

FM repeater operation

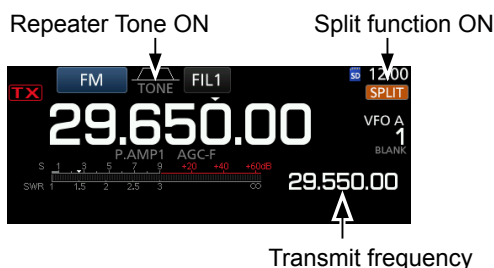
A repeater receives your radio's signals and simultaneously retransmits them on a different frequency to provide a greater communication range. When using a repeater, the transmit frequency shifts from the receive frequency by an offset amount. You can access a repeater using the split function.

1. Select the desired operating band. (p. 3-3)
(Example: 28 MHz band)
2. Rotate **(MAIN DIAL)** to set the operating frequency.



(Example: 29.650.00 MHz)

3. Select the FM mode.
4. Hold down **(SPLIT)** for 1 second.
 - Turns the Split function ON.
 - Turns the Tone function ON and "TONE" is displayed.
 - Displays the transmit frequency.



- ① You can set the frequency offset for the HF band.
(p. 12-5)

(MENU) » SET > Function > SPLIT > FM SPLIT Offset (HF)

- ① You can set the frequency offset for the 50 MHz band.
(p. 12-5)

(MENU) » SET > Function > SPLIT > FM SPLIT Offset (50M)

◇ Setting the repeater tone frequency

Some repeaters require a subaudible tone to be accessed. Subaudible tones are superimposed on your signal, and must be set in advance. Do the following steps to set the tone frequency.

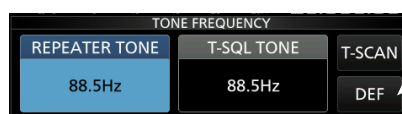
1. Select the FM mode.
2. Push **(FUNCTION)**.
 - Opens the FUNCTION screen.
3. Touch [TONE] for 1 second.



FUNCTION screen (FM mode)

- Opens the TONE FREQUENCY screen.

4. Rotate **(MAIN DIAL)** to select the desired subaudible tone frequency.



TONE FREQUENCY screen

Touch for 1 second to reset to the default.

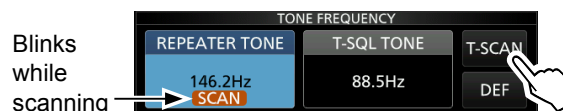
• Selectable tone frequencies

67.0	88.5	114.8	151.4	177.3	203.5	250.3
69.3	91.5	118.8	156.7	179.9	206.5	254.1
71.9	94.8	123.0	159.8	183.5	210.7	
74.4	97.4	127.3	162.2	186.2	218.1	
77.0	100.0	131.8	165.5	189.9	225.7	
79.7	103.5	136.5	167.9	192.8	229.1	
82.5	107.2	141.3	171.3	196.6	233.6	
85.4	110.9	146.2	173.8	199.5	241.8	

Checking the repeater tone frequency

You can check the tone frequency by receiving the repeater's input frequency and tone scanning. To receive the input signals, the transceiver detects the subaudible tone frequency using the tone scan function.

1. Touch [T-SCAN].
 - The scan starts, and then stops when the matching tone frequency as the repeater is received.



2. To close the TONE FREQUENCY screen, push **(EXIT)**.