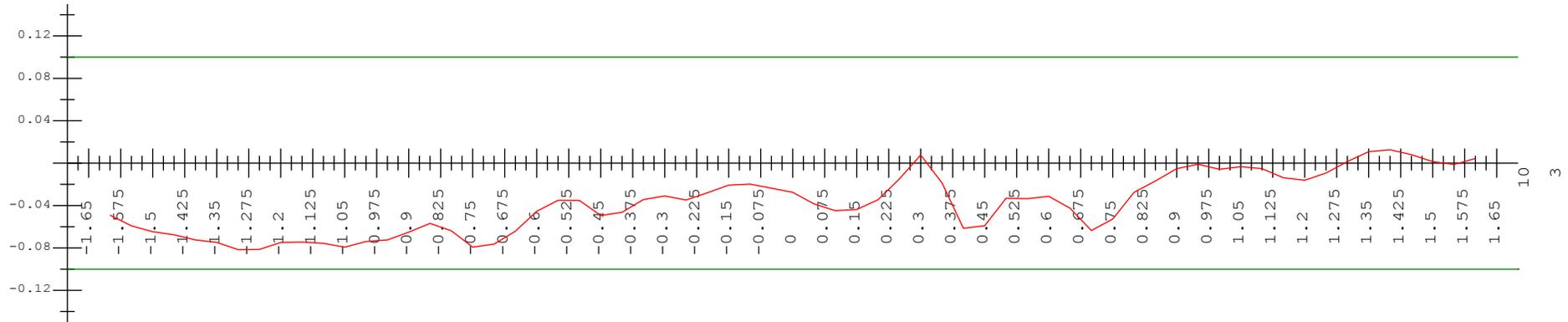


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

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	0.007	0.007
US Y	0.000	-0.008	-0.008
DS X	0.000	-0.019	-0.019
DS Y	0.000	-0.011	-0.011
Roll	0.000	0.432	0.432
BPM-QUAD	128.120	128.009	-0.111

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	0.234	0.234
US Y	0.000	-0.085	-0.085
DS X	0.000	-0.133	-0.133
DS Y	0.000	0.032	0.032

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 : 0002
Run : RUN 1
Cam Pos. : B