DDS1_02_29_00_1: +8% vg, 13 cells/180 deg, zero drift
(dashed = measurement, solid = prediction)
DDS2_02_29_00_1: +5% vg, 10 cells/180 deg, 40 deg drift
(dashed = measurement, solid = prediction)
Beam Induced RF at the Output of DDS3

Solid = Measurement, Dotted = Prediction with 35° Linear Offset
Beam Induced RF at the Output of DS1

Solid = Measurement, Dotted = Prediction with -14° Linear Offset

DS1_04_11_00_p2

Red = Before Install in NLCTA
Green = After Removed
Beam Induced RF at the Output of DDS2

Solid = Measurement, Dotted = Prediction with -70° Linear Offset

DDS2_05_11_00_p2 @ ΔT = -30 degF
Beam Induced RF at the Output of DDS2
Solid = Measurement, Dotted = Prediction with 32° Linear Offset

RF Phase (deg)

RF Amp (au)

Time (ns)

DDS2_05_12_00_p3
Beam Induced RF at the Output of DS2

Solid = Measurement,  Dotted = Prediction with 30° Linear Offset

DS2_05_11_00_p4

Org BP
Beam Induced RF at the Output of DS2

Solid = Measurement, Dotted = Prediction with 45° Linear Offset

DS2_05_11_00_p4

-Org BP
Beam Induced RF at the Output of DS2

Solid = Measurement, Dotted = Prediction with 55° Linear Offset

DS2_05_11_00_p4

Old/New BP
Beam Induced RF at the Output of DS2
Solid = Measurement, Dotted = Prediction with 30/40° Linear Offset

RF Phase (deg)

RF Amp (au)

DS2_05_11_00_p4

+Org/-Old BP

Time (ns)
Beam Induced RF at the Output of DDS1

Solid = Measurement, Dotted = Prediction with 50° Linear Offset
Simulation of Beam Induced RF
from a Constant Impedance Structure with $v_g = 3\%$