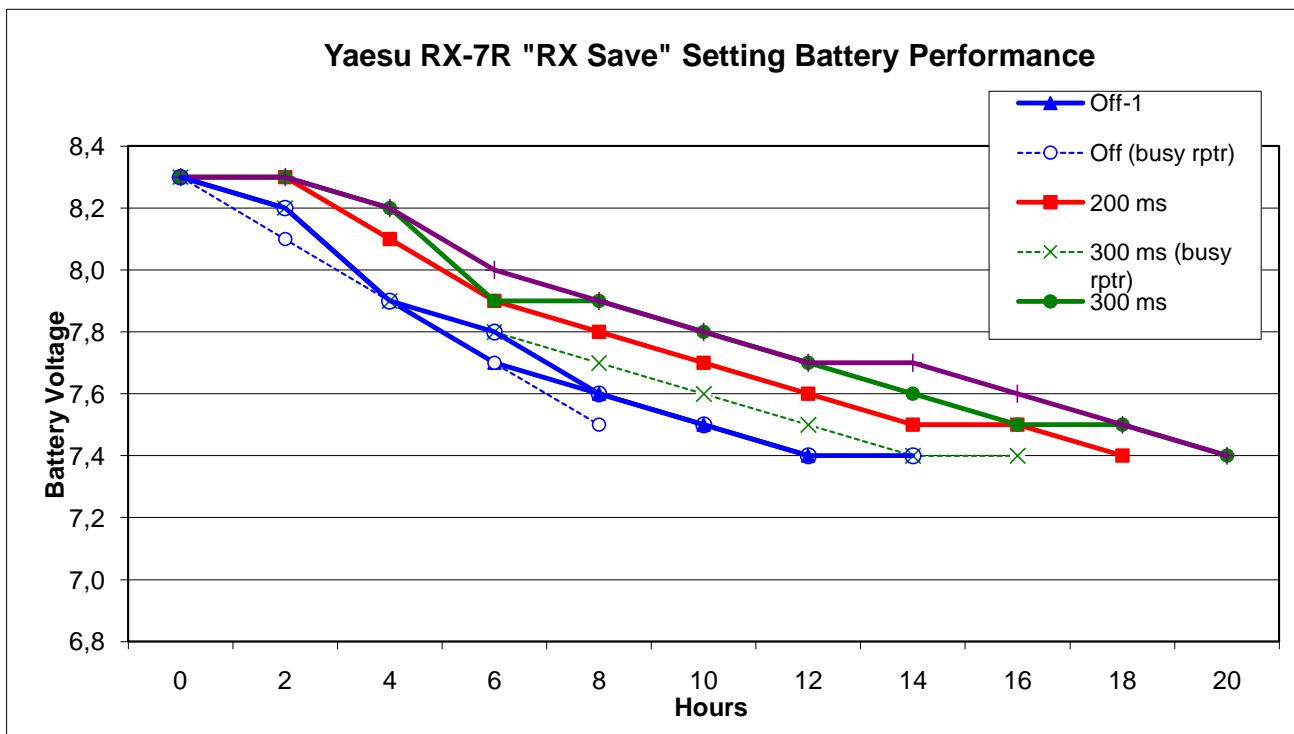


Yaesu RX-7R "RX Save" Setting Battery Performance

Time (hr)	Off-1	200 ms	300 ms (busy rptr)	300 ms	500 ms	Off (busy rptr)	Off-2
0	8,3	8,3	8,3	8,3	8,3	8,3	8,3
2	8,2	8,3	8,2	8,3	8,3	8,1	8,2
4	7,9	8,1	7,9	8,2	8,2	7,9	7,9
6	7,7	7,9	7,8	7,9	8,0	7,7	7,8
8	7,6	7,8	7,7	7,9	7,9	7,5	7,6
10	7,5	7,7	7,6	7,8	7,8		7,5
12	7,4	7,6	7,5	7,7	7,7		7,4
14		7,5	7,4	7,6	7,7		7,4
16		7,5	7,4	7,5	7,6		
18		7,4		7,5	7,5		
20				7,4	7,4		
Volts/day	-1,9	-1,3	-1,4	-1,2	-1,1	-2,4	-1,7
% Longer:	0%	40%	29%	56%	60%	-25%	



Test conditions: begin with a fully charged Li-ion battery tuned to a dead channel, fully squelched, with no transmissions or display lights. The radio spends 200 ms listening then some time turned off (according to the 'RX Save' setting).

Note: this test is the extreme case, where the radio is doing nothing but listen to a squelched channel. Any signals received, and especially any transmissions, will shorten the lifetime of the battery's charge and bring all the times closer to each other. One test was done listening to a busy repeater at room volume with the front panel LED on.

Voltages below 7.4v dropped off very rapidly, sometimes within 1 hour.

Tests by Bruce Wilson, KD7VEM, June 2005, unmodified VX-7R S/N 2N100XXX