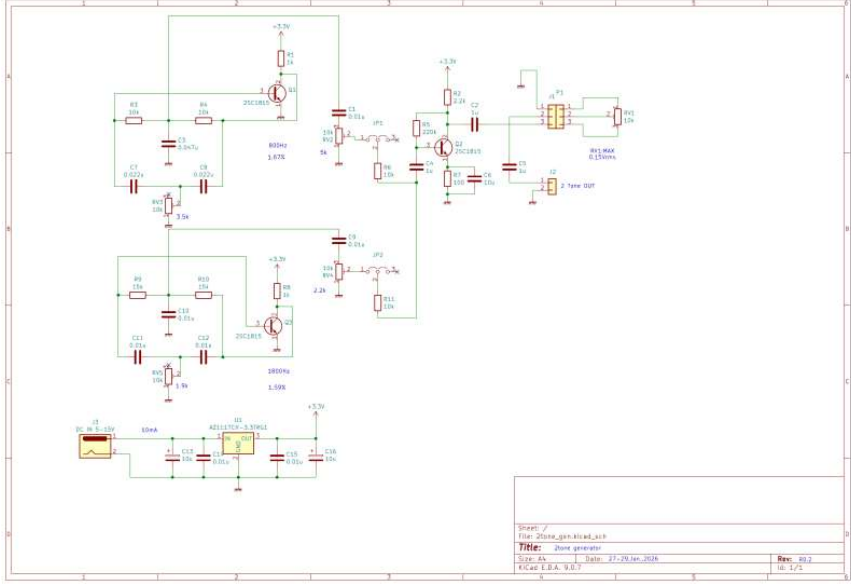
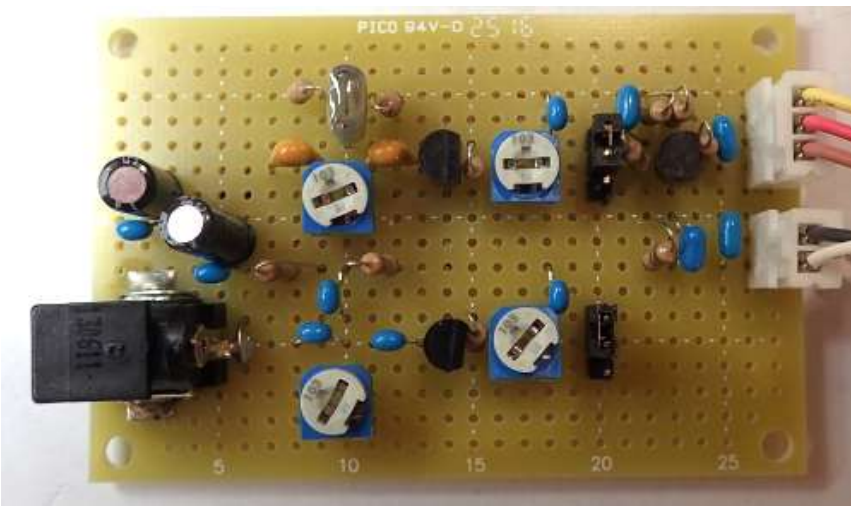
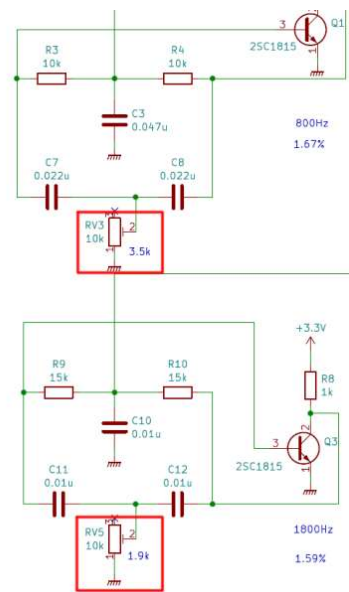


2TONE による評価

2026/1/31

SSB 変調確認用に 2TONE 発生用ジグを作りました。

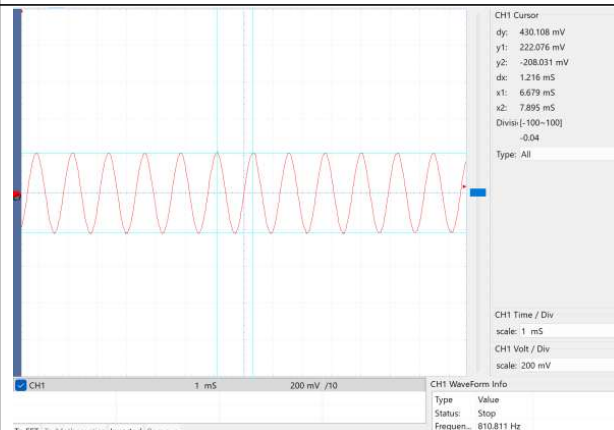
<p>回路図</p>	 <p>The circuit diagram shows a 2-tone generator. It starts with a 5V regulator (U1) powered by a 5V regulator (U1) and a 100mA current source (U2). The circuit includes two 2N2222 transistors (Q1, Q2) configured as push-pull amplifiers. The output is connected to a 2-tone generator (U3) which produces two tones. The circuit is powered by a 5V regulator (U1) and a 100mA current source (U2). The output is connected to a 2-tone generator (U3) which produces two tones. The circuit is powered by a 5V regulator (U1) and a 100mA current source (U2). The output is connected to a 2-tone generator (U3) which produces two tones.</p> <table border="1" data-bbox="925 952 1265 1025"><tr><td>Sheet:</td><td>1</td></tr><tr><td>File:</td><td>2tone_gen.kicad_pcb</td></tr><tr><td>Title:</td><td>2tone generator</td></tr><tr><td>Size:</td><td>A4</td></tr><tr><td>Scale:</td><td>1:1</td></tr><tr><td>Rev:</td><td>00.1</td></tr><tr><td>Date:</td><td>27.09.2025</td></tr><tr><td>Author:</td><td>Y. S. S. S.</td></tr></table>	Sheet:	1	File:	2tone_gen.kicad_pcb	Title:	2tone generator	Size:	A4	Scale:	1:1	Rev:	00.1	Date:	27.09.2025	Author:	Y. S. S. S.
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<p>基板</p>	 <p>The photograph shows the physical implementation of the 2-tone generator circuit on a yellow PCB. The components are labeled with their values: 5V, 100mA, 2N2222, 2-tone generator, 5V, 100mA, 2N2222, 2-tone generator, 5V, 100mA, 2N2222, 2-tone generator. The board is populated with various electronic components including resistors, capacitors, and integrated circuits.</p>																



RV3,RV5 を発振するように調整します。

抵抗が高いと発振停止。下げてくると発振開始します。下げ過ぎると、周波数が低めとなり歪率増加していきます。発振開始し、安定した領域に合わせます。

低側

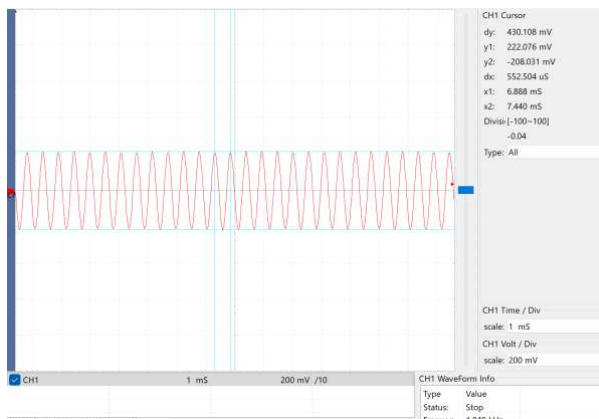


出力：812Hz, 0.15Vrms



歪率：1.78%

高側

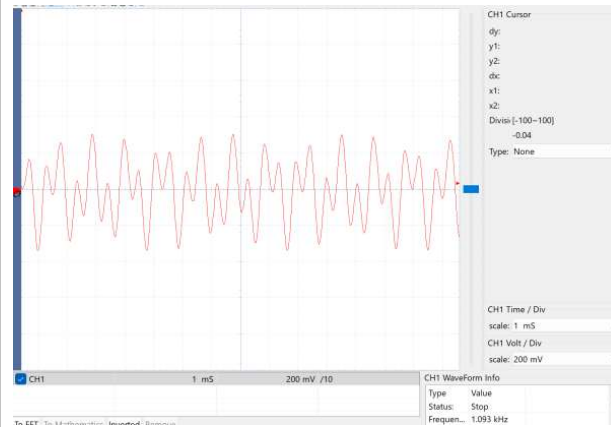


出力：1850Hz, 0.15Vrms



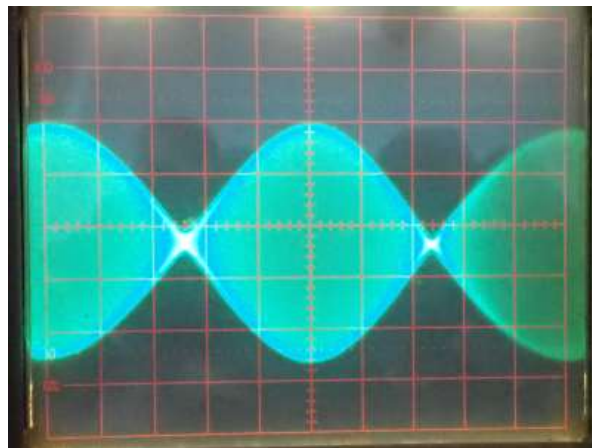
歪率：1.6%

2TONE



これを送信に注入してみます。

参考
IC-705



LARCSet

