

4 RECEIVING AND TRANSMITTING

Selecting the IF filter shape (Continued)

• SHARP

This selection is to emphasize the passband width of the filter. The filter has an almost ideal shape factor. Signals of the out of passband are extremely filtered out and it gives you better audio quality.

• SOFT

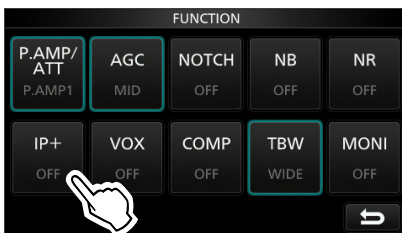
The filter shoulders are roundly formed as in analog filters. This decreases noise components in the high and low frequencies of the filter passband and increases the S/N of the target signal. These characteristics play an effective role in picking up very weak signals in the 50 MHz band, for example. The shape factor is kept, and the sharpness of the bandpass is excellent.

IP Plus function

The IP Plus function improves the Intermodulation Distortion (IMD) quality by exerting the direct sampling system performance.

This function optimizes the Analog/Digital Converter (ADC) against the distortion when you receive a strong input signal. It also improves the Third-order Intercept Point (IP3) while minimizing the reduction of the receive sensitivity.

1. Push **FUNCTION**.
 - The FUNCTION screen is displayed.
2. Touch **[IP+]**.
 - ① Touch **[IP+]** to turn the IP Plus function ON or OFF.
 - ① Select ON to prioritize the IP quality, and select OFF to prioritize the receive sensitivity.



3. To close the FUNCTION screen, push **EXIT**.
 - "IP+" is displayed when ON is selected.

