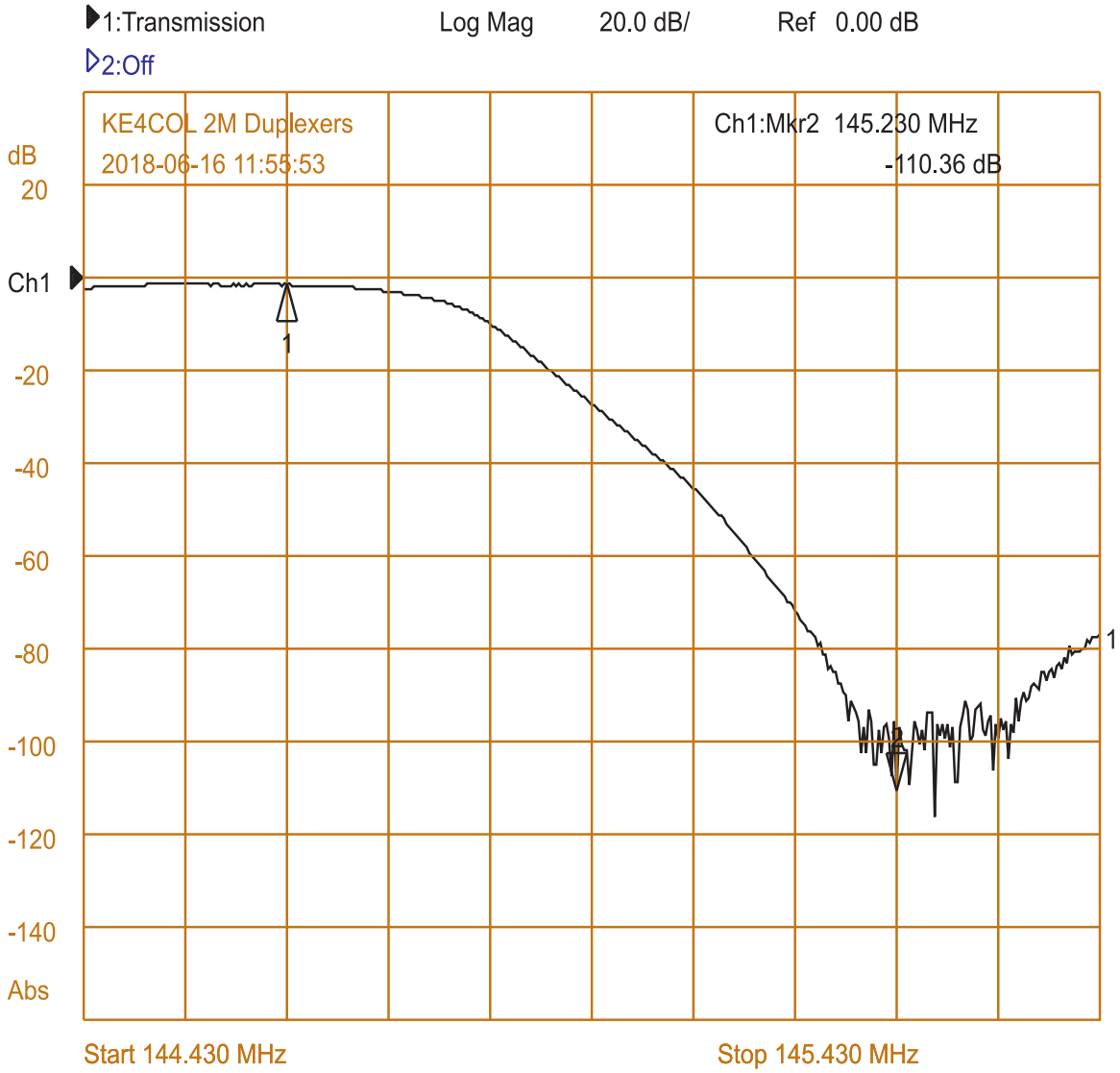
KE4COL / DB4062 VHF Duplexer

Low Pass Branch Isolation & Ins. Loss



1:Mkr (MHz) dB	2:Mkr (MHz) dB
1: 144.63 -1.56	
2> 145.23 -110.36	

Note: Factory specifications are 2.2 dB or better Insertion Loss and 100 dB or better Isolation

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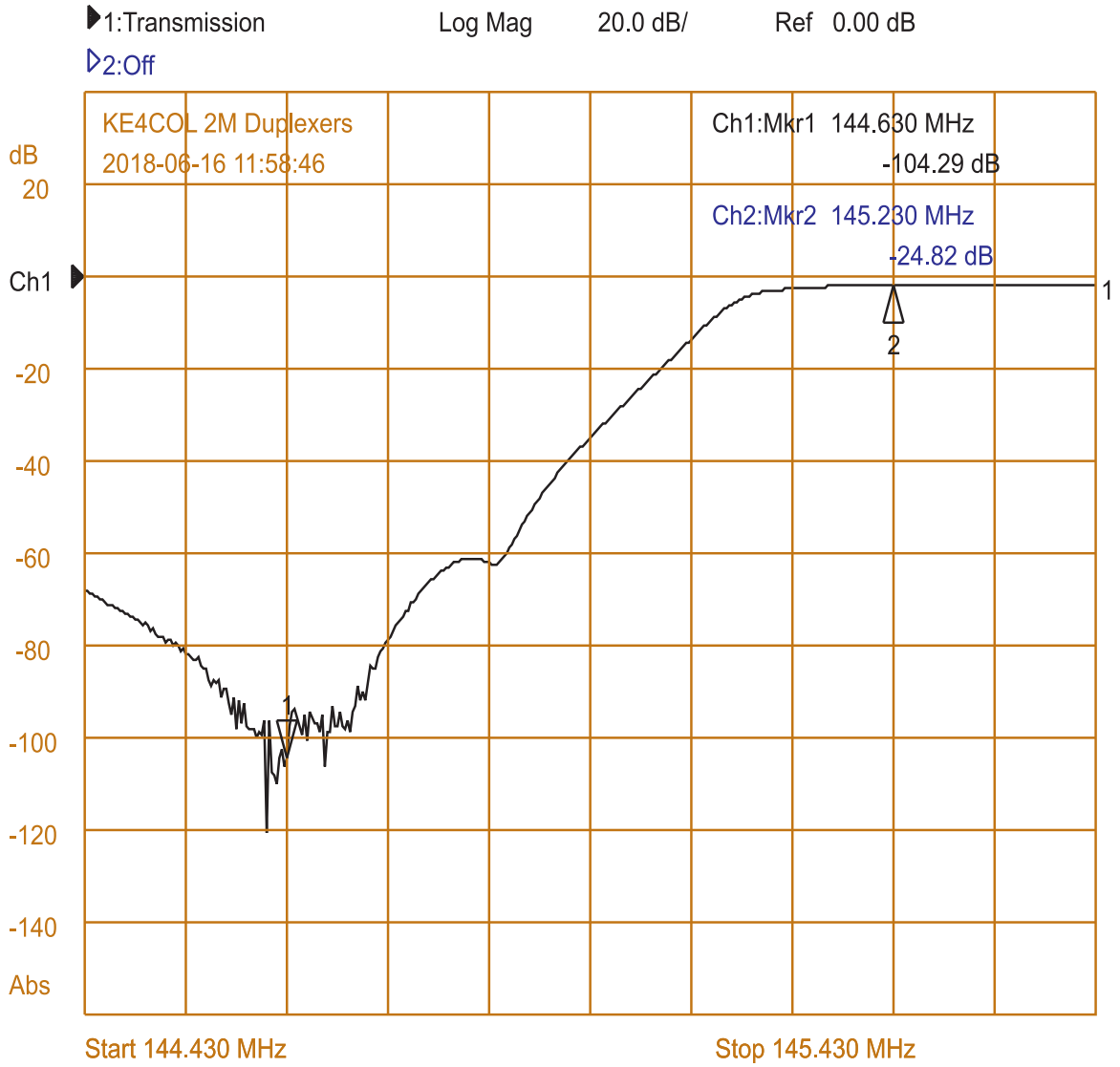
High Pass Branch Isolation & Ins. Loss



1:Mkr (MHz) dB	2:Mkr (MHz) dB
1> 144.63 -104.29	
2: 145.23 -1.62	

Note: Factory specifications are 2.2 dB or better Insertion Loss and 100 dB or better Isolation

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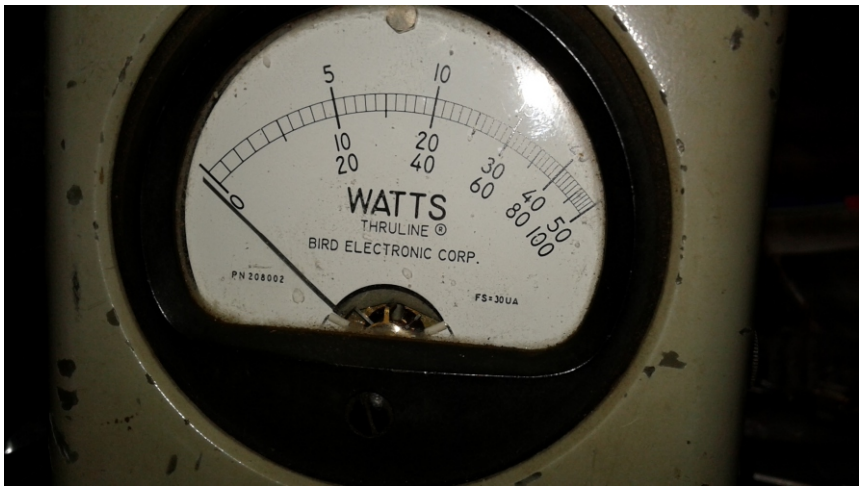
KE4COL / DB4062 VHF Duplexer
Isolation Testing Under R.F. Power

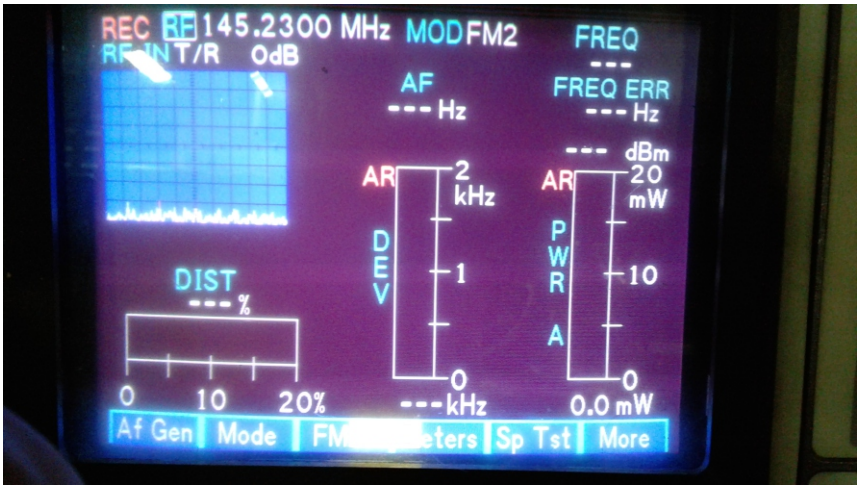
38 Watts of RF power being applied to HP branch (145.230 MHz Tx Branch.)

Antenna port connected to dummy load.

LP branch connected to IFR-1600 Comm. Analyzer.



No detectable R.F. power being reflected from the branch back to the transmit radio. SWR is excellent.



With 38 Watts of RF being applied to HP (Tx) branch, there is less than 0.0 mW of RF making it through the LP (Rx) branch.

Isolation is excellent, as expected based on VNA tuning and test results.

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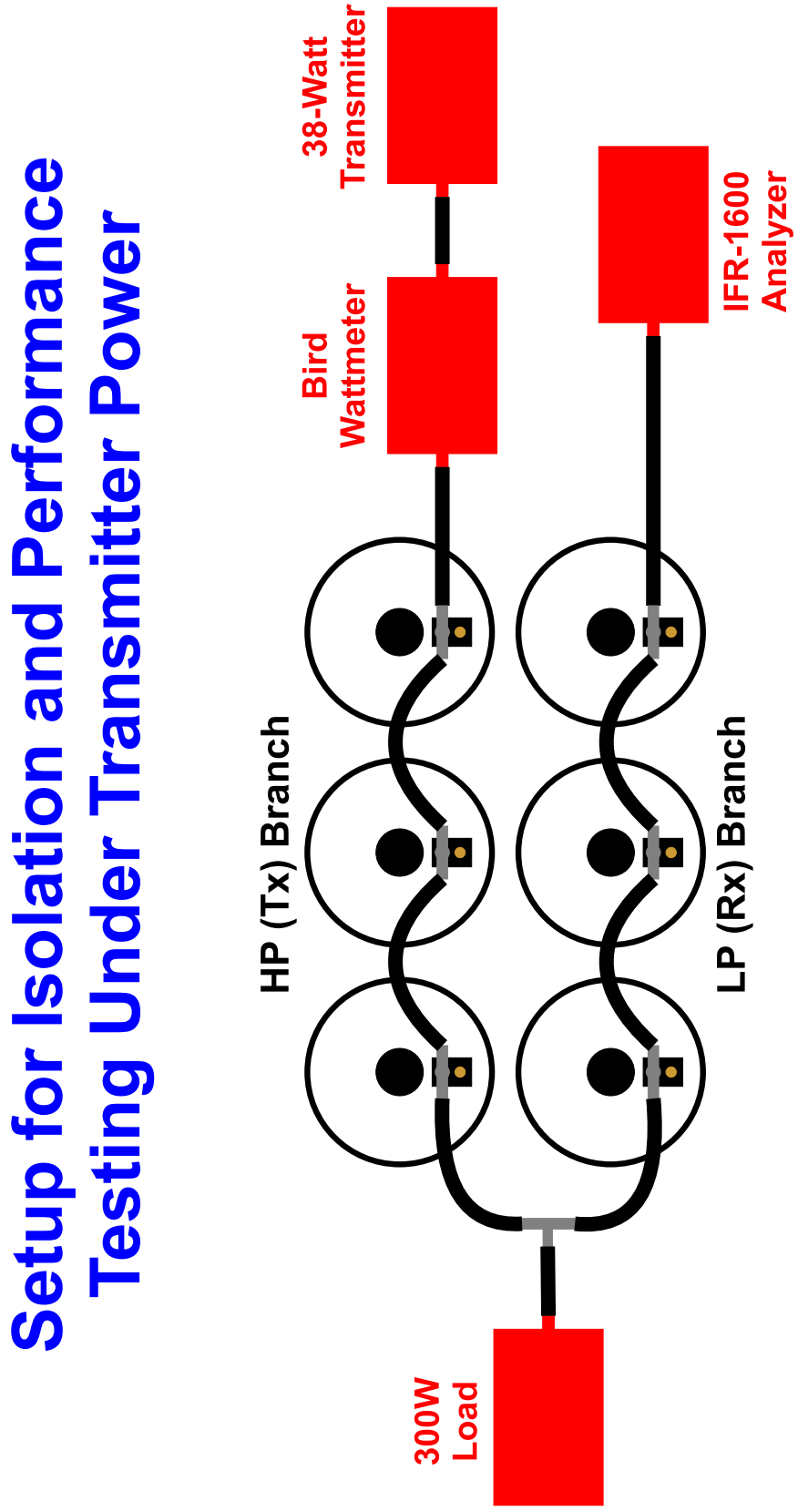
Isolation Testing Under R.F. Power



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