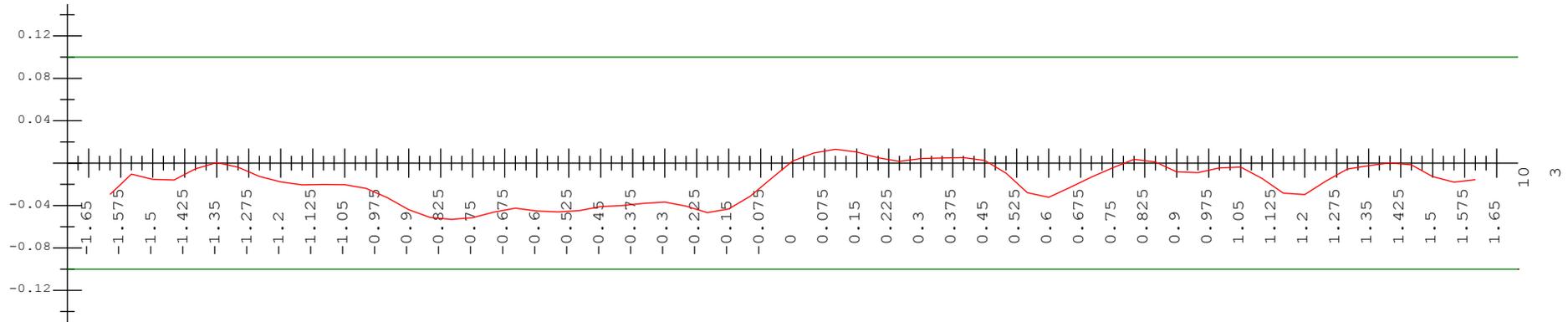


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

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	0.002	0.002
US Y	0.000	0.026	0.026
DS X	0.000	-0.025	-0.025
DS Y	0.000	0.016	0.016
Roll	0.000	0.240	0.240
BPM-QUAD	128.120	128.122	0.002

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	0.183	0.183
US Y	0.000	-0.011	-0.011
DS X	0.000	0.361	0.361
DS Y	0.000	0.026	0.026

Dimensions in MM, Angles in Milliradians



**HGVPU - Chamber Profile and Interspace Components**

**Installed Quad S/N: 0738**

**S/N : HXU\_026**  
**Date : 15-NOV-2019**  
**Data Set : 0001**  
**Run : RUN 1**  
**Cam Pos. : B**