

Station KGMG, Channel 292C2, Oracle, AZ.

**Proposed New FM Booster Station, Tucson, AZ.
Interference Protection (Question 12)**

The Proposed KGMG booster station will comply with the interference protection requirements of Rules Section 74.1204.

IF Spacing Requirements

With respect to Rules Section 74.1204(g), licensed and permitted facilities 53 or 54 channels removed from the proposed Channel 292 booster operation will be fully protected:

<u>CALL SIGN or FILE NUMBER</u>	<u>CHANNEL</u>	<u>LOCATION</u>	<u>SPACING</u>
KYOT-FM	238C	Phoenix, AZ.	151.6km

The maximum Rules Section 73.207 separation requirement for any station removed by 53 or 54 channels from another station is 48 kilometers. Thus, the proposed facility meets these spacing requirements.

First Adjacent-Channel Protection

With respect to Rules Section 74.1204(i), licensed and permitted facilities operating on channels first adjacent to the proposed Channel 292 booster operation will be protected from prohibited contour overlap by the booster F(50,10) contour that is 6dB below the contour level to be protected:

<u>CALL SIGN or FILE NUMBER</u>	<u>CHANNEL</u>	<u>LOCATION</u>	<u>F(50/50) Protected Contour</u>
KIKO-FM	291A	Claypool, AZ.	60 dBu
KFSZ	291C2	Munds Park, AZ.	60dBu
XHPPOFM	291B	Puerto Penasco, SO.	54dBu
KKMR	293A	Arizona City, AZ.	60dBu