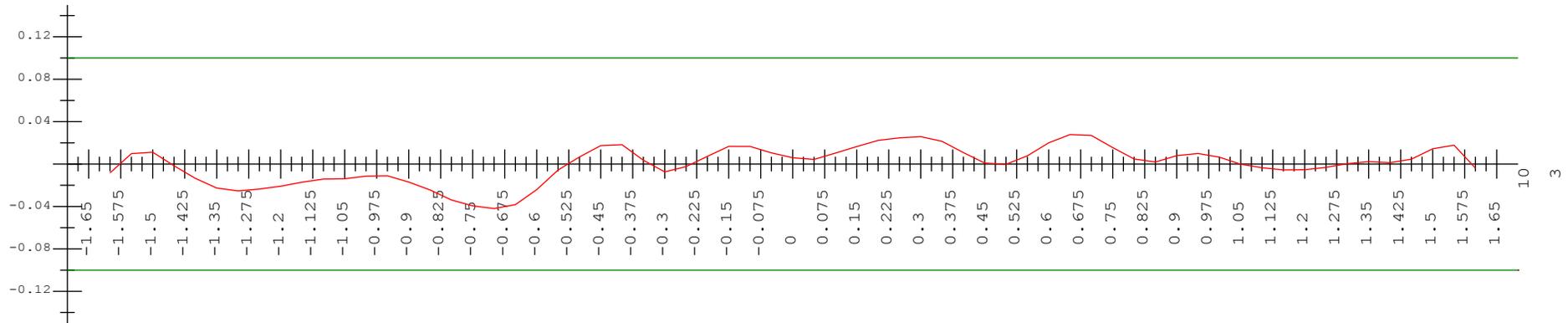


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

Red = Actual Chamber Centerline



Quadrupole

Value	Nominal	Actual	Deviation
X Center	0.000	-0.045	-0.045
Y Center	0.000	0.004	0.004
Z Center	1830.000	1829.972	-0.028
Roll	0.000	0.660	0.660
Pitch	0.000	0.077	0.077
Yaw	0.000	0.377	0.377

BPM

Value	Nominal	Actual	Deviation
US X	0.000	-0.001	-0.001
US Y	0.000	0.043	0.043
DS X	0.000	-0.005	-0.005
DS Y	0.000	-0.022	-0.022
Roll	0.000	0.793	0.793
BPM-QUAD	128.120	128.170	0.050

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	-0.321	-0.321
US Y	0.000	-0.115	-0.115
DS X	0.000	-0.136	-0.136
DS Y	0.000	-0.101	-0.101

Dimensions in MM, Angles in Milliradians



**HGVPU - Chamber Profile and Interspace Components**

**Installed Quad S/N: 0742**

**S/N : HXU\_028**  
**Date : 28-OCT-2019**  
**Data Set : 0001**  
**Run : RUN 1**  
**Cam Pos. : B**