



Appendix B

Detailed Test Results

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| 1. GSM |
| GSM850 for E-Field Emission |
| GSM1900 for E-Field Emission |

Test Laboratory: SGS-SAR Lab

5028A HAC-RF-GSM850 GSM Voice 251CH

DUT: 5028A; Type: LTE/WCDMA/GSM mobile phone; Serial: JZXCW8EQJFFURCIJ

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

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: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 115.9 V/m; Power Drift = -0.04 dB

Applied MIF = 3.63 dB

RF audio interference level = 42.22 dBV/m

Emission category: M3

MIF scaled E-field

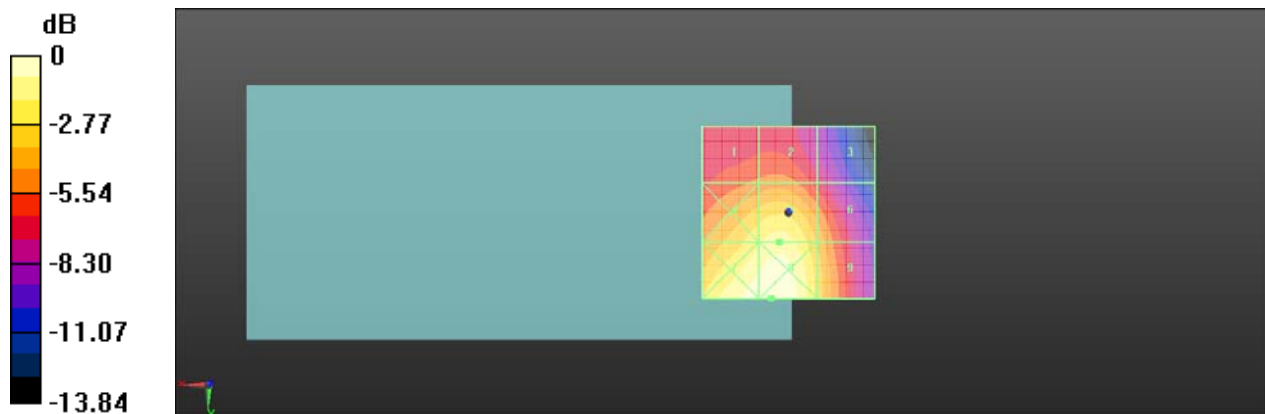
| | | |
|--|--|--|
| Grid 1 M4 38.39 dBV/m | Grid 2 M4 38.64 dBV/m | Grid 3 M4 36.73 dBV/m |
| Grid 4 M3 41.62 dBV/m | Grid 5 M3 42.22 dBV/m | Grid 6 M4 39.74 dBV/m |
| Grid 7 M3 43.36 dBV/m | Grid 8 M3 43.61 dBV/m | Grid 9 M3 40.54 dBV/m |

Cursor:

Total = 43.61 dBV/m

E Category: M3

Location: 5, 25, 7.7 mm



0 dB = 151.5 V/m = 43.61 dBV/m

Test Laboratory: SGS-SAR Lab

5028A HAC-RF-GSM1900 GSM Voice 810CH

DUT: 5028A; Type: LTE/WCDMA/GSM mobile phone; Serial: JZXCW8EQJFFURCIJ

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

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: 2020-05-29;
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn1428; Calibrated: 2020-03-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA;
- DASY52 52.8.8(1222); SEMCAD X 14.6.10(7331)

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 = 9.320 V/m; Power Drift = -0.14 dB

Applied MIF = 3.63 dB

RF audio interference level = 30.34 dBV/m

Emission category: M3

MIF scaled E-field

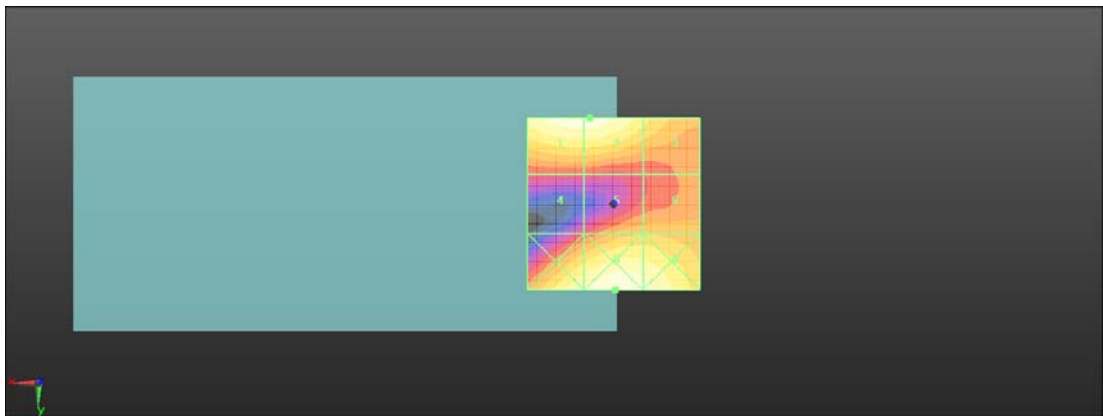
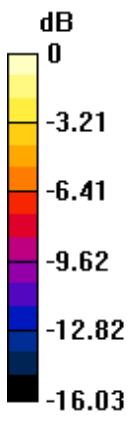
| | | |
|--|--|--|
| Grid 1 M3 30.33 dBV/m | Grid 2 M3 30.34 dBV/m | Grid 3 M4 27.86 dBV/m |
| Grid 4 M4 23 dBV/m | Grid 5 M4 26.24 dBV/m | Grid 6 M4 26.28 dBV/m |
| Grid 7 M4 29.68 dBV/m | Grid 8 M3 30.58 dBV/m | Grid 9 M4 29.95 dBV/m |

Cursor:

Total = 30.58 dBV/m

E Category: M3

Location: -0.5, 25, 7.7 mm



0 dB = 33.80 V/m = 30.58 dBV/m