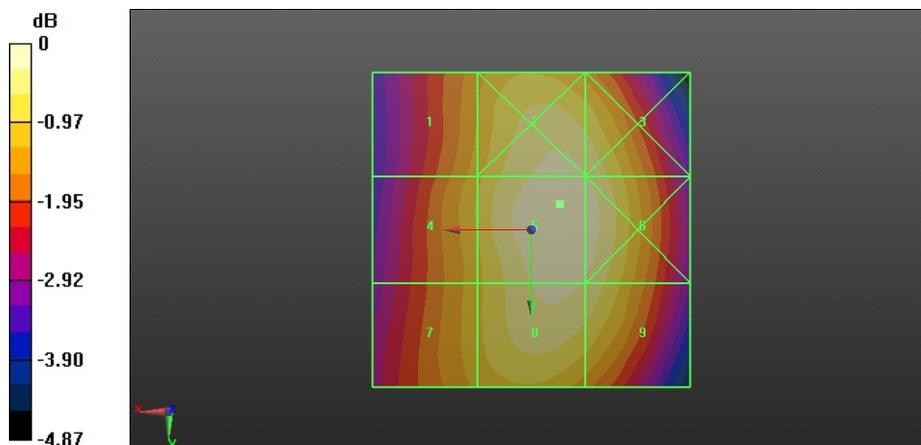
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 39.72 dBV/m

E Category: M4

Location: -4.5, -4, 8.7 mm



0 dB = 96.82 V/m = 39.72 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H215G-GSM1900-810CH with battery 1#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: RF Section

DASY Configuration:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2012-11-26;
- Sensor-Surface: (Fix Surface), $z = 8.7$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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: $dx=0.5000 \text{ mm}$, $dy=0.5000 \text{ mm}$

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.99 V/m; Power Drift = 0.03 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.91 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.91 dBV/m	Grid 2 M4 29.47 dBV/m	Grid 3 M4 28.37 dBV/m
Grid 4 M3 30.02 dBV/m	Grid 5 M3 30.89 dBV/m	Grid 6 M3 30.74 dBV/m
Grid 7 M3 32.45 dBV/m	Grid 8 M3 32.51 dBV/m	Grid 9 M3 31.51 dBV/m

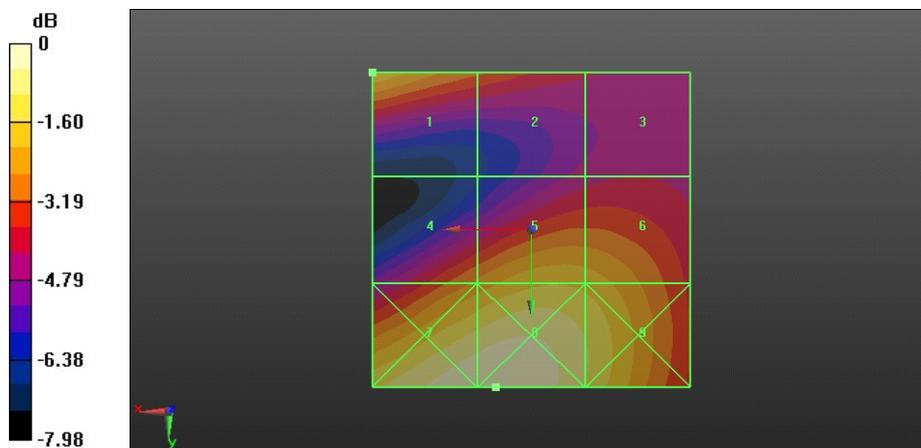
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 32.51 dBV/m

E Category: M3

Location: 5.5, 25, 8.7 mm



0 dB = 42.21 V/m = 32.51 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H215G-GSM1900-661CH with battery 1#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SARI

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

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: RF Section

DASY Configuration:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2012-11-26;
- Sensor-Surface: (Fix Surface), $z = 8.7$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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: $dx=0.5000 \text{ mm}$, $dy=0.5000 \text{ mm}$

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 19.45 V/m; Power Drift = 0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.65 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.65 dBV/m	Grid 2 M4 29.03 dBV/m	Grid 3 M4 27.47 dBV/m
Grid 4 M4 29.48 dBV/m	Grid 5 M3 30.4 dBV/m	Grid 6 M3 30.24 dBV/m
Grid 7 M3 32.14 dBV/m	Grid 8 M3 32.19 dBV/m	Grid 9 M3 31.3 dBV/m

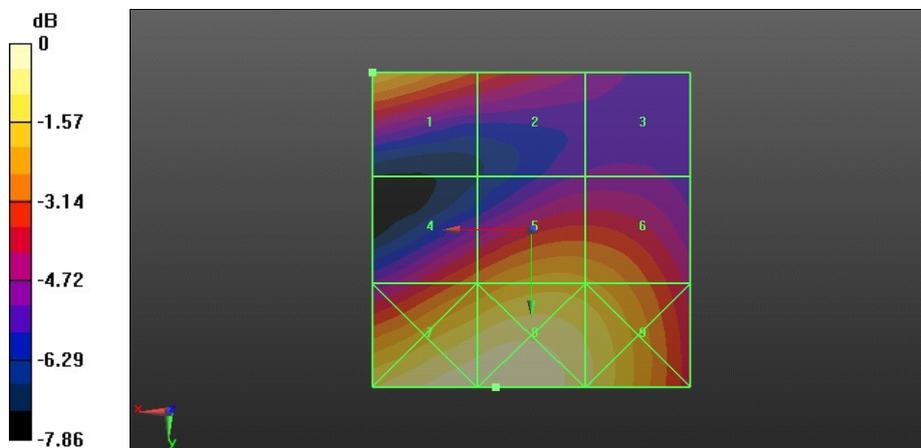
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 32.19 dBV/m

E Category: M3

Location: 5.5, 25, 8.7 mm



0 dB = 40.69 V/m = 32.19 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H215G-GSM1900-512CH with battery 1#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: RF Section

DASY Configuration:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2012-11-26;
- Sensor-Surface: (Fix Surface), $z = 8.7$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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: $dx=0.5000 \text{ mm}$, $dy=0.5000 \text{ mm}$

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.40 V/m; Power Drift = 0.00 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.43 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.18 dBV/m	Grid 2 M4 28.42 dBV/m	Grid 3 M4 26.63 dBV/m
Grid 4 M4 29.82 dBV/m	Grid 5 M3 30.43 dBV/m	Grid 6 M3 30.11 dBV/m
Grid 7 M3 32.32 dBV/m	Grid 8 M3 32.33 dBV/m	Grid 9 M3 31.02 dBV/m

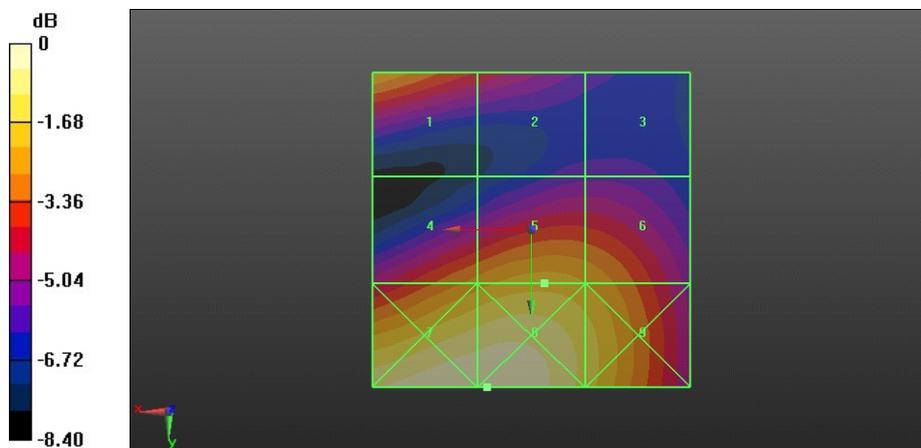
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 32.33 dBV/m

E Category: M3

Location: 7, 25, 8.7 mm



0 dB = 41.35 V/m = 32.33 dBV/m

Test Laboratory: HUAWEI SAR/HAC Lab

HAC_ER3DV6_H215G-GSM1900-810CH with battery 2#

DUT: H215G; Type: HSDPA/UMTS/GSM/GPRS/EDGE Mobile Phone with Bluetooth; Serial: SAR1

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

Medium parameters used: $\sigma = 0 \text{ S/m}$, $\epsilon_r = 1$; $\rho = 0 \text{ kg/m}^3$

Phantom section: RF Section

DASY Configuration:

- Probe: ER3DV6 - SN2441; ConvF(1, 1, 1); Calibrated: 2012-11-26;
- Sensor-Surface: (Fix Surface), $z = 8.7$
- Electronics: DAE4 Sn1305; Calibrated: 2013-1-8
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1053
- DASY52 52.8.4(1052); SEMCAD X 14.6.8(7028)

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: $dx=0.5000 \text{ mm}$, $dy=0.5000 \text{ mm}$

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 20.31 V/m; Power Drift = 0.08 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.79 dBV/m

Emission category: M3

MIF scaled E-field

Grid 1 M3 30.79 dBV/m	Grid 2 M4 29.52 dBV/m	Grid 3 M4 28.5 dBV/m
Grid 4 M4 29.83 dBV/m	Grid 5 M3 30.79 dBV/m	Grid 6 M3 30.66 dBV/m
Grid 7 M3 32.35 dBV/m	Grid 8 M3 32.44 dBV/m	Grid 9 M3 31.53 dBV/m

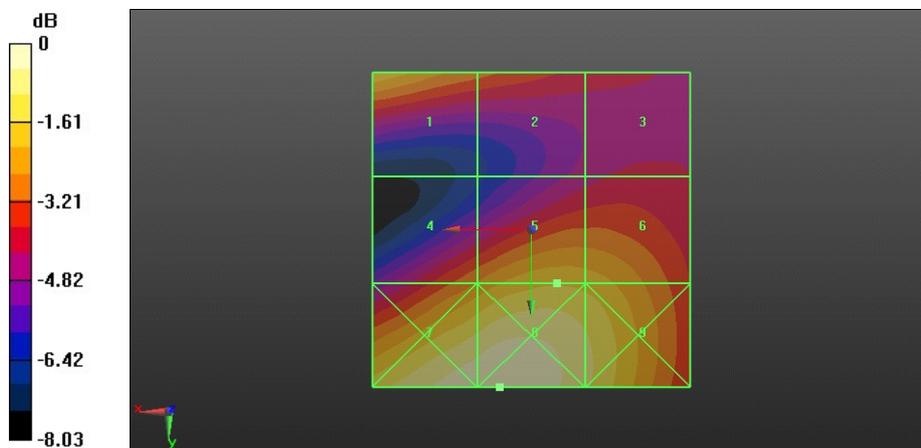
Category	Limits for E-Field Emissions < 960MHz	Limits for E-Field Emissions > 960MHz
M1	50 dBV/m - 55 dB V/m	40 dBV/m - 45 dB V/m
M2	45 dBV/m - 50 dB V/m	35 dBV/m - 40 dB V/m
M3	40 dBV/m - 45 dB V/m	30 dBV/m - 35 dB V/m
M4	<40 dBV/m	<30 dBV/m

Cursor:

Total = 32.44 dBV/m

E Category: M3

Location: 5, 25, 8.7 mm



0 dB = 41.90 V/m = 32.44 dBV/m