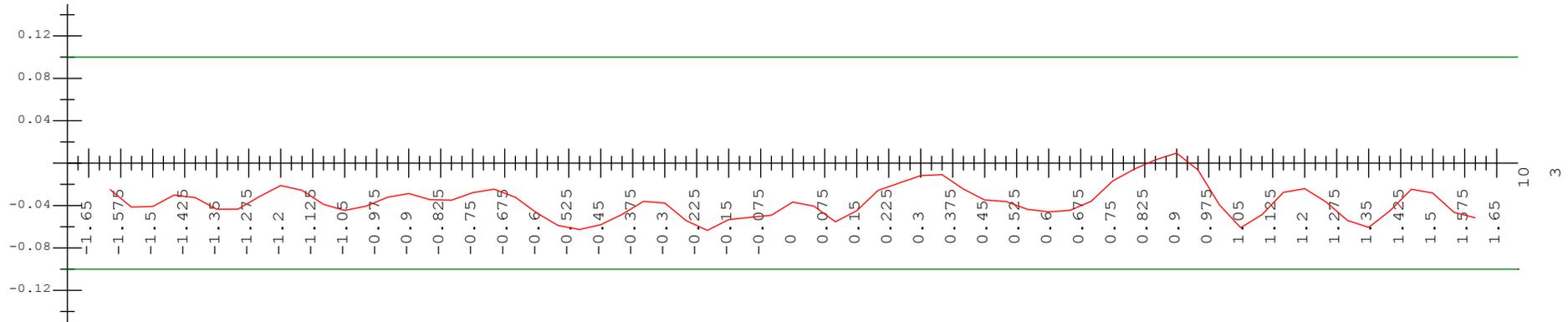


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

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	0.025	0.025
US Y	0.000	0.015	0.015
DS X	0.000	0.013	0.013
DS Y	0.000	0.007	0.007
Roll	0.000	0.514	0.514
BPM-QUAD	128.120	128.207	0.087

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	-0.111	-0.111
US Y	0.000	-0.072	-0.072
DS X	0.000	-0.124	-0.124
DS Y	0.000	-0.041	-0.041

Dimensions in MM, Angles in Milliradians



**HGVPU -**

**Chamber Profile and Interspace Components**

**Installed Quad S/N: 0719**

**S/N : HXU\_022**  
**Date : 15-NOV-2019**  
**Data Set : 0002**  
**Run : RUN 1**  
**Cam Pos. : B**