

## APPENDIX 4 – PROGRAM FOR EXACT SWR FROM $R + jX$ , METHOD 2

Listed below is a calculator program for determining the SWR from  $R + jX$ , using Method 2 of Appendix 3. This listing is for a programmable Hewlett-Packard calculator or other brand using reverse Polish notation.

<i>Line</i>	<i>Key</i>	<i>Instructions:</i>
1	H Label A	1. Store line impedance $Z_c$ in Register $R_0$
2	RCL 0	2. Key in R value of impedance $R + jX$
3	÷	3. Press ENTER
4	$g \rightarrow x^2$	4. Key in X value of impedance $R + jX$
5	1	5. RUN
6	+	
7	$x \leftrightarrow y$	
8	RCL 0	
9	÷	
10	STO 1	
11	÷	
12	RCL 1	
13	+	
14	ENTER	
15	$g \rightarrow x^2$	
16	4	
17	–	
18	$f \rightarrow \sqrt{\quad}$	
19	+	
20	2	
21	÷	
22	H Return	