

Best Icom 7300 Transmit Bandwidth TBW Settings

Icom 7300 之最佳發射頻 TBW 的設定

(譯者:BV2KI2023/04/28)

BY K0PIR · PUBLISHED OCTOBER 25, 2017 · UPDATED JANUARY 16, 2021

The Icom 7300 transmit bandwidth, TBW, has customizable settings. Sometimes it's called the transmit filter width, not to be mistaken with the receive filter width. Have you changed your TBW to the best values? If they haven't been tweaked, see how in this article and included video. I don't have audio samples, sorry.

Icom 7300 傳輸頻寬 TBW 具有可自定義的設定。有時它被稱為發射濾波器帶寬，不要與接收濾波器帶寬混淆。您是否將 TBW 更改為最佳值？如果尚未對其進行調整，請參閱本文和包含的視頻。我沒有音訊樣本，抱歉。

The 7300 isn't the only Icom radio with this feature, my Icom 7000 also has adjustable transmit filter widths. It's common in modern ham radio transceivers.

7300 並不是唯一具有此功能的 Icom 收發機，我的 Icom 7000 也具有可調節的發射濾波器帶寬功能。這在現代業餘無線電收發機中很常見。

I had an excellent question posed to me in a comment and it got me thinking about TBW and the customizable values. The comment: "I read that some say "for DX, use a narrow bandwidth" whereas another says "Narrow setting does not work well for DX". Problem is, I can't figure how to "set:" the bandwidth they're talking about."



我在評論中提出了一個很好的問題，它讓我想到了 TBW 和可自定義的值。評論說：「我讀到有人說有關 DX 者，採用窄頻寬」，而另一個說「窄設定不適用於 DX」。問題是，我不知道他們所講的帶寬如何去做「設置」。

Icom 7300 Transmit Bandwidth TBW – WIDE MID NAR

Icom 7300 發射頻寬 TBW – 寬、中、窄

Do not confuse transmit filter width with receive filter width. Another friend of mine, Andy, WB0OAF, reminded me that these are confused at times. The receive filter width (not pictured) on the Icom 7300 is set using the FIL “soft button” on the LCD screen. Tap the FIL with your finger and you will see it change from FIL to FIL2 and then FIL3. These filter widths are adjustable also, but that’s another story.

不要將發射濾波器帶寬與接收濾波器帶寬混淆。我的另一位朋友 Andy，WB0OAF，提醒我，這些有時會感到困惑。Icom 7300 上的接收濾波器帶寬（未附圖）使用 LCD 螢幕上的 FIL 「軟按鈕」進行設定。用手指點擊 FIL，您將會看到它從 FIL1 變為 FIL2，然後變為 FIL3。這些過濾器帶寬也是可調節的，但那是另一回事了。

The transmit filter widths are set using the FUNCTION, “hard button”, on the front of the Icom 7300. Push the FUNCTION button and a menu pops up (pictured above). You’ll see TBW. Tap TBW with your finger on the LCD and it will change from WIDE to MID and then NAR.

發射濾波器帶寬使用 Icom 7300 正面的「硬按鈕」功能進行設定。按下功能按鈕，彈出一個功能表（如上圖所示）（譯者註：操作模式要擺在”USB”上，才會有作者講的畫面出現）。你會看到 TBW 圖示。用手指在液晶屏 LCD 上點擊 TBW，它將以循環式的、從寬變為中、然後變為窄。

Look at the Icom 7300 Full Manual on page 4-14. The full manual can be downloaded from [here](#).

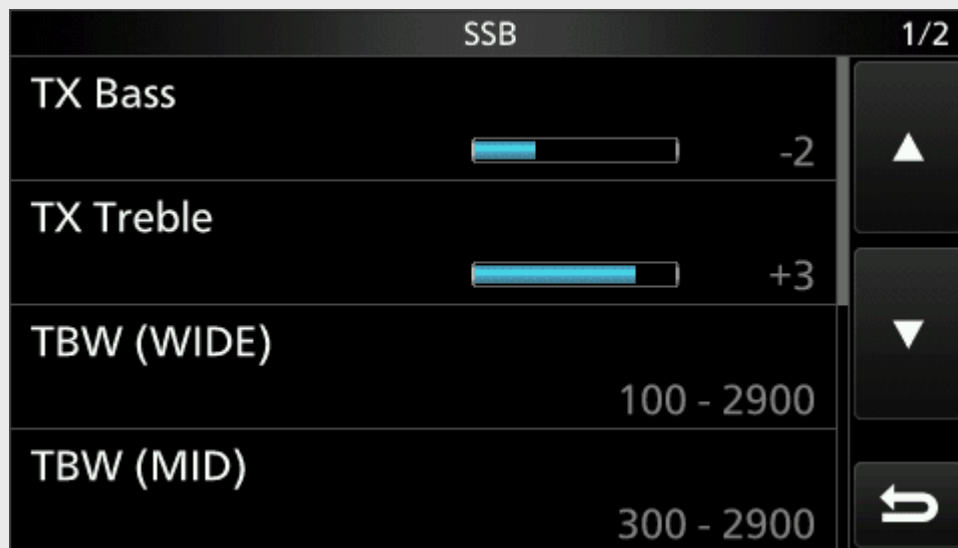
可以看看 Icom 7300 完整手冊第 4-14 頁上對照一下。完整的手冊可以從此處下載。

Icom 7300 Transmit Bandwidth TBW Customizable Values

Icom 7300 發射頻寬 TBW 可自訂值

Look at the Icom 7300 Full Manual on page 12-3. It is possible to set the transmission pass bandwidth of wide, mid, or narrow, by changing the lower and higher cutoff frequencies.

查看 Icom 7300 完整手冊的第 12-3 頁上。可以透過改變較低和較高的截止頻率來設定成寬、中或窄的發射濾通頻寬



Push the MENU button on the front of the Icom 7300. Tap SET with your finger on the LCD. Scroll to find the “Tone Control”. Tap Tone Control and then tap TX with your finger. Tap SSB. Use the scroll up and down arrows on the right of the LCD screen to scroll up to page 1/2 (pictured above). In addition to TBW settings you can also adjust the TX Bass and TX Treble on this screen.

按下 Icom 7300 正面的功能表按鈕。用手指在液晶屏 LCD 上輕點「SET」。在液晶屏 LCD 裡、上、下滾動以找到「音調控制 Tone Control」。點擊「音調控制 Tone Control」，然後用手指點擊「TX」。點擊 SSB。使用液晶屏 LCD 右側的向上和向下滾動箭頭、向上滾動到第 1/2 頁（如上圖所示）。除了 TBW 設置，您還可以在此螢幕上調整 TX 低音和 TX 高音。



Best Icom 7300 Transmit Bandwidth TBW Settings

最佳 Icom 7300 傳輸頻寬 TBW 設置

What are the best settings? That's a matter of opinion. Is narrow best for DX? I think so, because it takes out some of the low frequency. My narrow TBW is adjusted to reduce the high frequency too, thus compressing it more. But, it is subjective and each user can set their own values. I've asked around and here are some values being used by others:

最佳設置是什麼？這是一個見仁見智的問題。窄(NAR)最適合 DX 嗎？我想是的，因為它消除了一些低頻。我的窄 TBW 也被調整以降低高頻，從而進一步壓縮它。但是，這是主觀的，每個使用者都可以設置自己的值。我已經遍詢過周遭同好，這裡有一些其他人正在使用的值：

The Default 出廠預設

SSB TBW (WIDE): 100 – 2900 Hz 寬

SSB TBW (MID): 300 – 2700 Hz 中

SSB TBW (NAR): 500 – 2500 Hz 窄

WIDE and MID High Frequency Altered (My settings)寬及中高頻已更改（我的設置）

SSB TBW (WIDE): 100 – 2900 Hz 寬

SSB TBW (MID): 300 – 2900 Hz 中

SSB TBW (NAR): 500 – 2500 Hz 窄

All High Frequency Altered 所有高頻改變

SSB TBW (WIDE): 100 – 2900 Hz 寬

SSB TBW (MID): 300 – 2900 Hz 中

SSB TBW (NAR): 500 – 2900 Hz 窄

Monitor Transmit Audio 監聽發射音訊

How do we listen to the transmit audio? Great question! Using the Monitor on the Icom 7300 we can hear what it sounds like. Hook up your headset to listen.

我們如何收聽發射音訊？好問題！使用 Icom 7300 上的監聽器，我們可以聽到它的聲音。戴上耳機就可進行收聽。

Using the Monitor function isn't really what your transmit audio sounds like on the air though, but it's good enough most of the time.

使用監聽功能並不如您想像中的發射音訊、在廣播中聽起來的樣子，但、大多數時候它已經足夠好了。

If you really want to hear what your audio sounds like, have another Ham record and send the audio file to you. That's the best way that I've found.

如果您真的想聽聽音訊聽起來像什麼，就請另一位火腿同好，幫你錄音起來，並將音訊檔發送給您。這是我找到的最好的方法。

Included in this video: Demonstration of receive filter, transmit filter and customizing the transmit bandwidth. Also, suggestions for listening to your real transmit audio.

下列視頻中，它包括了：展示接收濾波器、發射濾波器和自定義發射頻寬方法。此外、收聽真實發音訊的一些建議。



[按這裡去看看作者在 YouTube 的大作](#)

Tags: audiobandicom 7300midnartbwtbw frequencytransmittransmit bandwidthwidewidth



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I'm an Amateur Radio enthusiast. I love the hobby and experimenting with radios, antenna and software. On my YouTube channel I upload videos on the Icom 7300 and Icom 7610 along with Ham radio software programs. I hope to inspire people to try new things in Amateur Radio.

我是一個業餘無線電愛好者。我喜歡這個愛好，喜歡嘗試收音機、天線和軟體。在我的 YouTube 頻道上，我上傳了 Icom 7300 和 Icom 7610 的視頻以及業餘無線電軟體程式。我希望激勵人們在業餘無線電中嘗試新事物。