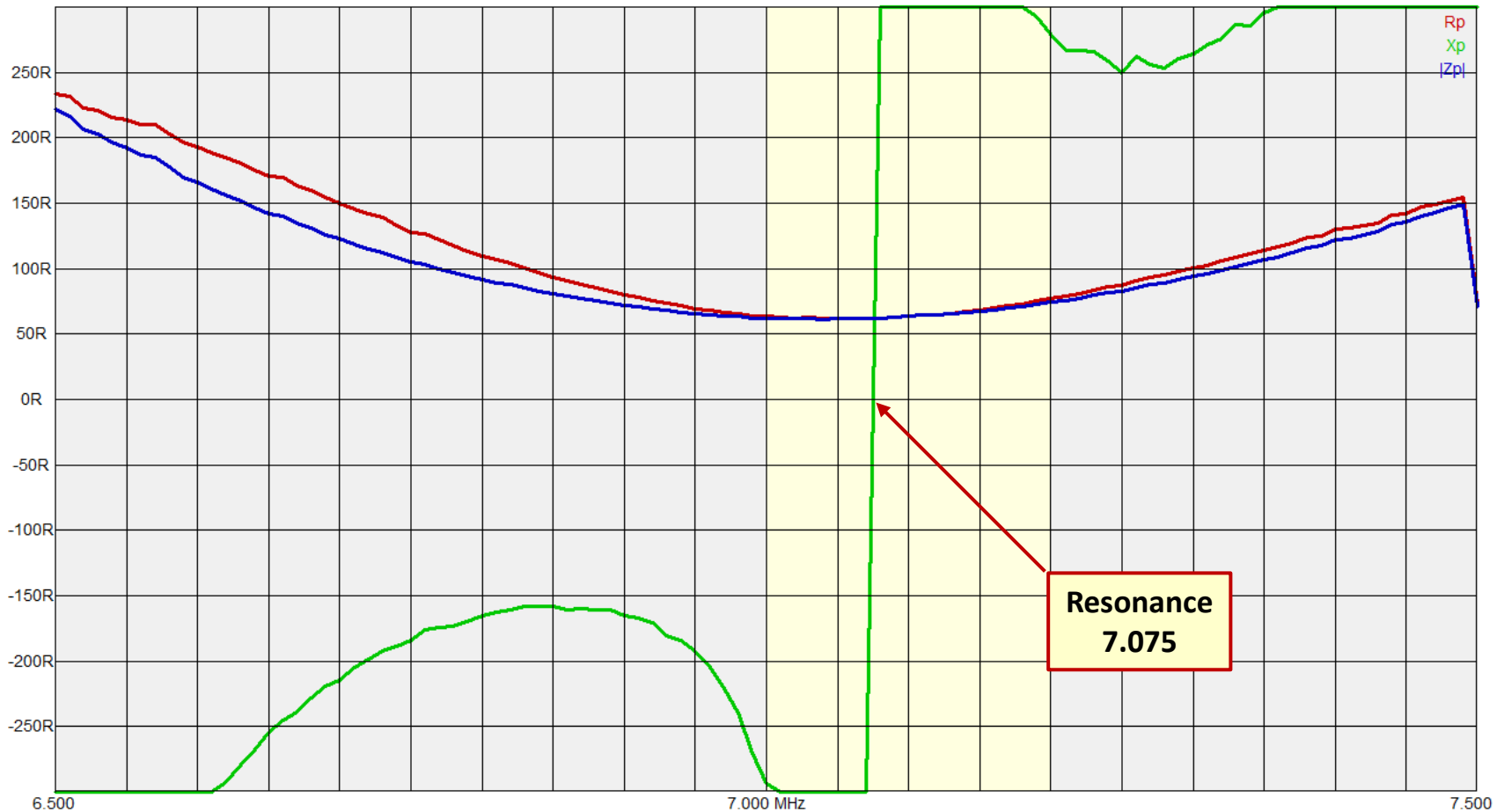


40m Inverted-V / Not Grounded / No Choke

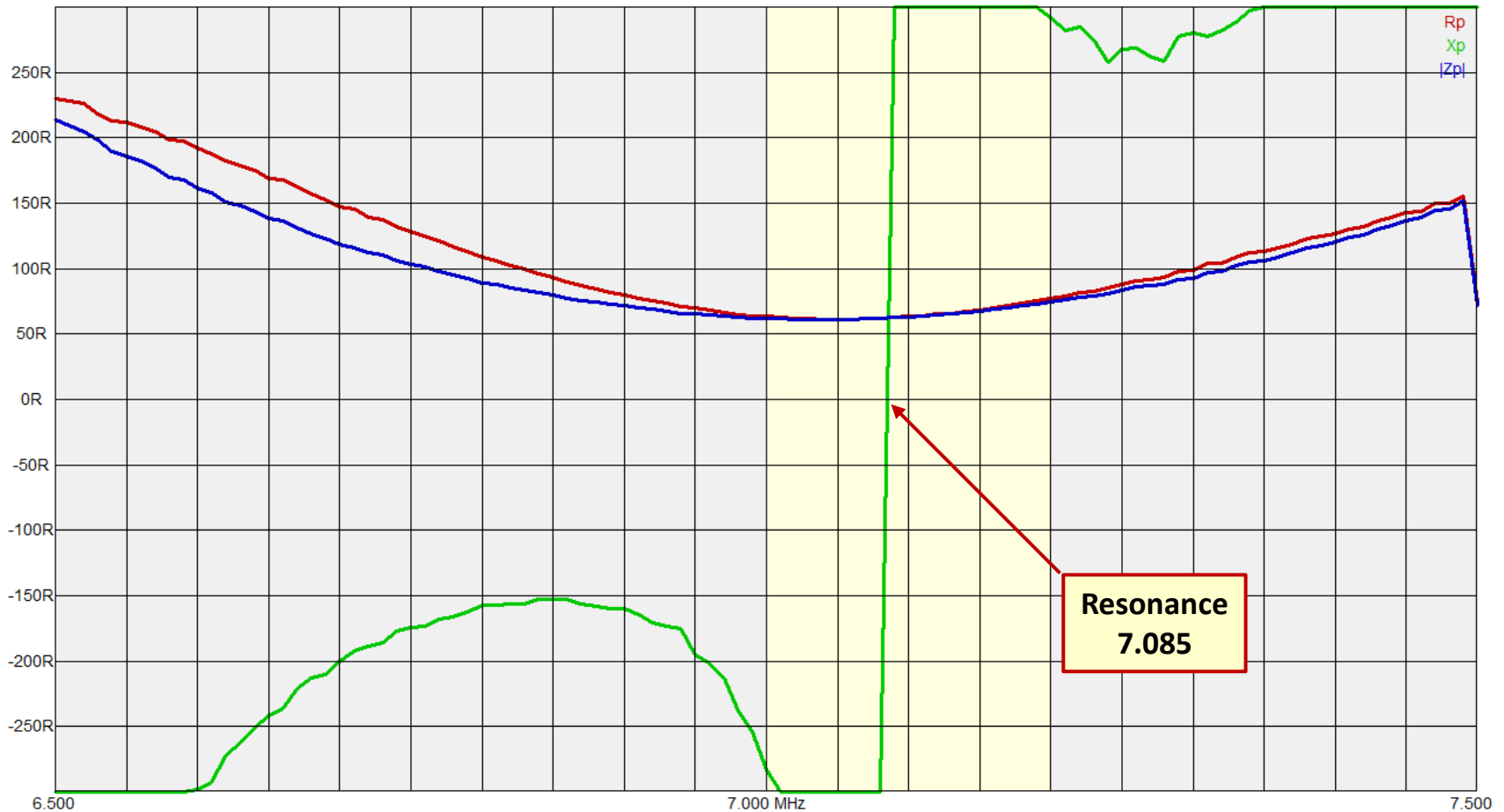


Fq = 7.070 MHz
 SWR = 1.24
 Return loss = 19.34 dB
 Z = 62.0 - j1.4 Ohm
 |Z| = 62.0 Ohm
 Phase = -1.3 °
 C = 16179 pF
 Zpar = 62.0 Ohm
 Cpar = 8 pF
 Cable: Length(1/4) = 7.00 m, Length(1/2) = 13.99 m

Fq = 7.080 MHz
 SWR = 1.25
 Return loss = 19.17 dB
 Z = 62.3 + j0.6 Ohm
 |Z| = 62.4 Ohm
 Phase = 0.6 °
 L = 13 nH
 Zpar = 62.4 Ohm
 Lpar = 143348 nH
 Cable: Length(1/4) = 6.99 m, Length(1/2) = 13.97 m

$Z = R || +jX$
 ($\frac{1}{2}\lambda$ Coax)

40m Inverted-V / Grounded / No Choke

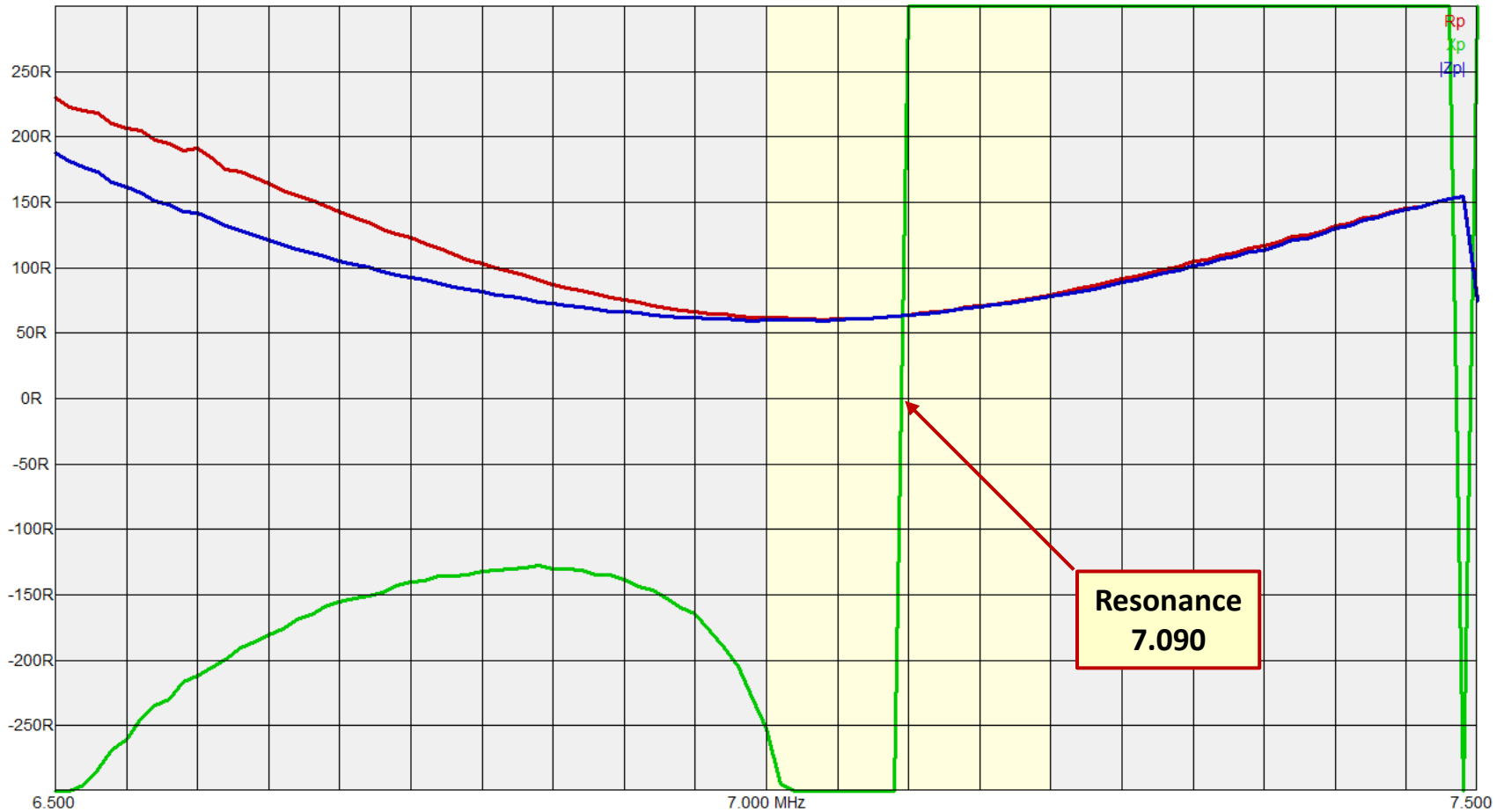


Fq = 7.080 MHz
 SWR = 1.24
 Return loss = 19.39 dB
 Z = 62.0 - j0.1 Ohm
 |Z| = 62.0 Ohm
 Phase = -0.1 °
 Zpar = 62.0 Ohm
 Cable: Length(1/4) = 6.99 m, Length(1/2) = 13.97 m

Fq = 7.090 MHz
 SWR = 1.25
 Return loss = 19.03 dB
 Z = 62.5 + j1.7 Ohm
 |Z| = 62.5 Ohm
 Phase = 1.6 °
 L = 38 nH
 Zpar = 62.5 Ohm
 Lpar = 50669 nH
 Cable: Length(1/4) = 6.98 m, Length(1/2) = 13.95 m

$Z = R || +jX$
 ($\frac{1}{2}\lambda$ Coax)

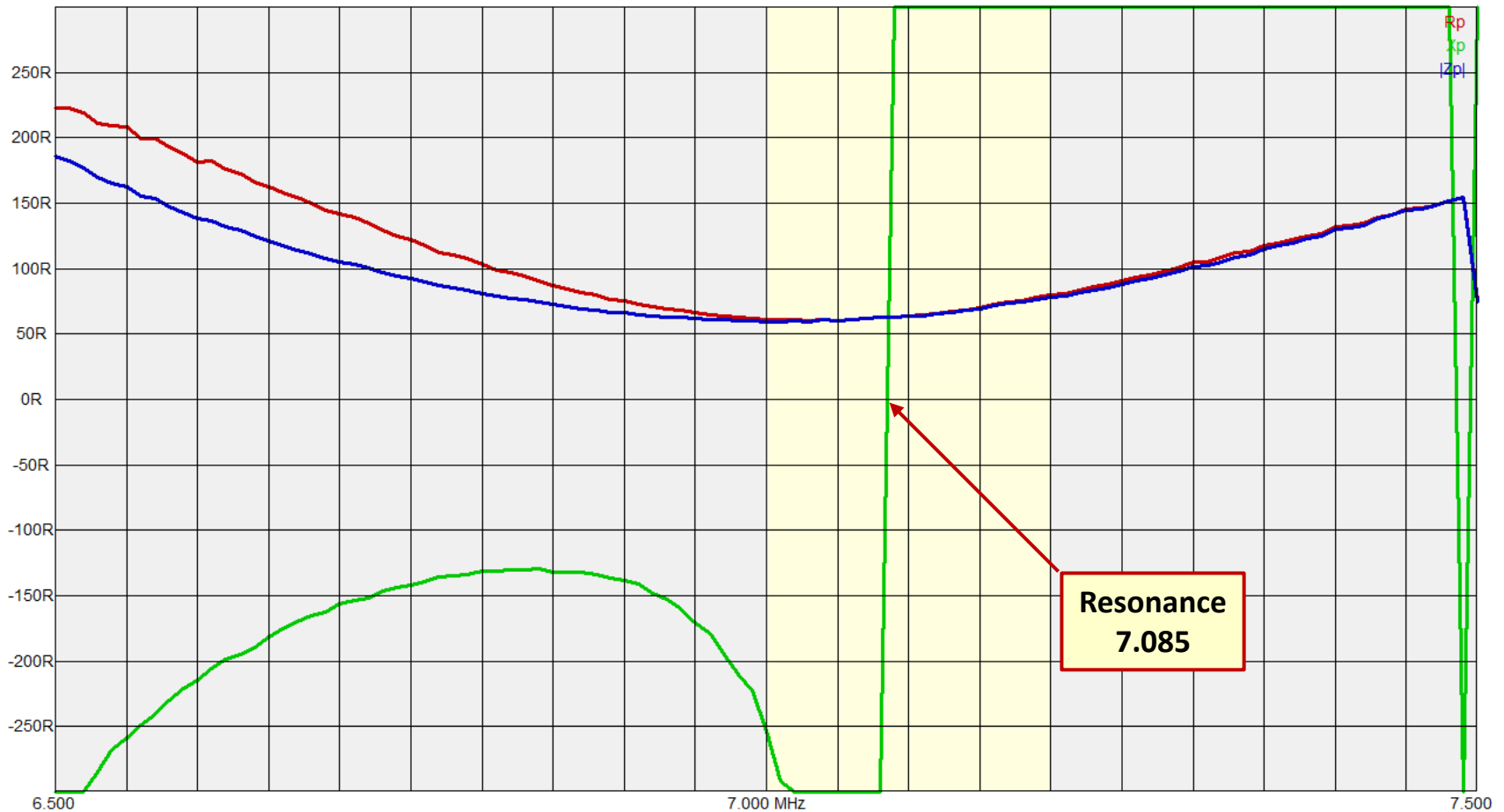
40m Inverted-V / Not Grounded / C1 Choke



Fq = 7.090 MHz
SWR = 1.26
Return loss = 18.84 dB
Z = 62.9 - j0.0 Ohm ←
|Z| = 62.9 Ohm
Phase = -0.0 °
Zpar = 62.9 Ohm
Cable: Length(1/4) = 6.98 m, Length(1/2) = 13.95 m

$Z = R | +jX$
($\frac{1}{2}\lambda$ Coax)

40m Inverted-V / Grounded / C1 Choke @ Tx



Fq = 7.080 MHz
 SWR = 1.25
 Return loss = 19.07 dB
 Z = 62.5 - j1.3 Ohm
 |Z| = 62.5 Ohm
 Phase = -1.2 °
 C = 17545 pF
 Zpar = 62.5 Ohm
 Cpar = 7 pF
 Cable: Length(1/4) = 6.99 m, Length(1/2) = 13.97 m

Fq = 7.090 MHz
 SWR = 1.26
 Return loss = 18.93 dB
 Z = 62.8 + j0.5 Ohm
 |Z| = 62.8 Ohm
 Phase = 0.5 °
 L = 11 nH
 Zpar = 62.8 Ohm
 Lpar = 170077 nH
 Cable: Length(1/4) = 6.98 m, Length(1/2) = 13.95 m

$Z = R || +jX$
 ($\frac{1}{2}\lambda$ Coax)