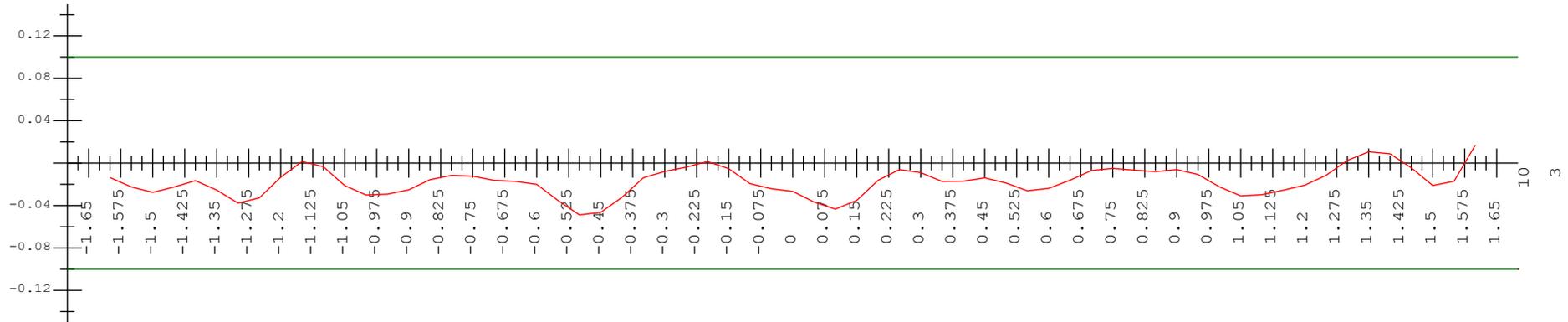


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

Red = Actual Chamber Centerline



Quadrupole

Value	Nominal	Actual	Deviation
X Center	0.000	0.025	0.025
Y Center	0.000	0.010	0.010
Z Center	1830.000	1829.901	-0.099
Roll	0.000	0.459	0.459
Pitch	0.000	0.274	0.274
Yaw	0.000	-0.316	-0.316

BPM

Value	Nominal	Actual	Deviation
US X	0.000	-0.017	-0.017
US Y	0.000	0.022	0.022
DS X	0.000	-0.030	-0.030
DS Y	0.000	-0.026	-0.026
Roll	0.000	0.992	0.992
BPM-QUAD	128.120	128.108	-0.012

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	-0.587	-0.587
US Y	0.000	0.039	0.039
DS X	0.000	-0.456	-0.456
DS Y	0.000	0.041	0.041

Dimensions in MM, Angles in Milliradians



HGVPU - Chamber Profile and Interspace Components

Installed Quad S/N: 0744

S/N : HXU_021
Date : 15-NOV-2019
Data Set : 0001
Run : RUN 1
Cam Pos. : B