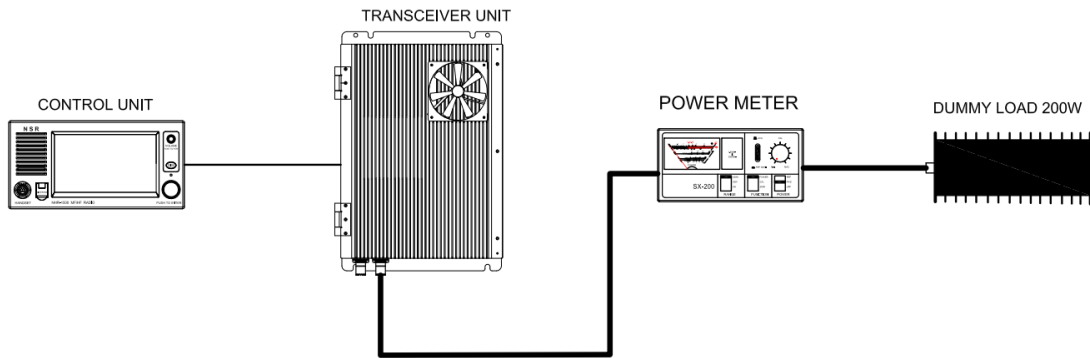


How to Calibrate RF Power of NHR-1500

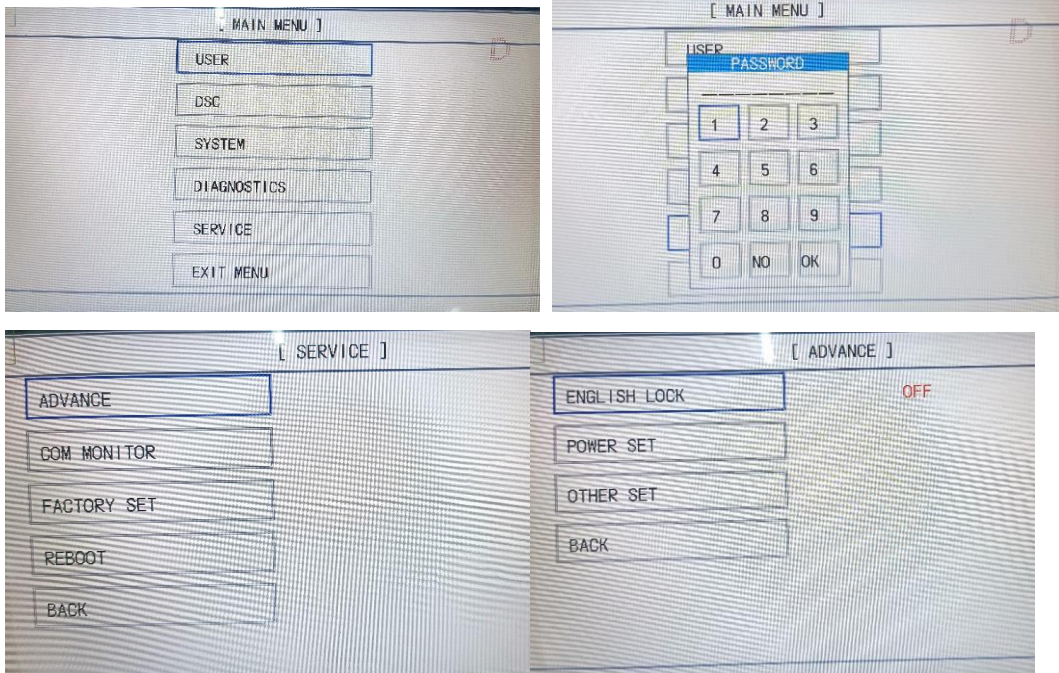
2021-04-19

If NHR206 filer board or NHR201 main board is replace by new one, the RF power should be calibrated.

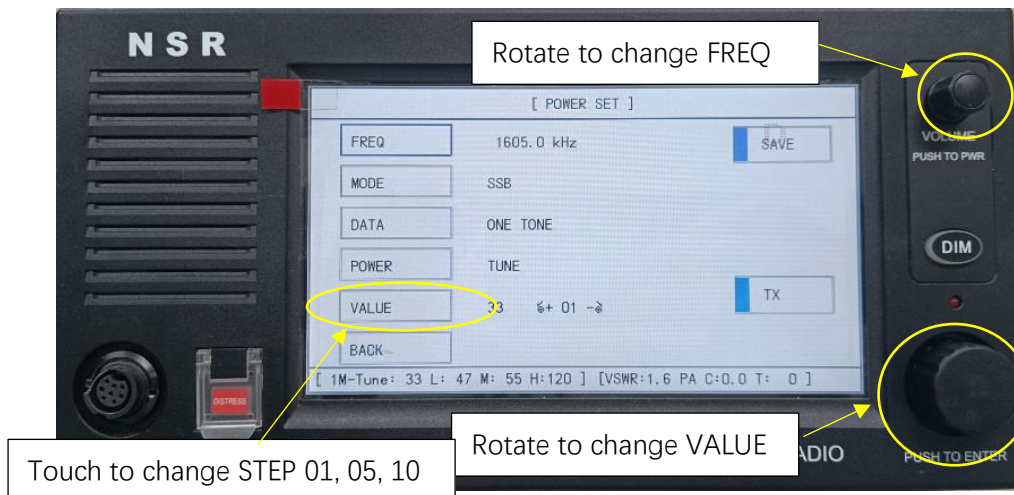
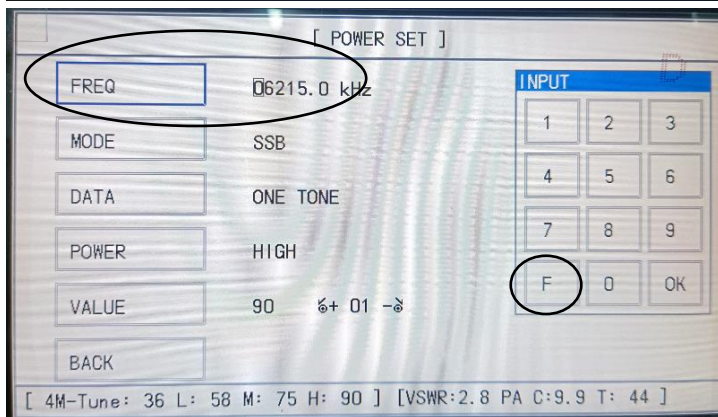
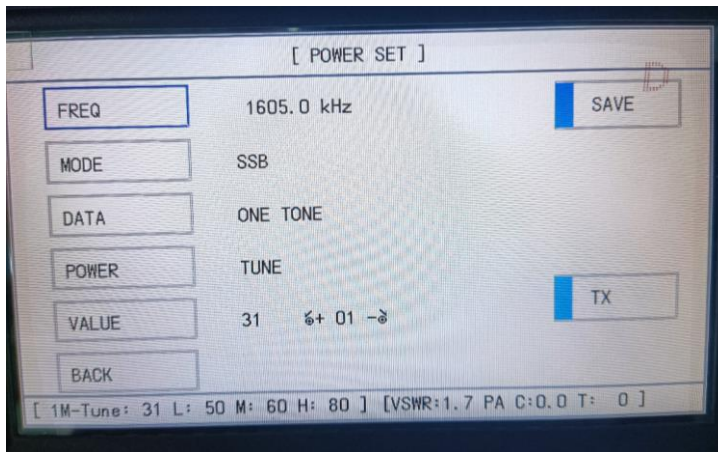
1. Connection



2. Operation



Enter "POWER SET" menu from MAIN MENU-ADVANCE-POWER SET. The password is 66733733.



Touch "FREQ", then touch "F" to change the SSB distress frequency 2182kHz, 4125kHz, 6215kHz, 8291kHz, 12290kHz, 16420kHz, the DSC distress frequency 2187.5kHz, 4207.5kHz, 6312kHz, 8414.5kHz, 12577kHz, 16804.5kHz, the NBDP distress frequency(at DSC mode) 2174.5kHz, 4177.5kHz, 6288kHz, 8376.5kHz, 12520kHz, 16695kHz.

Or type to enter any frequency.(Very slow)

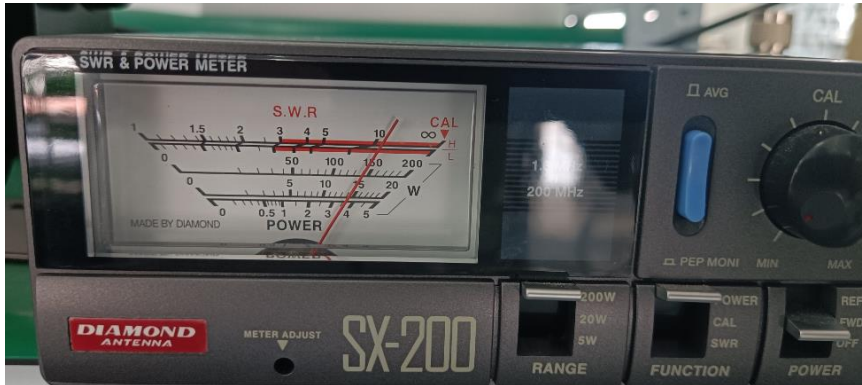
To fast the calibration speed, for normal frequency, use small knob. The step is 1000kHz.

Touch "TX", then check at power meter and ammeter.

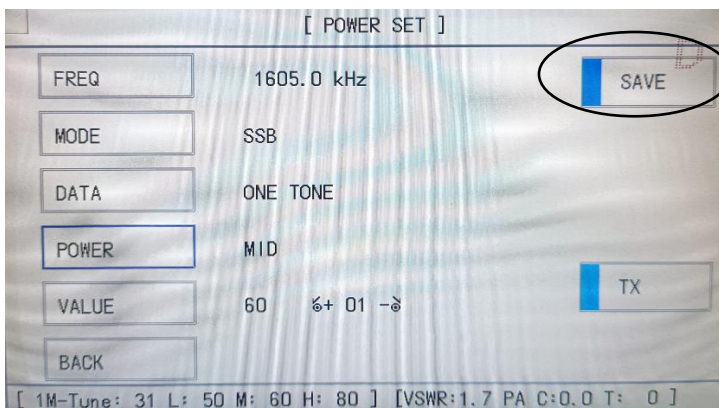
Rotate the big knob to change the power level.

Too big current is dangerous to the PA.

For POWER HIGH level, the current is around 10A to 18A, if current is more than 18A, please decrease the calibration value. Even if the power output does not reach the target.



After calibration, don't forget **SAVE** the value. The calibration value is saved at the NHR201 PCB inside transceiver.



3. Calibration Table

MODE: SSB DATA: ONE TONE

	TUNE	LOW	MID	HIGH
2182kHz	20W	50W	120W	150W
4125kHz				
6215kHz				
8291kHz				
12290kHz				
16420kHz				
1605kHz				
2605kHz				
3605kHz				
4605kHz				
5605kHz				
6605kHz				
7605kHz				
8605kHz				
9605kHz				
10605kHz				
11605kHz				
12605kHz				
13605kHz				
14605kHz				
15605kHz				
16605kHz				
17605kHz				
18605kHz				
19605kHz				
20605kHz				
21605kHz				
22605kHz	120W			
24605kHz	120W			
25605kHz	120W			
26605kHz	120W			
27500kHz	120W			

MODE: DSC DATA: ONLY B

	TUNE	LOW	MID	HIGH
2187.5kHz	20W	50W	120W	150W
4207.5kHz				
6312kHz				
8414.5kHz				
12577kHz				
16804.5kHz				
2174.5kHz				
4177.5kHz				
6288kHz				
8376.5kHz				
12520kHz				
16695kHz				
1605kHz				
2605kHz				
3605kHz				
4605kHz				
5605kHz				
6605kHz				
7605kHz				
8605kHz				
9605kHz				
10605kHz				
11605kHz				
12605kHz				
13605kHz				
14605kHz				
15605kHz				
16605kHz				
17605kHz				
18605kHz				
19605kHz				
20605kHz				
21605kHz				
22605kHz	120W			
24605kHz	120W			
25605kHz	120W			
26605kHz	120W			
27500kHz	120W			