

MRx03D miniRepeater Tune-Up Procedure

The first step in setting up the MRx03D is to set the frequency of the single stage SAW filter. Two rotary switches are used to set the start frequency of the SAW filter and the step size of the frequency adjustment is 200 kHz.

The next step is to set the appropriate attenuation of the MRx03D to provide the desired output power. There are two methods of setting the attenuation: manually or automatically. In manual mode, the user would measure the input signals and set the attenuation of the MRx03D to provide the desired output power. ALC is always functioning and the maximum output power of the MRx03D will never be exceeded. In automatic mode, the MRx03D will adjust gain in the downlink path to maximize output power, but not exceed the maximum ALC limit. The uplink gain will be set to the downlink gain.