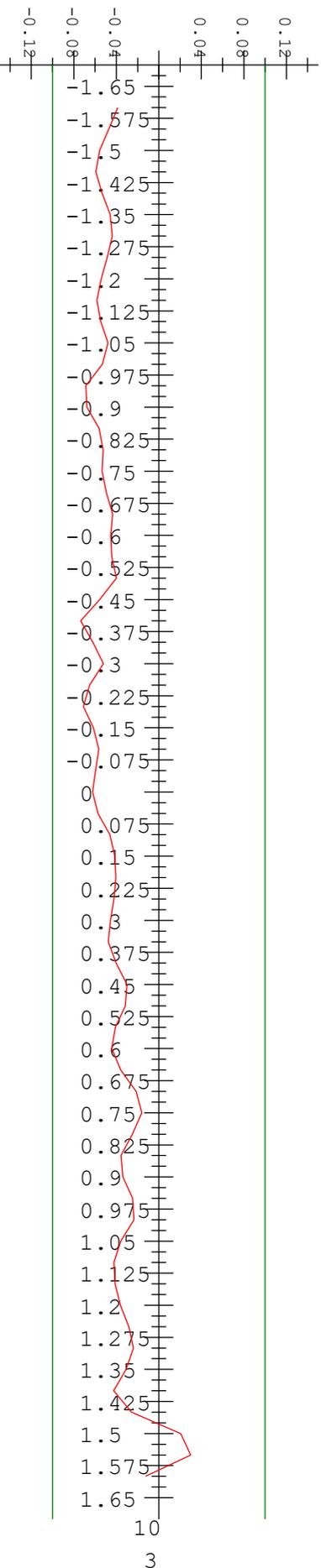


## Vacuum Chamber Centerline Profile to Magnetic Axis X Centerline, Green line = +/- .100 Tol.

Red = Actual Chamber Centerline



### Quadrupole

Value	Nominal	Actual	Deviation
X Center	0.000	0.027	0.027
Y Center	0.000	0.034	0.034
Z Center	1830.000	1829.894	-0.106
Roll	0.000	0.116	0.116
Pitch	0.000	-0.069	-0.069
Yaw	0.000	0.050	0.050

### BPM

Value	Nominal	Actual	Deviation
US X	0.000	-0.012	-0.012
US Y	0.000	-0.036	-0.036
DS X	0.000	-0.042	-0.042
DS Y	0.000	0.017	0.017
Roll	0.000	0.398	0.398
BPM-QUAD	128.120	127.924	-0.196

### Phase Shifter Chamber

Value	Nominal	Actual	Deviation
US X	0.000	0.104	0.104
US Y	0.000	-0.090	-0.090
DS X	0.000	-0.253	-0.253
DS Y	0.000	-0.037	-0.037

Dimensions in MM, Angles in Milliradians



## HGVPU - Chamber Profile and Interspace Components

Installed Quad S/N: 0711

S/N : HXU\_033  
 Date : 30-JUL-2020  
 Data Set : 0001  
 Run : RUN 1  
 Cam Pos. : B