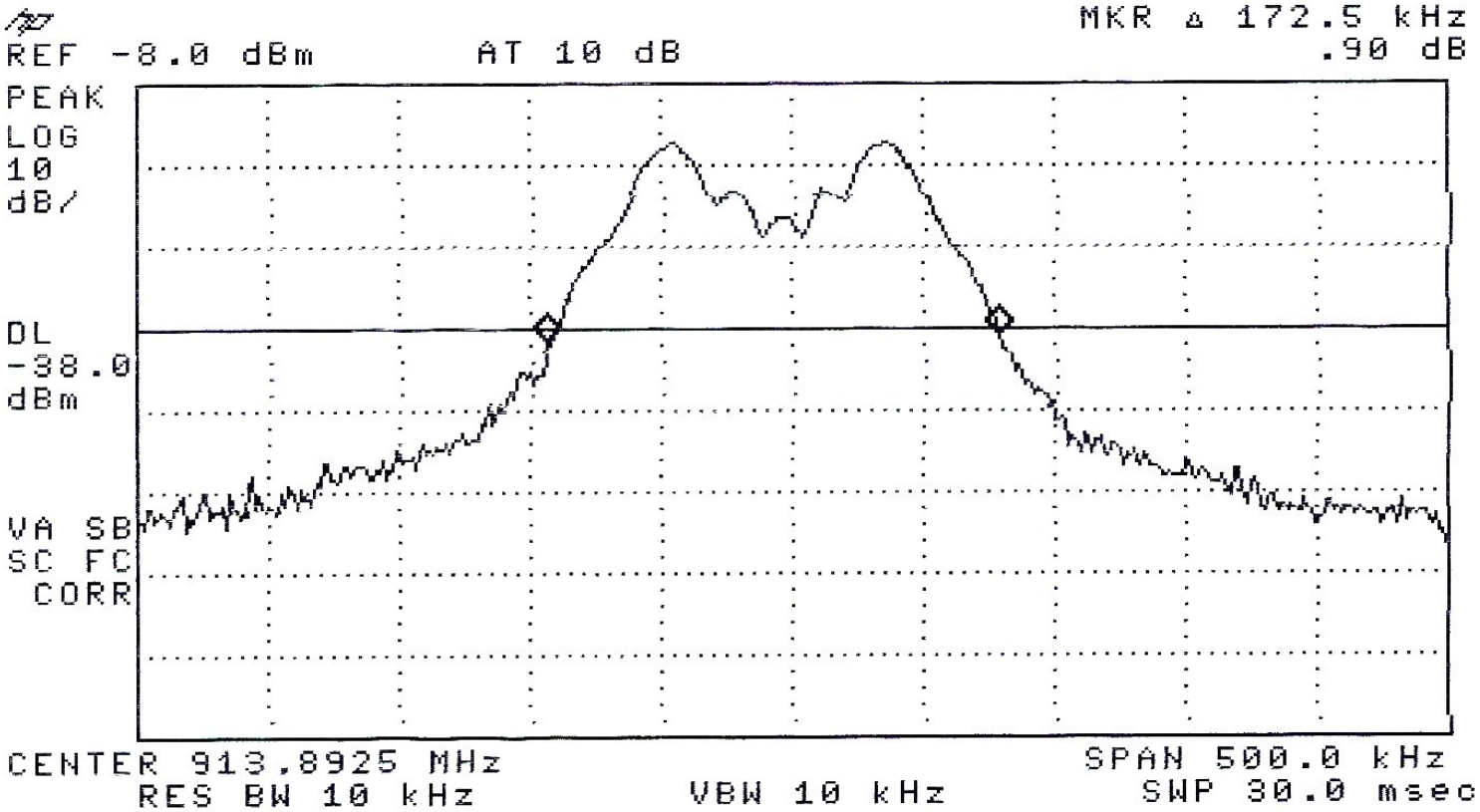OCCUPIED BANDWITH PLOT