



## **TEST AND CALIBRATION DATA**

**Short Period OBS System**

**Serial No. T6J74/A4331/5170**

**DESIGNED AND MANUFACTURED BY:**

**GÜRALP SYSTEMS LIMITED  
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## DM24 CALIBRATION

**WORKS ORDER:** 13072

**DIGITISER SERIAL NUMBER:** A4331

SYSTEM ID: 13072  
UNIT ID: 4331  
OUTPUT DATA FORMAT: GCF  
BAUD RATE: 38400

CPLD: A0.E1  
BOOTLOADER: MK3BOOT213.IMG  
DSP SOFTWARE: DSP1090.BIN  
SYSTEM: DMNET106b57d.IMG

### VELOCITY CHANNELS

Channel:	4331Z2	Vertical	2.874 $\mu\text{V}/\text{Count}$
	4331N2	North/South	2.873 $\mu\text{V}/\text{Count}$
	4331E2	East/West	2.874 $\mu\text{V}/\text{Count}$

### MASS POSITION CHANNELS

Sample Rate: 4 samples/sec (Default)

Channel:	4331M8	Vertical	291.646 $\mu\text{V}/\text{Count}$
	4331M9	North/South	291.797 $\mu\text{V}/\text{Count}$
	4331MA	East/West	291.236 $\mu\text{V}/\text{Count}$

Sample Rate: 1 samples/sec

Channel:	4331M8	Vertical	2.278 $\mu\text{V}/\text{Count}$
	4331M9	North/South	2.280 $\mu\text{V}/\text{Count}$
	4331MA	East/West	2.275 $\mu\text{V}/\text{Count}$

### CAL SIGNAL MONITOR

4331X2	2.875 $\mu\text{V}/\text{Count}$
4331C2	0.424 $\mu\text{V}/\text{Count}$

### GPS RECEIVER

PWM: 8000 Counts  
At Temperature Reading: 23°C

### POWER CONSUMPTION

Digitiser Power Consumption  
GPS Power Consumption

80mA @ 12v  
28mA @ 12v

## AUXILIARY CHANNELS

Sample Rate: 4 samples/sec (Default)

Channel:	4331MB	291.495 $\mu$ V/Count
	4331MC	291.215 $\mu$ V/Count
	4331MD	291.129 $\mu$ V/Count
	4331ME	291.000 $\mu$ V/Count
	4331MF	291.150 $\mu$ V/Count

Sample Rate: 1 samples/sec

Channel:	4331MB	2.277 $\mu$ V/Count
	4331MC	2.275 $\mu$ V/Count
	4331MD	2.274 $\mu$ V/Count
	4331ME	2.273 $\mu$ V/Count
	4331MF	2.275 $\mu$ V/Count

## CMG-6TF CALIBRATION SHEET

WORKS ORDER:	13072	DATE:	11-Mar-2013
SERIAL NUMBER:	T6J74	TESTED BY:	S. Goddard

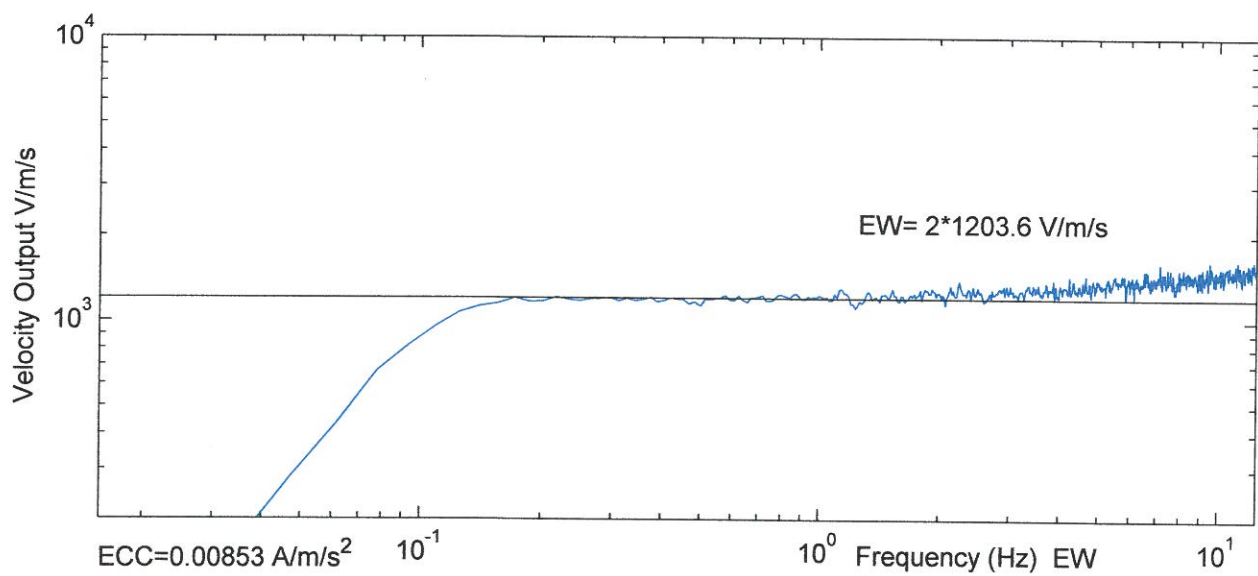
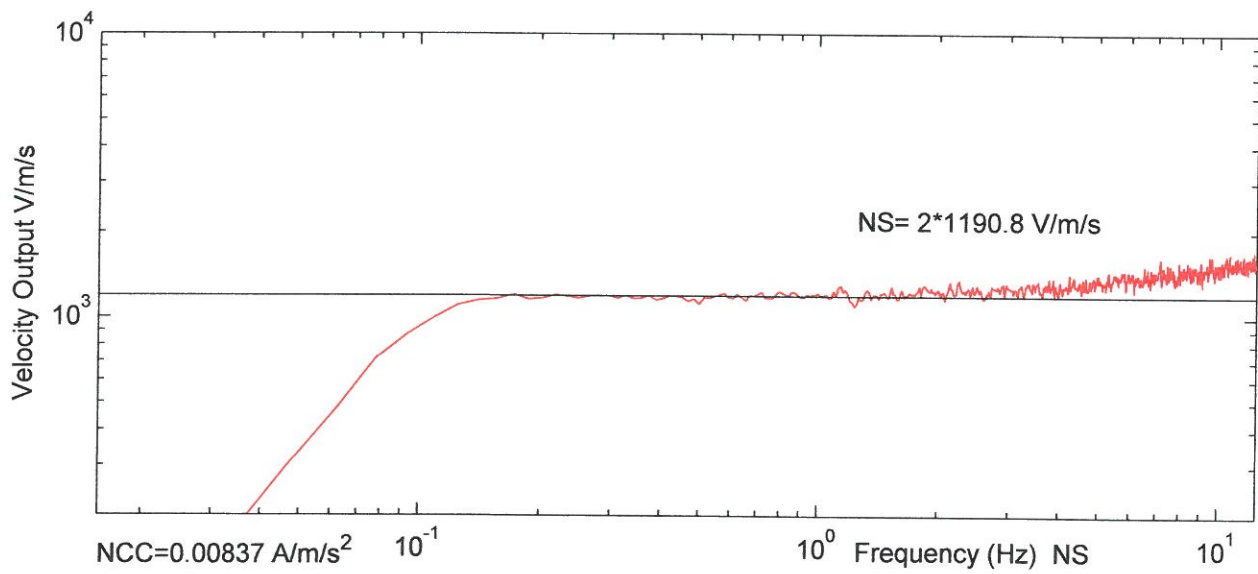
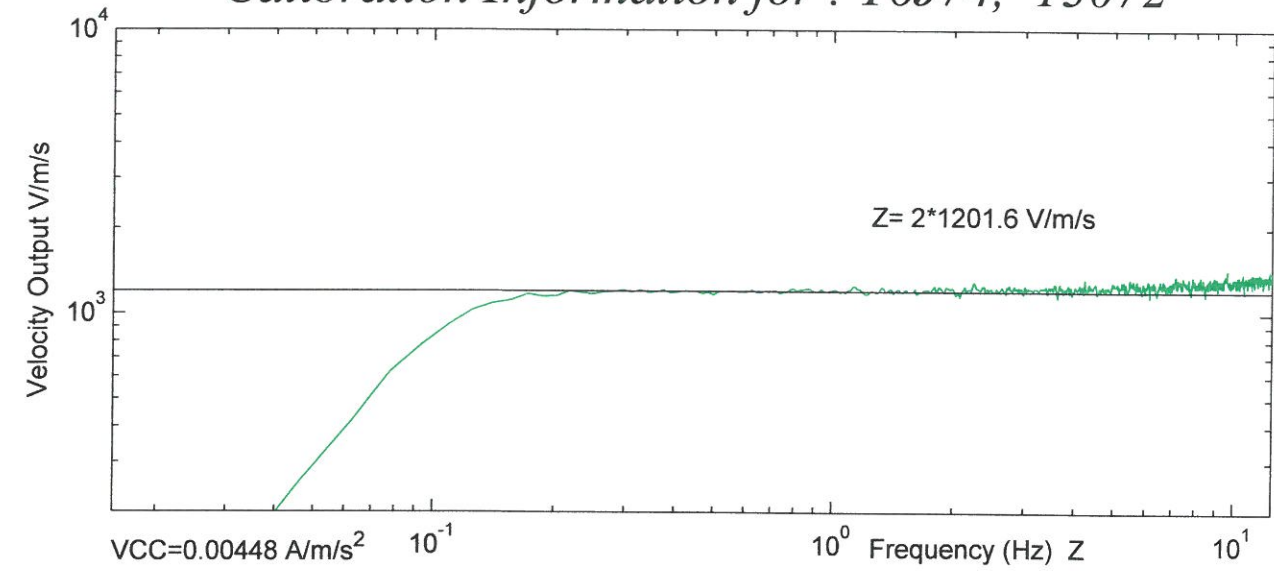
	Velocity Output V/m/s (Differential)	Mass Position Output (Acceleration output) V/m/s <sup>2</sup>	Feedback Coil Constant Amp/m/s <sup>2</sup>
VERTICAL	2 x 1202	448	0.00448
NORTH/SOUTH	2 x 1191	427	0.00837
EAST/WEST	2 x 1204	435	0.00853

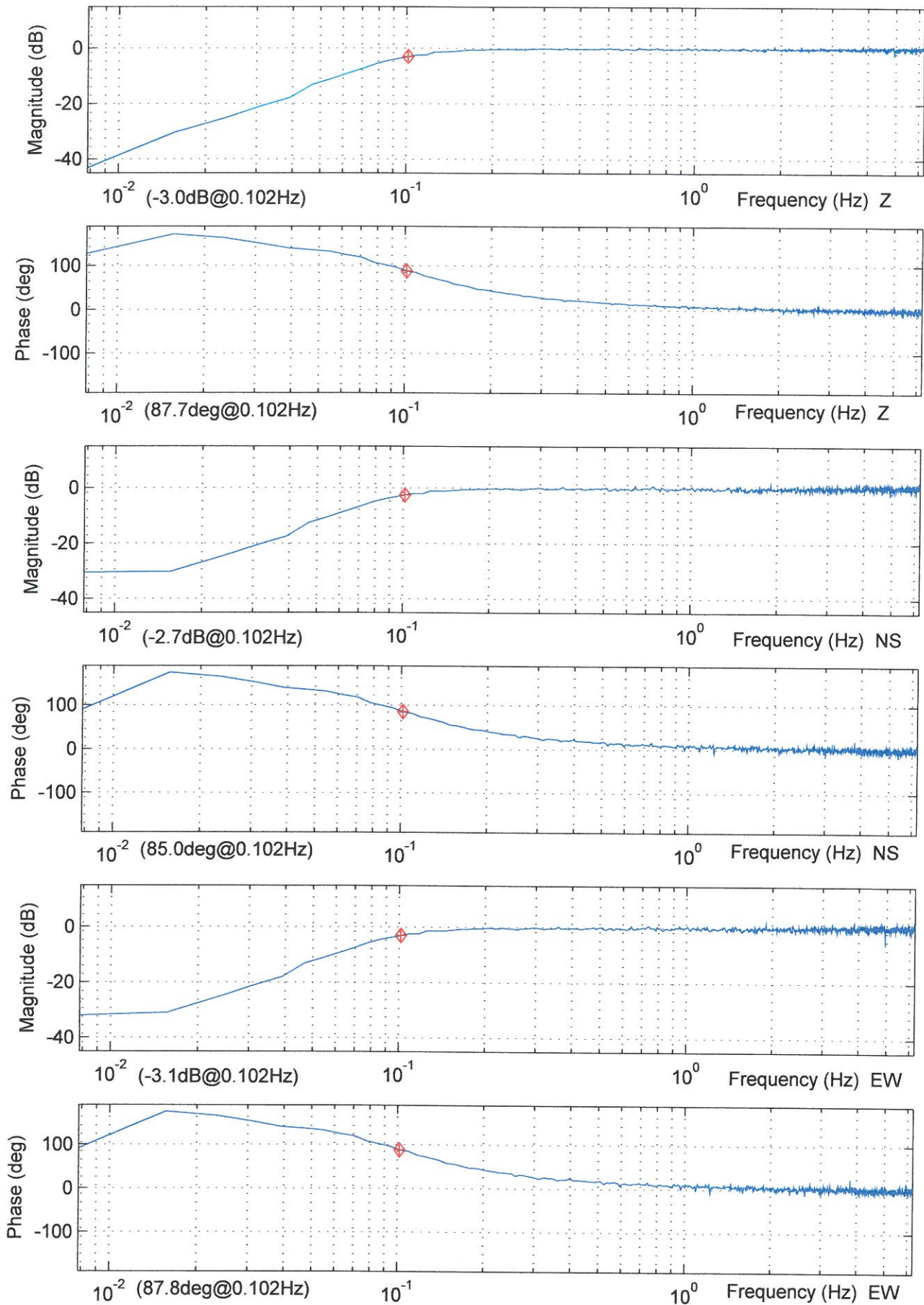
Power Consumption:	20mA @ +12V input
Calibration Resistor:	51000

NOTE: A factor of 2 x must be used when the sensor outputs are used differentially (also known as push-pull or balanced output). Under no conditions should the negative outputs be connected to the signal ground. A separate signal ground pin is provided.

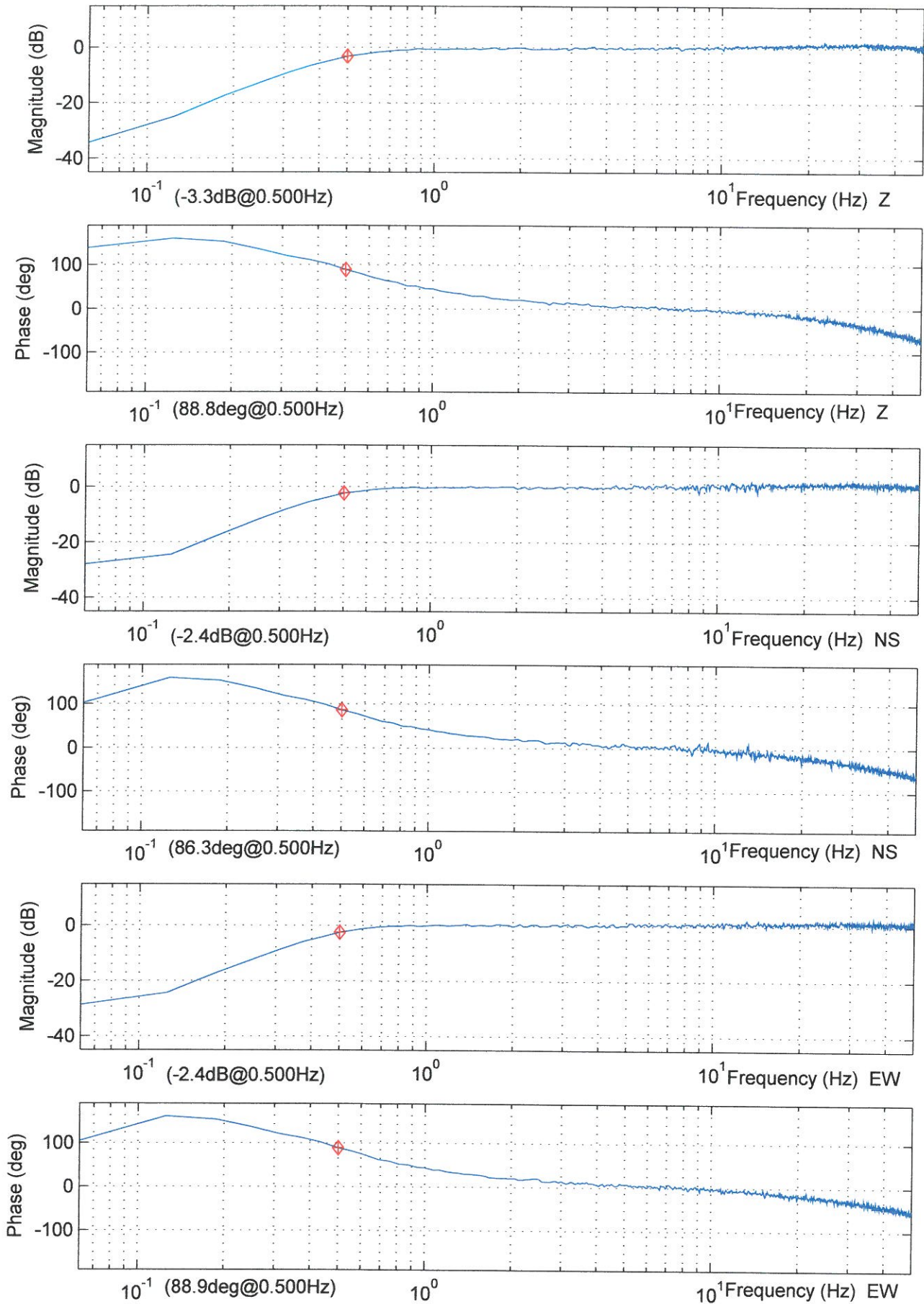
# Calibration Information for : T6J74, 13072



# *Normalized Frequency Response for : T6J74, 13072*

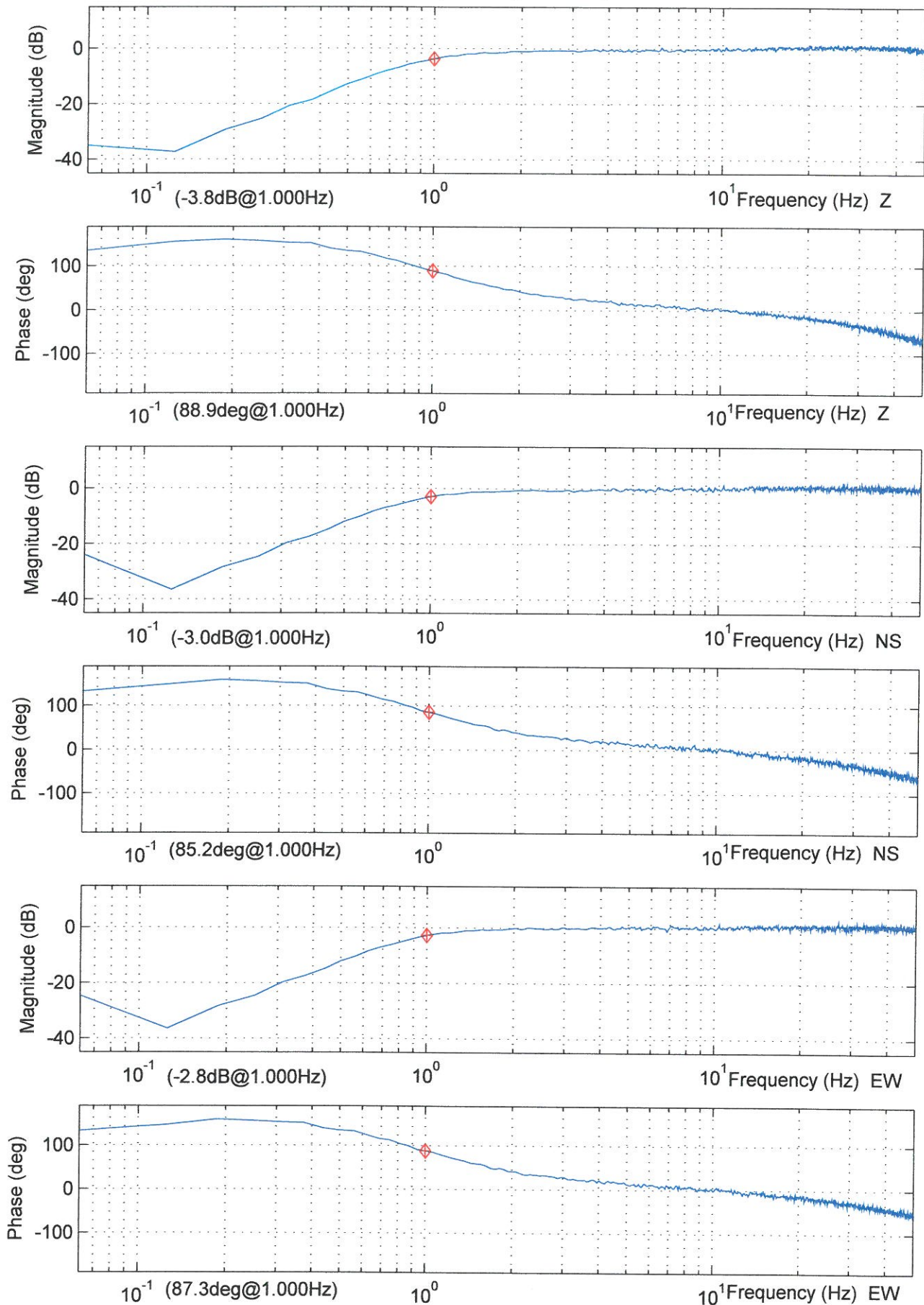


# Normalized Frequency Response for : T6J74, 13072





# Normalized Frequency Response for : T6J74, 13072





# Normalized Frequency Response for : T6J74, 13072

