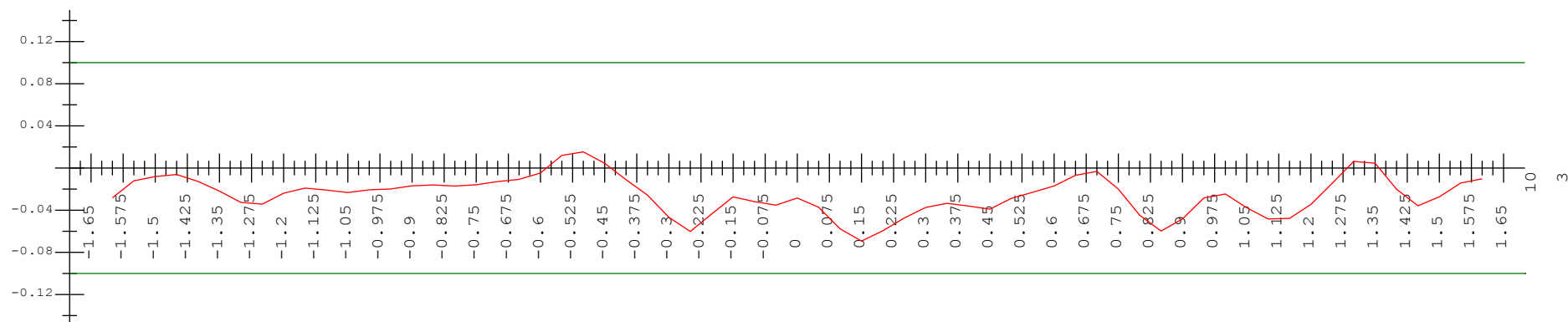


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

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	-0.025	-0.025
DS X	0.000	0.001	0.001
DS Y	0.000	0.019	0.019
Roll	0.000	0.309	0.309
BPM-QUAD	128.120	128.160	0.040

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	0.299	0.299
US Y	0.000	0.035	0.035
DS X	0.000	0.337	0.337
DS Y	0.000	0.030	0.030

Dimensions in MM, Angles in Milliradians



HGVPU -

Chamber Profile and Interspace Components

Installed Quad S/N: 0709

S/N : HXU_019
Date : 15-NOV-2019
Data Set : 0002
Run : RUN 1
Cam Pos. : B