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

Date: 2022-01-26

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

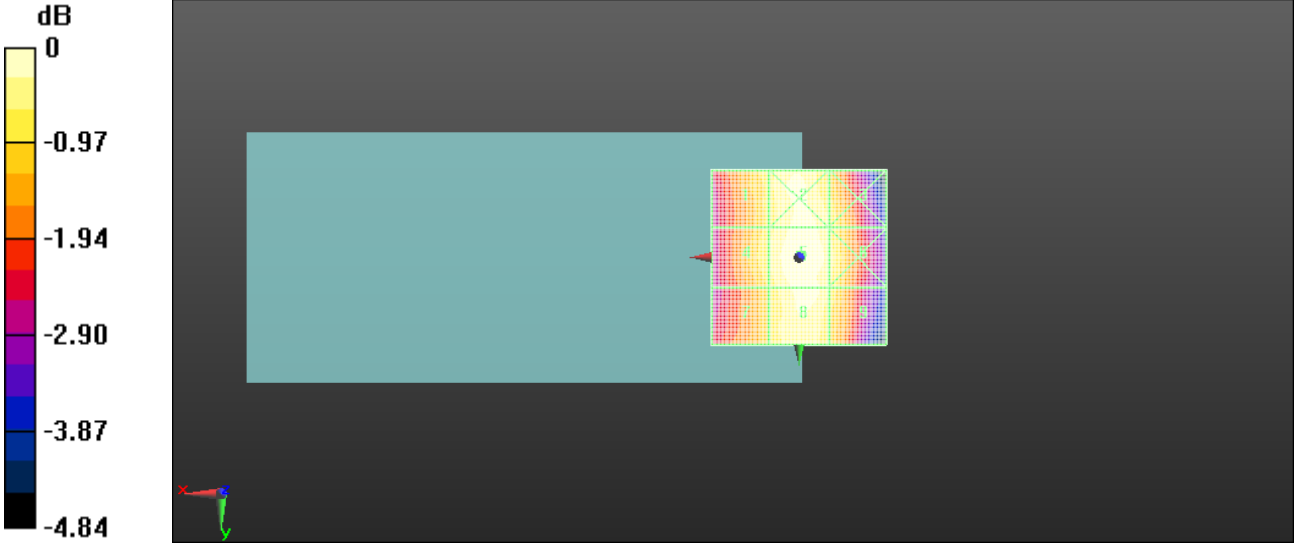
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 27.35 V/m = 28.74 dBV/m

Date: 2022-01-26

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

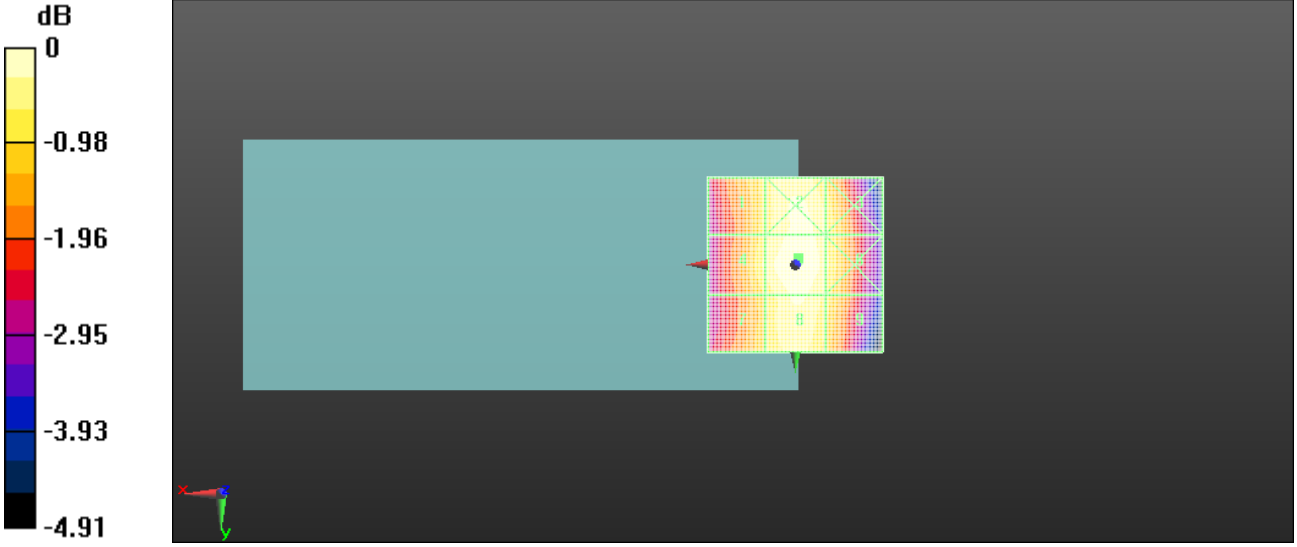
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 26.33 V/m = 28.41 dBV/m

Date: 2022-01-26

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

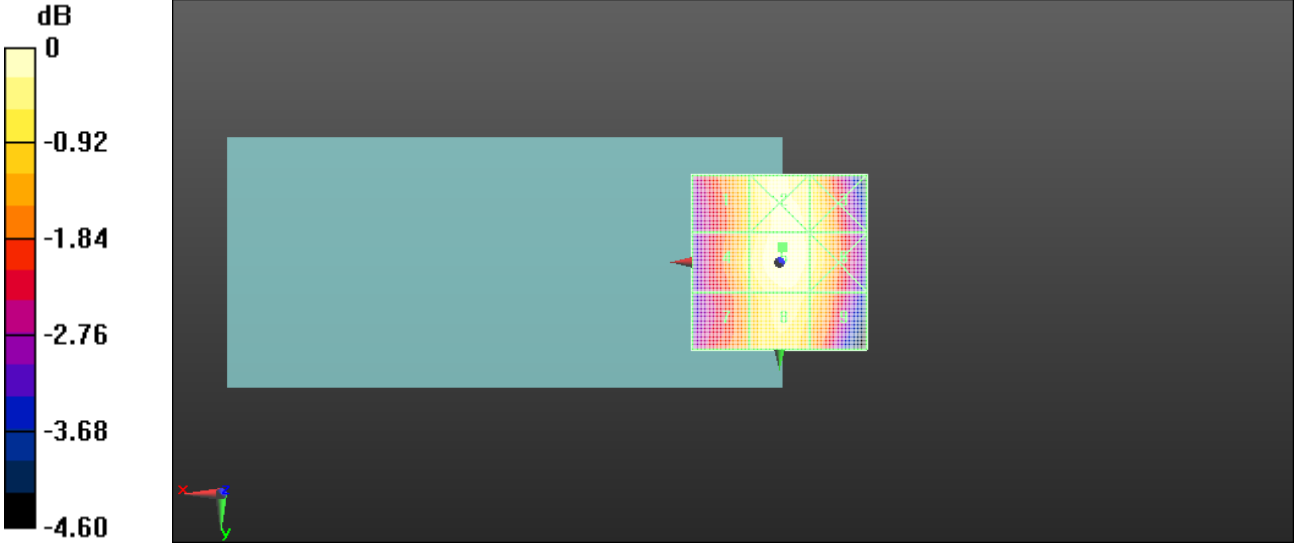
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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

Date: 2022-01-26

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

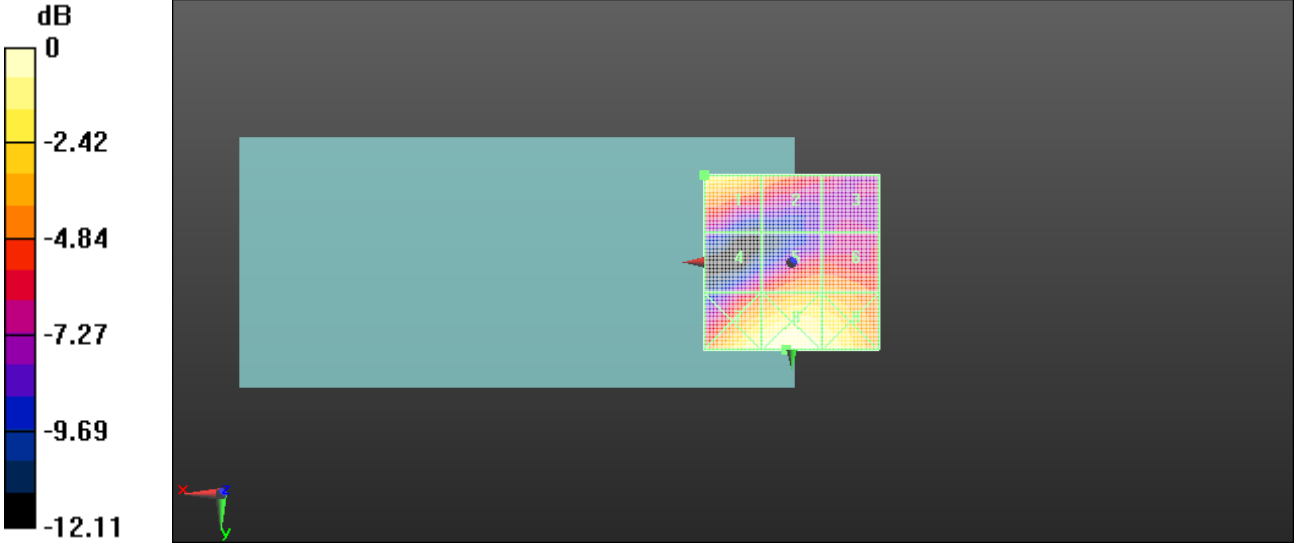
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 17.04 V/m = 24.63 dBV/m

Date: 2022-01-26

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

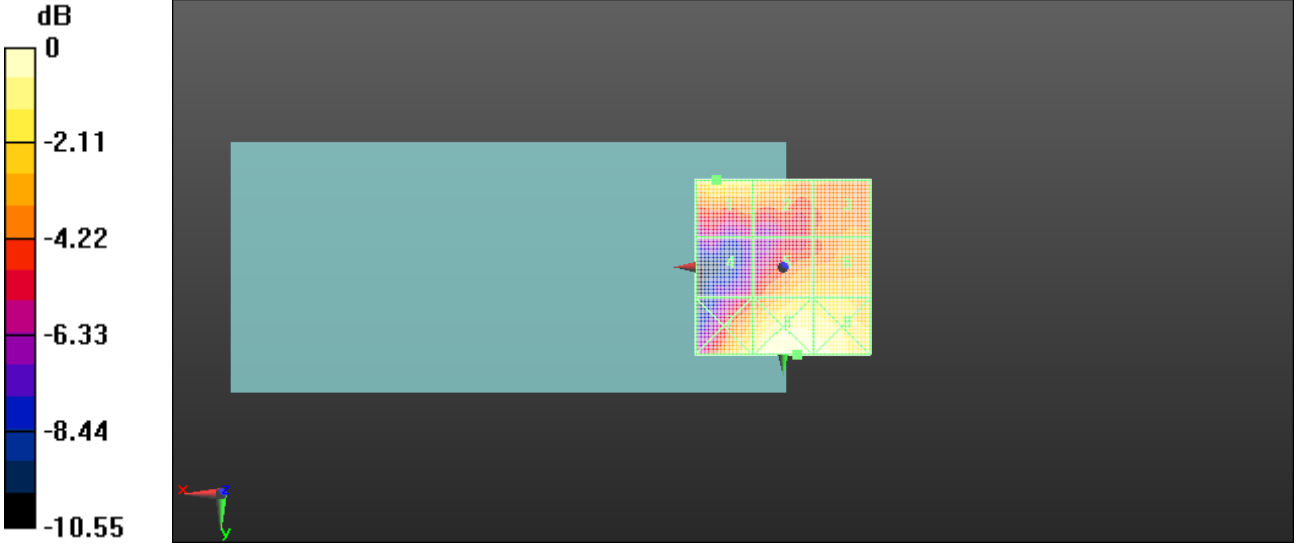
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 15.61 V/m = 23.87 dBV/m

Date: 2022-01-26

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

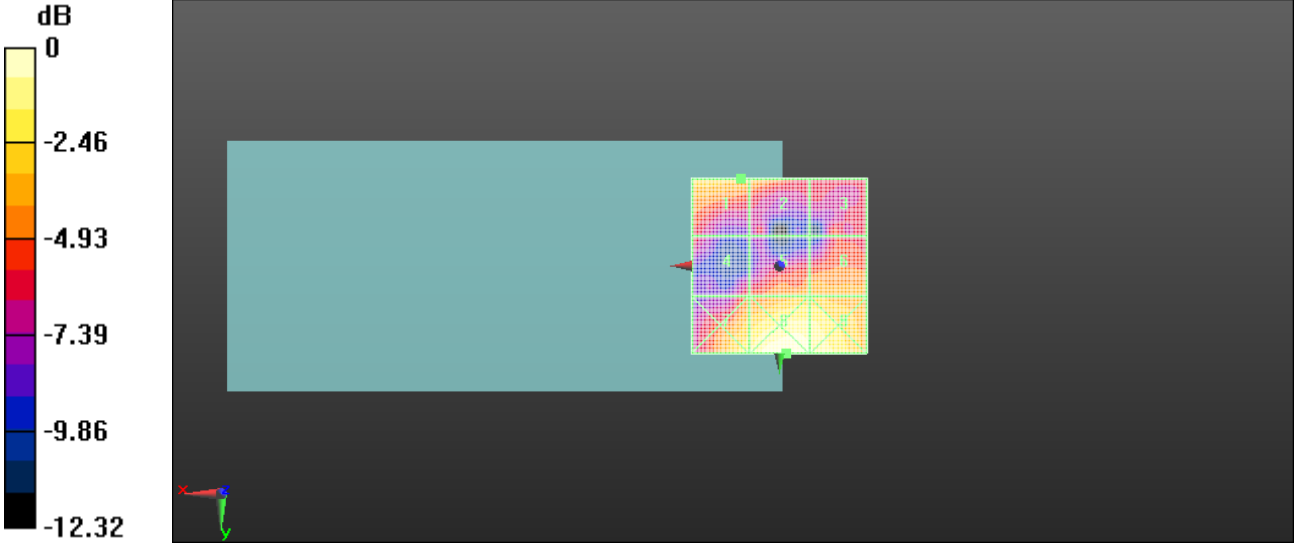
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 11.62 V/m = 21.30 dBV/m

Date: 2022-01-26

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

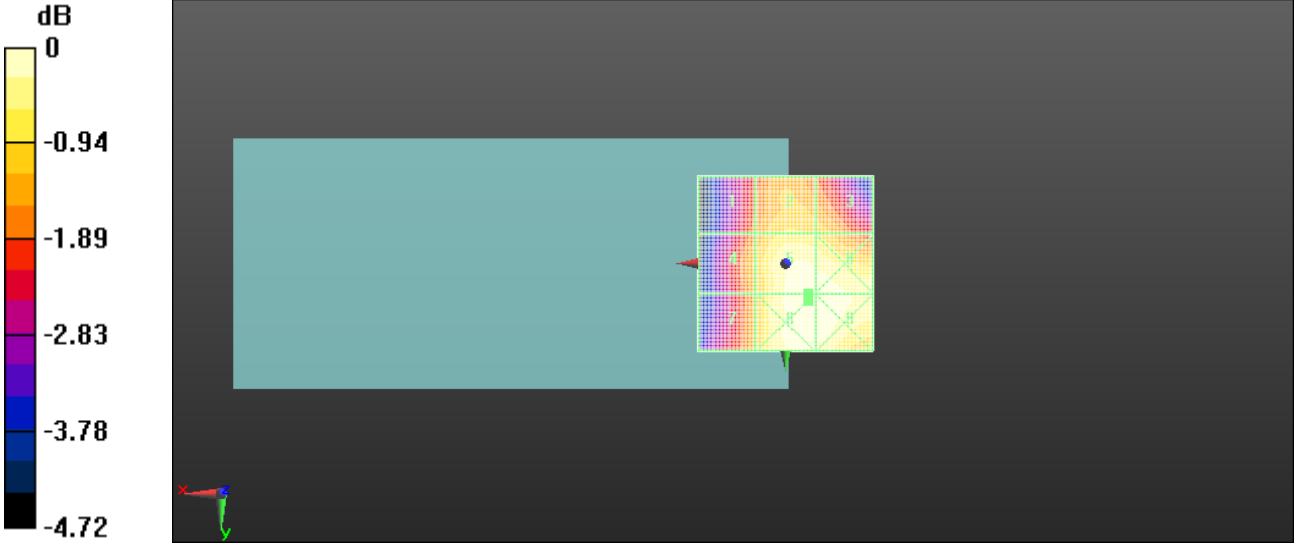
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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

Date: 2022-01-26

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

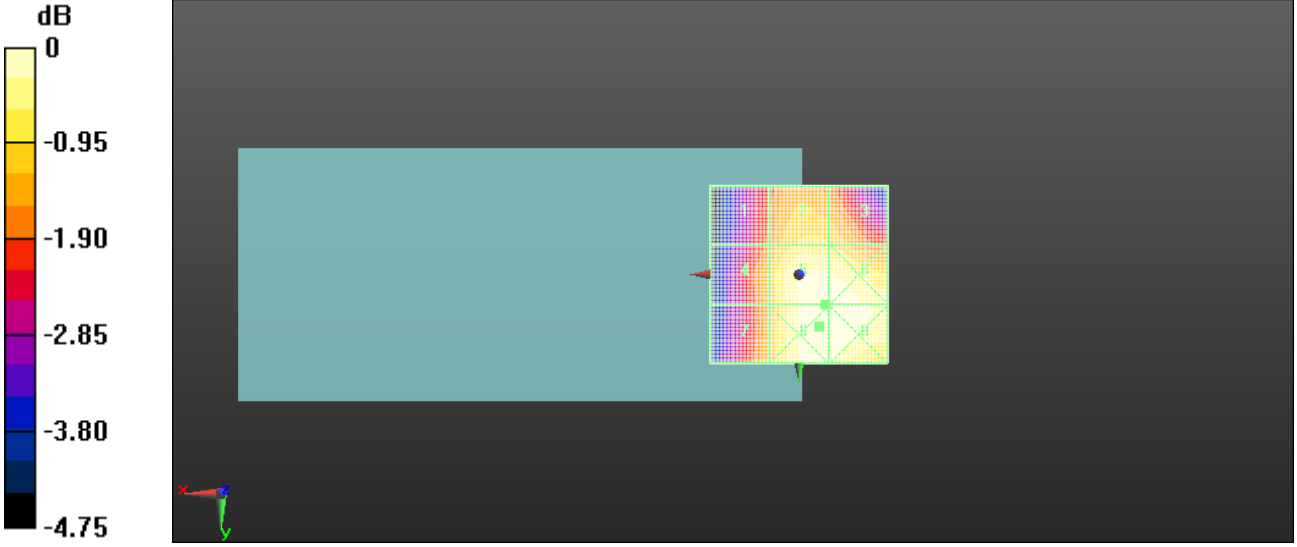
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 30.43 V/m = 29.67 dBV/m

Date: 2022-01-26

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

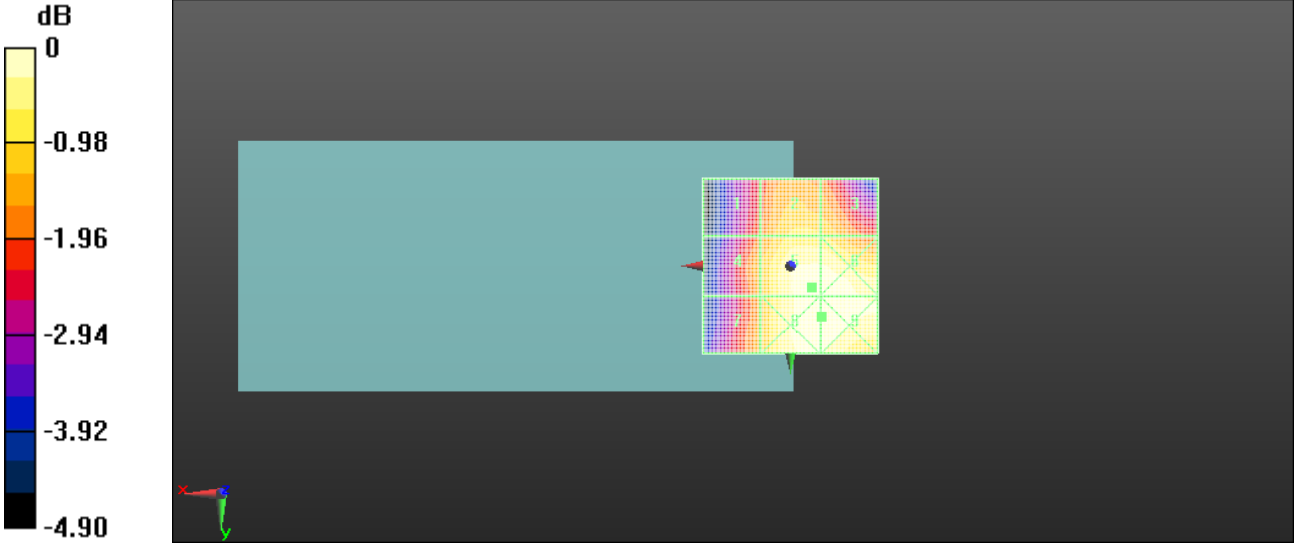
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 30.67 V/m = 29.73 dBV/m

Date: 2022-01-27

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: $\sigma = 0$ S/m, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

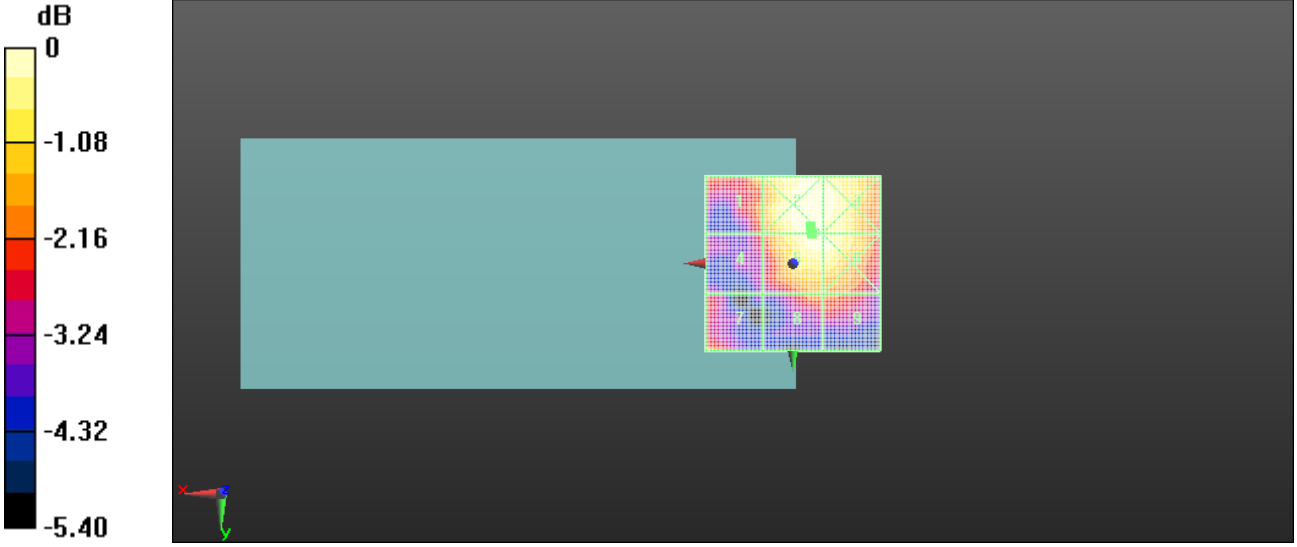
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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



0 dB = 16.32 V/m = 24.25 dBV/m

Date: 2022-01-27

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

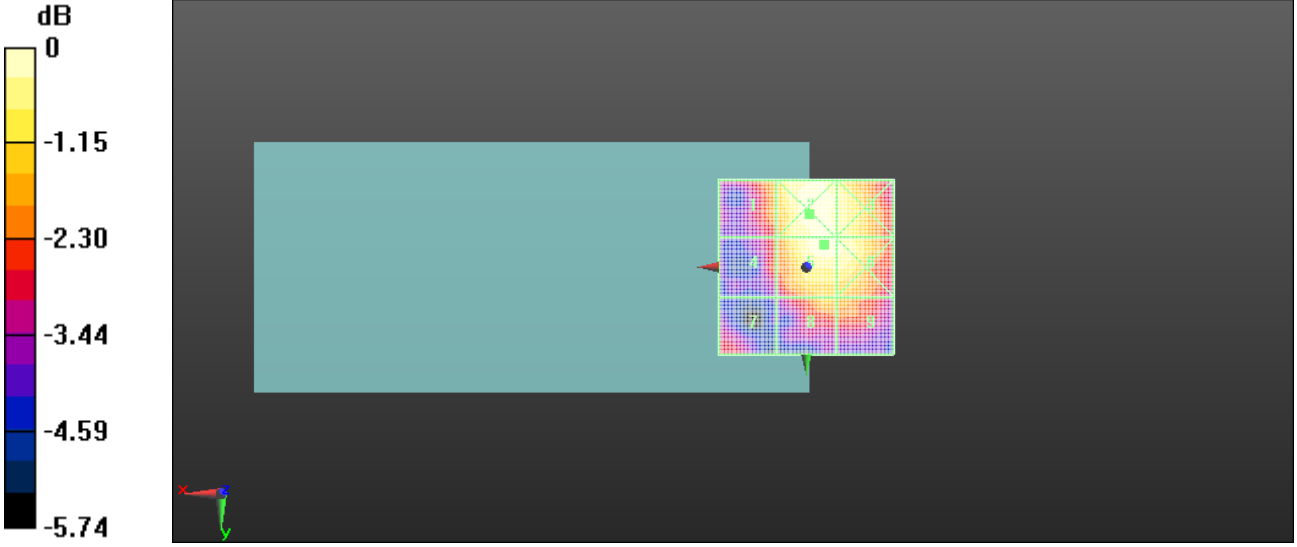
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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

Date: 2022-01-27

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

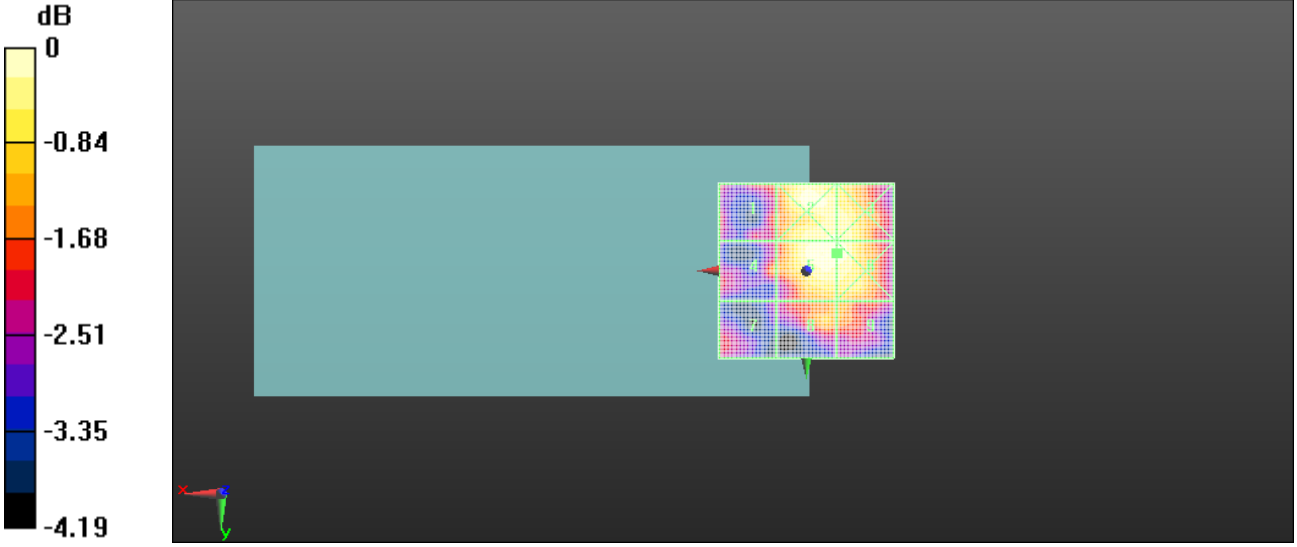
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 14.01 V/m = 22.93 dBV/m

Date: 2022-01-27

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

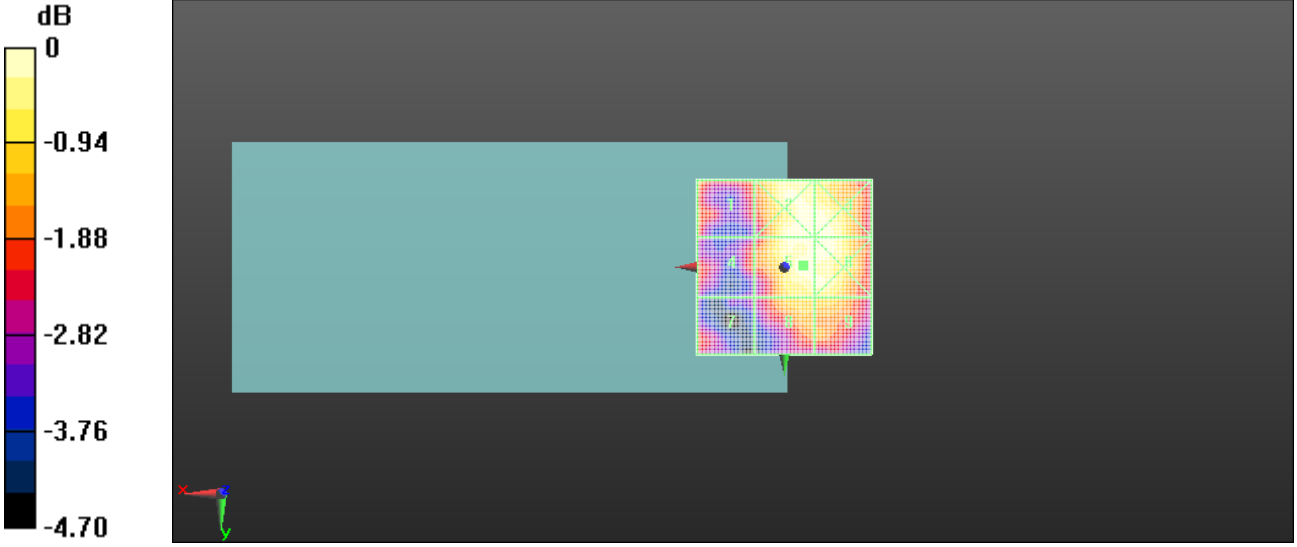
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 15.10 V/m = 23.58 dBV/m

Date: 2022-01-27

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

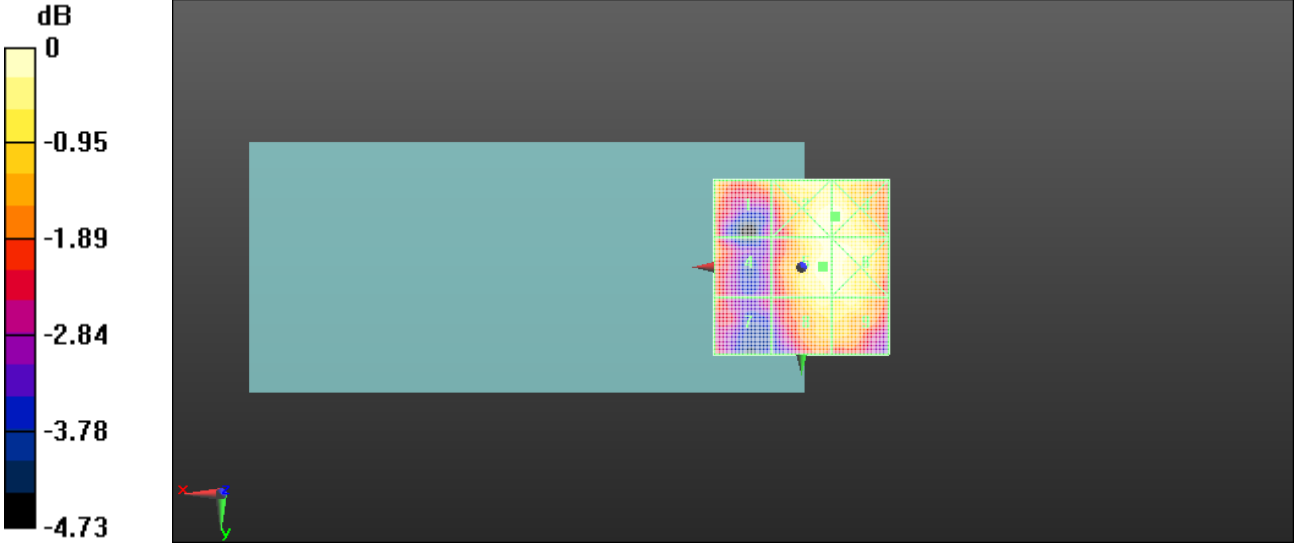
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 15.42 V/m = 23.76 dBV/m

Date: 2022-01-27

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

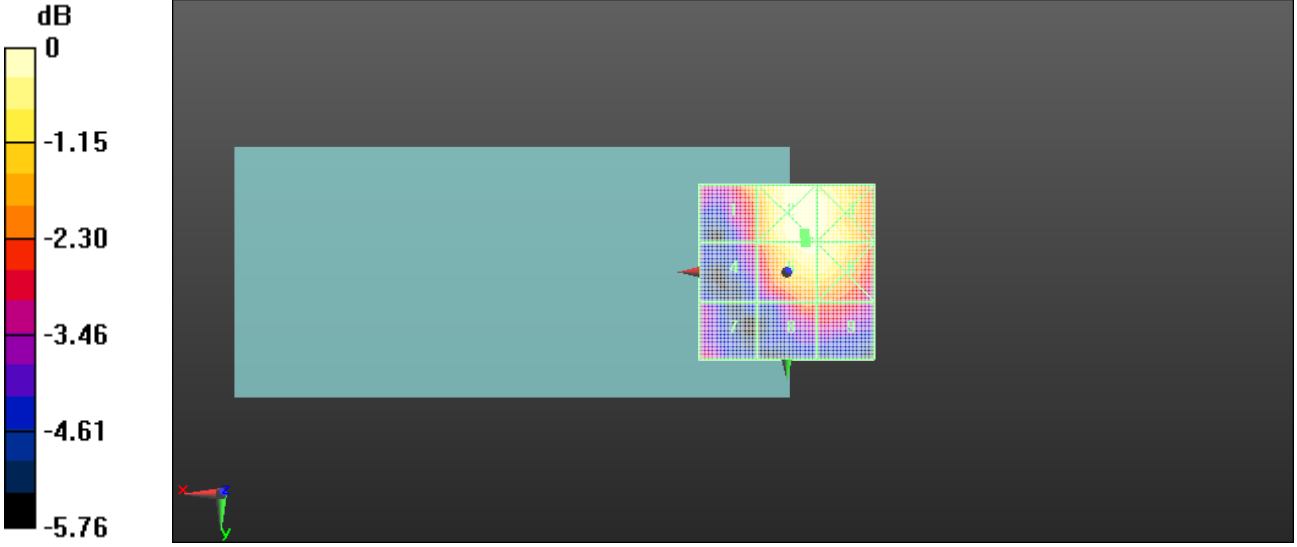
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 18.04 V/m = 25.12 dBV/m

Date: 2022-01-27

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

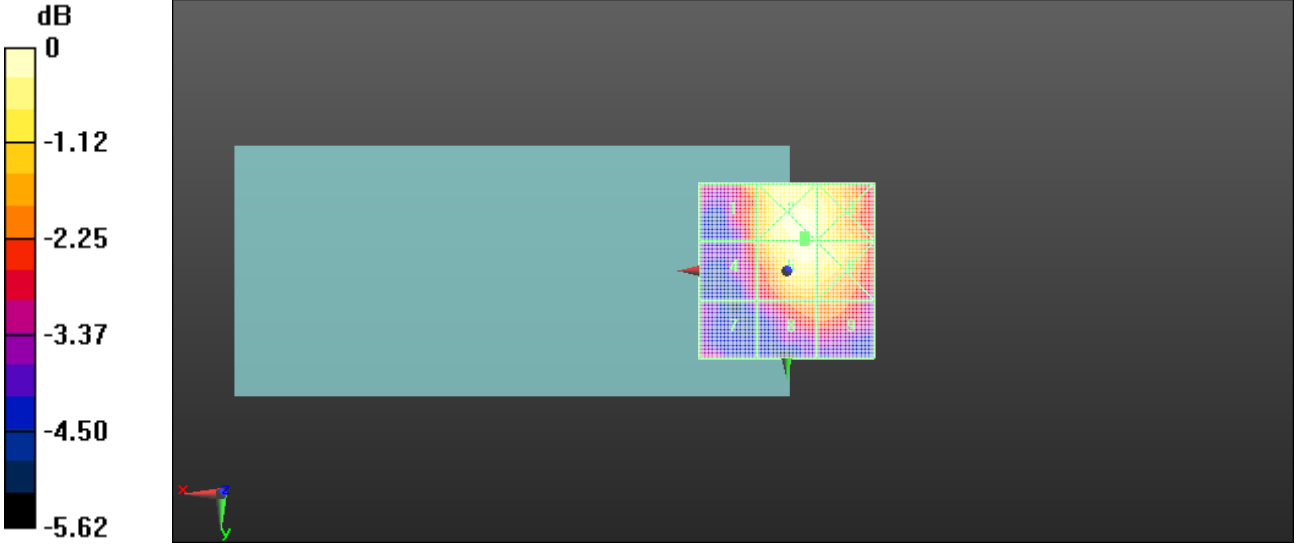
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 16.61 V/m = 24.41 dBV/m

Date: 2022-01-27

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

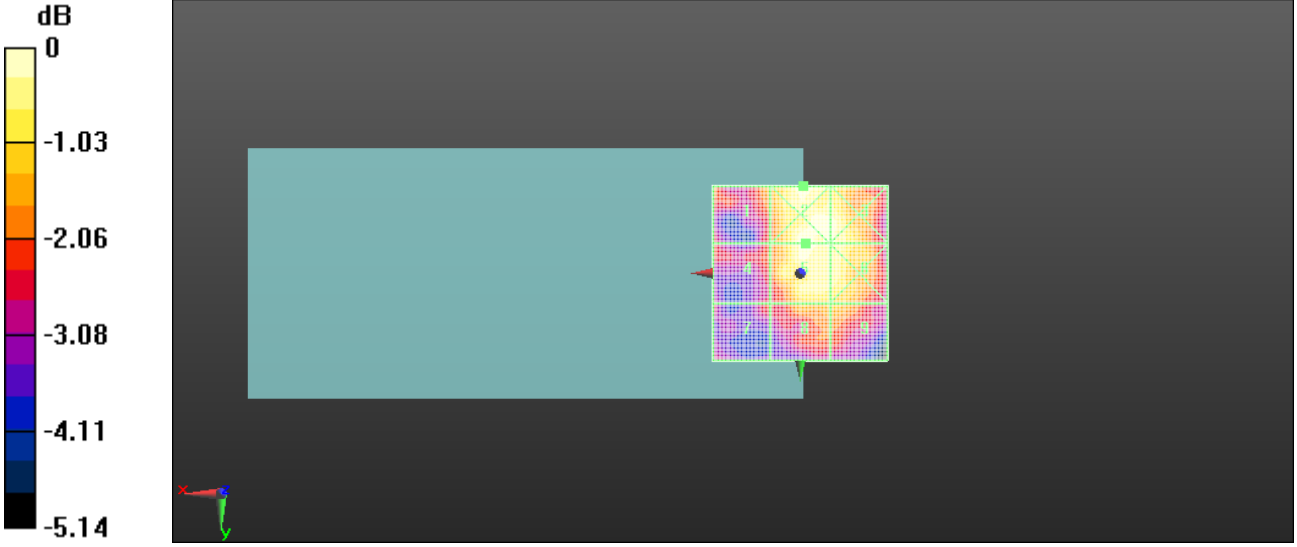
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 14.11 V/m = 22.99 dBV/m

Date: 2022-01-27

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

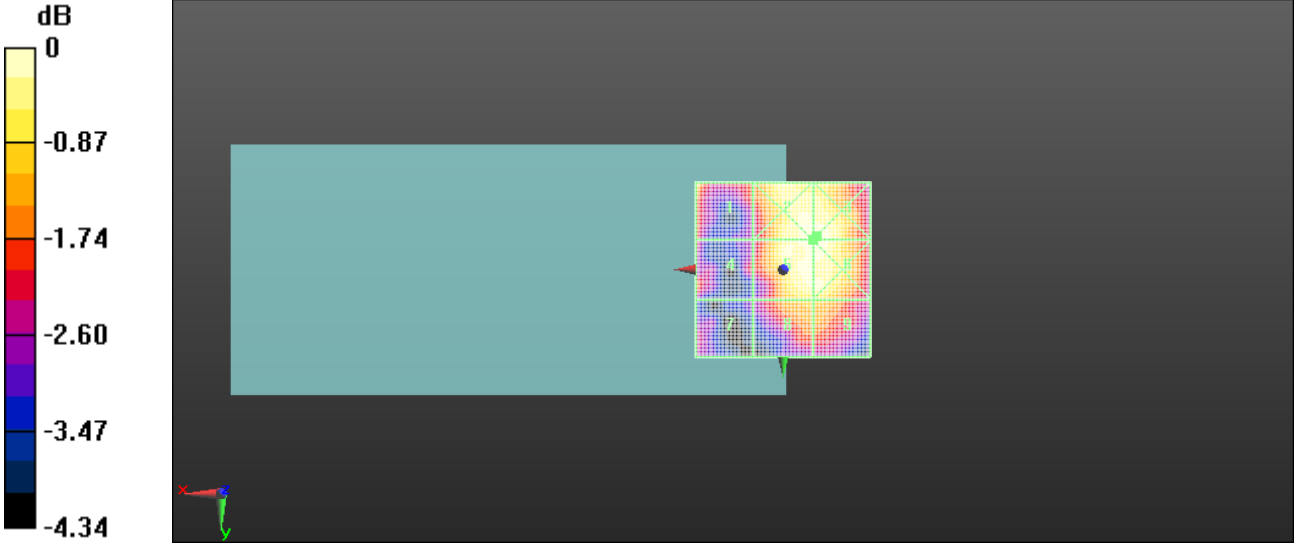
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 14.46 V/m = 23.20 dBV/m

Date: 2022-01-27

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, $\varepsilon_r = 1$; $\rho = 0$ kg/m^3
Phantom section: RF Section

DASY 5 Configuration:

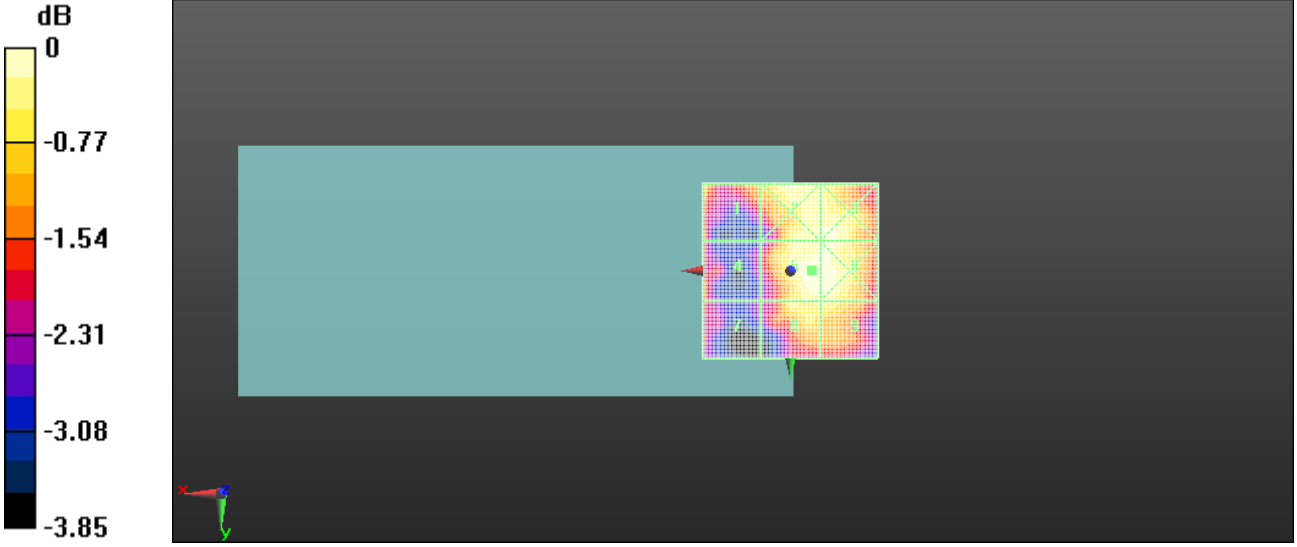
- Probe: EF3DV3 - SN4051; ConvF(1, 1, 1); Calibrated: 2021-05-28
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2021-04-09
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

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 = 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



0 dB = 14.75 V/m = 23.38 dBV/m