11/14/19 Old Business:

-Product Requirements Document (First Draft) Need to add cost of labor and Material -DAQ System Daq Strain Gauges Applicatin kits Resistors

-Concept Review Date -Date11/21/2019

New Business:

Review conference call

Why Accelerometers-Government testing Vibration tables

Concerns with strain gauge-Strain Gauge to specialized Overcomplication

Math model-Universal Simple forces Plug and play with FEA tools

Mount-Ultra mount is a ridged body Scope is also a ridged body Acting forces on contact points with rail

DAQ-Observer model Set up for acceleration Less money spent out of budget

Conclusion from conversation (Client Wants) Universal mathmodelto take acceleration data to force on any rifle Mathmodel to find forces for an FEA analysis on any scope mount Redesigned Ultramount using above said model

Side Notes-

Nato 8694 rail type Jaw- beta series titanium metal injected

Pulse Impulse momentum theory Whole gum modeled as the pic rail. Int acceleration to get velocity F*deltaT=Mass*DeltaVelocity Mass*DeltaVelocity=DeltaMomentum F*deltaT=impulse

Therfore

Impulse=DeltaMoumentum F= (mass*deltaVelocity)/deltat Hecotor

Metals AL COBRA CDA METALS

Accelerometer

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