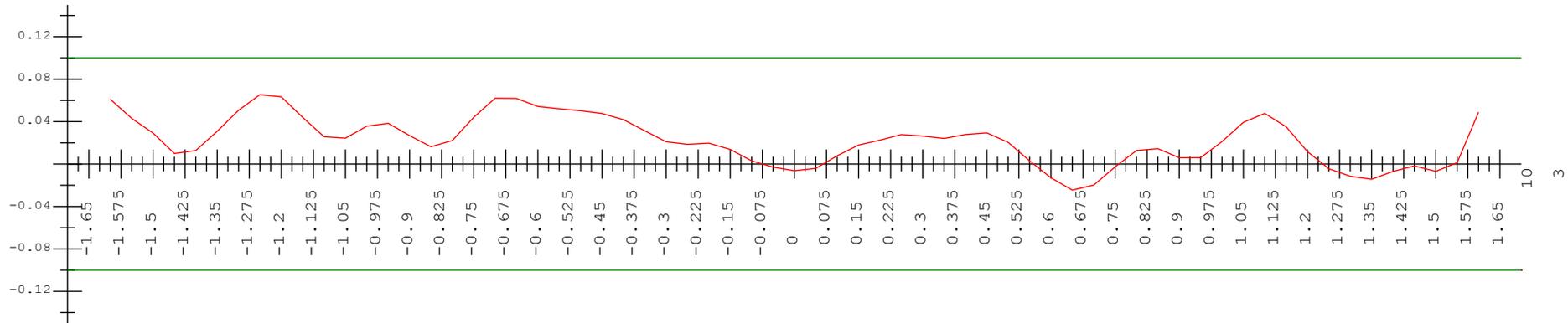


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

Red = Actual Chamber Centerline



Quadrupole

Value	Nominal	Actual	Deviation
X Center	0.000	0.044	0.044
Y Center	0.000	0.008	0.008
Z Center	1830.000	1829.934	-0.066
Roll	0.000	0.205	0.205
Pitch	0.000	0.031	0.031
Yaw	0.000	0.096	0.096

BPM

Value	Nominal	Actual	Deviation
US X	0.000	0.010	0.010
US Y	0.000	0.042	0.042
DS X	0.000	0.000	0.000
DS Y	0.000	-0.019	-0.019
Roll	0.000	0.219	0.219
BPM-QUAD	128.120	128.083	-0.037

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	-0.136	-0.136
US Y	0.000	0.105	0.105
DS X	0.000	-0.151	-0.151
DS Y	0.000	-0.078	-0.078

Dimensions in MM, Angles in Milliradians



**HGVPU - Chamber Profile and Interspace Components**

**Installed Quad S/N: 0720**

**S/N : HXU\_025**  
**Date : 25-NOV-2019**  
**Data Set : 0001**  
**Run : RUN 1**  
**Cam Pos. : B**