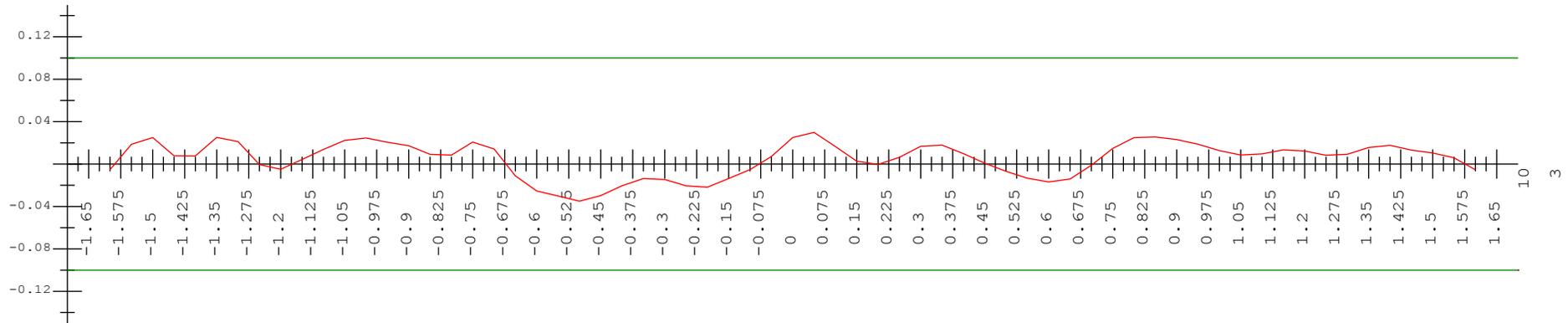


Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

Red = Actual Chamber Centerline



Quadrupole

Value	Nominal	Actual	Deviation
X Center	0.000	0.022	0.022
Y Center	0.000	0.003	0.003
Z Center	1830.000	1830.367	0.367
Roll	0.000	0.174	0.174
Pitch	0.000	-0.693	-0.693
Yaw	0.000	-0.398	-0.398

BPM

Value	Nominal	Actual	Deviation
US X	0.000	-0.039	-0.039
US Y	0.000	0.006	0.006
DS X	0.000	-0.023	-0.023
DS Y	0.000	0.024	0.024
Roll	0.000	0.683	0.683
BPM-QUAD	128.120	128.178	0.058

Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	-0.087	-0.087
US Y	0.000	-0.080	-0.080
DS X	0.000	-0.082	-0.082
DS Y	0.000	0.093	0.093

Dimensions in MM, Angles in Milliradians



HGVPU - Chamber Profile and Interspace Components

Installed Quad S/N: 0715

S/N : HXU_029
Date : 13-NOV-2019
Data Set : 0001
Run : RUN 1
Cam Pos. : B