



Memorandum

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Subject: Changes in Performance of OMT6-020

We have discovered that, indeed OMT6-020 was dropped about 50 cm (20") as part of the horn-OMT-mixer-preamp assembly during installation of that assembly onto the A-Frame. It's possible that the components were loosely bolted when dropped, so it's likely that damage to the OMT alignment pin hole occurred then.

Nevertheless, comparing OMT measurements before and after the drop shows surprisingly little change, as shown in Figure 1 below. In that figure, today's measurements are in the left column and the measurements in May 2008 are in the right column.

In particular, the cross-pol results seem to fall at the limits of the measurement, so the cause of cross-pol differences in the cartridge measurements remains unknown.

Figure 1: OMT6-020 Measured in Feb 2009 (Left Column) and May 2008 (Right Column)









