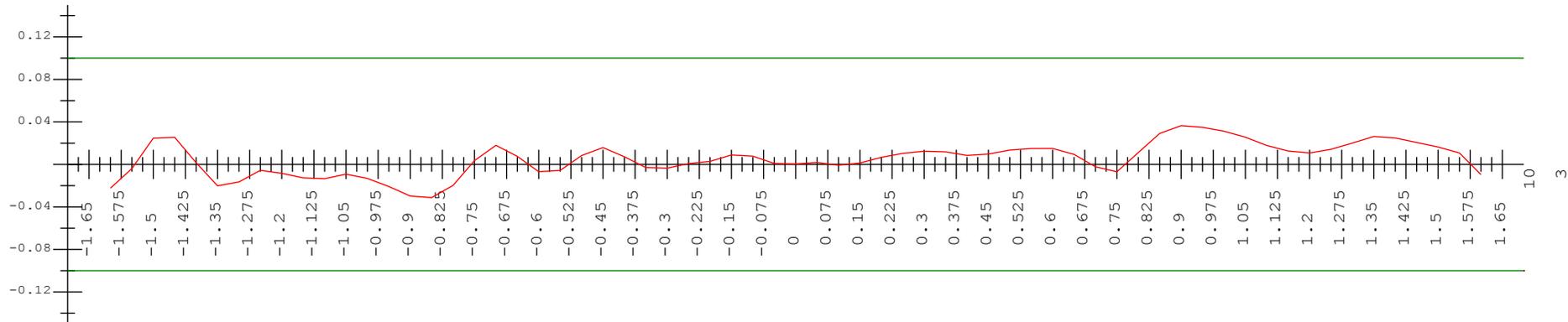


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

Red = Actual Chamber Centerline



Quadrupole

Value	Nominal	Actual	Deviation
X Center	0.000	0.027	0.027
Y Center	0.000	0.012	0.012
Z Center	1830.000	1829.562	-0.438
Roll	0.000	0.825	0.825
Pitch	0.000	-0.649	-0.649
Yaw	0.000	0.537	0.537

BPM

Value	Nominal	Actual	Deviation
US X	0.000	-0.004	-0.004
US Y	0.000	0.031	0.031
DS X	0.000	-0.013	-0.013
DS Y	0.000	-0.015	-0.015
Roll	0.000	0.166	0.166
BPM-QUAD	128.120	128.237	0.117

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	0.169	0.169
US Y	0.000	0.075	0.075
DS X	0.000	0.145	0.145
DS Y	0.000	-0.002	-0.002

Dimensions in MM, Angles in Milliradians



HGVPU - Chamber Profile and Interspace Components

Installed Quad S/N: 0739

S/N : HXU_009
Date : 08-NOV-2019
Data Set : 0001
Run : RUN 1
Cam Pos. : B