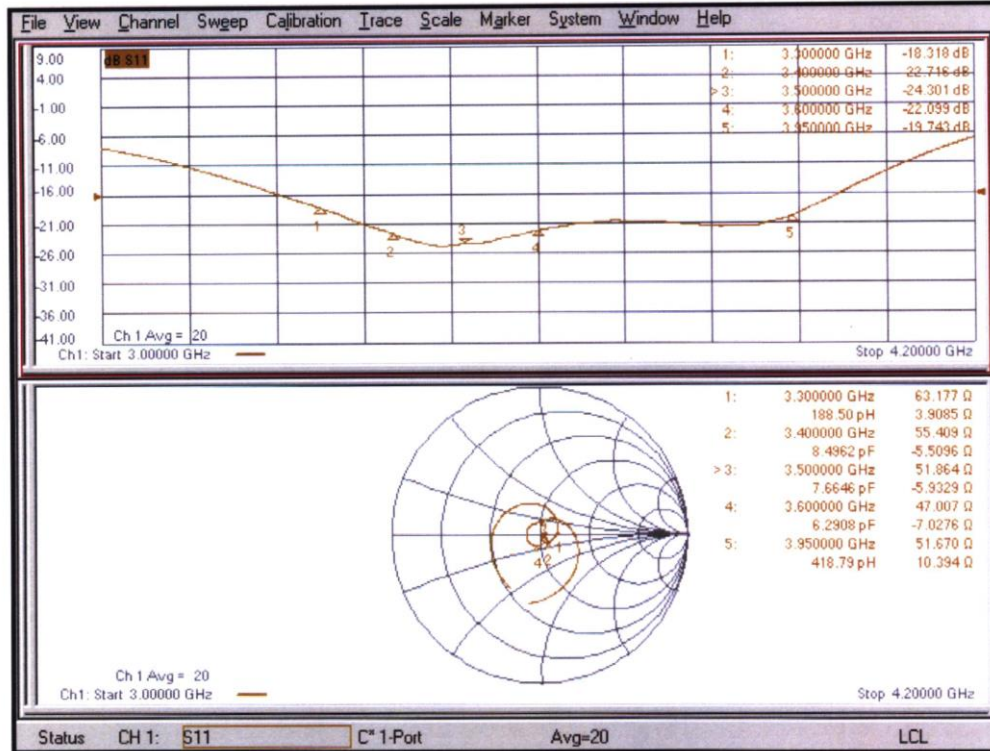


# Impedance Measurement Plot



**DASY5 E-field Result**

Date: 16.08.2024

Test Laboratory: SPEAG Lab2

**DUT: HAC Dipole 3500 MHz; Type: CD3500V3; Serial: CD3500V3 - SN: 1008**

Communication System: UID 0 - CW ; Frequency: 3500 MHz, Frequency: 3900 MHz

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

Phantom section: RF Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2011)

DASY52 Configuration:

- Probe: EF3DV3 - SN4013; ConvF(1, 1, 1) @ 3500 MHz, ConvF(1, 1, 1) @ 3900 MHz; Calibrated: 28.12.2023
- Sensor-Surface: (Fix Surface)
- Electronics: DAE4 Sn781; Calibrated: 16.02.2024
- Phantom: HAC Test Arch with AMCC; Type: SD HAC P01 BA; Serial: 1070
- DASY52 52.10.4(1535); SEMCAD X 14.6.14(7501)

**Dipole E-Field measurement @ 3500MHz/E-Scan - 3500MHz d=15mm/Hearing Aid Compatibility Test (41x121x1):**

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 150.7 V/m; Power Drift = 0.00 dB

Applied MIF = 0.00 dB

RF audio interference level = 38.65 dBV/m

**Emission category: M2**

MIF scaled E-field

Grid 1 M2	Grid 2 M2	Grid 3 M2
38.32 dBV/m	38.51 dBV/m	38.43 dBV/m
Grid 4 M2	Grid 5 M2	Grid 6 M2
38.28 dBV/m	38.37 dBV/m	38.23 dBV/m
Grid 7 M2	Grid 8 M2	Grid 9 M2
38.5 dBV/m	38.65 dBV/m	38.47 dBV/m

**Dipole E-Field measurement @ 3500MHz/E-Scan - 3900MHz, d=15mm/Hearing Aid Compatibility Test (41x121x1):**

Interpolated grid: dx=0.5000 mm, dy=0.5000 mm

Device Reference Point: 0, 0, -6.3 mm

Reference Value = 135.3 V/m; Power Drift = 0.01 dB

Applied MIF = 0.00 dB

RF audio interference level = 38.26 dBV/m

**Emission category: M2**

MIF scaled E-field

Grid 1 M2	Grid 2 M2	Grid 3 M2
37.97 dBV/m	38.14 dBV/m	38.08 dBV/m
Grid 4 M2	Grid 5 M2	Grid 6 M2
38.07 dBV/m	38.12 dBV/m	38.01 dBV/m
Grid 7 M2	Grid 8 M2	Grid 9 M2
38.15 dBV/m	38.26 dBV/m	38.09 dBV/m

