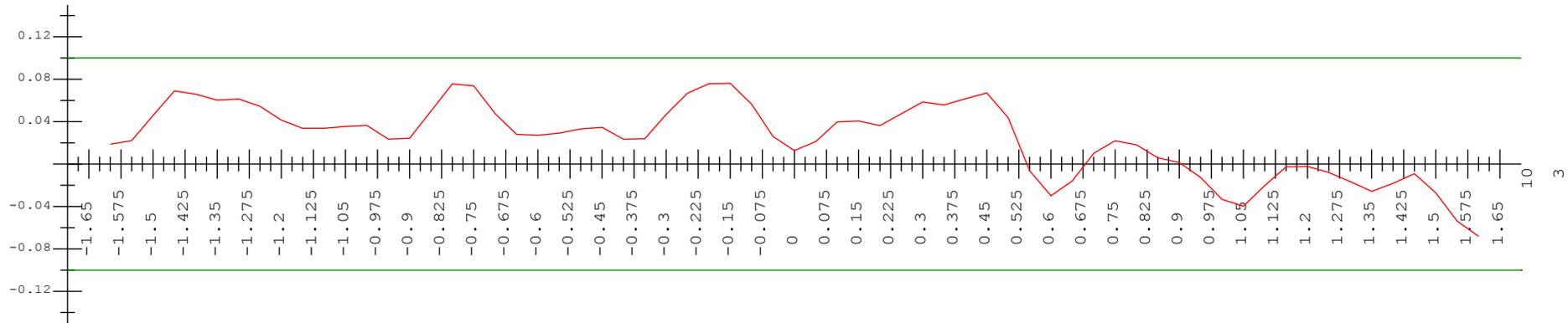


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

Red = Actual Chamber Centerline



Quadrupole

Value	Nominal	Actual	Deviation
X Center	0.000	0.049	0.049
Y Center	0.000	-0.052	-0.052
Z Center	1830.000	1830.297	0.297
Roll	0.000	0.870	0.870
Pitch	0.000	-0.202	-0.202
Yaw	0.000	-0.037	-0.037

BPM

Value	Nominal	Actual	Deviation
US X	0.000	-0.001	-0.001
US Y	0.000	0.044	0.044
DS X	0.000	-0.014	-0.014
DS Y	0.000	0.008	0.008
Roll	0.000	1.068	1.068
BPM-QUAD	128.120	128.146	0.026

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	0.241	0.241
US Y	0.000	-0.070	-0.070
DS X	0.000	0.107	0.107
DS Y	0.000	0.017	0.017

Dimensions in MM, Angles in Milliradians



HGVPU - Chamber Profile and Interspace Components

Installed Quad S/N: 0740

S/N : HXU_018
Date : 15-NOV-2019
Data Set : 0001
Run : RUN 2
Cam Pos. : B