



TEST AND CALIBRATION DATA

Short Period OBS System

Serial No. T6J70/A4414/5166

DESIGNED AND MANUFACTURED BY:

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DM24 CALIBRATION

WORKS ORDER: 13072

DIGITISER SERIAL NUMBER: A4414

SYSTEM ID: 13072
UNIT ID: 4414
OUTPUT DATA FORMAT: GCF
BAUD RATE: 38400

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

VELOCITY CHANNELS

| | | | |
|----------|--------|-------------|----------------------------------|
| Channel: | 4414Z2 | Vertical | 2.871 $\mu\text{V}/\text{Count}$ |
| | 4414N2 | North/South | 2.871 $\mu\text{V}/\text{Count}$ |
| | 4414E2 | East/West | 2.871 $\mu\text{V}/\text{Count}$ |

MASS POSITION CHANNELS

Sample Rate: 4 samples/sec (Default)

| | | | |
|----------|--------|-------------|------------------------------------|
| Channel: | 4414M8 | Vertical | 290.099 $\mu\text{V}/\text{Count}$ |
| | 4414M9 | North/South | 291.816 $\mu\text{V}/\text{Count}$ |
| | 4414MA | East/West | 291.363 $\mu\text{V}/\text{Count}$ |

Sample Rate: 1 samples/sec

| | | | |
|----------|--------|-------------|----------------------------------|
| Channel: | 4414M8 | Vertical | 2.266 $\mu\text{V}/\text{Count}$ |
| | 4414M9 | North/South | 2.280 $\mu\text{V}/\text{Count}$ |
| | 4414MA | East/West | 2.276 $\mu\text{V}/\text{Count}$ |

CAL SIGNAL MONITOR

| | |
|--------|----------------------------------|
| 4414X2 | 2.870 $\mu\text{V}/\text{Count}$ |
| 4414C2 | 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: | 4414MB | 290.334 $\mu\text{V}/\text{Count}$ |
| | 4414MC | 288.445 $\mu\text{V}/\text{Count}$ |
| | 4414MD | 290.248 $\mu\text{V}/\text{Count}$ |
| | 4414ME | 289.865 $\mu\text{V}/\text{Count}$ |
| | 4414MF | 291.213 $\mu\text{V}/\text{Count}$ |

Sample Rate: 1 samples/sec

| | | |
|----------|--------|----------------------------------|
| Channel: | 4414MB | 2.268 $\mu\text{V}/\text{Count}$ |
| | 4414MC | 2.253 $\mu\text{V}/\text{Count}$ |
| | 4414MD | 2.268 $\mu\text{V}/\text{Count}$ |
| | 4414ME | 2.265 $\mu\text{V}/\text{Count}$ |
| | 4414MF | 2.275 $\mu\text{V}/\text{Count}$ |

CMG-6TF CALIBRATION SHEET

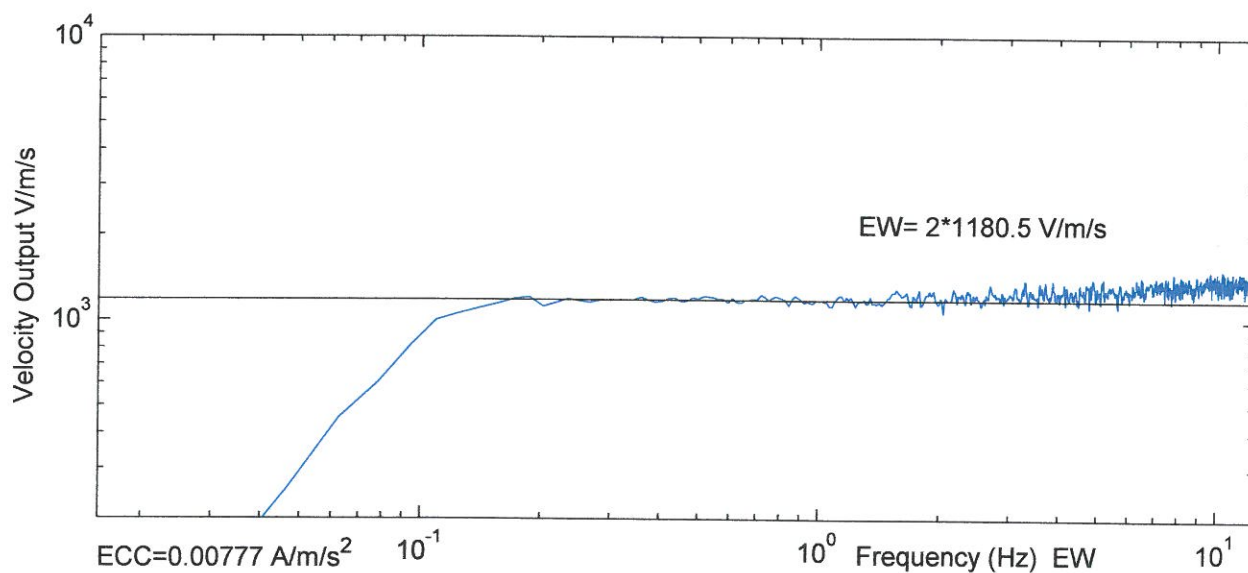
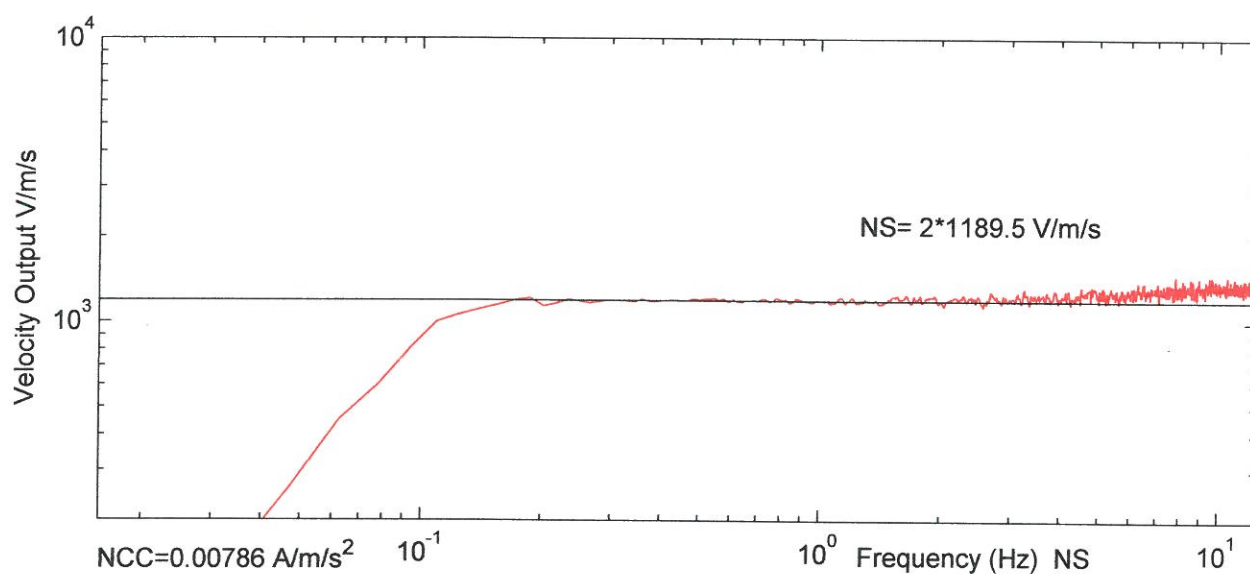
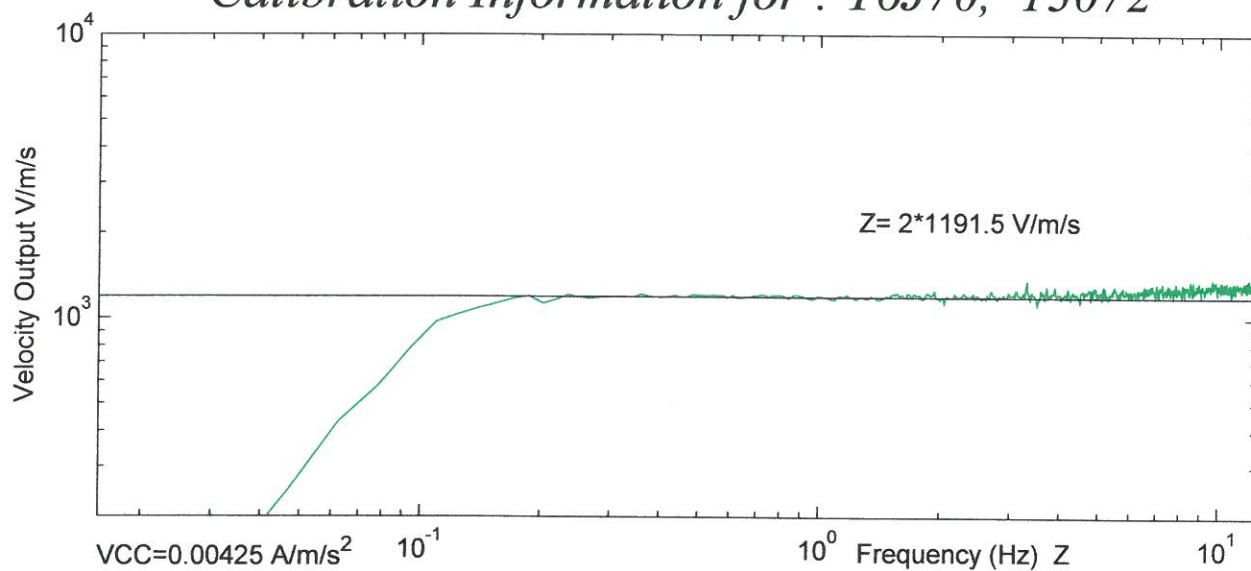
| | | | |
|----------------|-------|------------|-------------|
| WORKS ORDER: | 13072 | DATE: | 14-Mar-2013 |
| SERIAL NUMBER: | T6J70 | TESTED BY: | S. Goddard |

| | 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 1192 | 425 | 0.00425 |
| NORTH/SOUTH | 2 x 1189 | 401 | 0.00786 |
| EAST/WEST | 2 x 1180 | 396 | 0.00777 |

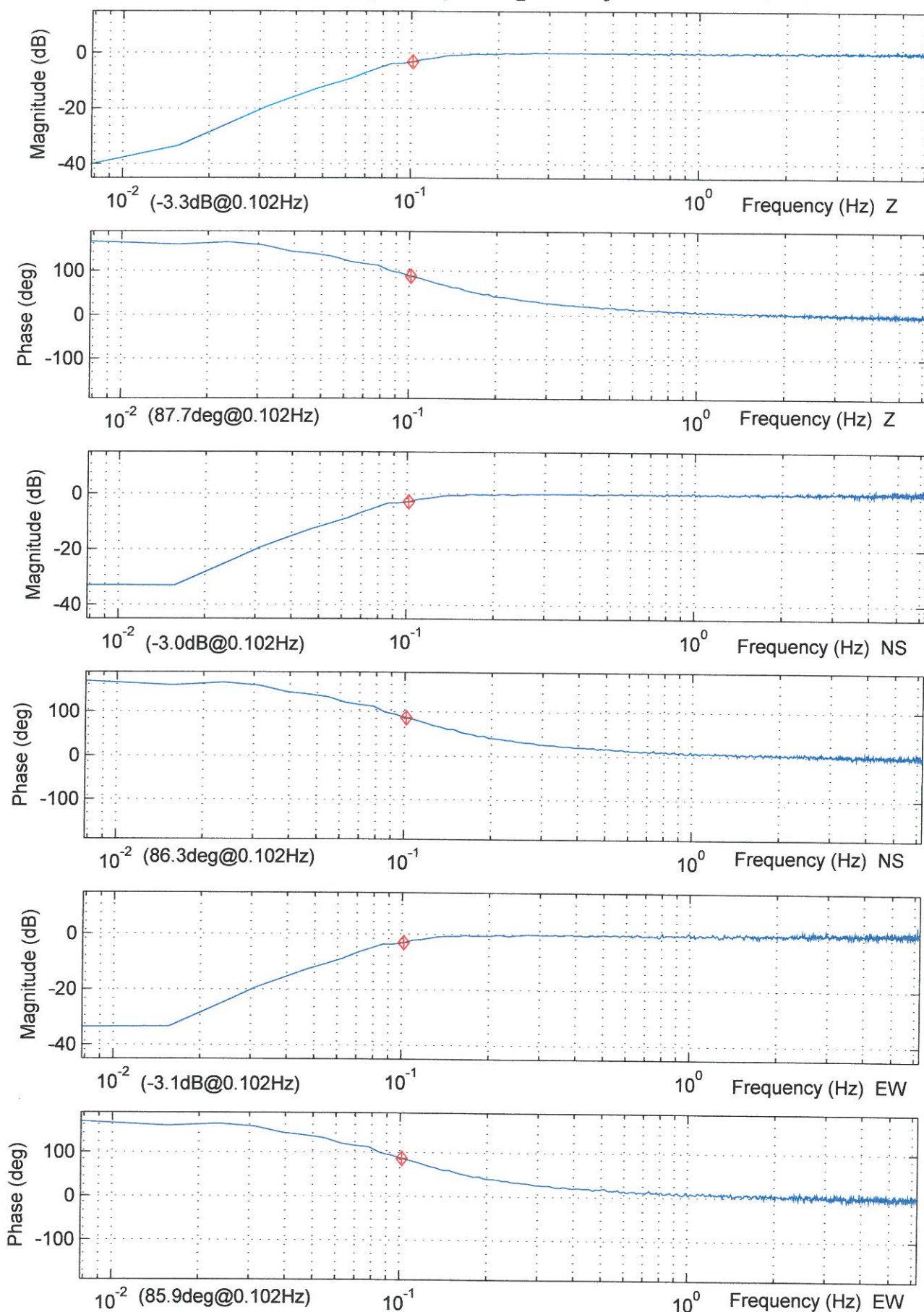
Power Consumption: 20mA @ +12V input
Calibration Resistor: 51000

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.

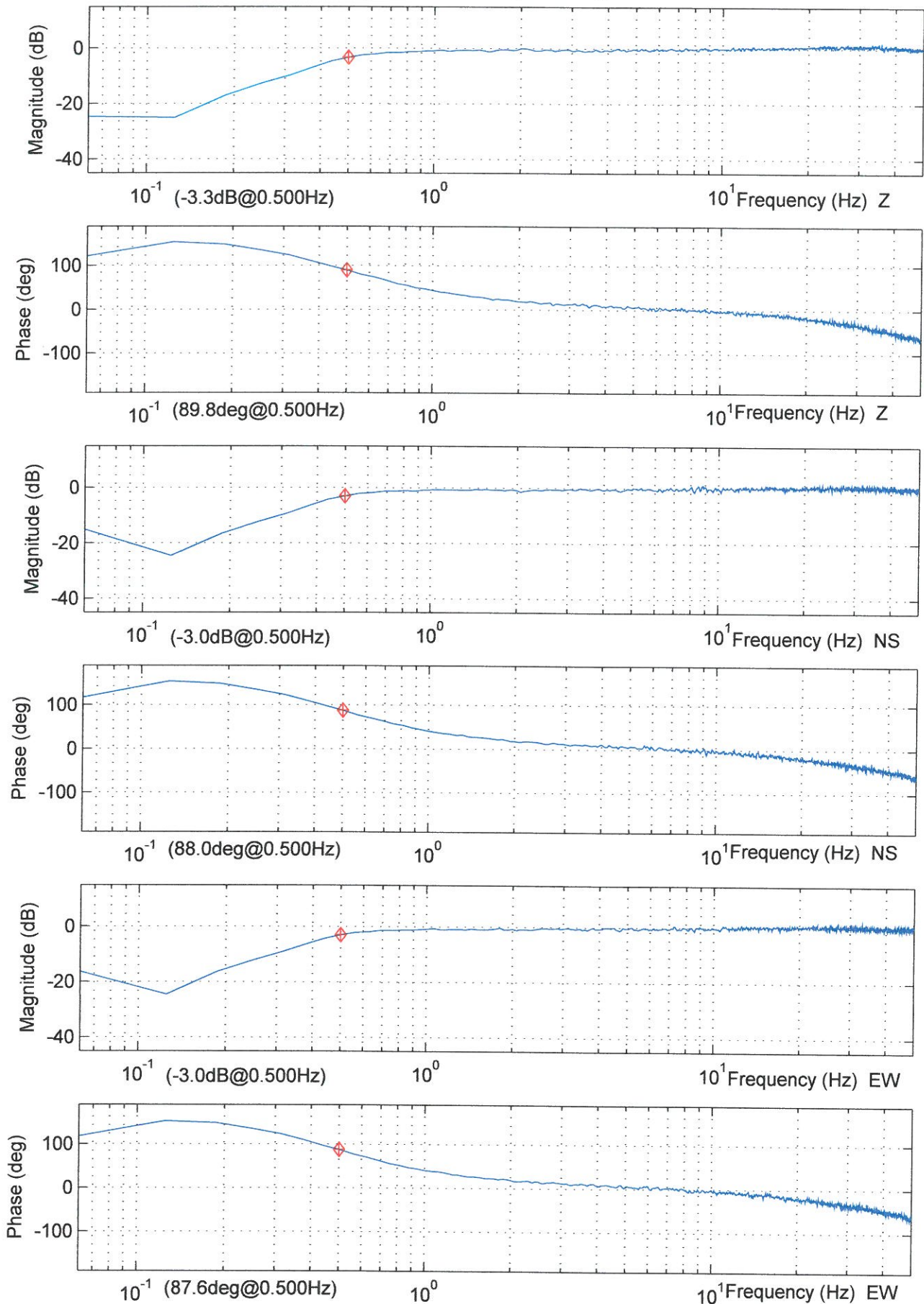
Calibration Information for : T6J70, 13072



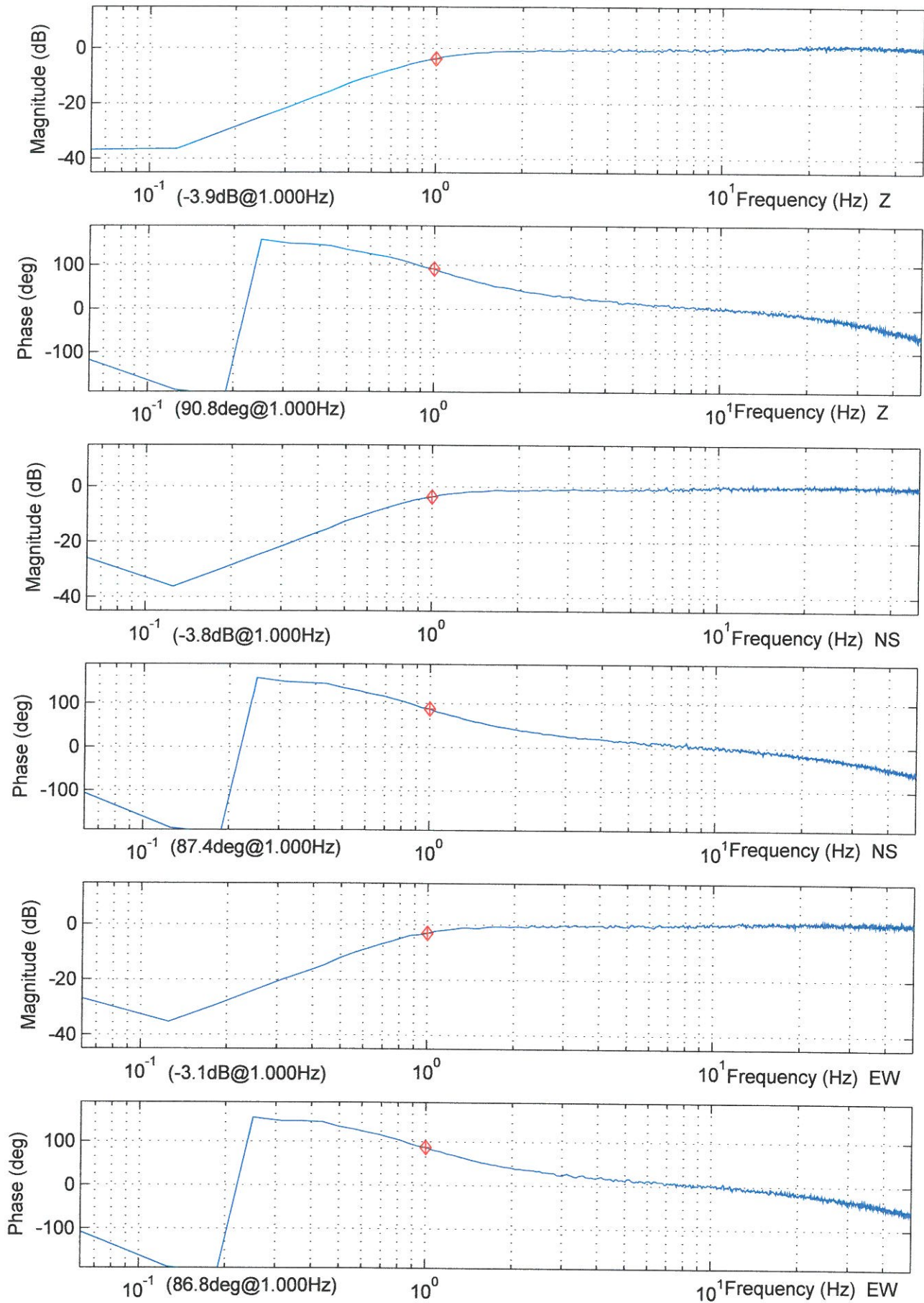
Normalized Frequency Response for : T6J70, 13072



Normalized Frequency Response for : T6J70, 13072



Normalized Frequency Response for : T6J70, 13072



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