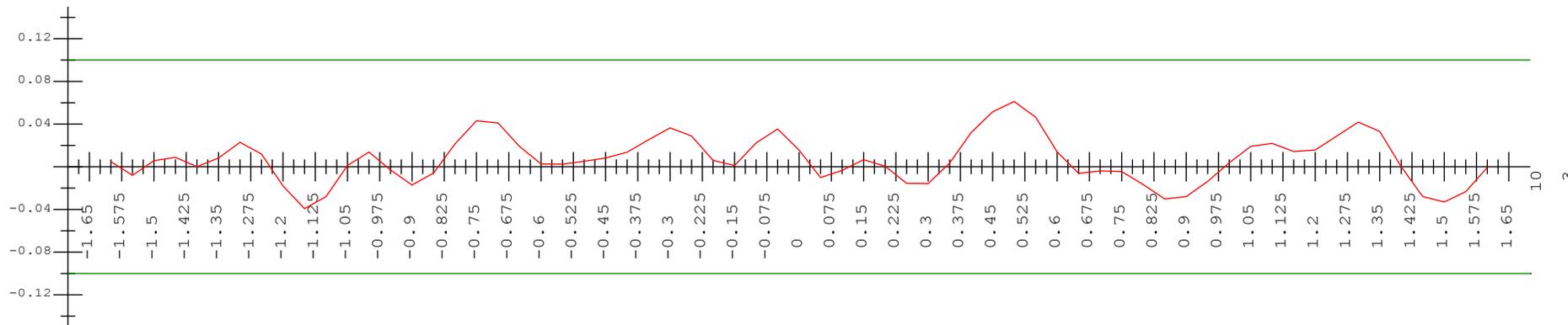


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

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	-0.031	-0.031
US Y	0.000	0.033	0.033
DS X	0.000	-0.033	-0.033
DS Y	0.000	0.024	0.024
Roll	0.000	0.666	0.666
BPM-QUAD	128.120	128.152	0.032

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	-0.069	-0.069
US Y	0.000	0.093	0.093
DS X	0.000	-0.068	-0.068
DS Y	0.000	-0.034	-0.034

Dimensions in MM, Angles in Milliradians



**HGVPU -**

**Chamber Profile and Interspace Components**

**Installed Quad S/N: 0717**

**S/N : HXU\_023**  
**Date : 15-NOV-2019**  
**Data Set : 0001**  
**Run : RUN 1**  
**Cam Pos. : B**