

## CHIRP - New Model # 9077

<b>Status:</b>	Closed	<b>Priority:</b>	Normal
<b>Author:</b>	Dan Smith	<b>Category:</b>	
<b>Created:</b>	05/19/2021	<b>Assignee:</b>	Jim Unroe
<b>Updated:</b>	06/11/2021	<b>Due date:</b>	
<b>Chirp Version:</b>	daily		
<b>Equipment Loan Offered:</b>	No		
<b>Subject:</b>	Add Baofeng GT-5R		
<b>Description</b>			

### Associated revisions

#### Revision 3507:55057cd5d54e - 05/19/2021 08:50 pm - Dan Smith

Add Radioddity GT-5R

This is a special version of the UV-5R with a requirement around enforcing tx-inhibit outside of the legal limits.

#9077

#### Revision 3508:1ee9a4840389 - 05/20/2021 02:10 am - Dan Smith

Default to new-style detection for the GT-5R

Related to #9077

#### Revision 3514:4eefae328cf2 - 06/01/2021 02:50 am - Jim Unroe

[GT-5R] Fix TX-Inhibit Outside of Legal Limits

The current enforcement only allows TX on the following frequencies.  
144.000, 148.000, 420.000 and 450.000 MHz.

This patch corrects the logic to allow TX on frequencies within the  
144.000-148.000 MHz and 420.000-450.000 MHz ranges. Frequencies outside of  
these ranges are set to Duplex = "off" (TX disabled).

Related to #9077

### History

#### #1 - 05/19/2021 06:23 pm - Jim Unroe

Nice. I just got mine yesterday. Thanks.

Jim

**#2 - 05/20/2021 01:33 pm - Bernhard Hailer**

- Status changed from New to Feedback

I assume this is complete?

**#3 - 05/31/2021 07:54 pm - Jim Unroe**

- Assignee set to Jim Unroe

Dan,

This patch does not work as intended.

```
vhftx = [144000000, 148000000]
uhftx = [420000000, 450000000]
```

```
def set_memory(self, mem):
    # If memory is outside the TX limits, the radio will refuse
    # transmit. Radioddity asked for us to enforce this behavior
    # in chirp for consistency.
    if mem.freq not in self.vhftx and mem.freq not in self.uhftx:
        LOG.info('Memory frequency outside TX limits of radio;'
                'forcing duplex=off')
```

**vhftx** and **uhftx** are lists with only 2 elements each.

**mem.freq not in self.vhftx** is always **True** except when **144000000** or **148000000**

**mem.freq not in self.uhftx** is always **True** except when **420000000** or **450000000**

This needs to be a VHF frequency **>= 144000000 and < 148000000**

and a UHF frequency **>= 420000000 and < 450000000**

I will work up a patch and submit it.

Jim KC9HI

**#4 - 05/31/2021 07:56 pm - Jim Unroe**

- Status changed from Feedback to In Progress

- Target version set to chirp-daily

**#5 - 05/31/2021 07:57 pm - Jim Unroe**

- Status changed from In Progress to Resolved

- % Done changed from 0 to 100

Patch submitted.

Jim KC9HI

**#6 - 06/11/2021 07:20 pm - Jim Unroe**

*- Status changed from Resolved to Closed*

Patch accepted. Support will be in the next CHIRP daily build.

Jim KC9HI