TEST AND CALIBRATION DATA

Short Period OBS System

Serial No. T6J71/A4333/5167

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:** A4333

SYSTEM ID:	13072	CPLD:	A0.E1
UNIT ID:	4333	BOOTLOADER:	MK3BOOT213.IMG
OUTPUT DATA FORMAT:	GCF	DSP SOFTWARE:	DSP1090.BIN
BAUD RATE:	38400	SYSTEM:	DMNET106b57d.IMG

VELOCITY CHANNELS

Channel:	4333Z2	Vertical	2.873 µV/Count
	4333N2	North/South	2.874 µV/Count
	4333E2	East/West	2.875 µV/Count

MASS POSITION CHANNELS

Sample Rate: 4 samples/sec (Default)

Channel:	4333M8	Vertical	290.658 µV/Count
	4333M9	North/South	290.081 µV/Count
	4333MA	East/West	290.487 µV/Count

Sample Rate: 1 samples/sec

Channel:	4333M8	Vertical	2.271 µV/Count
	4333M9	North/South	2.266 µV/Count
	4333MA	East/West	2.269 µV/Count

CAL SIGNAL MONITOR

4333X2	2.873 µV/Count
4333C2	0.424 µV/Count

GPS RECEIVER

PWM:	8000 Counts
At Temperature Reading:	23°C

POWER CONSUMPTION

Digitiser Power Consumption	80mA @ 12v
GPS Power Consumption	28mA @ 12v

AUXILIARY CHANNELS

Sample Rate: 4 samples/sec (Default)

Channel:		
	4333MB	291.431 µV/Count
	4333MC	290.466 µV/Count
	4333MD	290.337 µV/Count
	4333ME	290.508 µV/Count
	4333MF	289.294 µV/Count

Sample Rate: 1 samples/sec

Channel:		
	4333MB	2.277 µV/Count
	4333MC	2.269 µV/Count
	4333MD	2.268 µV/Count
	4333ME	2.270 µV/Count
	4333MF	2.260 µV/Count

CMG-6TF CALIBRATION SHEET

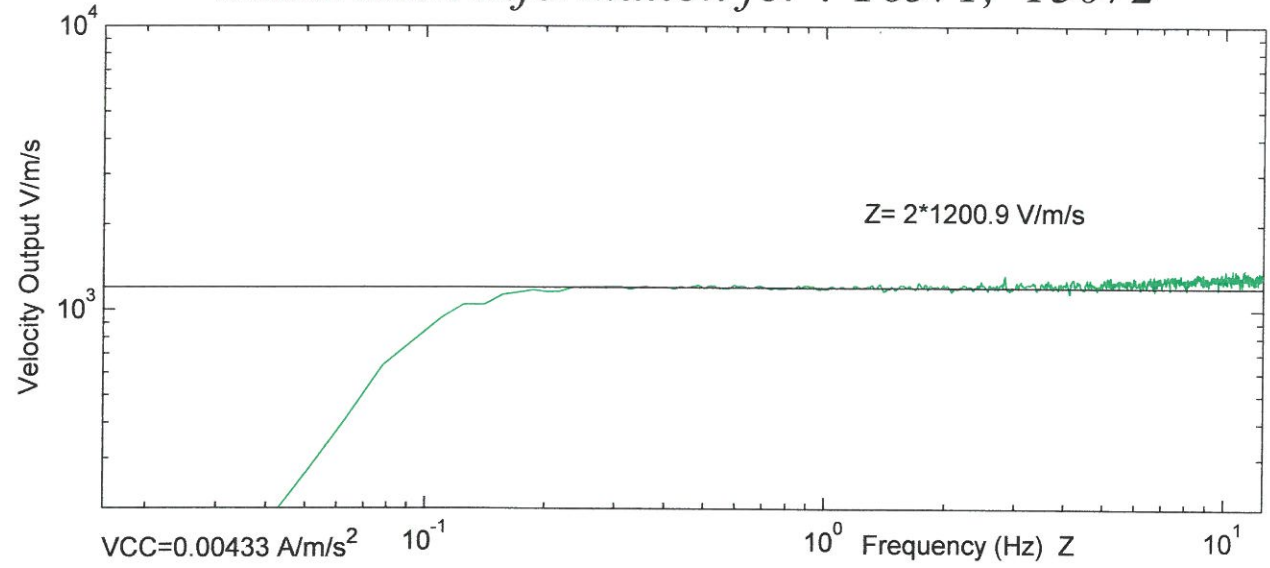
WORKS ORDER:	13072	DATE:	14-Mar-2013
SERIAL NUMBER:	T6J71	TESTED BY:	S. Goddard

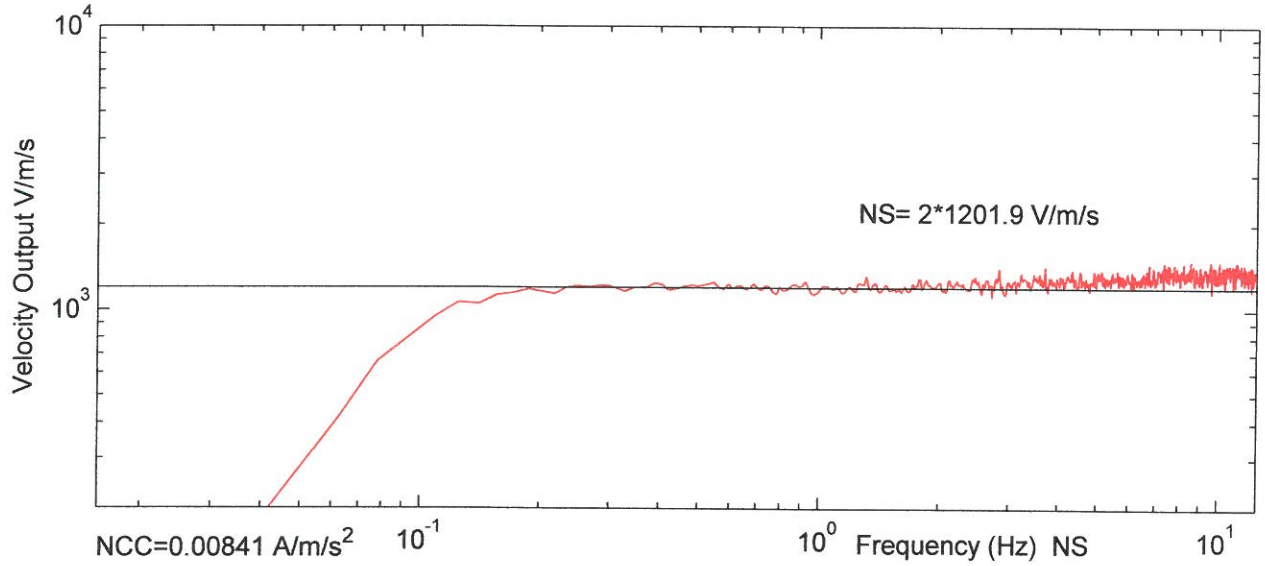
	Velocity Output V/m/s (Differential)	Mass Position Output (Acceleration output) $V/m/s^2$	Feedback Coil Constant $Amp/m/s^2$
VERTICAL	2 x 1201	433	0.00433
NORTH/SOUTH	2 x 1202	429	0.00841
EAST/WEST	2 x 1203	425	0.00833

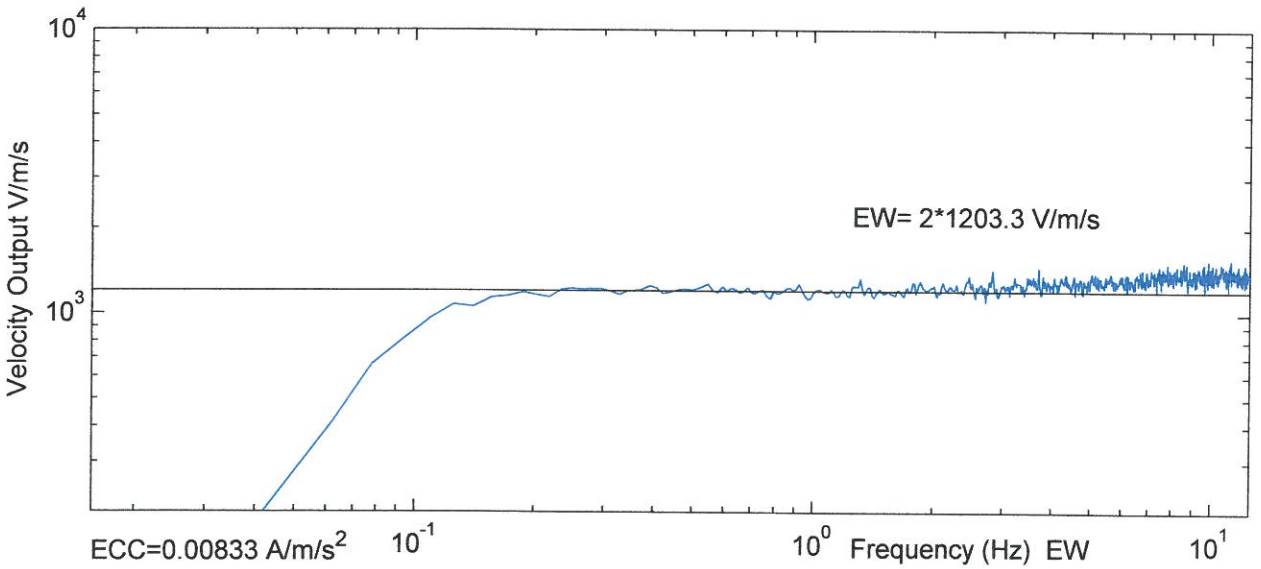
Power Consumption: 20mA @ +12V input
Calibration Resistor: 51000

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 : T6J71, 13072



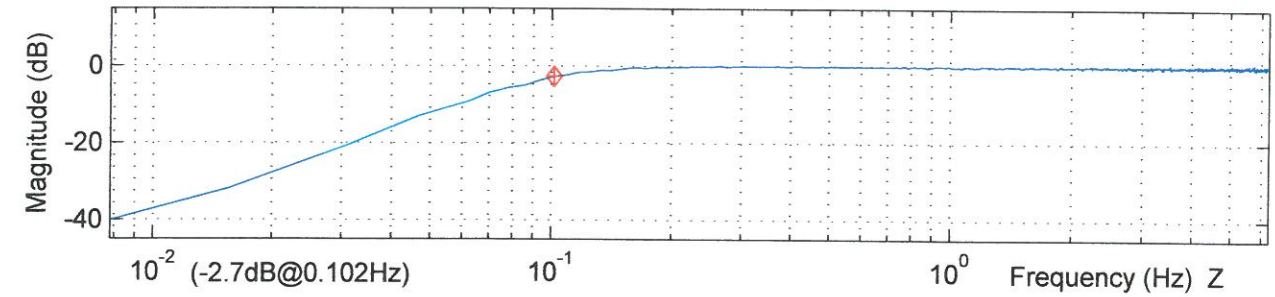


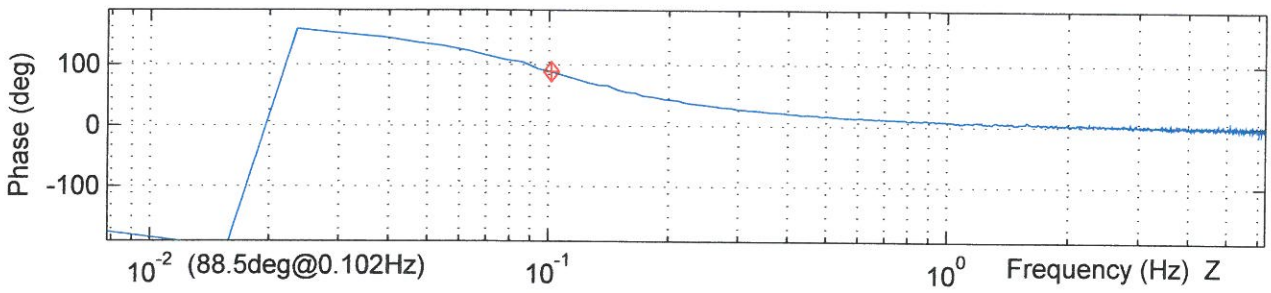


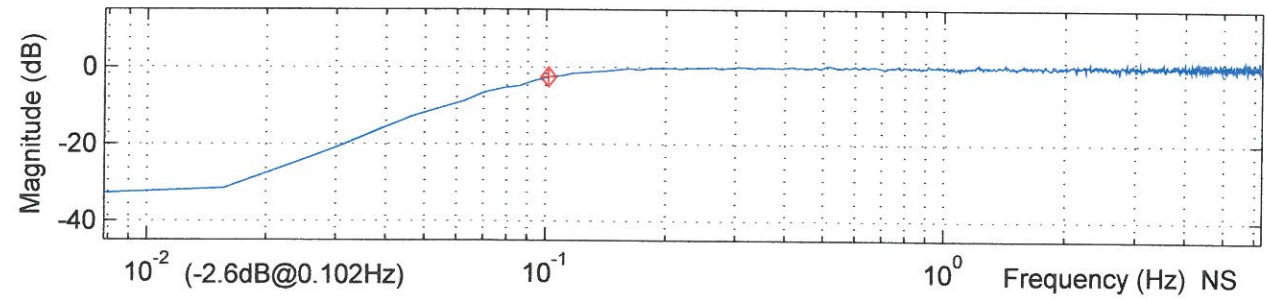
RCal =51000 Ohms

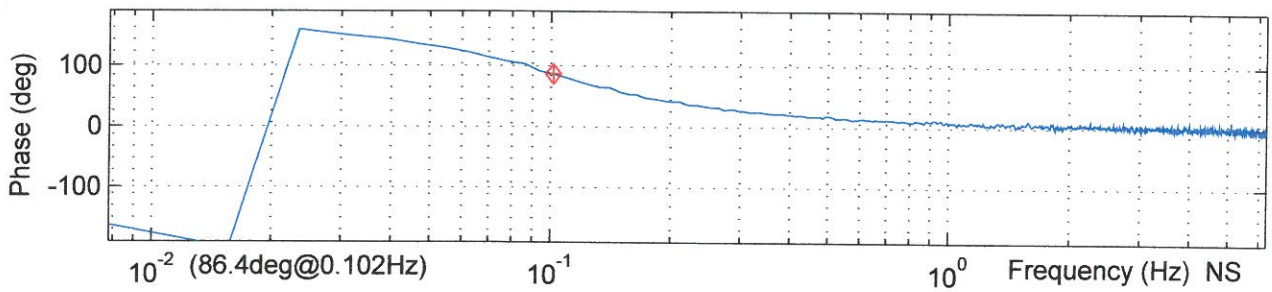
14-Mar-2013

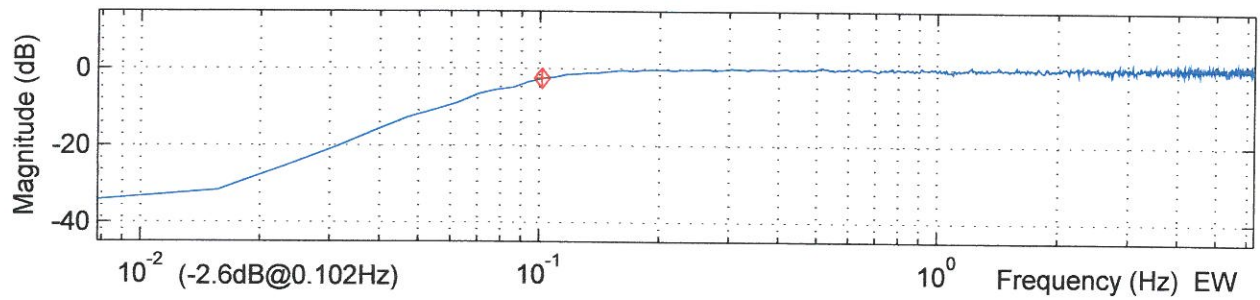
Normalized Frequency Response for : T6J71, 13072

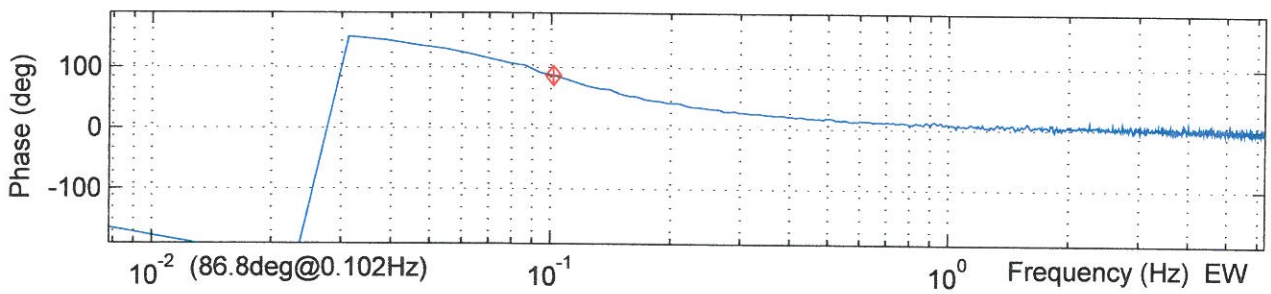












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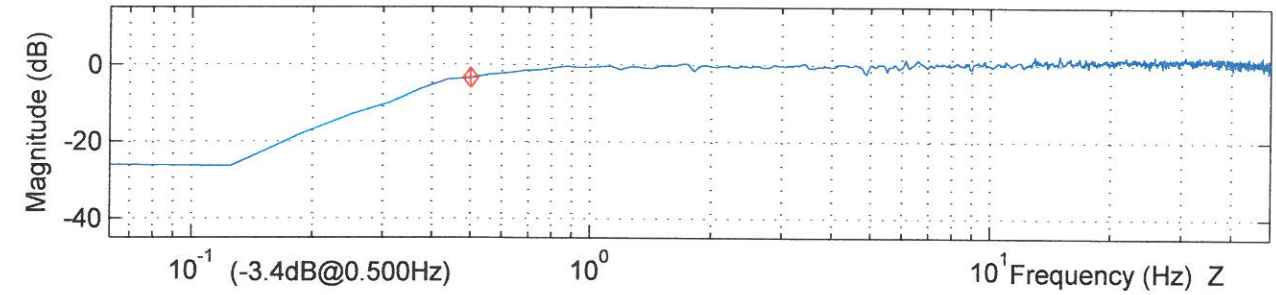

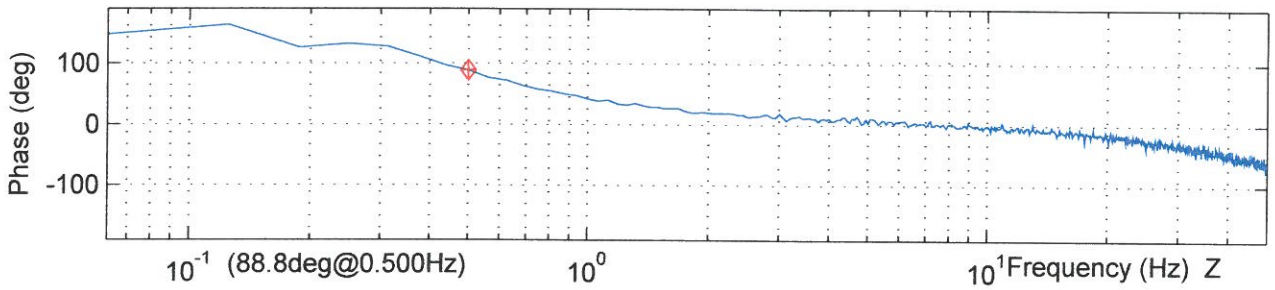

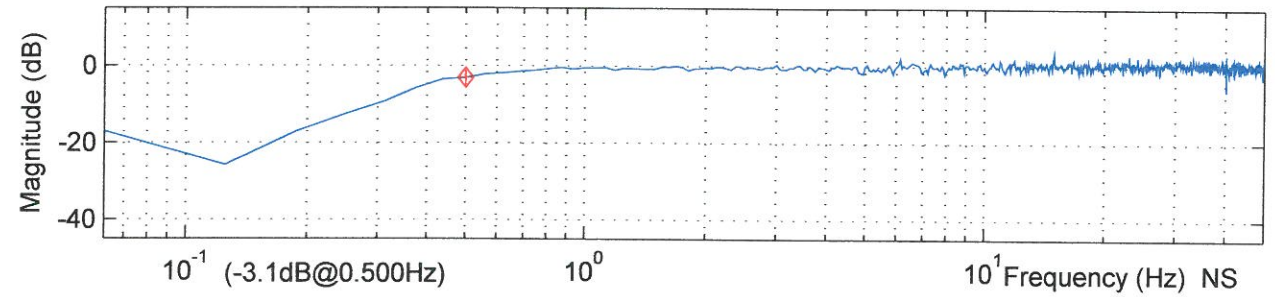

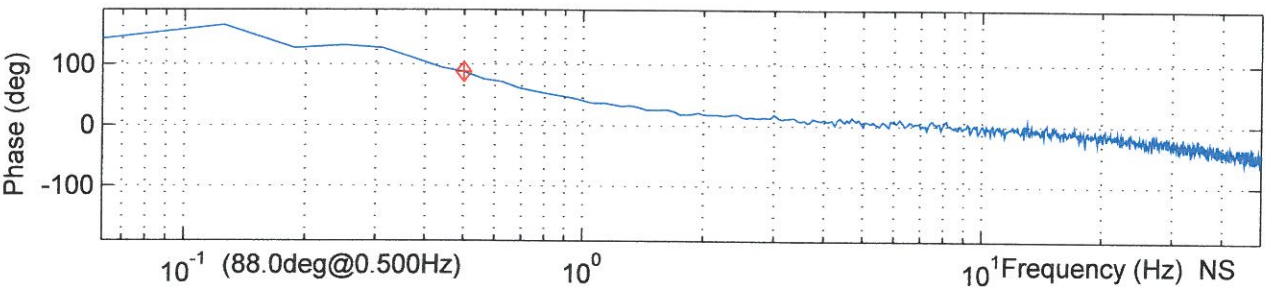

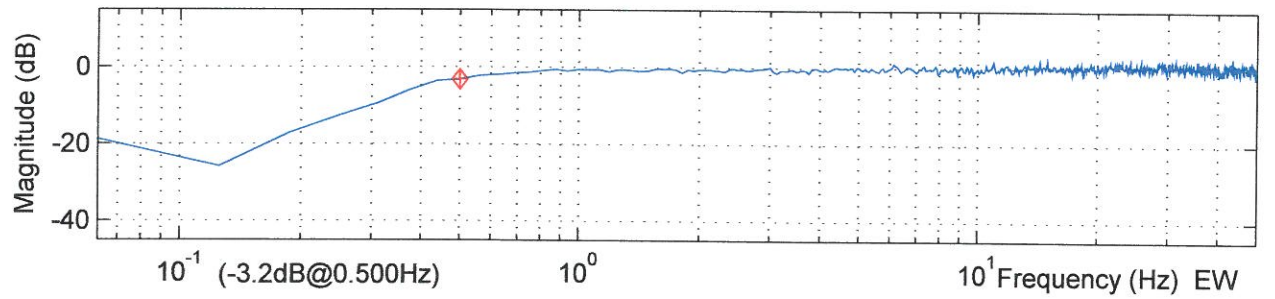

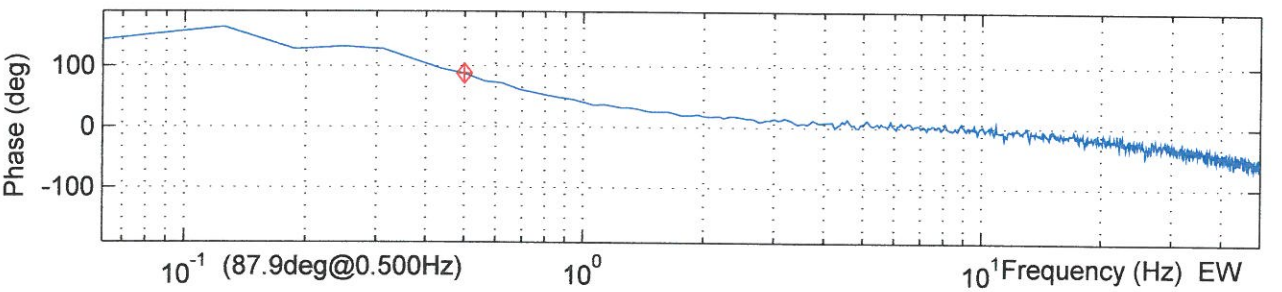

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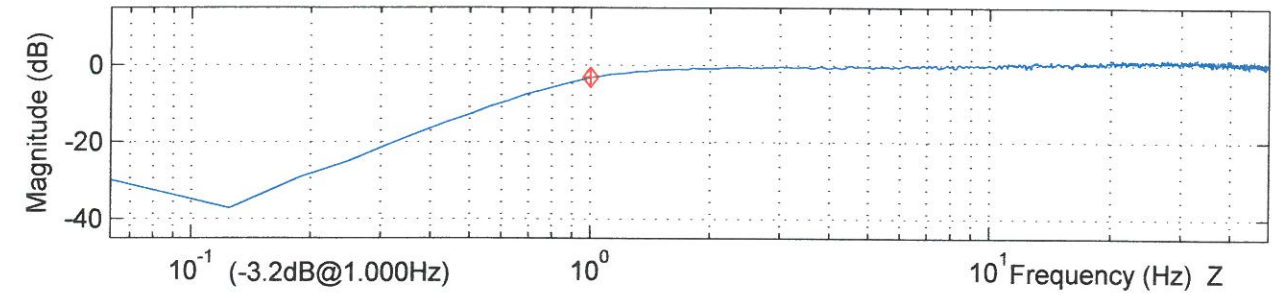

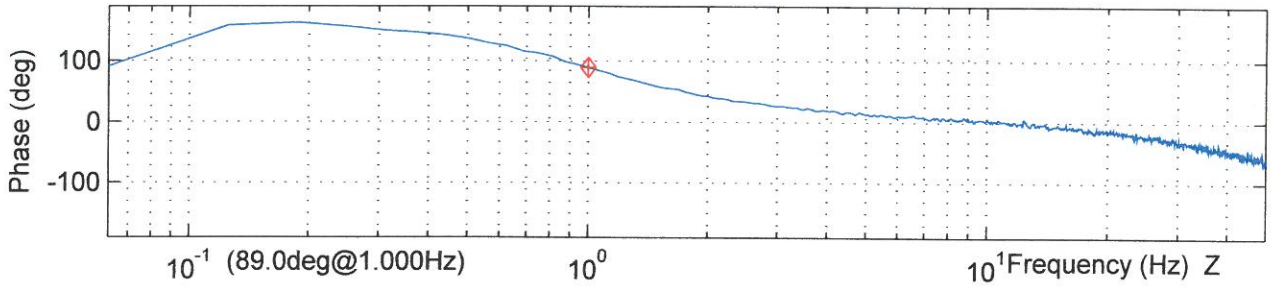

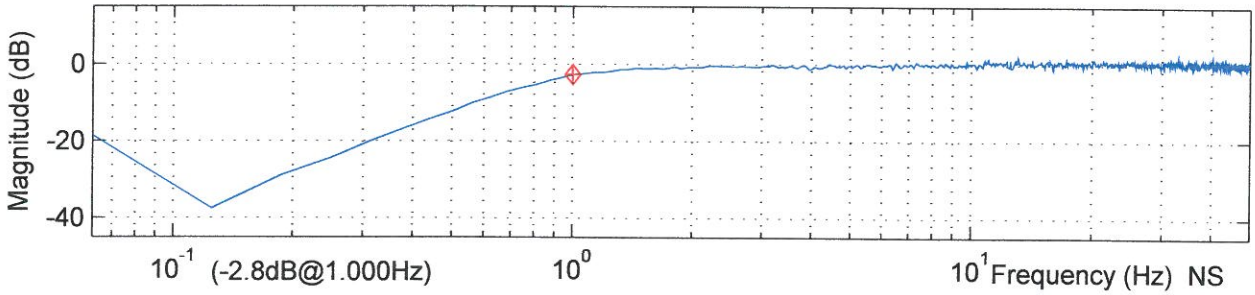

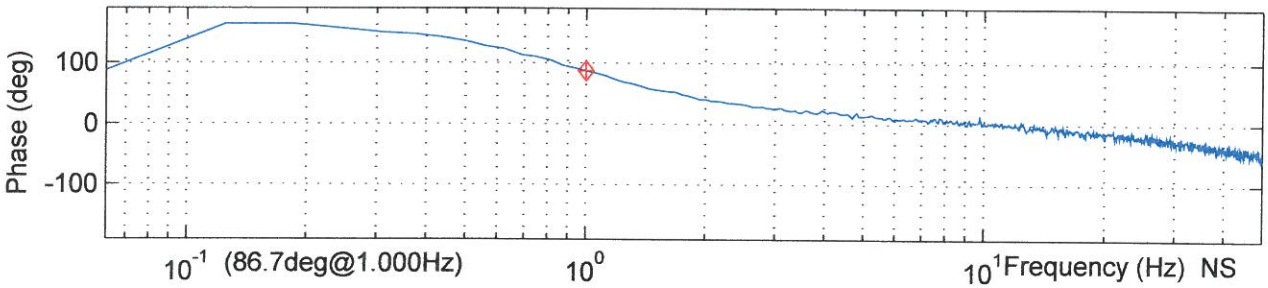

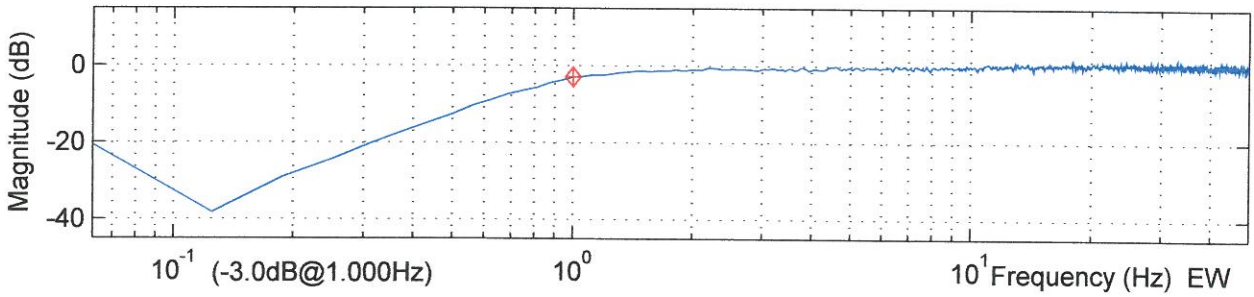

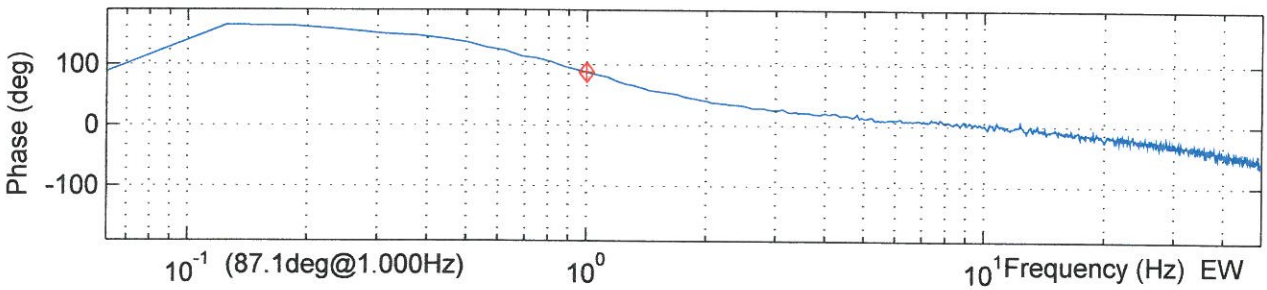

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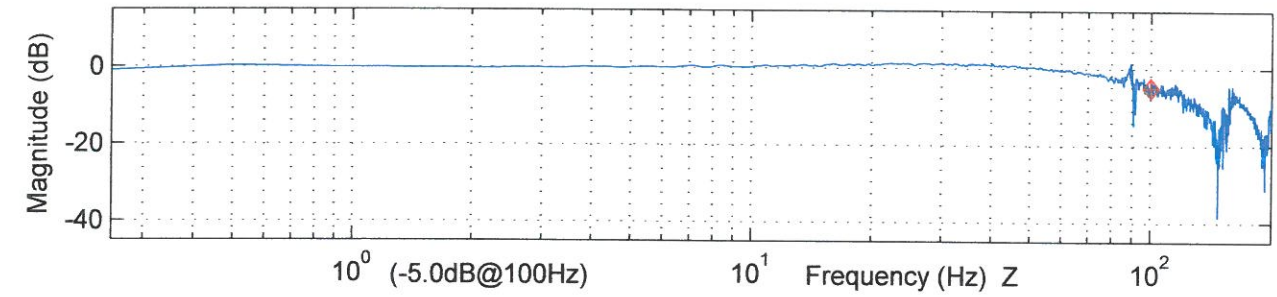

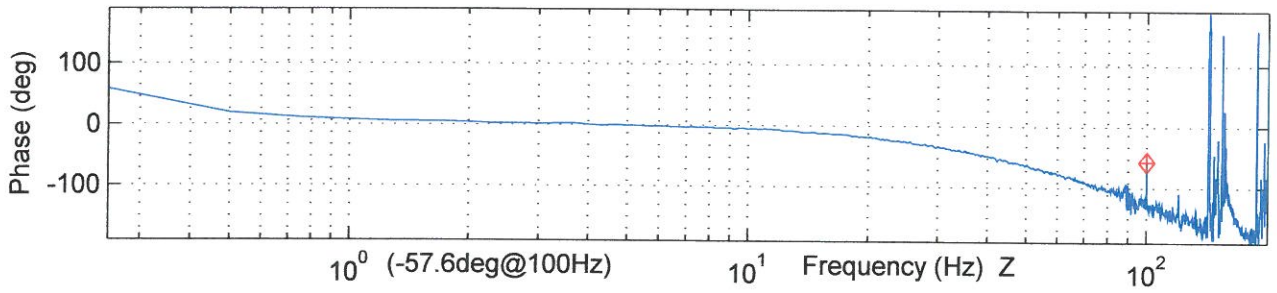

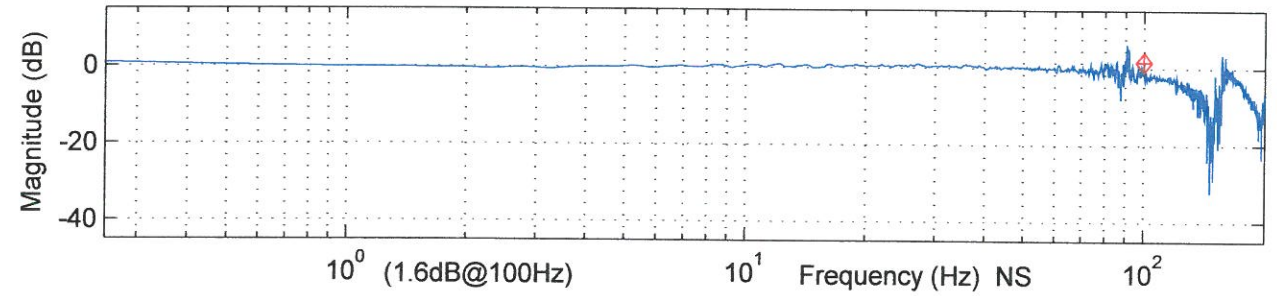

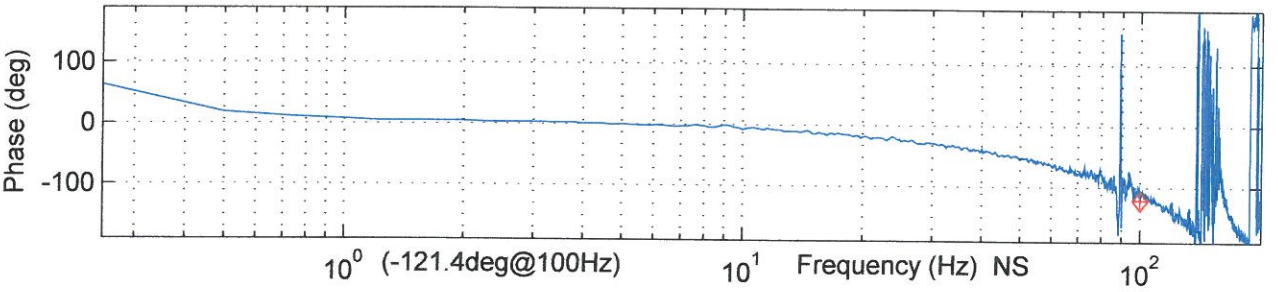

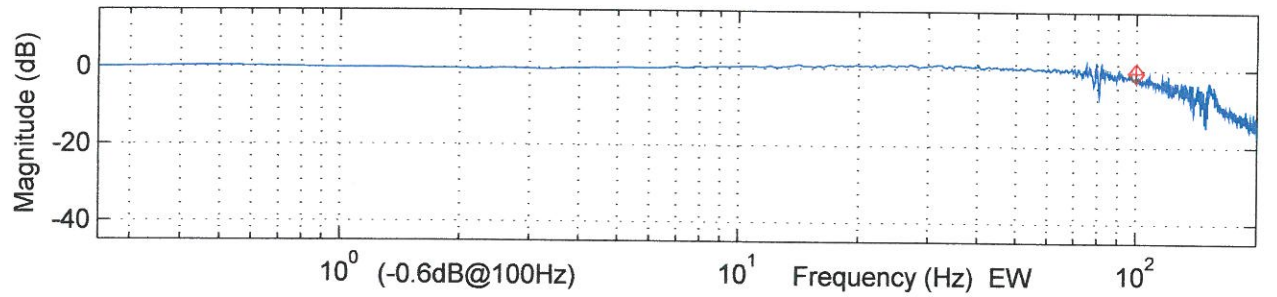

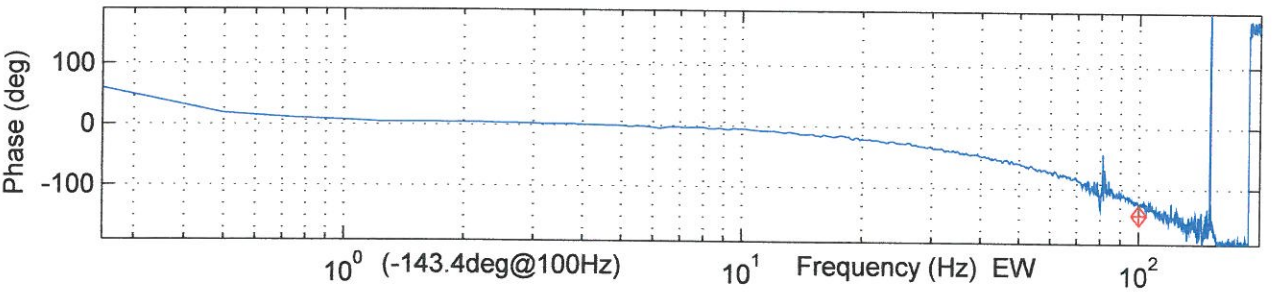

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