



TEST AND CALIBRATION DATA

Short Period OBS System

Serial No. T6J73/A4329/5169

DESIGNED AND MANUFACTURED BY:

**GÜRALP SYSTEMS LIMITED
3 MIDAS HOUSE
CALLEVA PARK
ALDERMASTON
READING
BERKS, RG7 8EA
ENGLAND**

Telephone: +44 (0) 118 9819056

Fax: +44 (0) 118 9819943

DM24 CALIBRATION

WORKS ORDER: 13072

DIGITISER SERIAL NUMBER: A4329

SYSTEM ID: 13072
UNIT ID: 4329
OUTPUT DATA FORMAT: GCF
BAUD RATE: 38400

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

VELOCITY CHANNELS

Channel:	4329Z2	Vertical	2.873 $\mu\text{V}/\text{Count}$
	4329N2	North/South	2.872 $\mu\text{V}/\text{Count}$
	4329E2	East/West	2.875 $\mu\text{V}/\text{Count}$

MASS POSITION CHANNELS

Sample Rate: 4 samples/sec (Default)

Channel:	4329M8	Vertical	290.880 $\mu\text{V}/\text{Count}$
	4329M9	North/South	292.000 $\mu\text{V}/\text{Count}$
	4329MA	East/West	290.902 $\mu\text{V}/\text{Count}$

Sample Rate: 1 samples/sec

Channel:	4329M8	Vertical	2.273 $\mu\text{V}/\text{Count}$
	4329M9	North/South	2.281 $\mu\text{V}/\text{Count}$
	4329MA	East/West	2.273 $\mu\text{V}/\text{Count}$

CAL SIGNAL MONITOR

4329X2	2.872 $\mu\text{V}/\text{Count}$
4329C2	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:	4329MB	291.030 $\mu\text{V}/\text{Count}$
	4329MC	290.902 $\mu\text{V}/\text{Count}$
	4329MD	291.224 $\mu\text{V}/\text{Count}$
	4329ME	290.923 $\mu\text{V}/\text{Count}$
	4329MF	291.310 $\mu\text{V}/\text{Count}$

Sample Rate: 1 samples/sec

Channel:	4329MB	2.274 $\mu\text{V}/\text{Count}$
	4329MC	2.273 $\mu\text{V}/\text{Count}$
	4329MD	2.275 $\mu\text{V}/\text{Count}$
	4329ME	2.273 $\mu\text{V}/\text{Count}$
	4329MF	2.276 $\mu\text{V}/\text{Count}$

CMG-6TF CALIBRATION SHEET

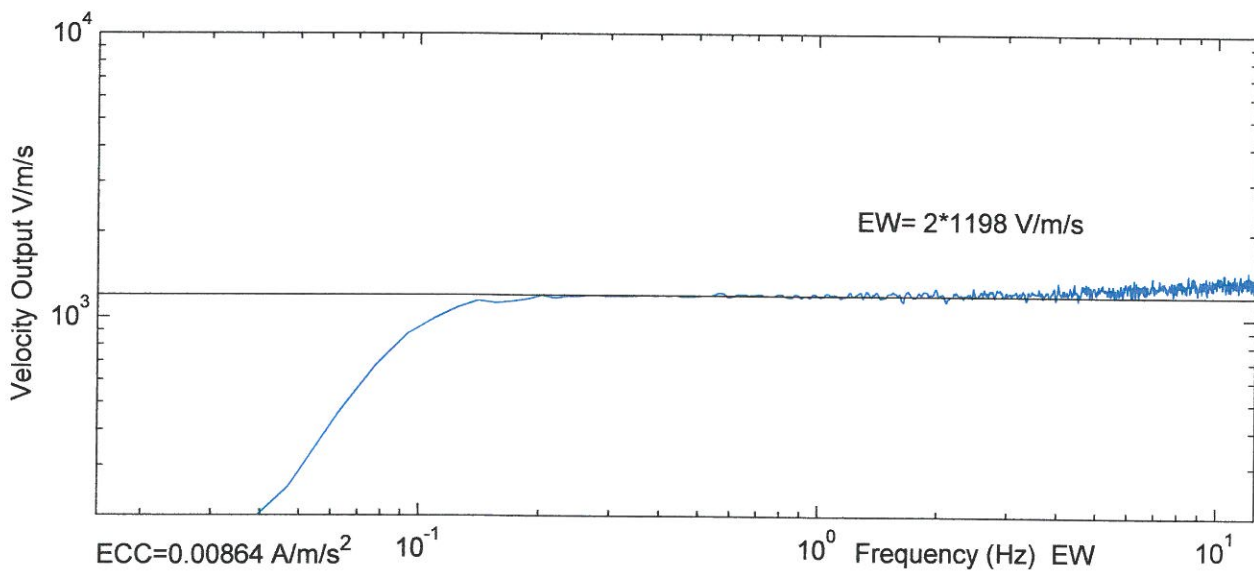
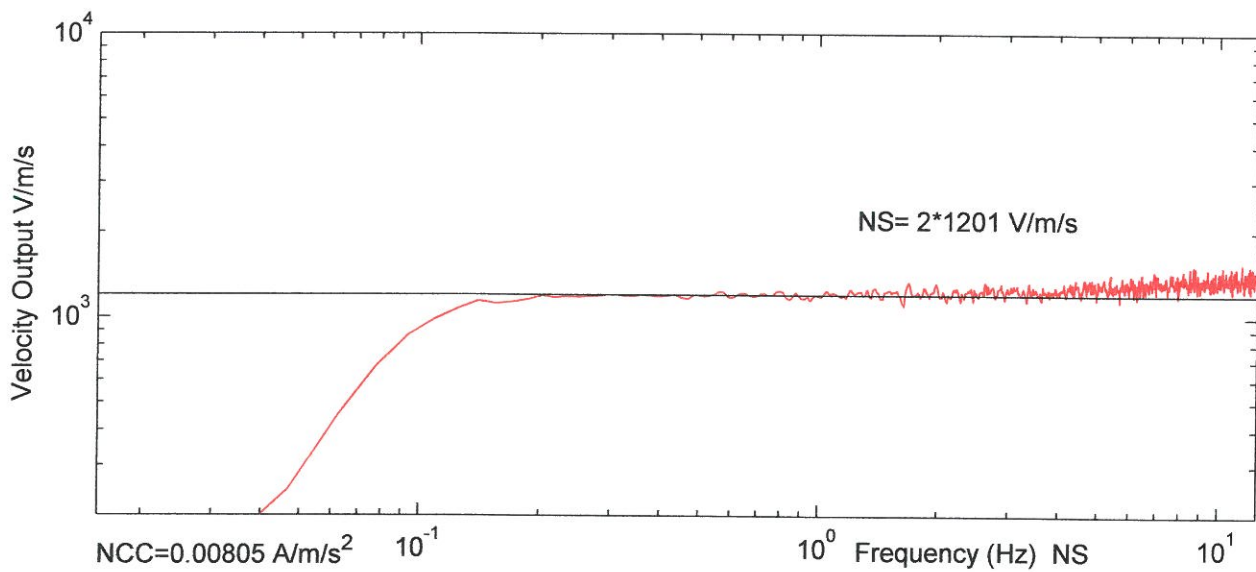
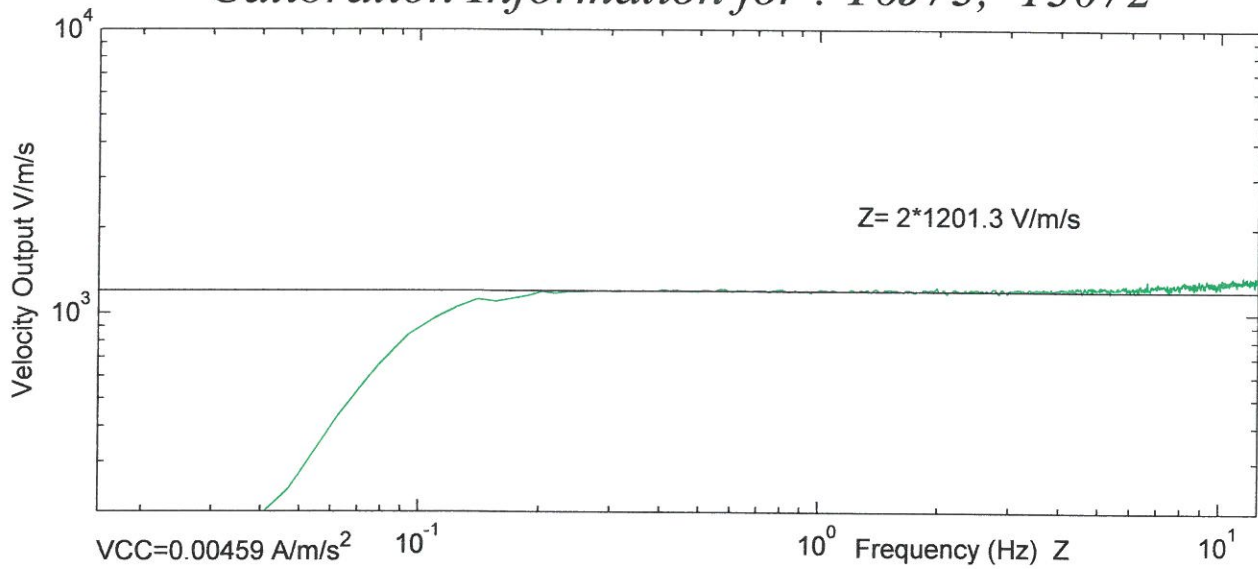
WORKS ORDER:	13072	DATE:	15-Mar-2013
SERIAL NUMBER:	T6J73	TESTED BY:	S. Goddard

	Velocity Output V/m/s (Differential)	Mass Position Output (Acceleration output) V/m/s ²	Feedback Coil Constant Amp/m/s ²
VERTICAL	2 x 1201	459	0.00459
NORTH/SOUTH	2 x 1201	411	0.00805
EAST/WEST	2 x 1198	441	0.00864

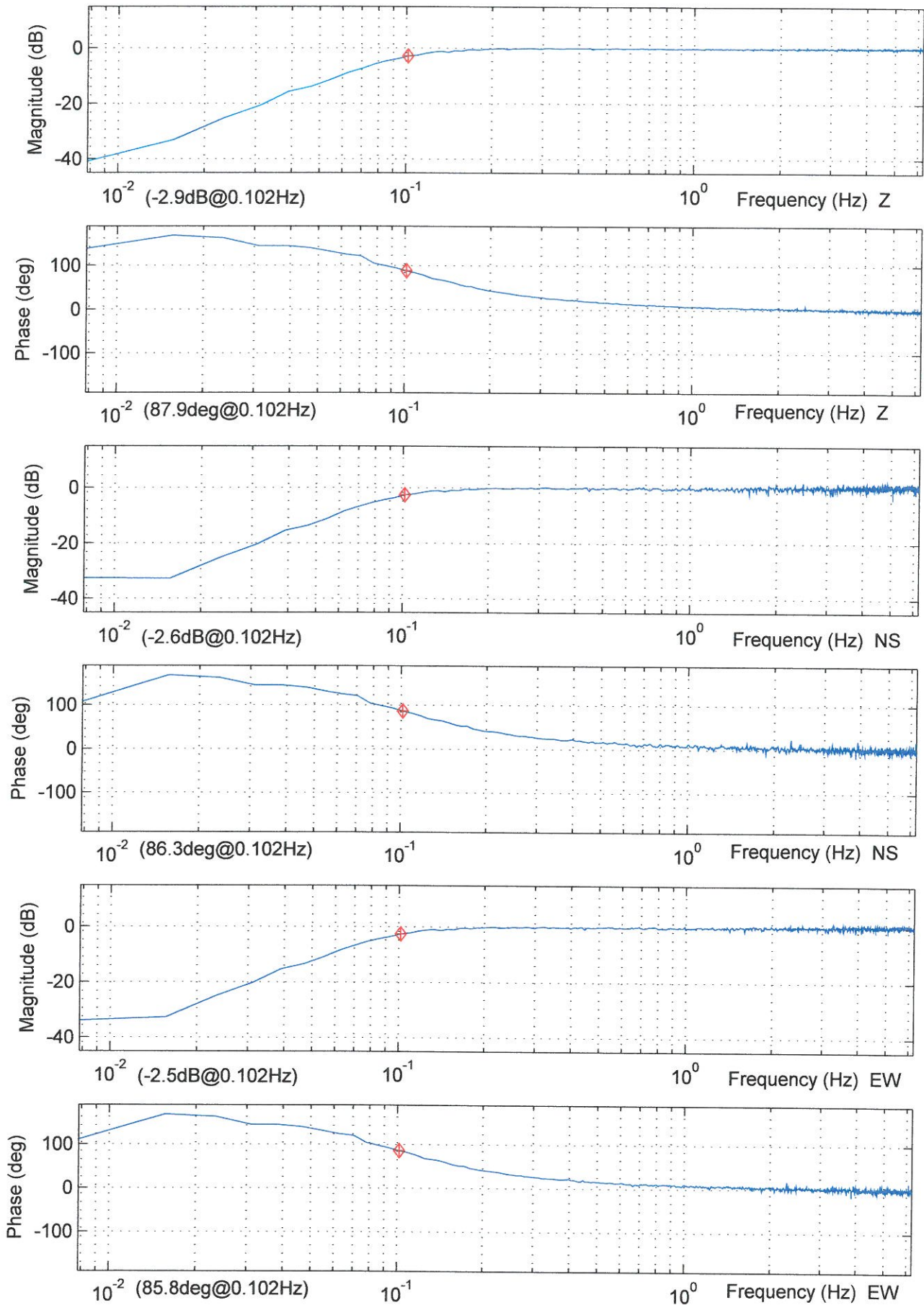
Power Consumption: 20mA @ +12V input
Calibration Resistor: 51000

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.

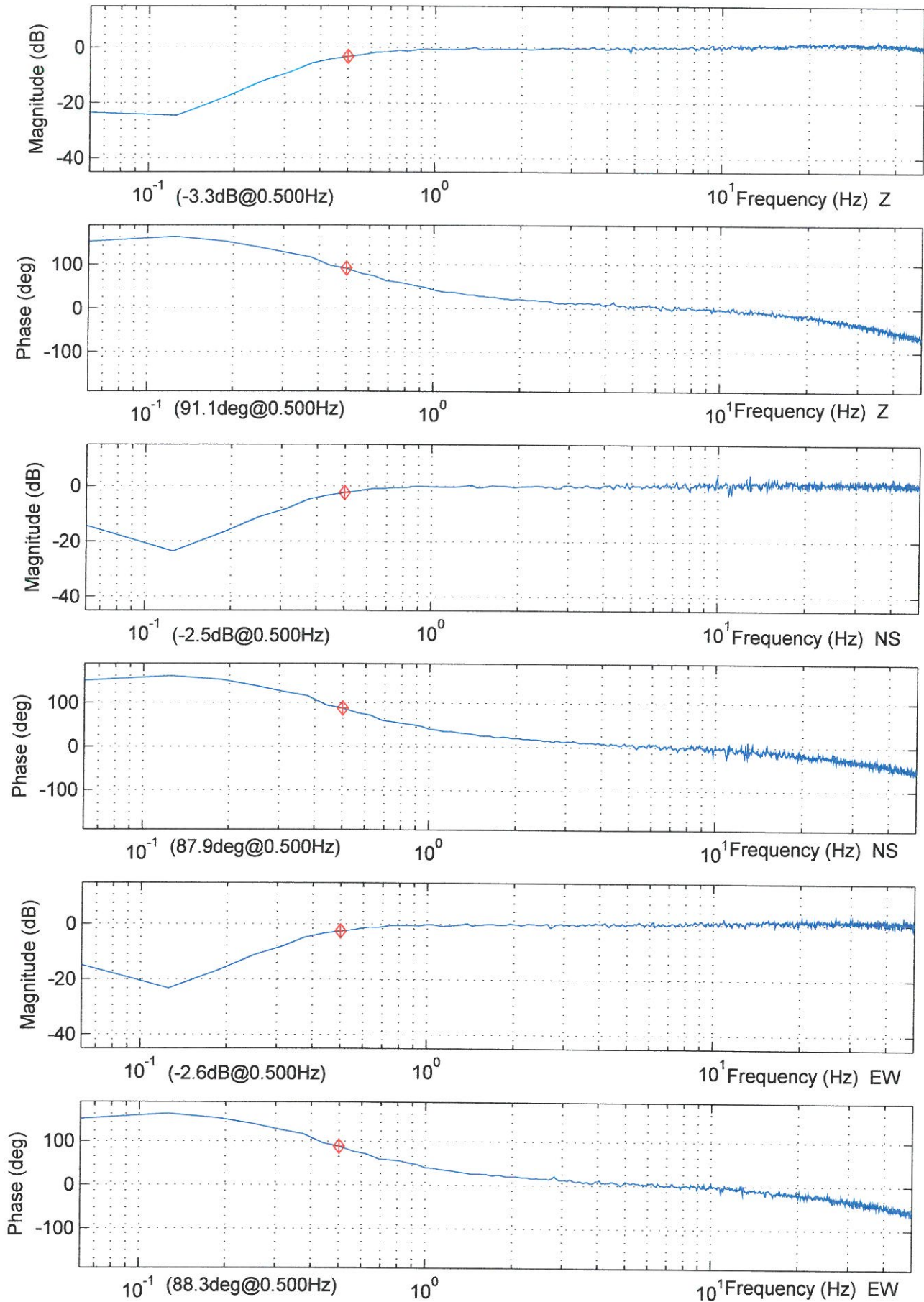
Calibration Information for : T6J73, 13072



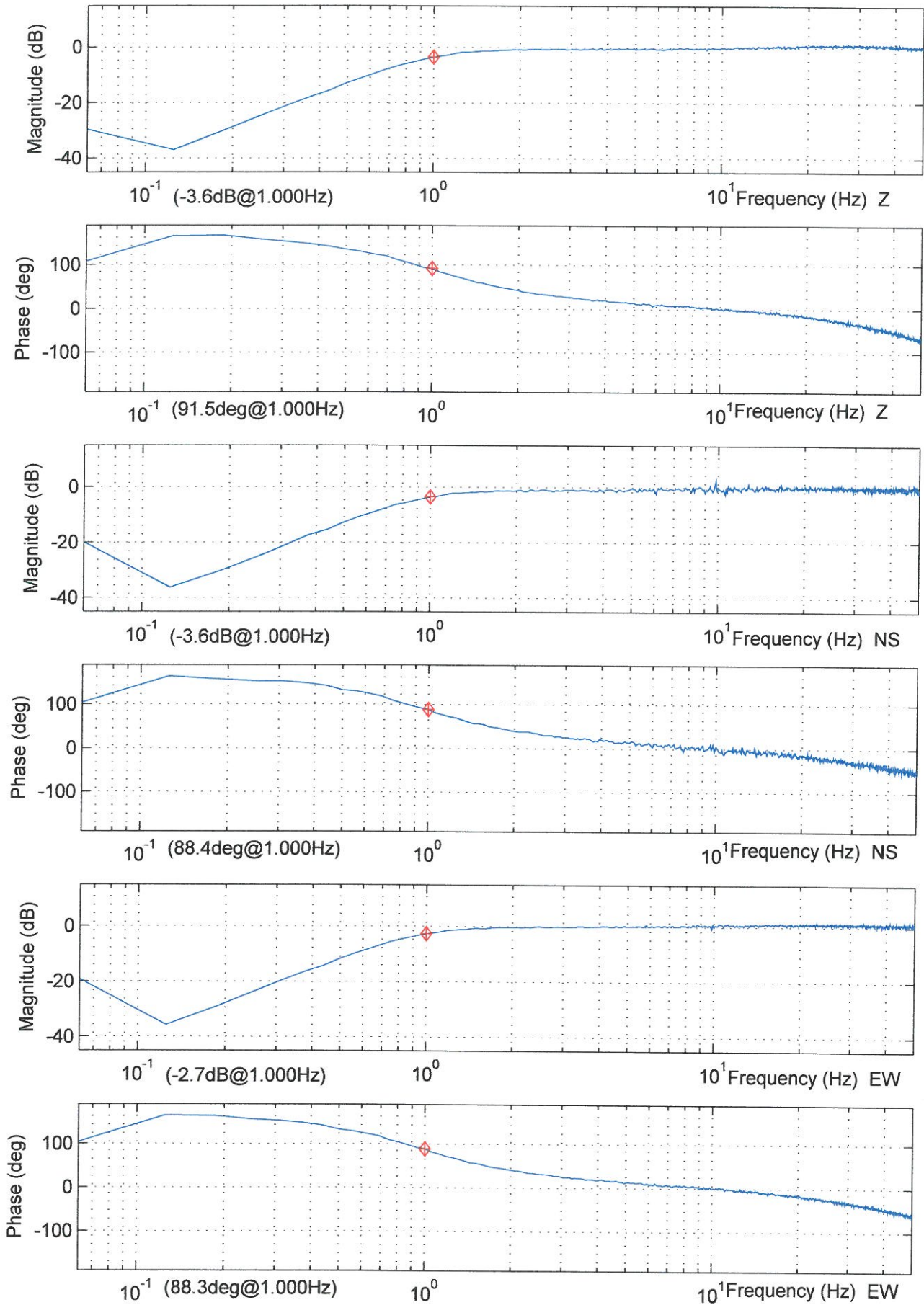
Normalized Frequency Response for : T6J73, 13072



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