

Appendix B

Detailed Test Results

1. CDMA
CDMA BC0 for E-Field Emission
CDMA BC1 for E-Field Emission
CDMA BC10 for E-Field Emission
2. LTE
LTE Band 41 for E-Field Emission

Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-CDMA BC0 RC1 SO3 1013CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 824.7 MHz; Duty Cycle: 1:17.7419

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 25.14 V/m; Power Drift = -0.02dB

Applied MIF = 3.26 dB

RF audio interference level = 28.74 dBV/m

Emission category: M4

MIF scaled E-field

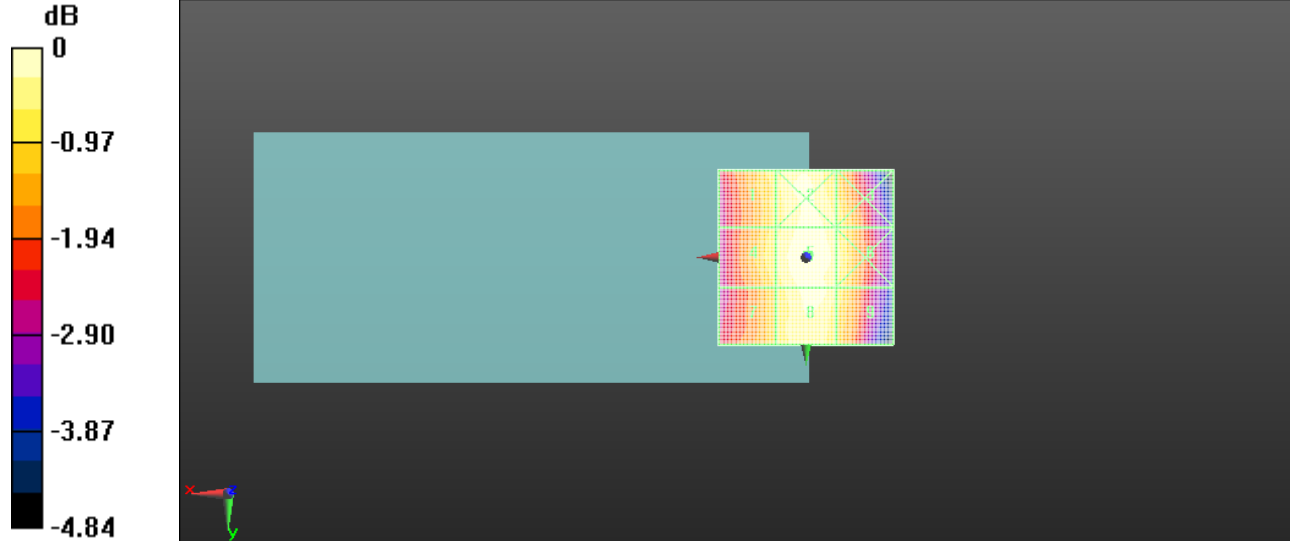
Grid 1 M4 28.04 dBV/m	Grid 2 M4 28.55 dBV/m	Grid 3 M4 28.15 dBV/m
Grid 4 M4 28.14 dBV/m	Grid 5 M4 28.74 dBV/m	Grid 6 M4 28.3 dBV/m
Grid 7 M4 27.84 dBV/m	Grid 8 M4 28.55 dBV/m	Grid 9 M4 28.11 dBV/m

Cursor:

Total = 28.74 dBV/m

E Category: M4

Location: -0.5, -0.5, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-CDMA BC0 RC1 SO3 384CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 836.52 MHz; Duty Cycle: 1:17.7419

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 23.91 V/m; Power Drift = -0.08 dB

Applied MIF = 3.26 dB

RF audio interference level = 28.41 dBV/m

Emission category: M4

MIF scaled E-field

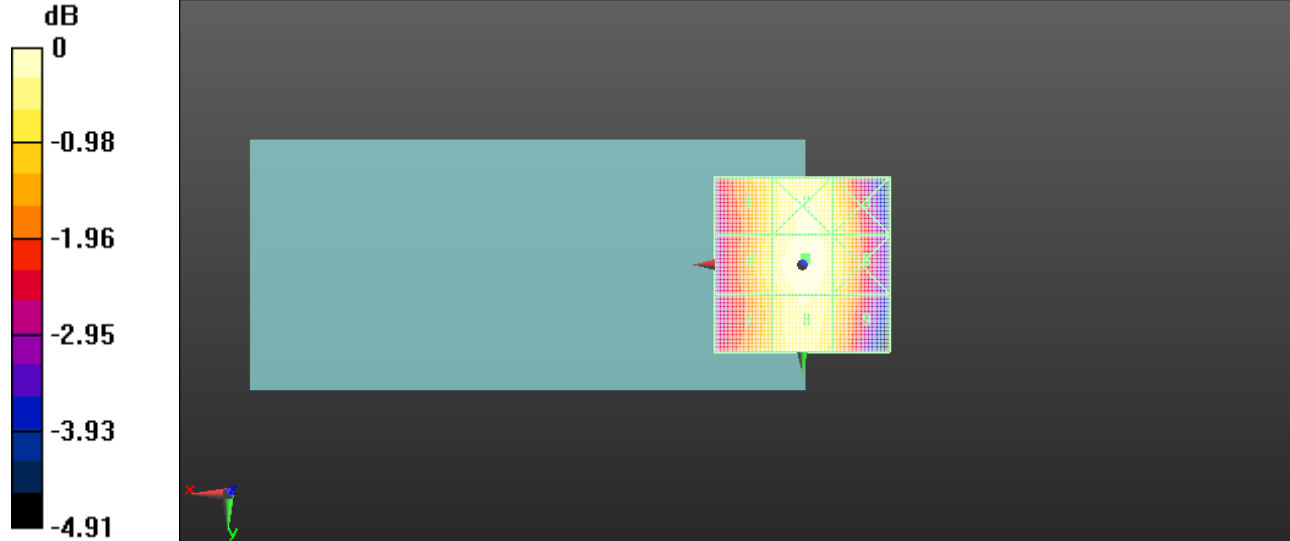
Grid 1 M4 27.66 dBV/m	Grid 2 M4 28.2 dBV/m	Grid 3 M4 27.85 dBV/m
Grid 4 M4 27.86 dBV/m	Grid 5 M4 28.41 dBV/m	Grid 6 M4 27.89 dBV/m
Grid 7 M4 27.48 dBV/m	Grid 8 M4 28.15 dBV/m	Grid 9 M4 27.68 dBV/m

Cursor:

Total = 28.41 dBV/m

E Category: M4

Location: -1, -2, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-CDMA BC0 RC1 SO3 777CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 848.31 MHz; Duty Cycle: 1:17.7419

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 21.34 V/m; Power Drift = 0.00 dB

Applied MIF = 3.26 dB

RF audio interference level = 27.38 dBV/m

Emission category: M4

MIF scaled E-field

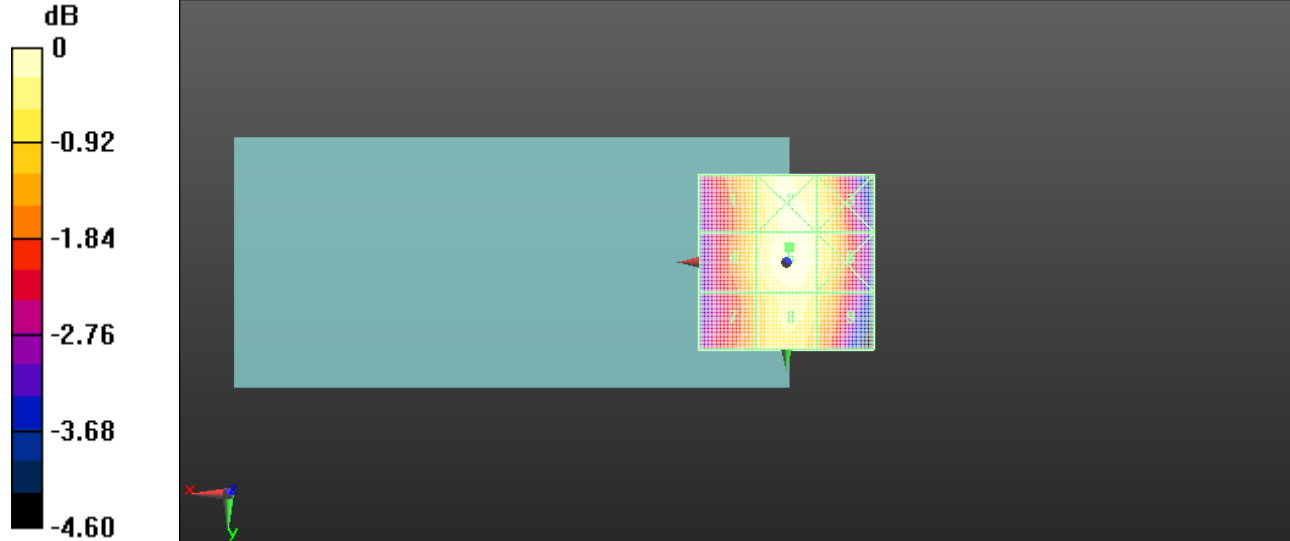
Grid 1 M4 26.58 dBV/m	Grid 2 M4 27.27 dBV/m	Grid 3 M4 27 dBV/m
Grid 4 M4 26.73 dBV/m	Grid 5 M4 27.38 dBV/m	Grid 6 M4 27 dBV/m
Grid 7 M4 26.32 dBV/m	Grid 8 M4 27.03 dBV/m	Grid 9 M4 26.68 dBV/m

Cursor:

Total = 27.38 dBV/m

E Category: M4

Location: -1, -4.5, 7.7 mm



0 dB = 23.39 V/m = 27.38 dBV/m

Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-CDMA BC1 RC1 SO3 25CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1851.25 MHz; Duty Cycle: 1:17.7419

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 6.135 V/m; Power Drift = -0.03dB

Applied MIF = 3.26 dB

RF audio interference level = 23.23 dBV/m

Emission category: M4

MIF scaled E-field

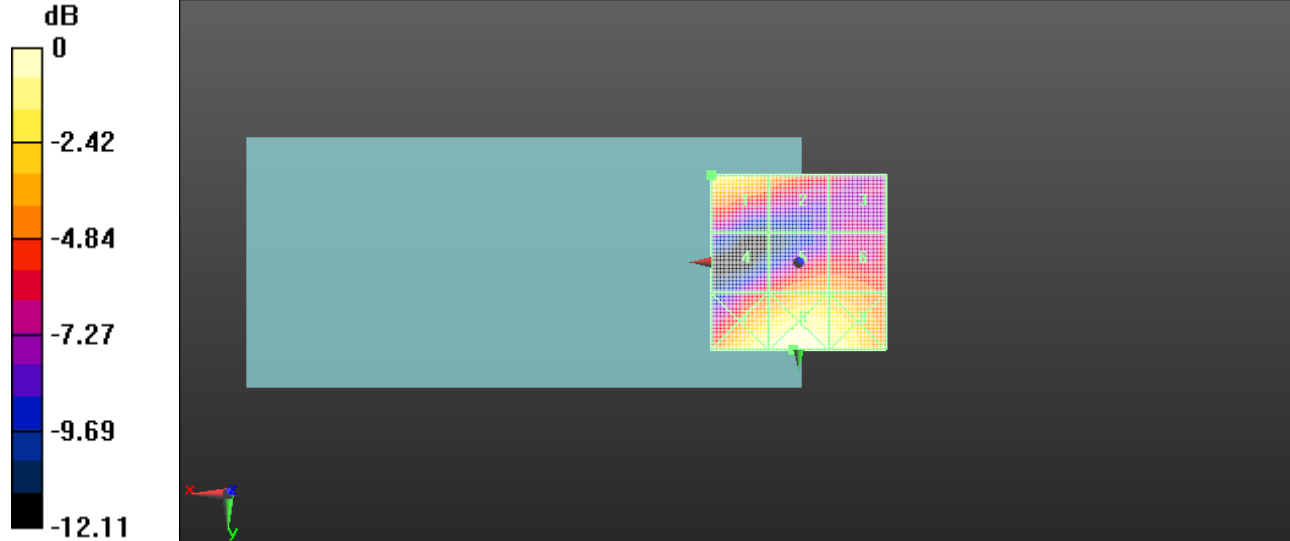
Grid 1 M4 23.23 dBV/m	Grid 2 M4 21.43 dBV/m	Grid 3 M4 18.9 dBV/m
Grid 4 M4 19.26 dBV/m	Grid 5 M4 21.22 dBV/m	Grid 6 M4 21.15 dBV/m
Grid 7 M4 24.25 dBV/m	Grid 8 M4 24.63 dBV/m	Grid 9 M4 23.8 dBV/m

Cursor:

Total = 24.63 dBV/m

E Category: M4

Location: 1.5, 25, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-CDMA BC1 RC1 SO3 600CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1880 MHz; Duty Cycle: 1:17.7419

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 5.162 V/m; Power Drift = -0.02 dB

Applied MIF = 3.26 dB

RF audio interference level = 22.38 dBV/m

Emission category: M4

MIF scaled E-field

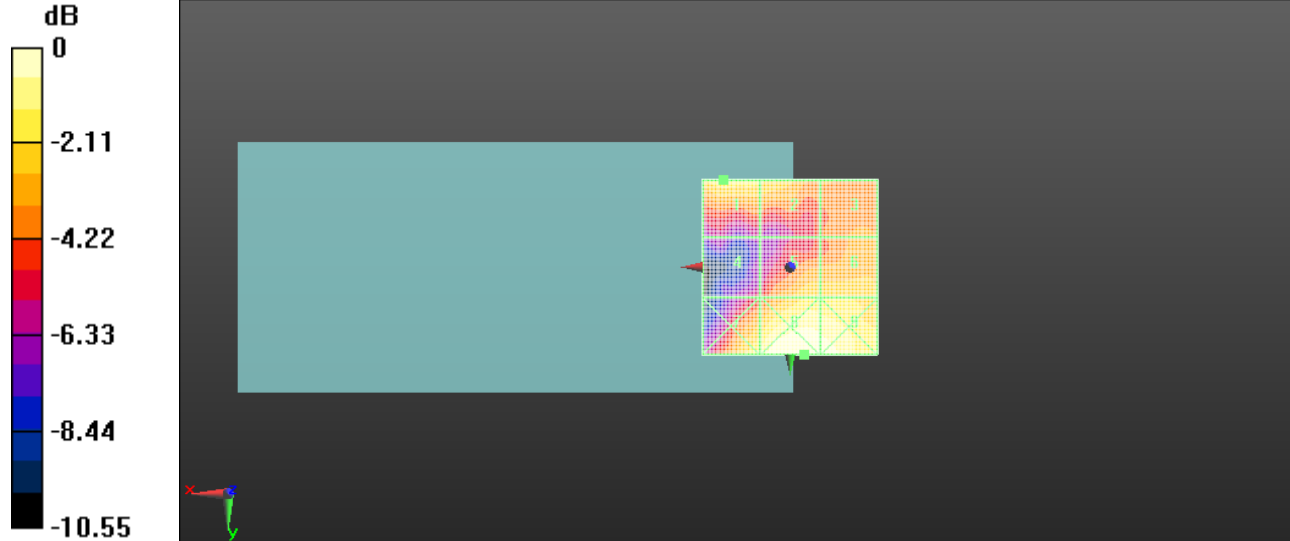
Grid 1 M4 22.38 dBV/m	Grid 2 M4 21.96 dBV/m	Grid 3 M4 20.57 dBV/m
Grid 4 M4 19.04 dBV/m	Grid 5 M4 21.88 dBV/m	Grid 6 M4 21.89 dBV/m
Grid 7 M4 22.69 dBV/m	Grid 8 M4 23.87 dBV/m	Grid 9 M4 23.52 dBV/m

Cursor:

Total = 23.87 dBV/m

E Category: M4

Location: -4, 25, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-CDMA BC1 RC1 SO3 1175CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 1908.75 MHz; Duty Cycle: 1:17.7419

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 4.683 V/m; Power Drift = -0.06dB

Applied MIF = 3.26 dB

RF audio interference level = 19.03 dBV/m

Emission category: M4

MIF scaled E-field

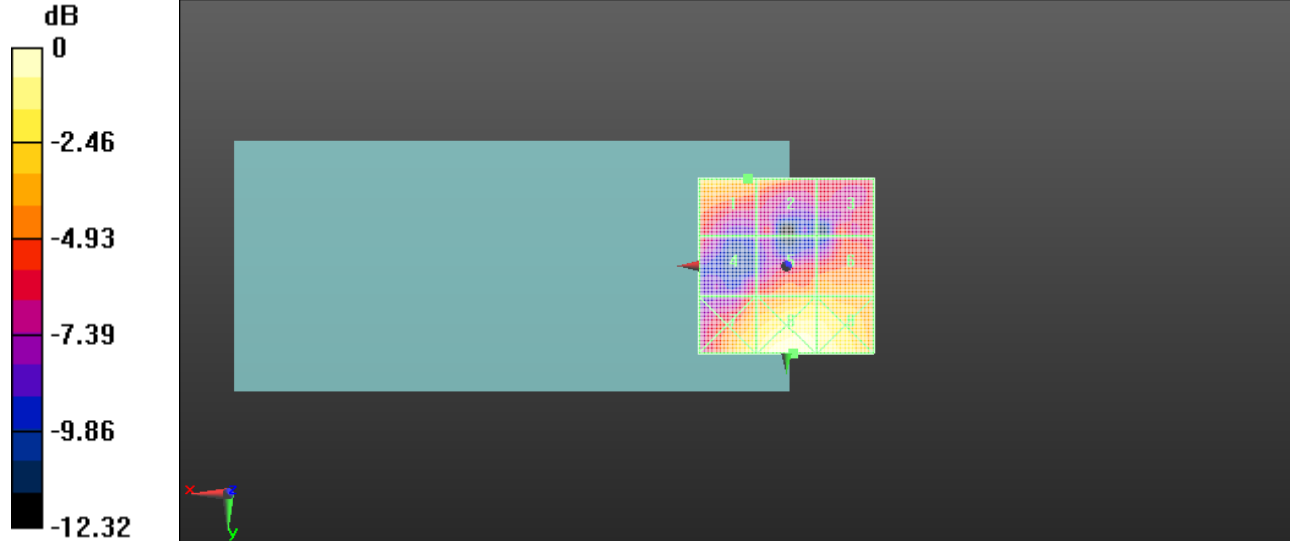
Grid 1 M4 19.03 dBV/m	Grid 2 M4 18.83 dBV/m	Grid 3 M4 15.88 dBV/m
Grid 4 M4 16.19 dBV/m	Grid 5 M4 18.11 dBV/m	Grid 6 M4 18.16 dBV/m
Grid 7 M4 19.8 dBV/m	Grid 8 M4 21.3 dBV/m	Grid 9 M4 20.68 dBV/m

Cursor:

Total = 21.30 dBV/m

E Category: M4

Location: -2, 25, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-CDMA BC10 RC1 SO3 476CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 817.9 MHz; Duty Cycle: 1:17.7419

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 26.07 V/m; Power Drift = 0.05 dB

Applied MIF = 3.26 dB

RF audio interference level = 29.80 dBV/m

Emission category: M4

MIF scaled E-field

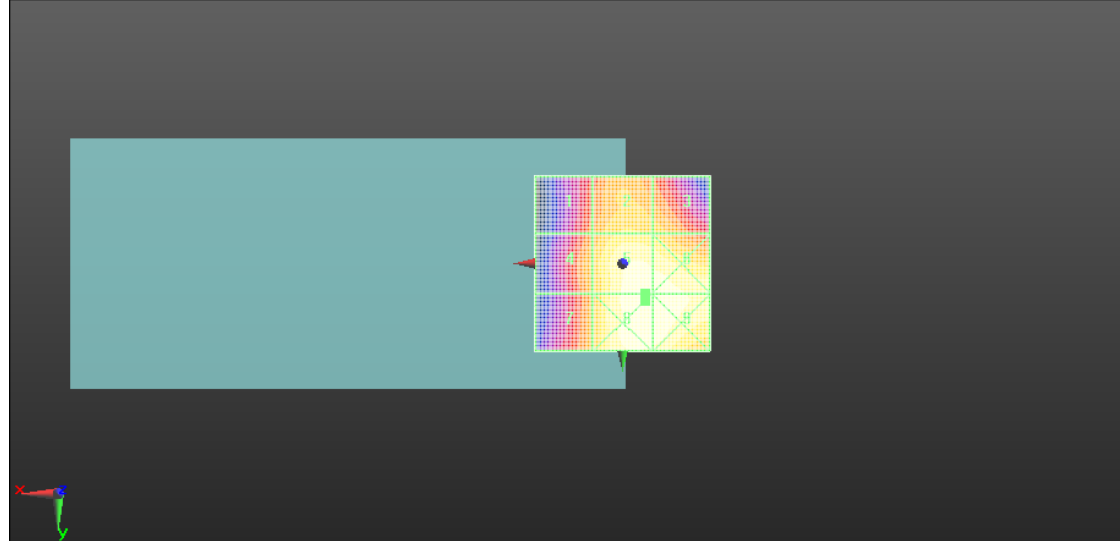
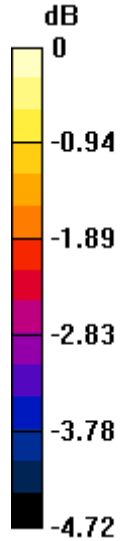
Grid 1 M4 28.21 dBV/m	Grid 2 M4 28.97 dBV/m	Grid 3 M4 28.87 dBV/m
Grid 4 M4 28.68 dBV/m	Grid 5 M4 29.8 dBV/m	Grid 6 M4 29.77 dBV/m
Grid 7 M4 28.56 dBV/m	Grid 8 M4 29.81 dBV/m	Grid 9 M4 29.78 dBV/m

Cursor:

Total = 29.81 dBV/m

E Category: M4

Location: -6.5, 10.5, 7.7 mm



0 dB = 30.92 V/m = 29.80 dBV/m

Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-CDMA BC10 RC1 SO3 580CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 820.5 MHz; Duty Cycle: 1:17.7419

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 25.80 V/m; Power Drift = 0.05 dB

Applied MIF = 3.26 dB

RF audio interference level = 29.65 dBV/m

Emission category: M4

MIF scaled E-field

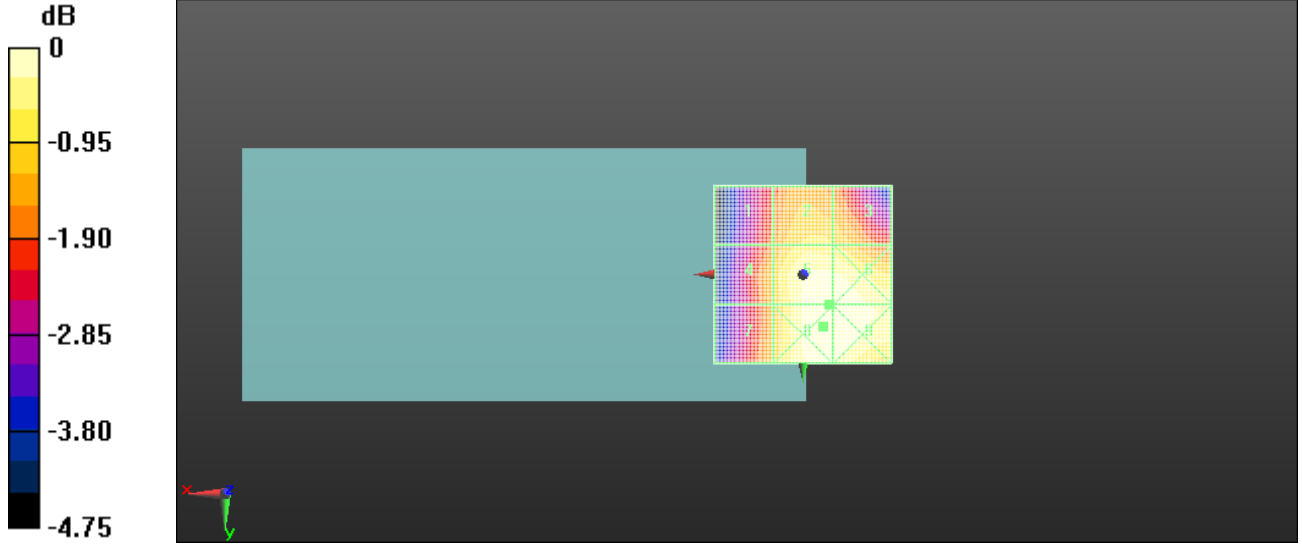
Grid 1 M4 27.98 dBV/m	Grid 2 M4 28.88 dBV/m	Grid 3 M4 28.75 dBV/m
Grid 4 M4 28.52 dBV/m	Grid 5 M4 29.65 dBV/m	Grid 6 M4 29.64 dBV/m
Grid 7 M4 28.48 dBV/m	Grid 8 M4 29.67 dBV/m	Grid 9 M4 29.66 dBV/m

Cursor:

Total = 29.67 dBV/m

E Category: M4

Location: -5.5, 14.5, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-CDMA BC10 RC1 SO3 684CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10295 - AAB, CDMA2000, RC1, SO3, 1/8th Rate 25 fr.; Frequency: 823.1 MHz; Duty Cycle: 1:17.7419

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 25.86 V/m; Power Drift = -0.06 dB

Applied MIF = 3.26 dB

RF audio interference level = 29.64 dBV/m

Emission category: M4

MIF scaled E-field

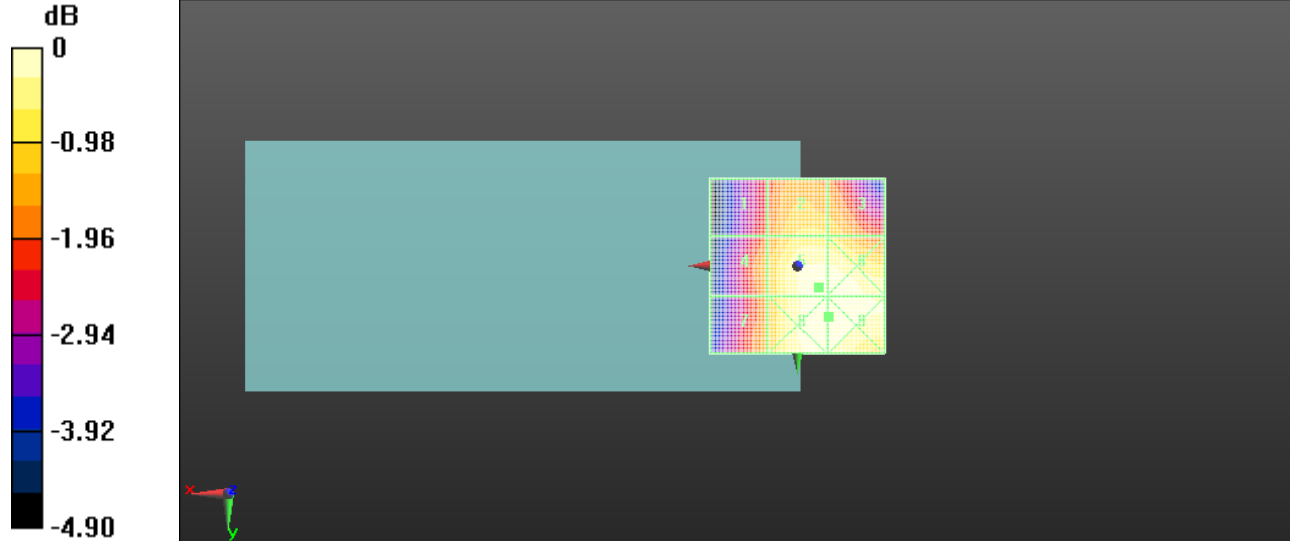
Grid 1 M4 27.95 dBV/m	Grid 2 M4 28.92 dBV/m	Grid 3 M4 28.84 dBV/m
Grid 4 M4 28.51 dBV/m	Grid 5 M4 29.64 dBV/m	Grid 6 M4 29.64 dBV/m
Grid 7 M4 28.42 dBV/m	Grid 8 M4 29.73 dBV/m	Grid 9 M4 29.73 dBV/m

Cursor:

Total = 29.73 dBV/m

E Category: M4

Location: -9, 14.5, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-LTE Band 41 PC2 20M QPSK 1RB0 39750CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2506 MHz;Duty Cycle: 1:8.33681

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 22.25 V/m; Power Drift = 0.04 dB

Applied MIF = -1.62 dB

RF audio interference level = 24.18 dBV/m

Emission category: M4

MIF scaled E-field

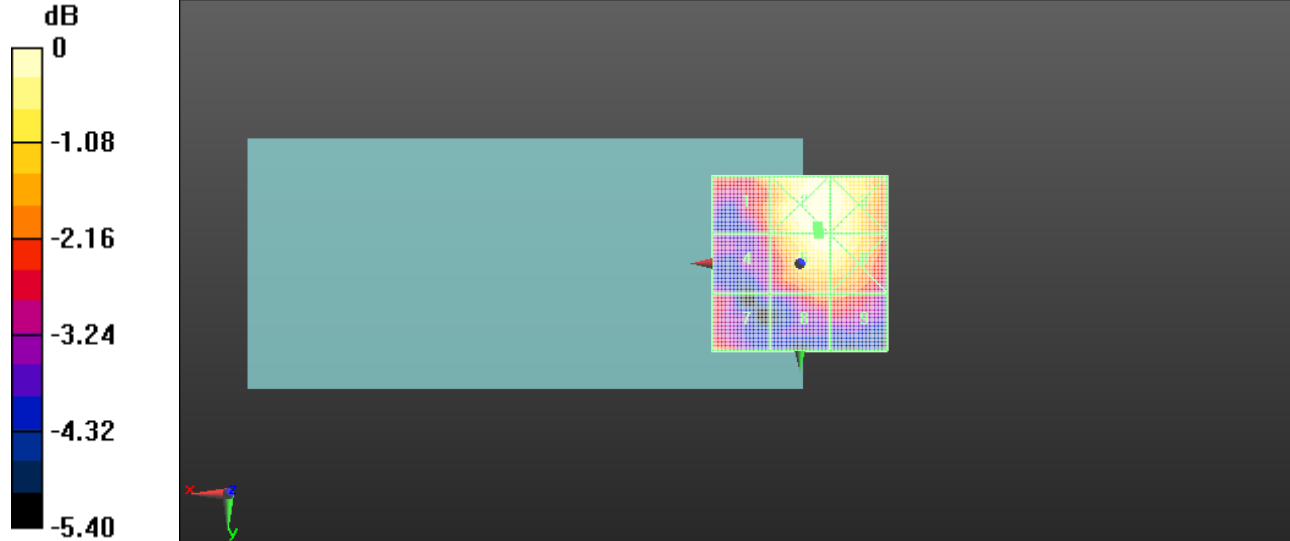
Grid 1 M4 23.4 dBV/m	Grid 2 M4 24.25 dBV/m	Grid 3 M4 24.14 dBV/m
Grid 4 M4 22.05 dBV/m	Grid 5 M4 24.18 dBV/m	Grid 6 M4 24.08 dBV/m
Grid 7 M4 22.51 dBV/m	Grid 8 M4 22.46 dBV/m	Grid 9 M4 22.38 dBV/m

Cursor:

Total = 24.25 dBV/m

E Category: M4

Location: -5, -10.5, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-LTE Band 41 PC2 20M QPSK 1RB0 40185CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:8.33681

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 19.98 V/m; Power Drift = 0.04dB

Applied MIF = -1.62 dB

RF audio interference level = 24.29 dBV/m

Emission category: M4

MIF scaled E-field

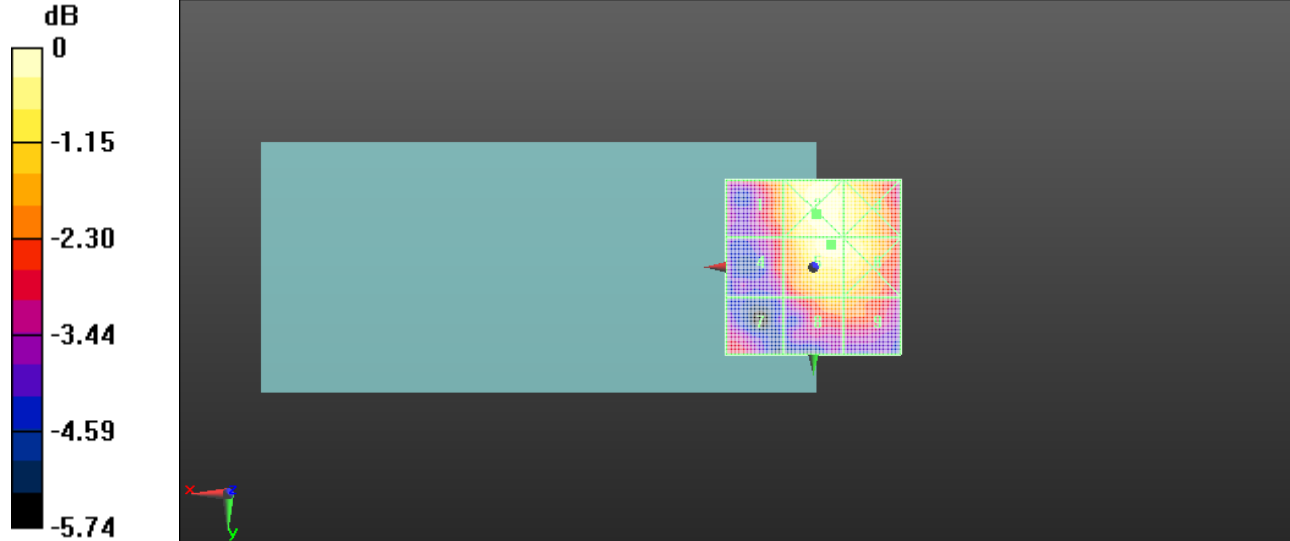
Grid 1 M4 23.05 dBV/m	Grid 2 M4 24.4 dBV/m	Grid 3 M4 24 dBV/m
Grid 4 M4 22.2 dBV/m	Grid 5 M4 24.29 dBV/m	Grid 6 M4 24.14 dBV/m
Grid 7 M4 21.6 dBV/m	Grid 8 M4 23.12 dBV/m	Grid 9 M4 22.96 dBV/m

Cursor:

Total = 24.40 dBV/m

E Category: M4

Location: -1, -15, 7.7 mm



0 dB = 16.60 V/m = 24.40 dBV/m

Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-LTE Band 41 PC2 20M QPSK 1RB0 40620CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2593 MHz; Duty Cycle: 1:8.33681

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 19.48 V/m; Power Drift = 0.08 dB

Applied MIF = -1.62 dB

RF audio interference level = 22.91 dBV/m

Emission category: M4

MIF scaled E-field

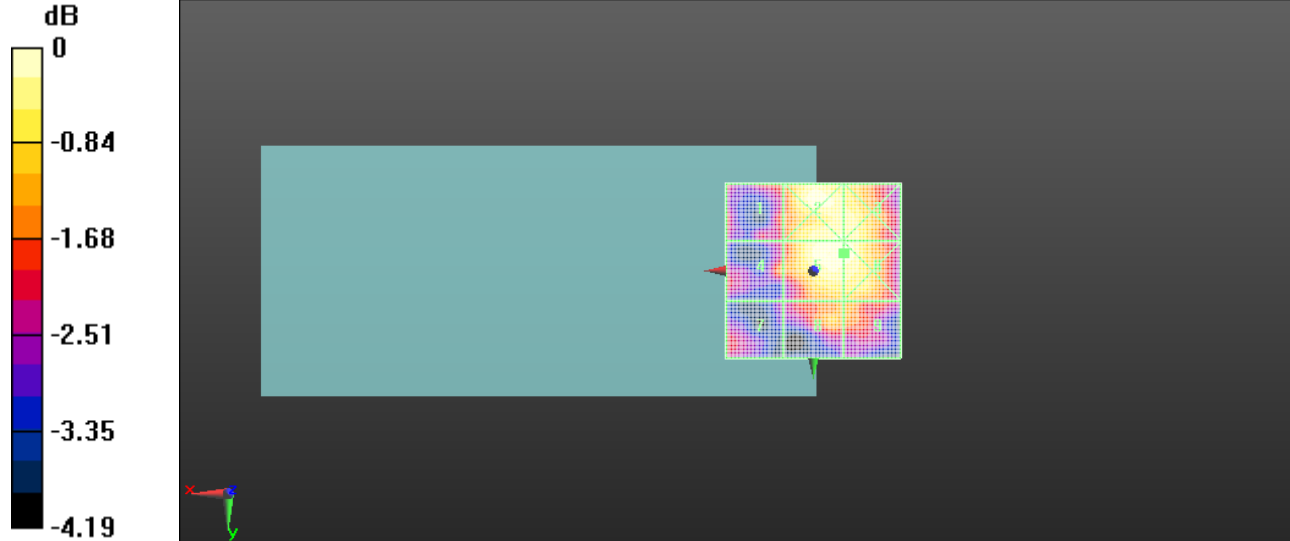
Grid 1 M4 21.66 dBV/m	Grid 2 M4 22.89 dBV/m	Grid 3 M4 22.73 dBV/m
Grid 4 M4 21.57 dBV/m	Grid 5 M4 22.91 dBV/m	Grid 6 M4 22.93 dBV/m
Grid 7 M4 21.01 dBV/m	Grid 8 M4 21.94 dBV/m	Grid 9 M4 21.84 dBV/m

Cursor:

Total = 22.93 dBV/m

E Category: M4

Location: -9, -5, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-LTE Band 41 PC2 20M QPSK 1RB0 41055CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2636.5 MHz; Duty Cycle: 1:8.33681

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 20.37 V/m; Power Drift = 0.11 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.58 dBV/m

Emission category: M4

MIF scaled E-field

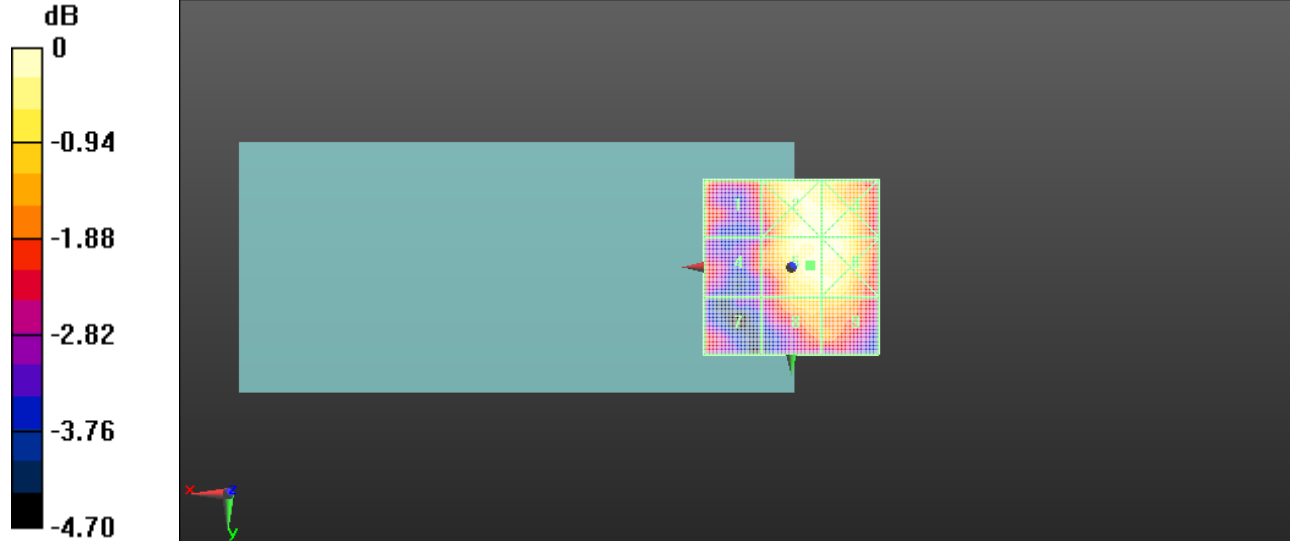
Grid 1 M4 22.87 dBV/m	Grid 2 M4 23.48 dBV/m	Grid 3 M4 23.47 dBV/m
Grid 4 M4 21.86 dBV/m	Grid 5 M4 23.58 dBV/m	Grid 6 M4 23.57 dBV/m
Grid 7 M4 21.7 dBV/m	Grid 8 M4 22.77 dBV/m	Grid 9 M4 22.74 dBV/m

Cursor:

Total = 23.58 dBV/m

E Category: M4

Location: -5.5, -0.5, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-LTE Band 41 PC2 20M QPSK 1RB0 41490CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2680 MHz; Duty Cycle: 1:8.33681

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 21.61 V/m; Power Drift = 0.06dB

Applied MIF = -1.62 dB

RF audio interference level = 23.72 dBV/m

Emission category: M4

MIF scaled E-field

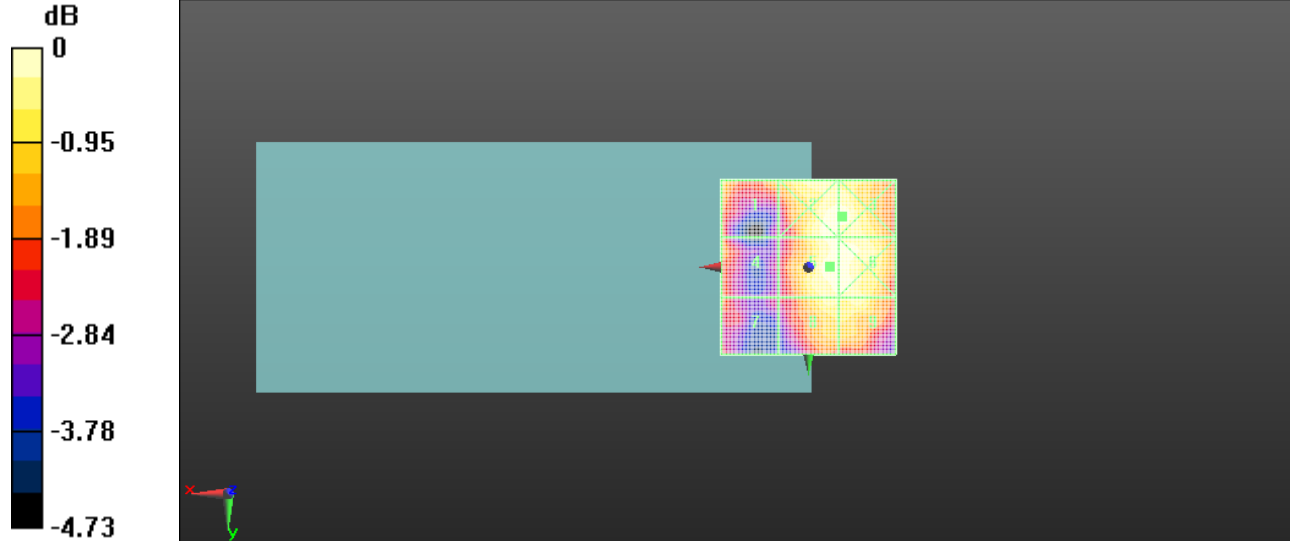
Grid 1 M4 23.23 dBV/m	Grid 2 M4 23.73 dBV/m	Grid 3 M4 23.76 dBV/m
Grid 4 M4 22.54 dBV/m	Grid 5 M4 23.72 dBV/m	Grid 6 M4 23.7 dBV/m
Grid 7 M4 22.13 dBV/m	Grid 8 M4 23.34 dBV/m	Grid 9 M4 23.3 dBV/m

Cursor:

Total = 23.76 dBV/m

E Category: M4

Location: -9.5, -14.5, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-LTE Band 41 PC3 20M QPSK 1RB0 39750CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2506 MHz; Duty Cycle: 1:8.33681

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 24.36 V/m; Power Drift = -0.13dB

Applied MIF = -1.62 dB

RF audio interference level = 25.00 dBV/m

Emission category: M4

MIF scaled E-field

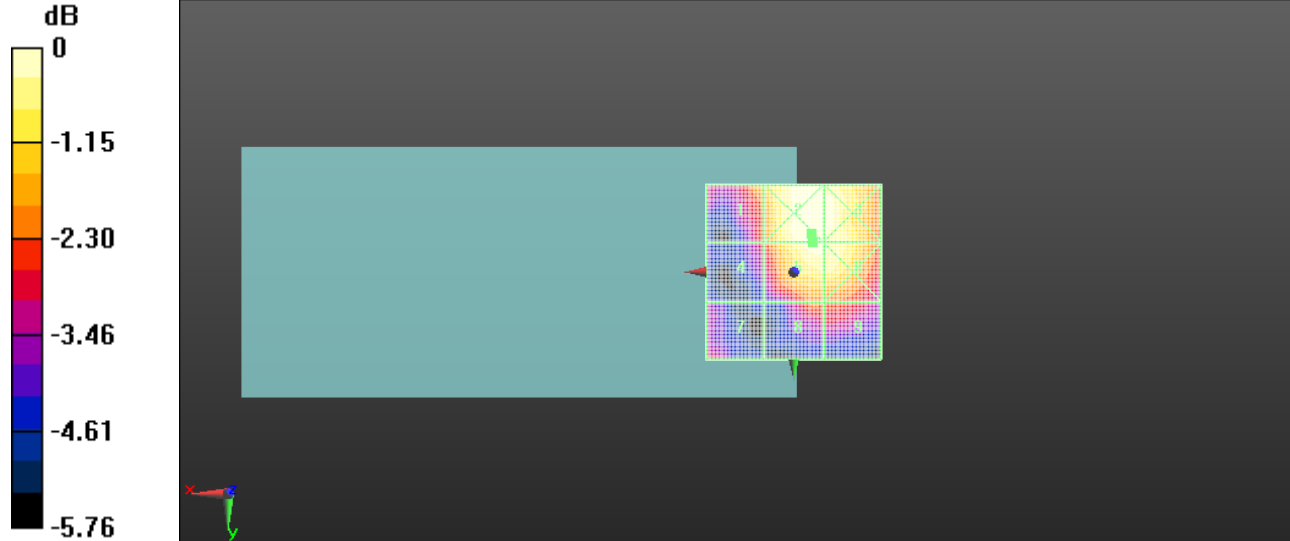
Grid 1 M4 23.95 dBV/m	Grid 2 M4 25.12 dBV/m	Grid 3 M4 25.01 dBV/m
Grid 4 M4 22.67 dBV/m	Grid 5 M4 25 dBV/m	Grid 6 M4 24.82 dBV/m
Grid 7 M4 22.74 dBV/m	Grid 8 M4 23.06 dBV/m	Grid 9 M4 22.91 dBV/m

Cursor:

Total = 25.12 dBV/m

E Category: M4

Location: -5, -11, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-LTE Band 41 PC3 20M QPSK 1RB0 40185CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2549.5 MHz; Duty Cycle: 1:8.33681

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 23.18 V/m; Power Drift = 0.12 dB

Applied MIF = -1.62 dB

RF audio interference level = 24.36 dBV/m

Emission category: M4

MIF scaled E-field

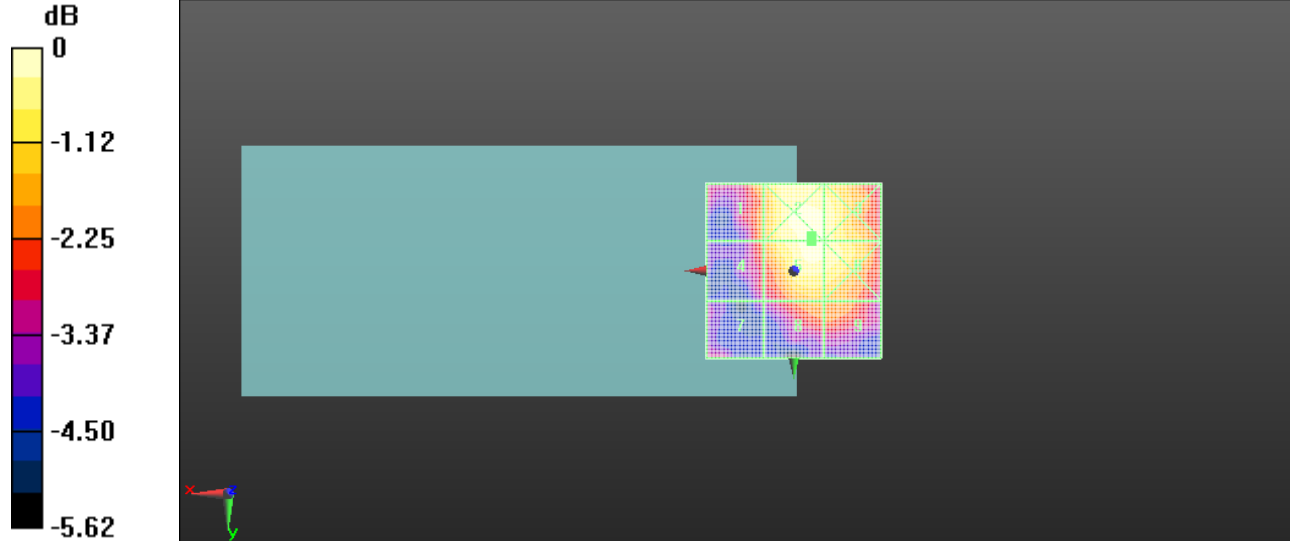
Grid 1 M4 23.34 dBV/m	Grid 2 M4 24.41 dBV/m	Grid 3 M4 24.08 dBV/m
Grid 4 M4 22.56 dBV/m	Grid 5 M4 24.36 dBV/m	Grid 6 M4 24.1 dBV/m
Grid 7 M4 21.65 dBV/m	Grid 8 M4 22.77 dBV/m	Grid 9 M4 22.71 dBV/m

Cursor:

Total = 24.41 dBV/m

E Category: M4

Location: -5, -10, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-LTE Band 41 PC3 20M QPSK 1RB0 40620CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2593 MHz; Duty Cycle: 1:8.33681

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 21.47 V/m; Power Drift = -0.07dB

Applied MIF = -1.62 dB

RF audio interference level = 22.85 dBV/m

Emission category: M4

MIF scaled E-field

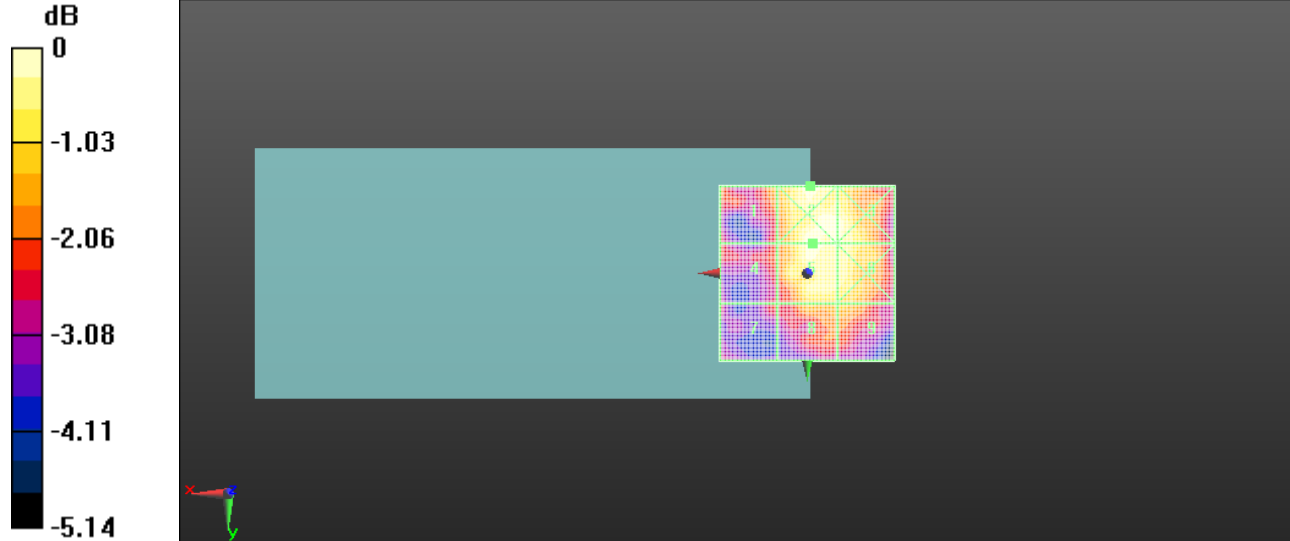
Grid 1 M4 21.7 dBV/m	Grid 2 M4 22.99 dBV/m	Grid 3 M4 22.8 dBV/m
Grid 4 M4 21.08 dBV/m	Grid 5 M4 22.85 dBV/m	Grid 6 M4 22.68 dBV/m
Grid 7 M4 20.68 dBV/m	Grid 8 M4 21.83 dBV/m	Grid 9 M4 21.85 dBV/m

Cursor:

Total = 22.99 dBV/m

E Category: M4

Location: -1, -25, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-LTE Band 41 PC3 20M QPSK 1RB0 41055CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2636.5 MHz; Duty Cycle: 1:8.33681

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 20.55 V/m; Power Drift = 0.06 dB

Applied MIF = -1.62 dB

RF audio interference level = 23.16 dBV/m

Emission category: M4

MIF scaled E-field

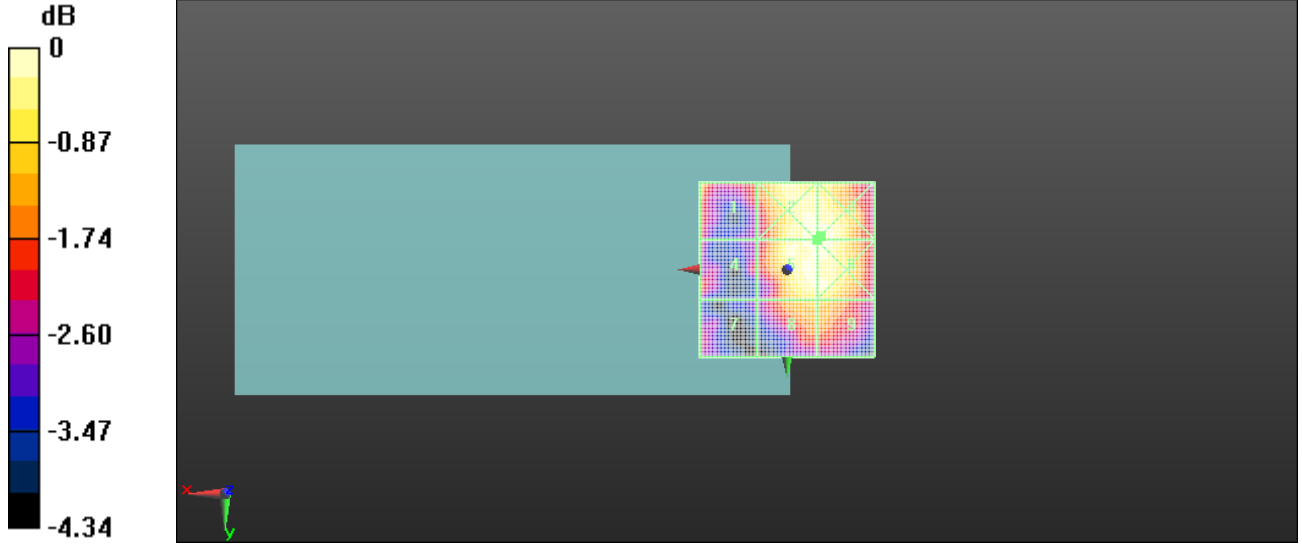
Grid 1 M4 22.96 dBV/m	Grid 2 M4 23.18 dBV/m	Grid 3 M4 23.2 dBV/m
Grid 4 M4 21.75 dBV/m	Grid 5 M4 23.16 dBV/m	Grid 6 M4 23.18 dBV/m
Grid 7 M4 20.94 dBV/m	Grid 8 M4 22.34 dBV/m	Grid 9 M4 22.33 dBV/m

Cursor:

Total = 23.20 dBV/m

E Category: M4

Location: -9.5, -9.5, 7.7 mm



Test Laboratory: SGS-SAR Lab

SP502 HAC-RF-LTE Band 41 PC3 20M QPSK 1RB0 41490CH

DUT: SP502; Type: Smart Phone; Serial: 990012679500691

Communication System: UID 10172 - CAG, LTE-TDD (SC-FDMA, 1 RB, 20 MHz, QPSK); Frequency: 2680 MHz; Duty Cycle: 1:8.33681

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

Phantom section: RF Section

DASY 5 Configuration:

- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

Device E-Field measurement/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 = 21.04 V/m; Power Drift = -0.09dB

Applied MIF = -1.62 dB

RF audio interference level = 23.37 dBV/m

Emission category: M4

MIF scaled E-field

Grid 1 M4 23.13 dBV/m	Grid 2 M4 23.26 dBV/m	Grid 3 M4 23.28 dBV/m
Grid 4 M4 22.46 dBV/m	Grid 5 M4 23.37 dBV/m	Grid 6 M4 23.34 dBV/m
Grid 7 M4 21.78 dBV/m	Grid 8 M4 22.99 dBV/m	Grid 9 M4 23 dBV/m

Cursor:

Total = 23.37 dBV/m

E Category: M4

Location: -6, 0, 7.7 mm

