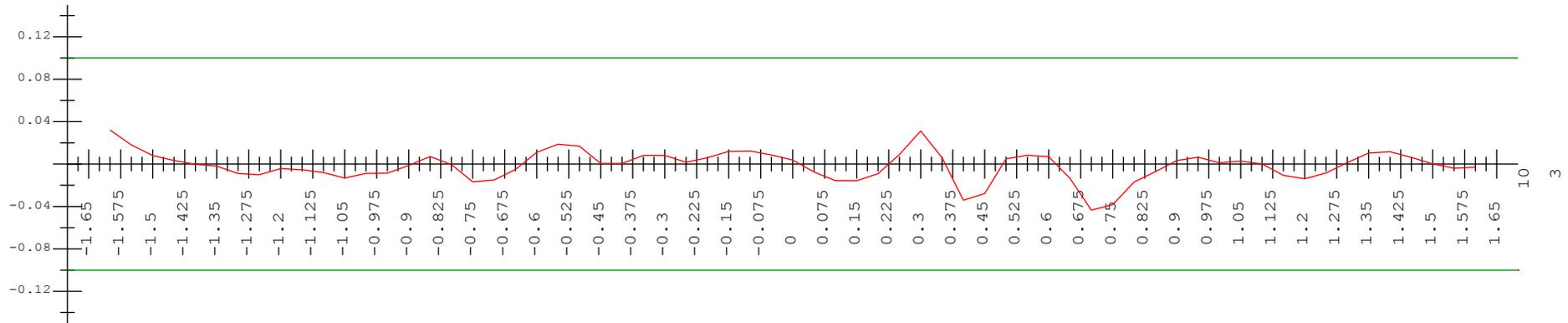


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

Red = Actual Chamber Centerline



Quadrupole

Value	Nominal	Actual	Deviation
X Center	0.000	0.033	0.033
Y Center	0.000	0.013	0.013
Z Center	1830.000	1829.934	-0.066
Roll	0.000	0.214	0.214
Pitch	0.000	0.323	0.323
Yaw	0.000	-0.467	-0.467

BPM

Value	Nominal	Actual	Deviation
US X	0.000	-0.007	-0.007
US Y	0.000	0.016	0.016
DS X	0.000	-0.041	-0.041
DS Y	0.000	0.024	0.024
Roll	0.000	0.692	0.692
BPM-QUAD	128.120	127.983	-0.137

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	0.258	0.258
US Y	0.000	-0.101	-0.101
DS X	0.000	-0.070	-0.070
DS Y	0.000	0.014	0.014

Dimensions in MM, Angles in Milliradians



**HGVPU -**

**Chamber Profile and Interspace Components**

**Installed Quad S/N: 4098**

**S/N : HXU\_005**  
**Date : 15-NOV-2019**  
**Data Set : 0001**  
**Run : RUN 2**  
**Cam Pos. : B**