

1.0.1  
**DATS**

Workbench Notes:

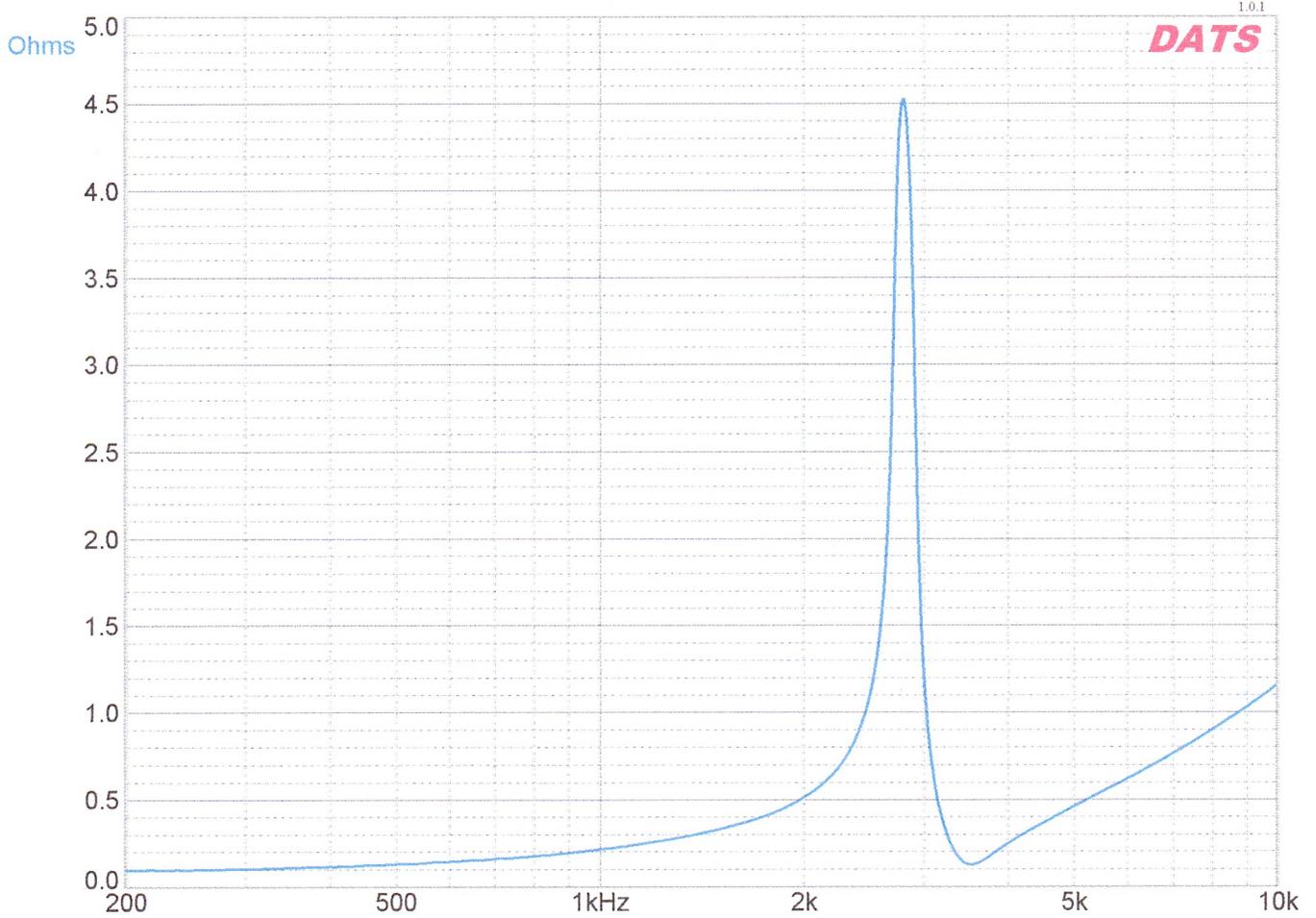
AF4T-0.1H-2K-BC-EB

$R(e) = 2351.70 \text{ Ohms}$

$L(e) = 18757.000 \text{ mH at 1kHz}$

IMPEDANCE VALUE ACROSS TERMINALS VS FREQUENCY

Measurements by:
Title:



**Workbench Notes:**

f(s) = 2816.00 Hz  
 Q(ms) = 21.804

R(e) = 0.08 Ohms  
 Q(es) = 0.408

Z(max) = 4.53 Ohms  
 Q(ts) = 0.401  
 L(e) = 0.031 mH at 1kHz

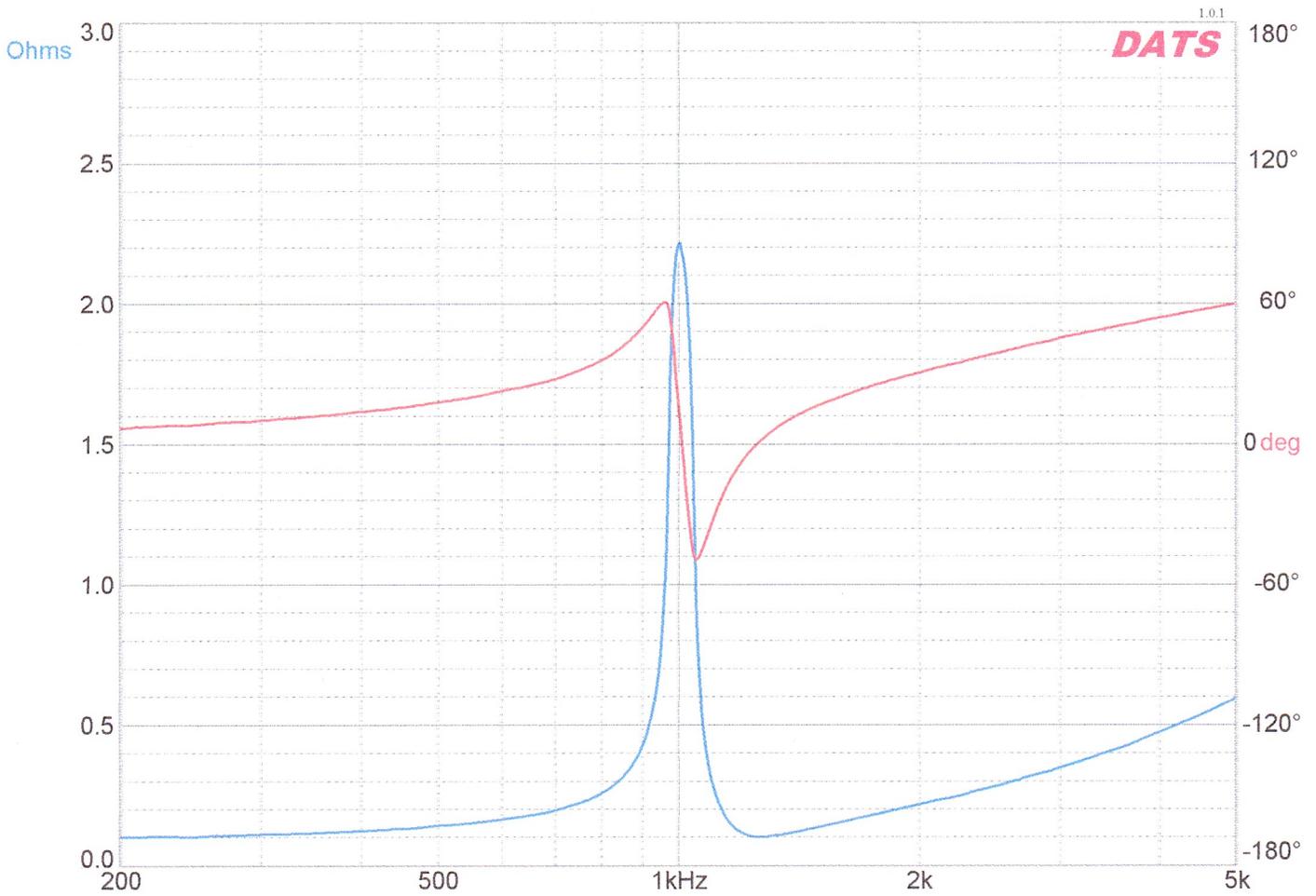
AF4T-0.1H-2K-BC-EB

Without a capacitor across terminals the antenna is self-resonant @ 2800 Hz. Impedance across terminals is greater than 10000 ohms at center peak.

Measurement made with a 2 ohm coil around the outside of the antenna to show how NARROW the tuned peak is.

IMPEDANCE VALUE ACROSS TERMINALS VS FREQUENCY

Measurements by:
Title:



**Workbench Notes:**

f(s) = 1007.00 Hz  
 Q(ms) = 28.997

R(e) = 0.09 Ohms  
 Q(es) = 1.233

Z(max) = 2.22 Ohms  
 Q(ts) = 1.182  
 L(e) = 0.347 mH at 1kHz

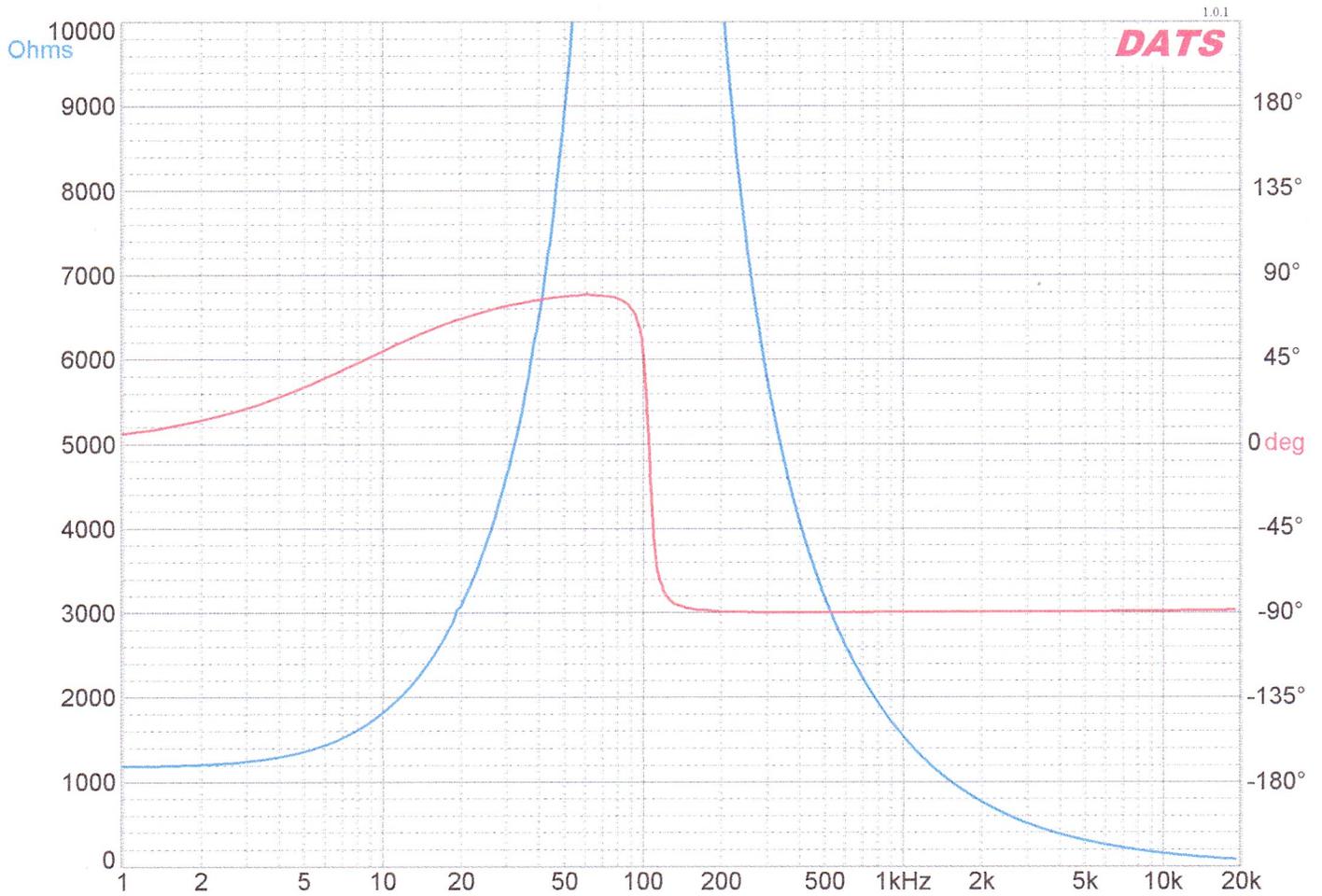
AF4T-0.1H-2K-BC-EB

An 1000 pF capacitor across terminals tunes the antenna to @ 1000 Hz. Impedance across terminals is greater than 10000 ohms at center peak.

Measurement made with a 2 ohm coil around the outside of the antenna to show how NARROW the tuned peak is.

IMPEDANCE VALUE ACROSS TERMINALS VS FREQUENCY

Measurements by:
Title:



Workbench Notes:

AF4T-0.1H-2K-BC-EB

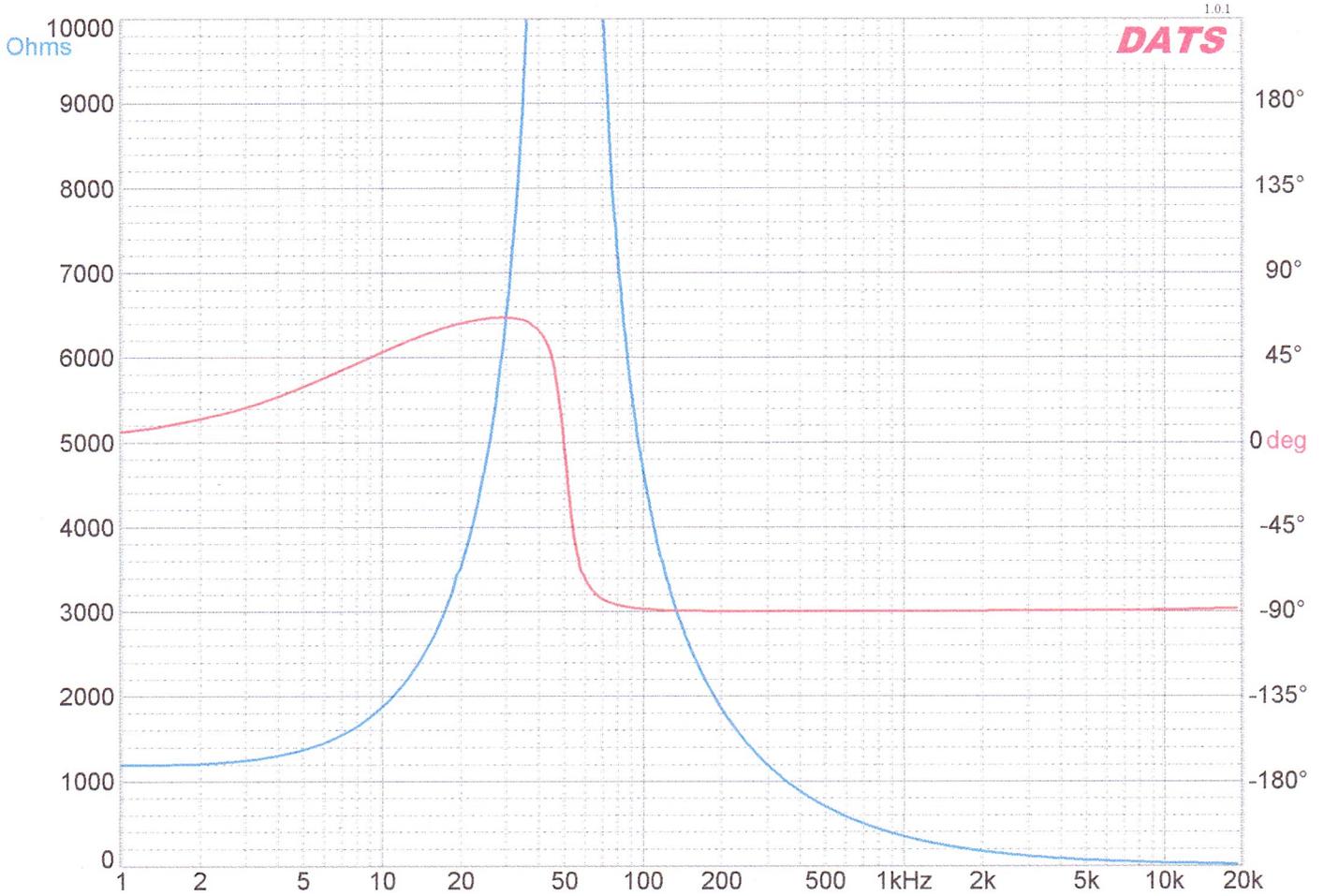
R(e) = 1181.10 Ohms

L(e) = 163.600 mH at 1kHz

An 0.1 uF capacitor across terminals tunes the antenna to @ 100 Hz. Impedance is greater than 10000 ohms at center peak.

IMPEDANCE VALUE ACROSS TERMINALS VS FREQUENCY

Measurements by:
Title:



Workbench Notes:

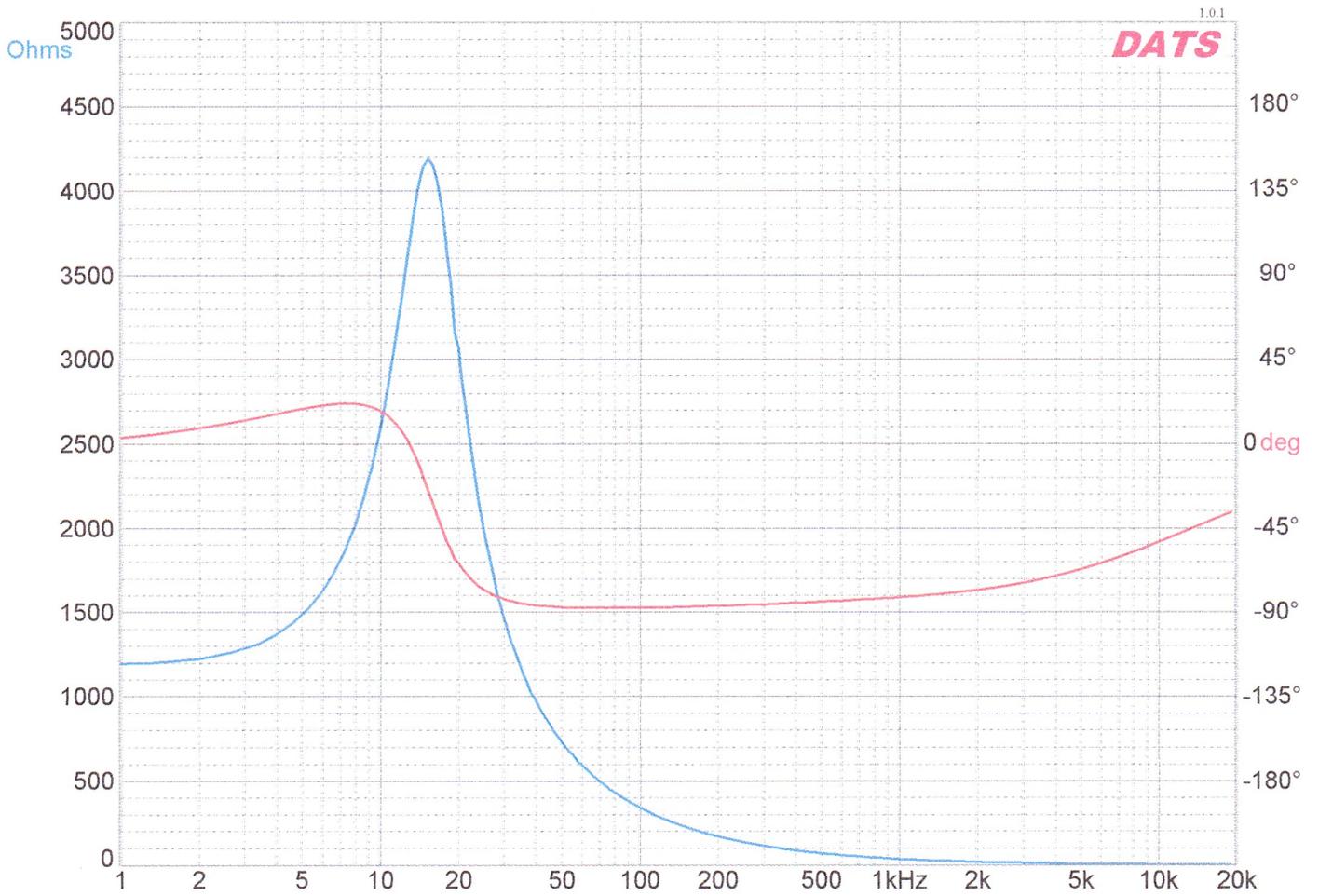
$R(e) = 1186.20 \text{ Ohms}$

AF4T-0.1H-2K-BC-EB

An 0.47 uF capacitor across terminals tunes the antenna to @ 50 Hz. Impedance is greater than 10000 ohms at center peak.

IMPEDANCE VALUE ACROSS TERMINALS VS FREQUENCY

Measurements by:
Title:



**Workbench Notes:**

f(s) = 15.48 Hz  
 Q(ms) = 1.958  
 AF4T-0.1H-2K-BC-EB

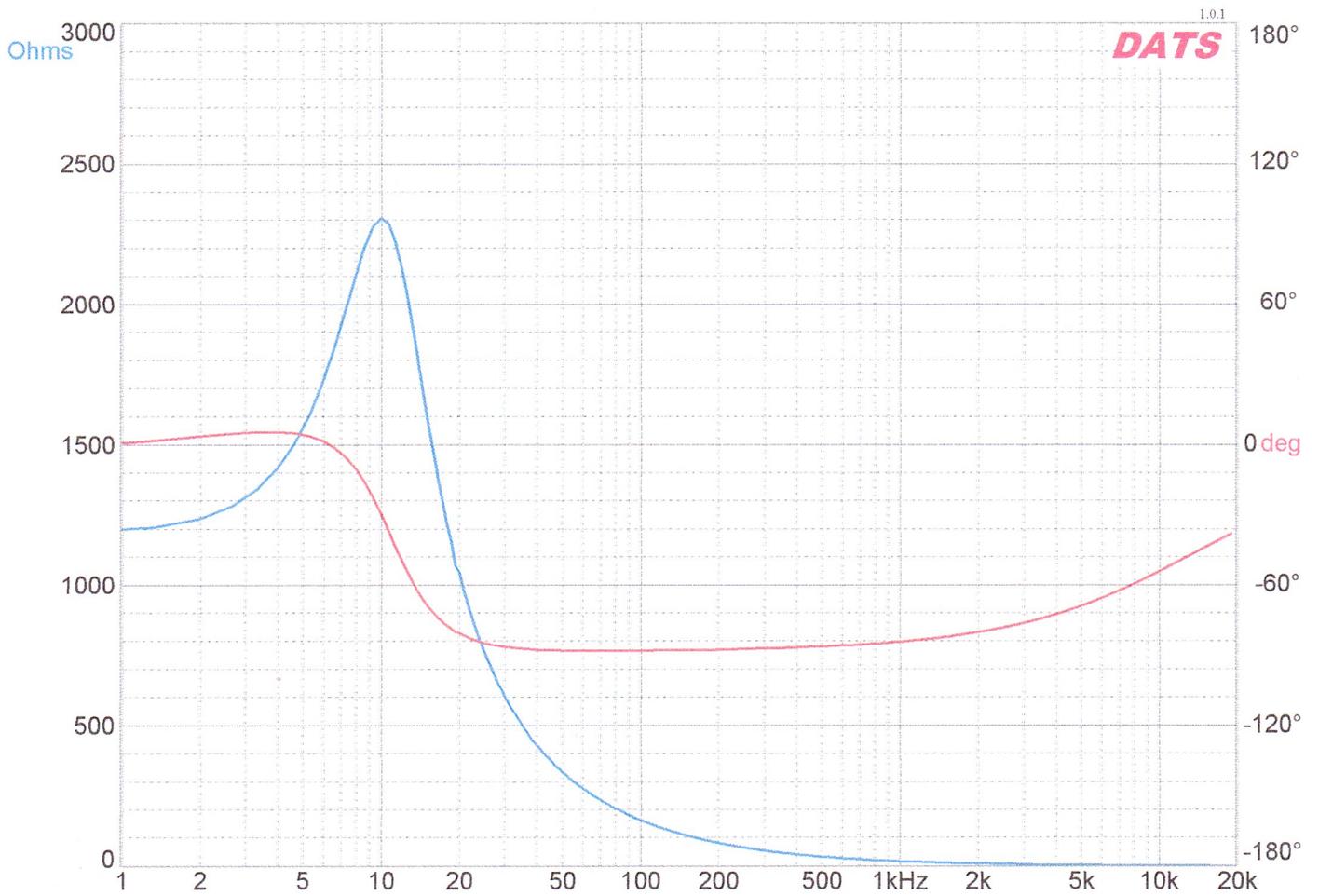
R(e) = 1205.40 Ohms  
 Q(es) = 0.790

Z(max) = 4193.00 Ohms  
 Q(ts) = 0.563

An 4.7 uF capacitor across terminals tunes the antenna to @ 16 Hz. Impedance is greater than 4000 ohms at center peak.

IMPEDANCE VALUE ACROSS TERMINALS VS FREQUENCY

Measurements by:
Title:



**Workbench Notes:**

f(s) = 10.09 Hz  
 Q(ms) = 1.542  
 AF4T-0.1H-2K-BC-EB

R(e) = 1218.00 Ohms  
 Q(es) = 1.725

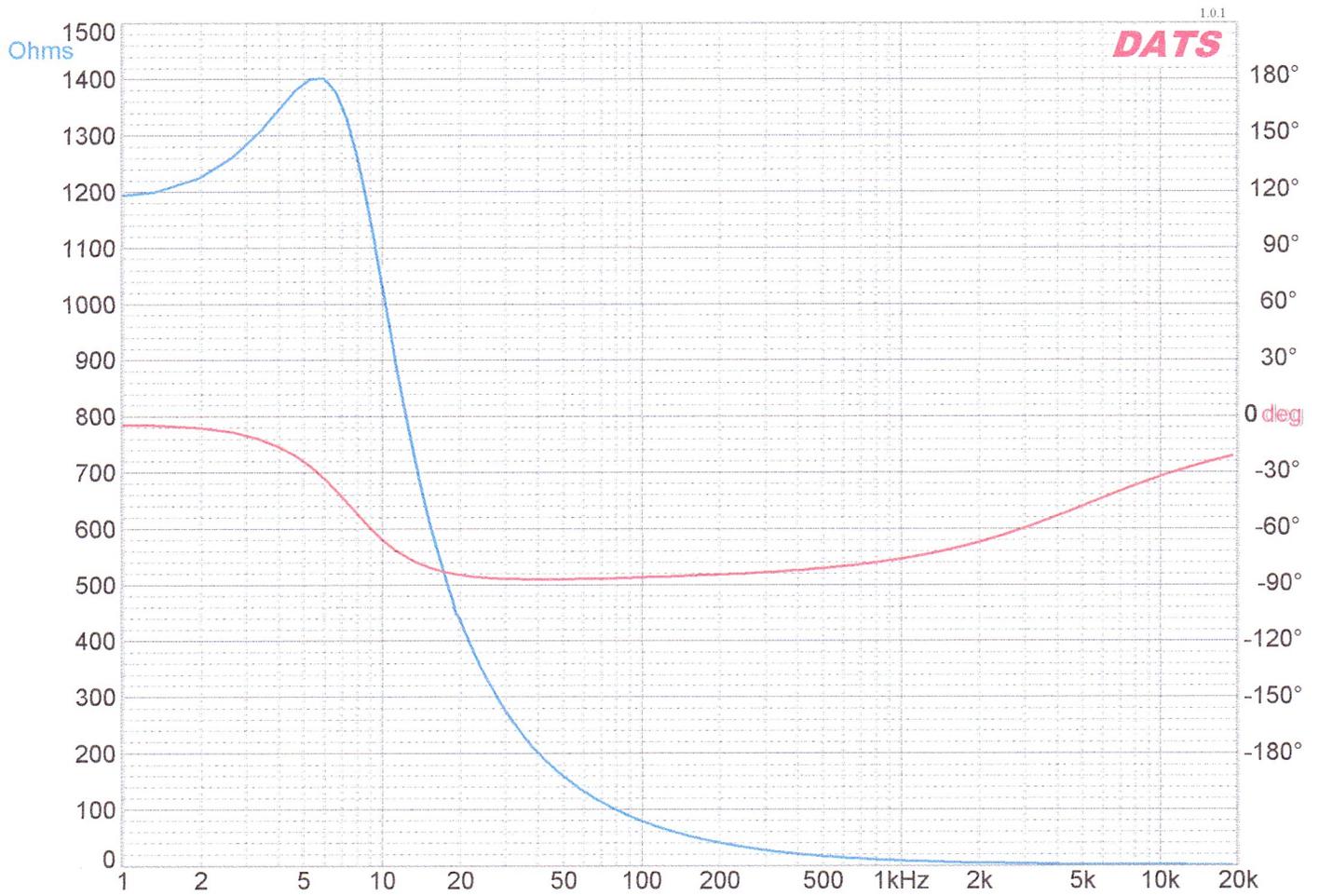
Z(max) = 2307.00 Ohms  
 Q(ts) = 0.814

An 10 uF capacitor across terminals tunes the antenna to @ 10 Hz. Impedance is greater than 2200 ohms at center peak.

IMPEDANCE VALUE ACROSS TERMINALS VS FREQUENCY

Measurements by:
Title:





**Workbench Notes:**

f(s) = 6.06 Hz  
 Q(ms) = 1.016  
 AF4T-0.1H-2K-BC-EB

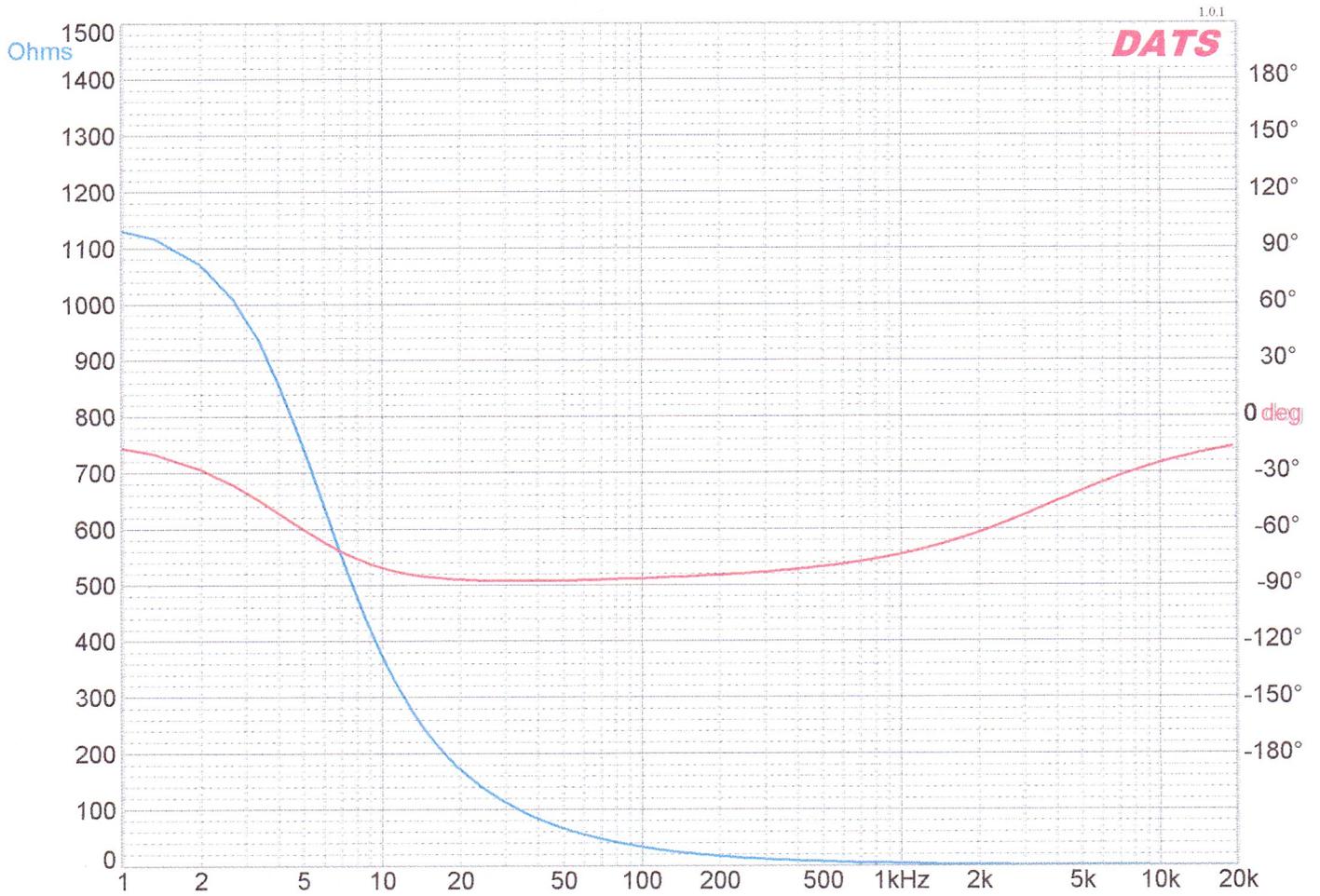
R(e) = 668.86 Ohms  
 Q(es) = 0.926

Z(max) = 1402.00 Ohms  
 Q(ts) = 0.485

An 22 uF capacitor across terminals tunes the antenna to @ 6 Hz. Impedance is 1400 ohms at center peak.

IMPEDANCE VALUE ACROSS TERMINALS VS FREQUENCY

Measurements by:
Title:



Workbench Notes:

$$R(e) = 250.82 \text{ Ohms}$$

AF4T-0.1H-2K-BC-EB

An 47 uF capacitor across terminals tunes the antenna to @ 1 Hz. Impedance is greater than 1100 ohms at center peak.

Frequencies of 10 Hz and greater are highly reduced.

IMPEDANCE VALUE ACROSS TERMINALS VS FREQUENCY

Measurements by:
Title: