Kyma Analysis Report

Date: 24. feb 2020 Name: 1991b Temperature: 23.0

Filename: 1991b-TPF-UFCM 20200224 Waves analysed : Bz265,Bx265,Izmes3,Ixmes3 Gap [mm] : 200

Phase [mm]: 0 Hall Z [mm]: 1 Peak Field Bx: 0.01232 T RMS Phase Error: 5.52 deg

Taper [mm]: 0 Hall X [mm]: 12 Delta Bx/Bx: 15.8 % Fund. En. (B2E) : 2062.2 eV = 0.6 nmPeak Field Bz: 0.64639 T Radiation wavelength (lin. fit): 0.6 nm

Peaks used: 102 Bz Taper: -24.462 G/m

Undulator Period: 22.00+-0.02 mm Delta Bz/Bz: 1.1 % e-beam energy: 3 GeV Bx Taper: -10.545 G/m

Krms: 0.939

V Dipole: -25.6 G cm Iz(coil): -24.2 G cm Pred. C.C. currents V Quadrupole: -81.6 G Iz(BzC): -24.1 Gcm Iz(Bz): 25.1 G cm I1: -1.9668 A V Sextupole: -379.9 G/cm Ix(coil): 32.4 G cm I2: -1.5411 A

Ix(BxC): 32.4 Gcm Ix(Bx): 112.2 G cm

H Dipole: 3.5 G cm $IIx(sBx) : 0.2772 \text{ G m}^2$ I3: 2.0180 A I4: -2.3262 A H Quadrupole: -314.5 G IIz(sBz): 0.3002 G m^2

H Sextupole: 545.8 G/cm BzTrj RMS dev.: 0.3 um BxTrj RMS dev.: 0.3 um

