



Report No.: SEWM2302000050RG07

Rev.: 01

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# Appendix A

## Detailed Test Results

1. GSM
GSM850 for T-coil

Test Laboratory: SGS-SAR Lab

## SV55216 HAC-T-Coil-GSM850 GSM Voice 190CH

**DUT: SV55216; Type: Smart Phone; Serial: 356566229915301**

Communication System: UID 0, GSM Only Communication System (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium: Air; Medium parameters used:  $\sigma = 0$  S/m,  $\epsilon_r = 1$ ;  $\rho = 0$  kg/m<sup>3</sup>  
Phantom section: TCoil Section

DASY 5 Configuration:

- Probe: AM1DV3 - 3115; ; Calibrated: 2022-06-13
- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
- DASY52 52.10.4(1527); SEMCAD X 14.6.14(7483)

### T-Coil scan/General Scans/z (axial) 4.2mm 50 x 50/ABM Interpolated SNR(x,y,z)

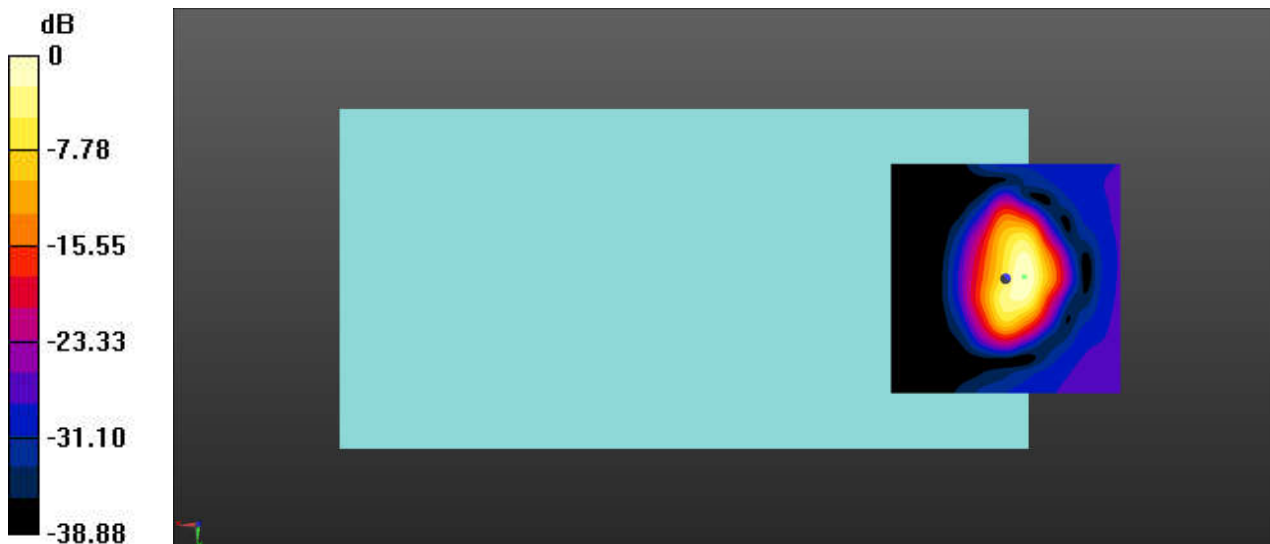
**(121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 31.34 dB

ABM1 comp = -7.52 dBA/m

BWC Factor = 0.11 dB

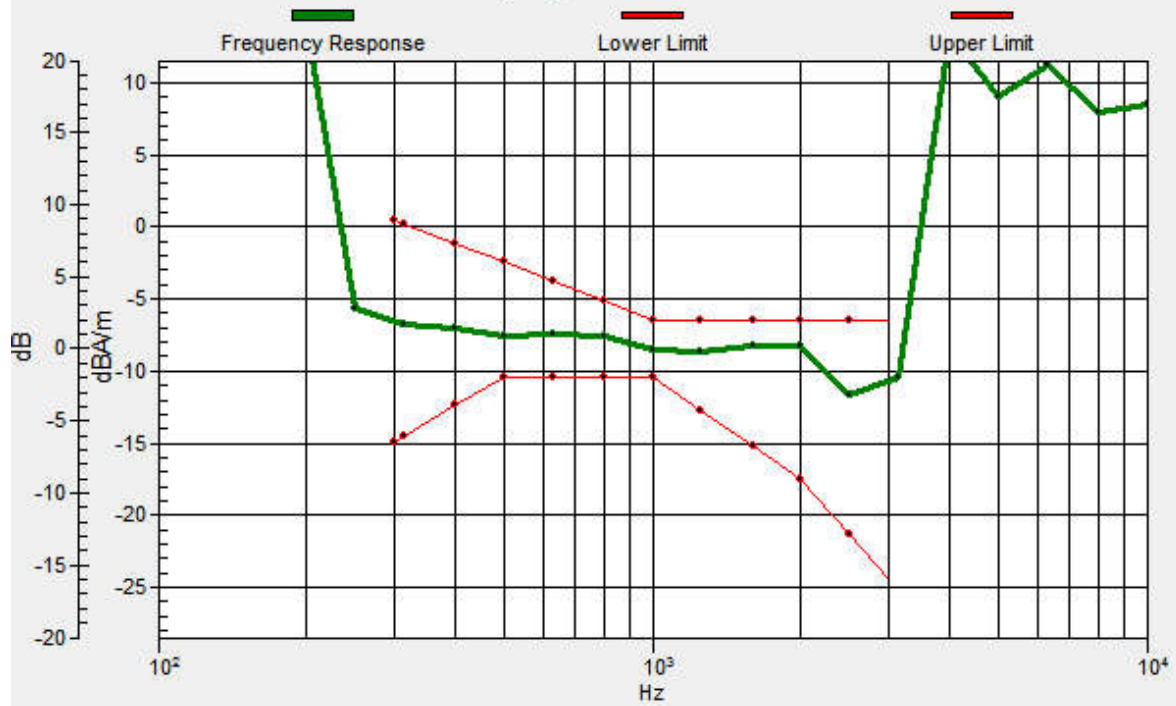
Location: -4.2, -0.4, 3.7 mm



0 dB = 36.89 = 31.34 dB

# General Scans/z (axial) wideband at best S/N/ABM Freq Resp(x,y,z,f)

Loc: -4, -0.4, 3.7 mm Diff: 1.75dB



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Phantom section: TCoil Section

DASY 5 Configuration:

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- Sensor-Surface: 0mm (Fix Surface)
- Electronics: DAE4 Sn1740; Calibrated: 2022-08-03
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial:
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### T-Coil scan/General Scans/y (transversal) 4.2mm 50 x 50/ABM Interpolated SNR

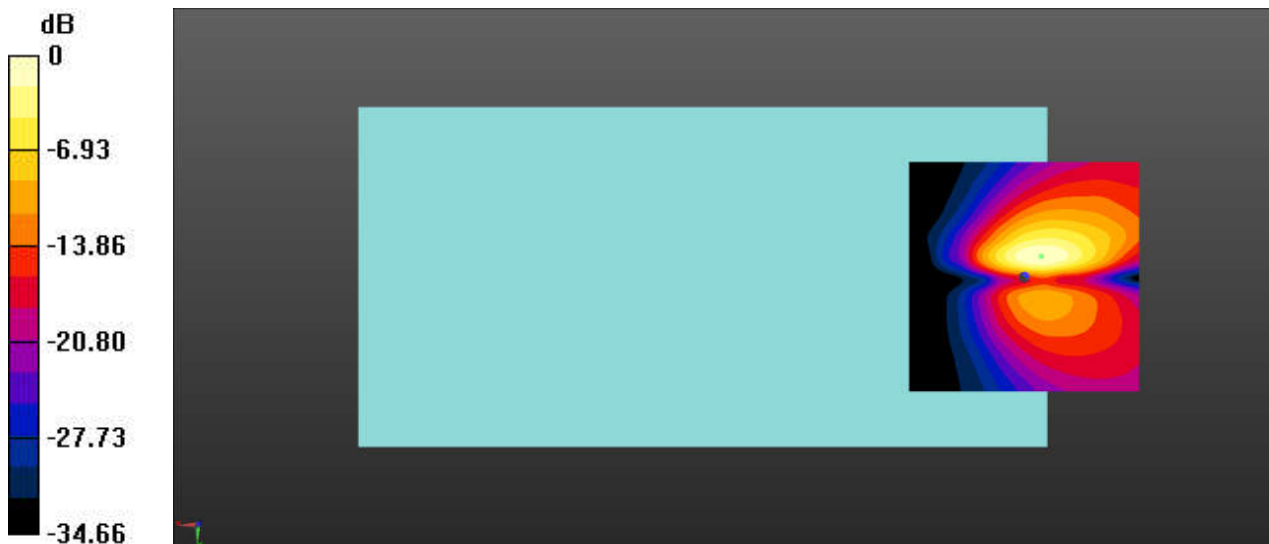
**(x,y,z) (121x121x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

ABM1/ABM2 = 27.41 dB

ABM1 comp = -17.28 dBA/m

BWC Factor = 0.11 dB

Location: -3.7, -4.6, 3.7 mm



0 dB = 23.46 = 27.41 dB