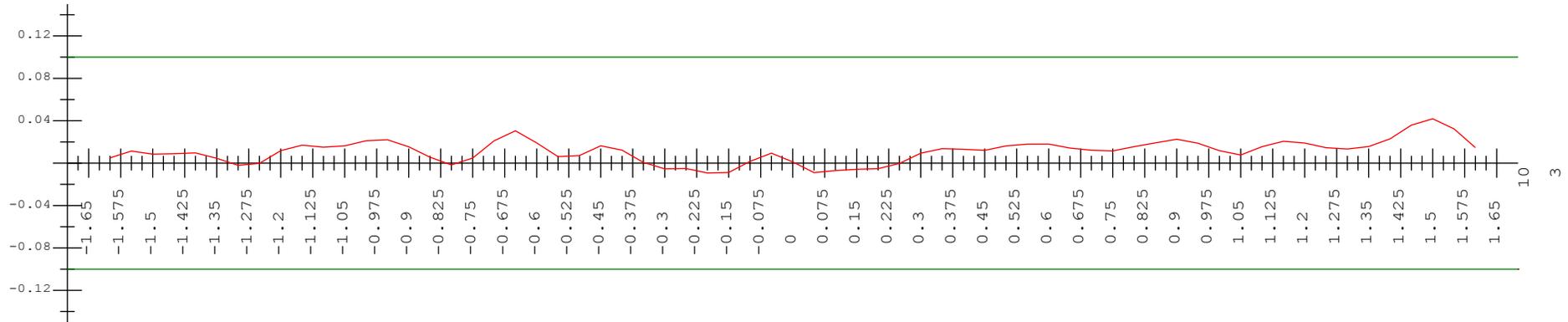


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

Red = Actual Chamber Centerline



Quadrupole

Value	Nominal	Actual	Deviation
X Center	0.000	0.033	0.033
Y Center	0.000	-0.028	-0.028
Z Center	1830.000	1829.949	-0.051
Roll	0.000	0.184	0.184
Pitch	0.000	0.433	0.433
Yaw	0.000	-0.436	-0.436

BPM

Value	Nominal	Actual	Deviation
US X	0.000	0.008	0.008
US Y	0.000	-0.016	-0.016
DS X	0.000	0.016	0.016
DS Y	0.000	-0.008	-0.008
Roll	0.000	0.753	0.753
BPM-QUAD	128.120	128.105	-0.015

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	0.127	0.127
US Y	0.000	0.093	0.093
DS X	0.000	0.088	0.088
DS Y	0.000	-0.074	-0.074

Dimensions in MM, Angles in Milliradians



HGVPU -

Chamber Profile and Interspace Components

Installed Quad S/N: 0724

S/N : HXU_008
Date : 19-NOV-2019
Data Set : 0001
Run : RUN 1
Cam Pos. : B