



TEST AND CALIBRATION DATA

Short Period OBS System

Serial No. T6J69/A4334/5165

DESIGNED AND MANUFACTURED BY:

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DM24 CALIBRATION

WORKS ORDER: 13072

DIGITISER SERIAL NUMBER: A4334

SYSTEM ID: 13072
UNIT ID: 4334
OUTPUT DATA FORMAT: GCF
BAUD RATE: 38400

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

VELOCITY CHANNELS

Channel:	4334Z2	Vertical	2.873 $\mu\text{V}/\text{Count}$
	4334N2	North/South	2.872 $\mu\text{V}/\text{Count}$
	4334E2	East/West	2.873 $\mu\text{V}/\text{Count}$

MASS POSITION CHANNELS

Sample Rate: 4 samples/sec (Default)

Channel:	4334M8	Vertical	291.862 $\mu\text{V}/\text{Count}$
	4334M9	North/South	291.173 $\mu\text{V}/\text{Count}$
	4334MA	East/West	290.980 $\mu\text{V}/\text{Count}$

Sample Rate: 1 samples/sec

Channel:	4334M8	Vertical	2.280 $\mu\text{V}/\text{Count}$
	4334M9	North/South	2.275 $\mu\text{V}/\text{Count}$
	4334MA	East/West	2.273 $\mu\text{V}/\text{Count}$

CAL SIGNAL MONITOR

4334X2	2.881 $\mu\text{V}/\text{Count}$
4334C2	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:	4334MB	291.238 $\mu\text{V}/\text{Count}$
	4334MC	291.281 $\mu\text{V}/\text{Count}$
	4334MD	291.496 $\mu\text{V}/\text{Count}$
	4334ME	291.410 $\mu\text{V}/\text{Count}$
	4334MF	290.659 $\mu\text{V}/\text{Count}$

Sample Rate: 1 samples/sec

Channel:	4334MB	2.275 $\mu\text{V}/\text{Count}$
	4334MC	2.276 $\mu\text{V}/\text{Count}$
	4334MD	2.277 $\mu\text{V}/\text{Count}$
	4334ME	2.277 $\mu\text{V}/\text{Count}$
	4334MF	2.271 $\mu\text{V}/\text{Count}$

CMG-6TF CALIBRATION SHEET

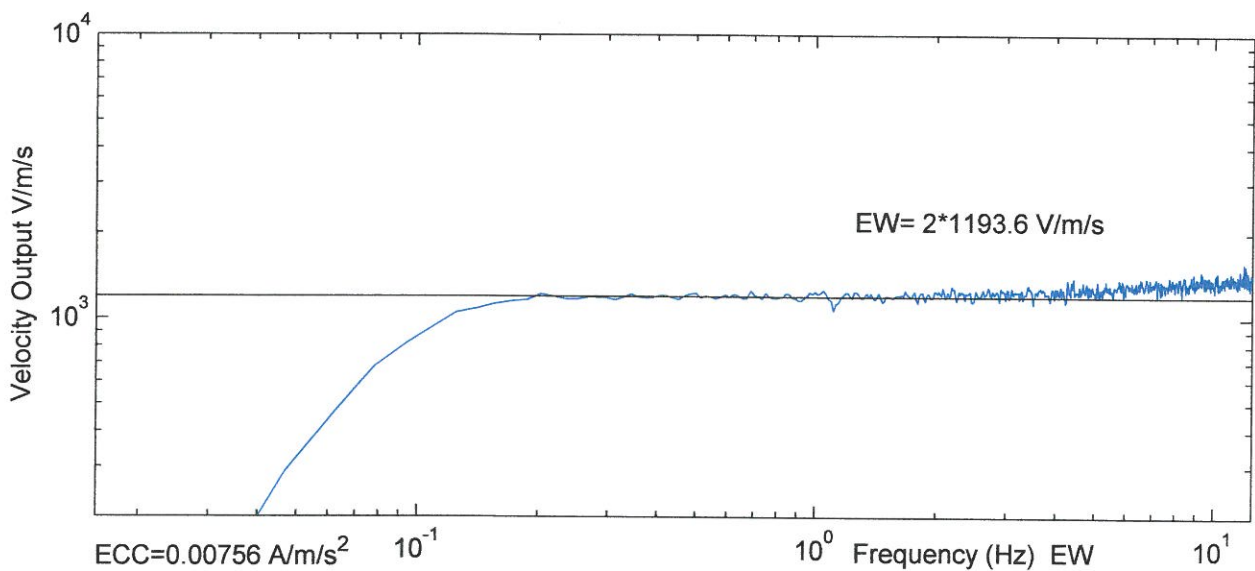
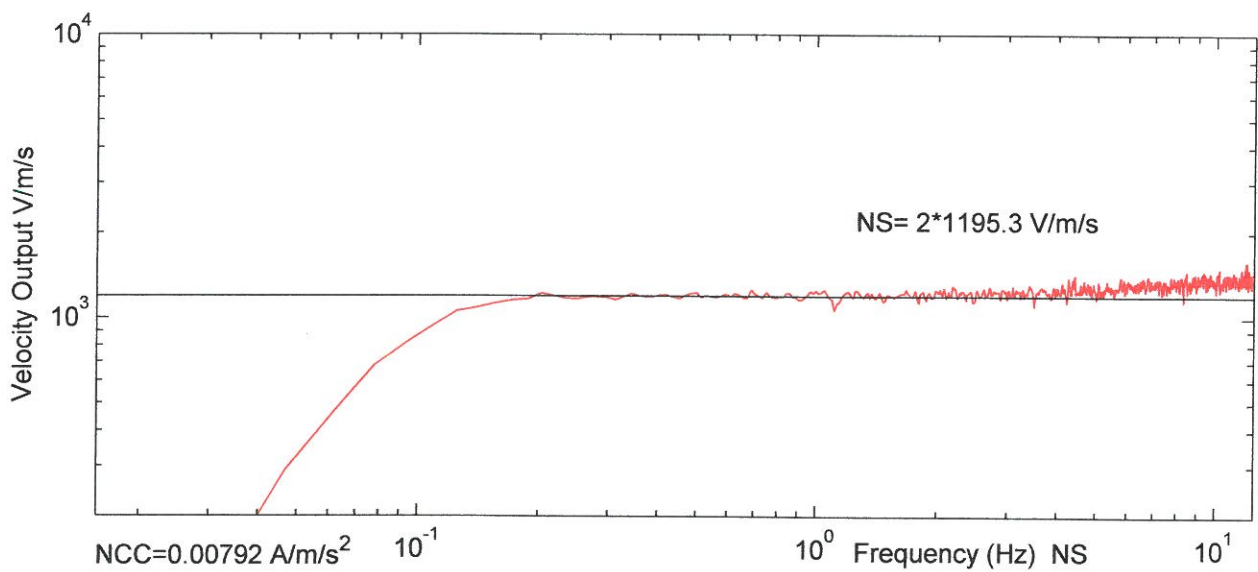
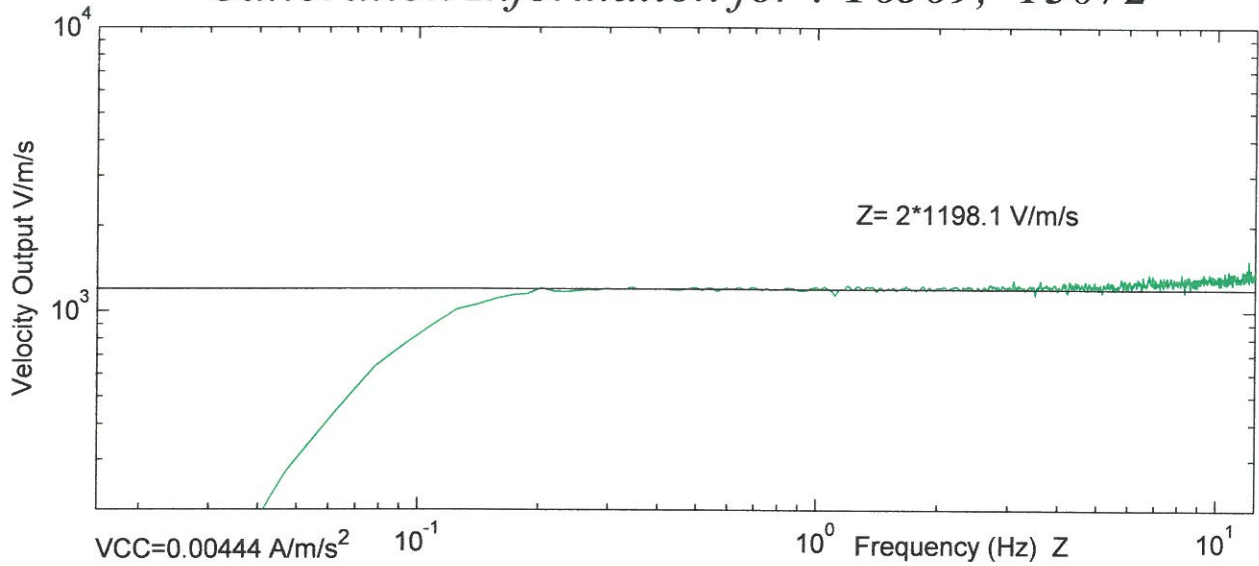
WORKS ORDER:	13072	DATE:	12-Mar-2013
SERIAL NUMBER:	T6J69	TESTED BY:	S. Goddard

	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 1198	444	0.00444
NORTH/SOUTH	2 x 1195	404	0.00792
EAST/WEST	2 x 1194	386	0.00756

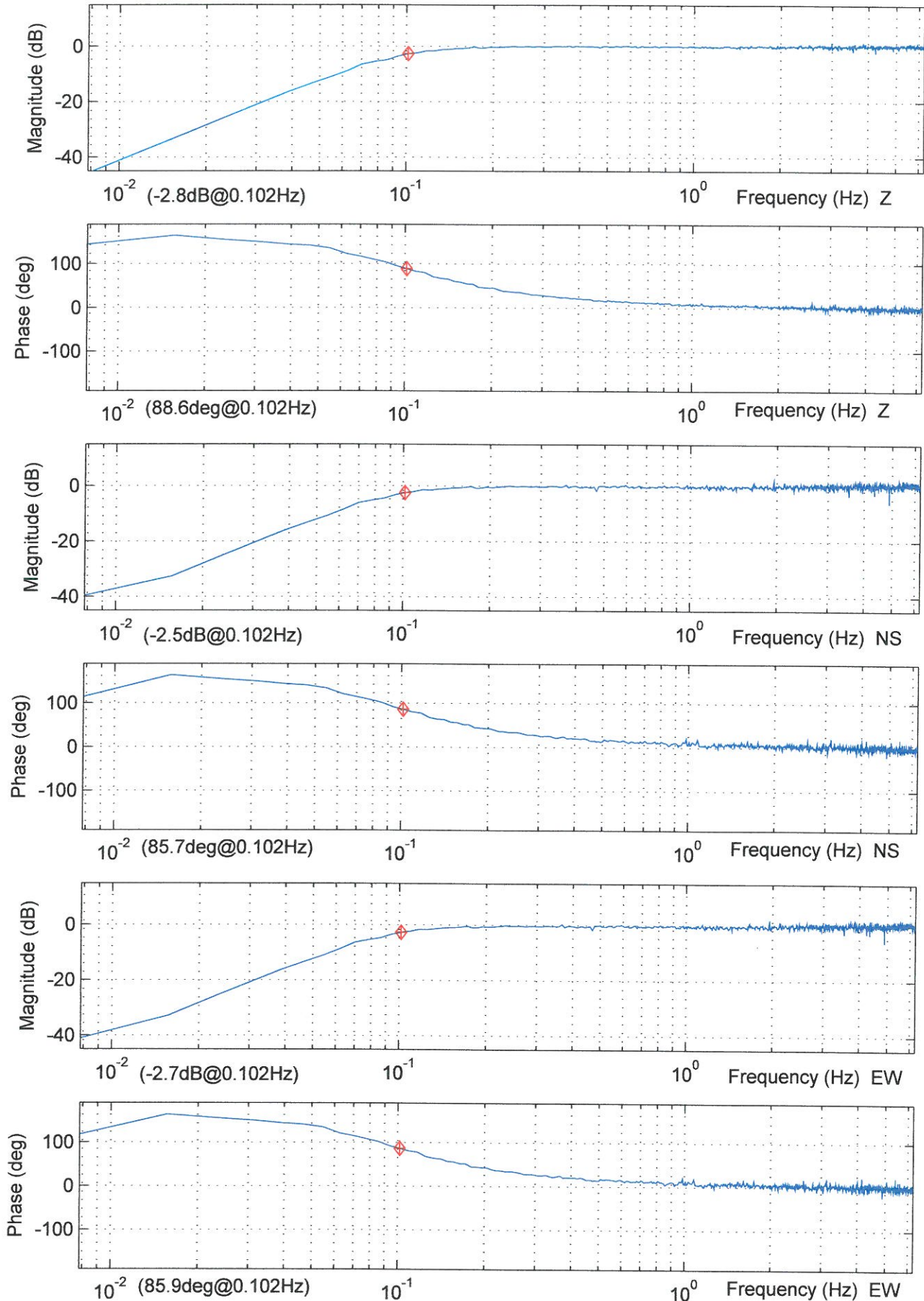
Power Consumption:	20mA @ +12V input
Calibration Resistor:	51000

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.

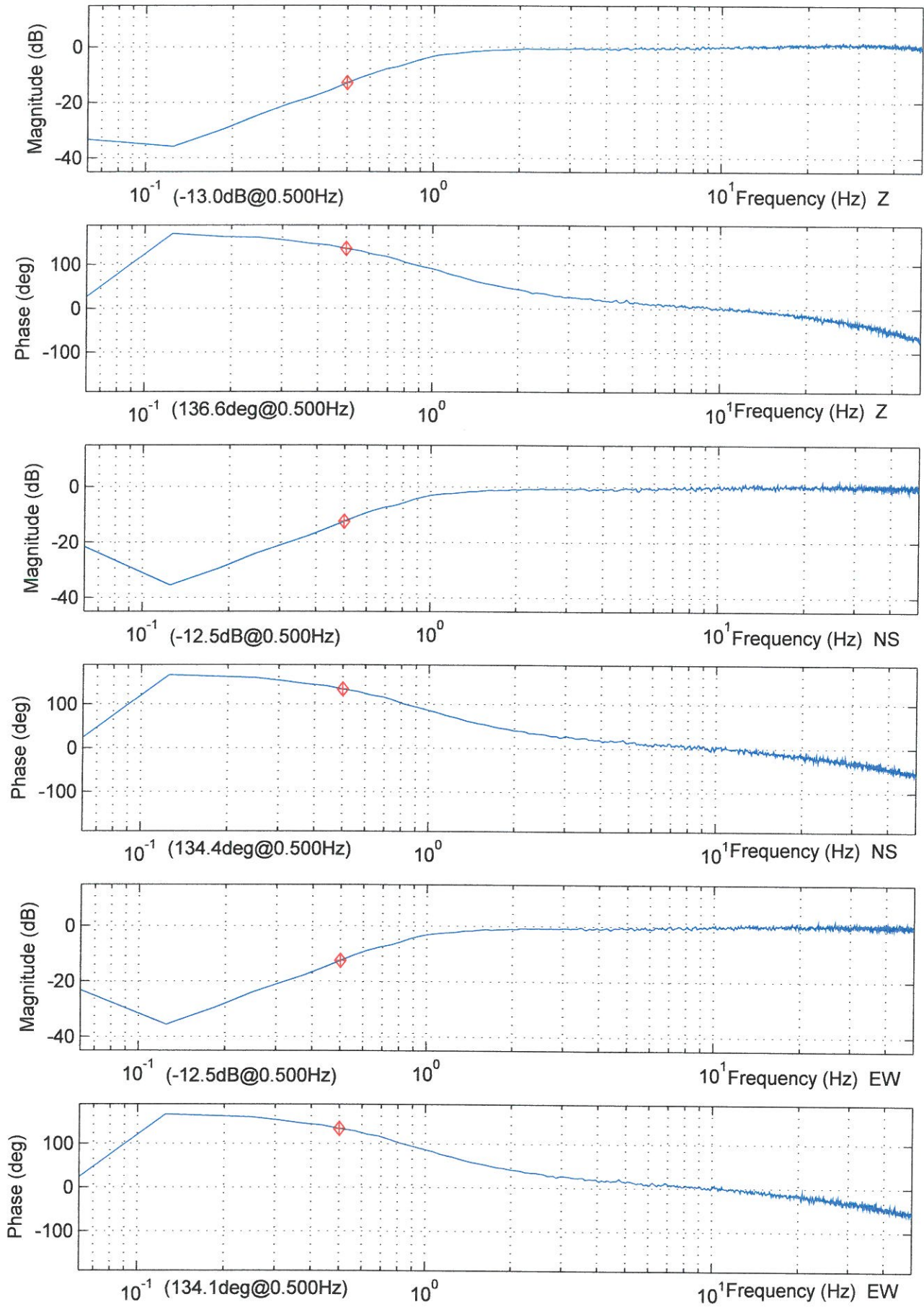
Calibration Information for : T6J69, 13072



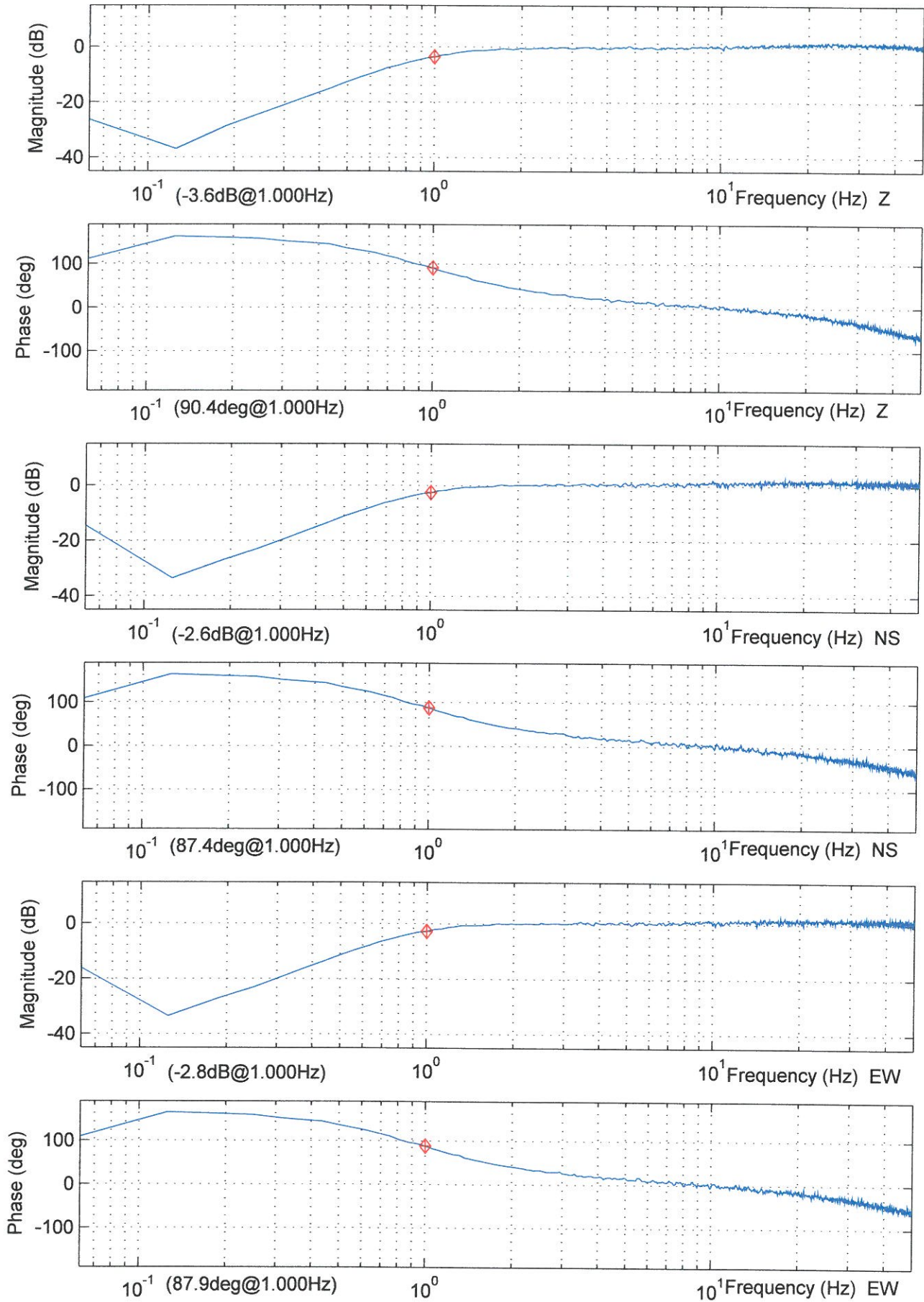
Normalized Frequency Response for : T6J69, 13072



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