TEST AND CALIBRATION DATA

Short Period OBS System

Serial No. T6J67/A4335/5163

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: 13071 **DIGITISER SERIAL NUMBER:** A4335

SYSTEM ID:	13071	CPLD:	A0.E1
UNIT ID:	4335	BOOTLOADER:	MK3BOOT213.IMG
OUTPUT DATA FORMAT:	GCF	DSP SOFTWARE:	DSP1090.BIN
BAUD RATE:	38400	SYSTEM:	DMNET106b57d.IMG

VELOCITY CHANNELS

Channel:			
	4335Z2	Vertical	2.873 µV/Count
	4335N2	North/South	2.874 µV/Count
	4335E2	East/West	2.880 µV/Count

MASS POSITION CHANNELS

Sample Rate: 4 samples/sec (Default)

Channel:			
	4335M8	Vertical	290.317 µV/Count
	4335M9	North/South	290.466 µV/Count
	4335MA	East/West	290.787 µV/Count

Sample Rate: 1 samples/sec

Channel:			
	4335M8	Vertical	2.268 µV/Count
	4335M9	North/South	2.269 µV/Count
	4335MA	East/West	2.272 µV/Count

CAL SIGNAL MONITOR

4335X2	2.876 µV/Count
4335C2	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:		
	4335MB	290.231 µV/Count
	4335MC	290.552 µV/Count
	4335MD	291.002 µV/Count
	4335ME	290.873 µV/Count
	4335MF	290.189 µV/Count

Sample Rate: 1 samples/sec

Channel:		
	4335MB	2.267 µV/Count
	4335MC	2.270 µV/Count
	4335MD	2.273 µV/Count
	4335ME	2.272 µV/Count
	4335MF	2.267 µV/Count

CMG-6TF CALIBRATION SHEET

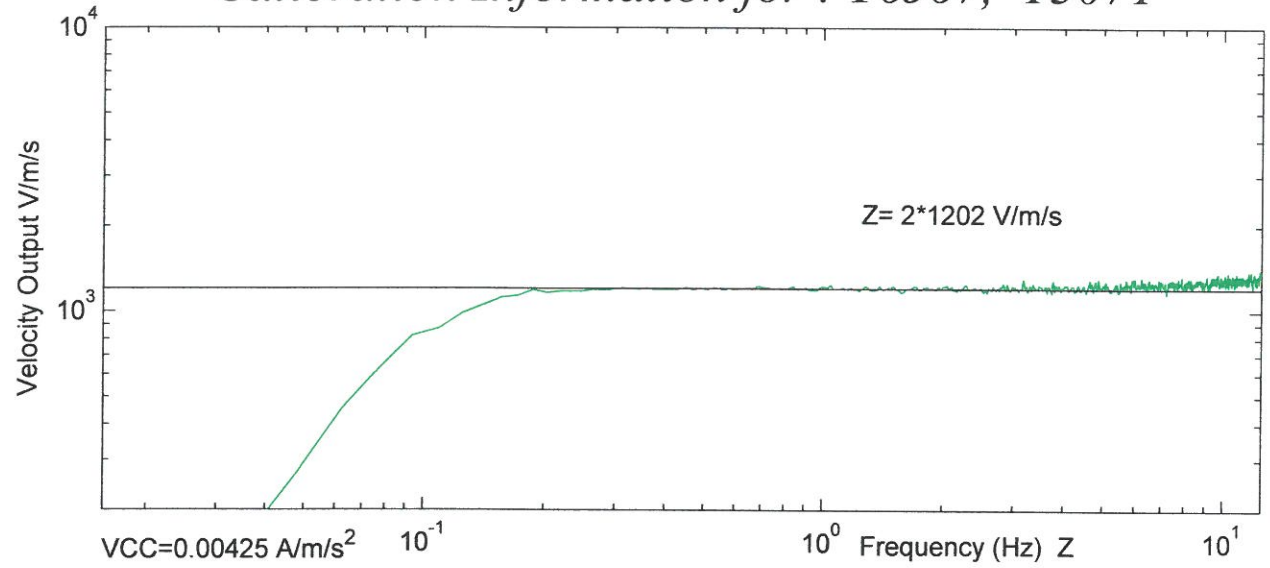
WORKS ORDER:	13071	DATE:	30-Apr-2013
SERIAL NUMBER:	T6J67	TESTED BY:	S. Goddard

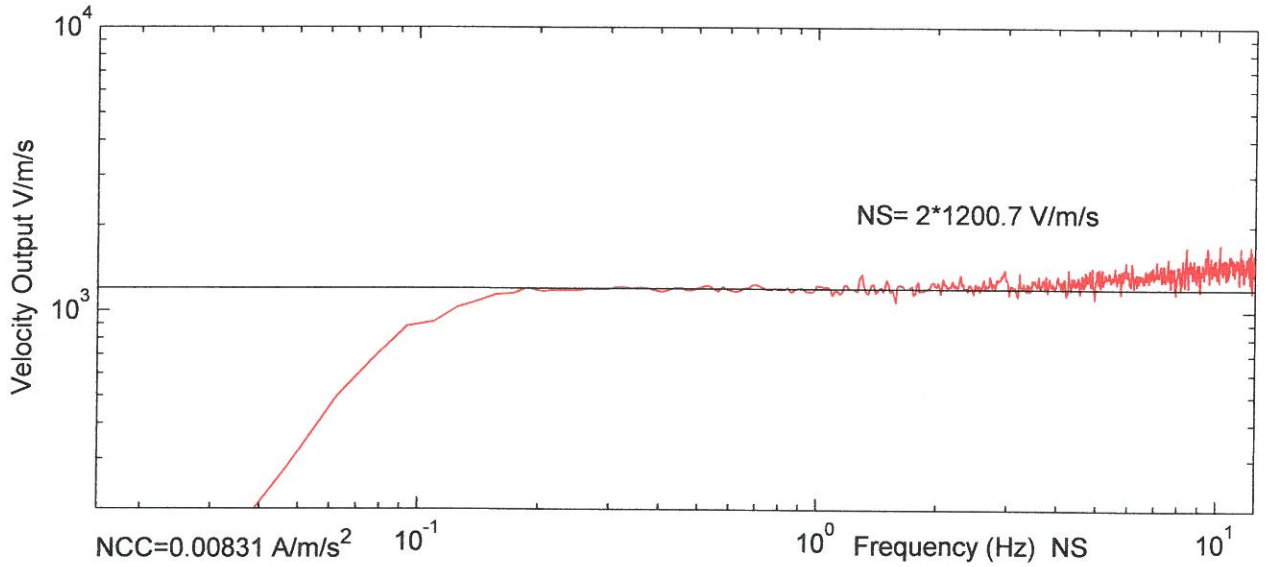
	Velocity Output V/m/s (Differential)	Mass Position Output (Acceleration output) $V/m/s^2$	Feedback Coil Constant $Amp/m/s^2$
VERTICAL	2 x 1202	425	0.00425
NORTH/SOUTH	2 x 1201	424	0.00831
EAST/WEST	2 x 1214	413	0.00809

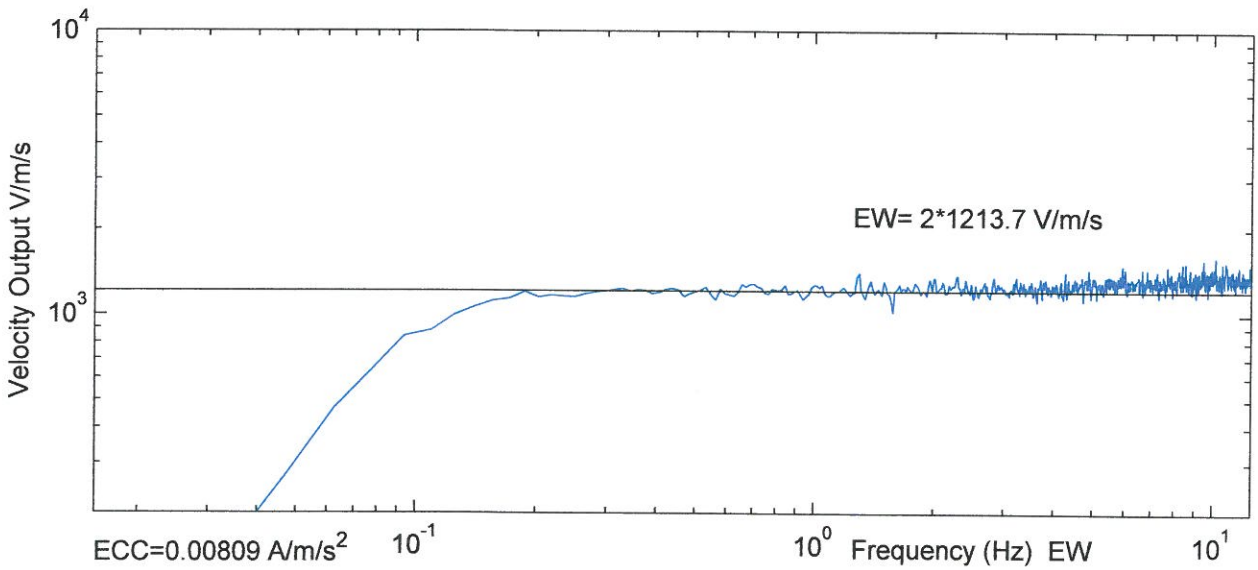
Power Consumption: 20mA @ +12V input
Calibration Resistor: 51000

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 : T6J67, 13071



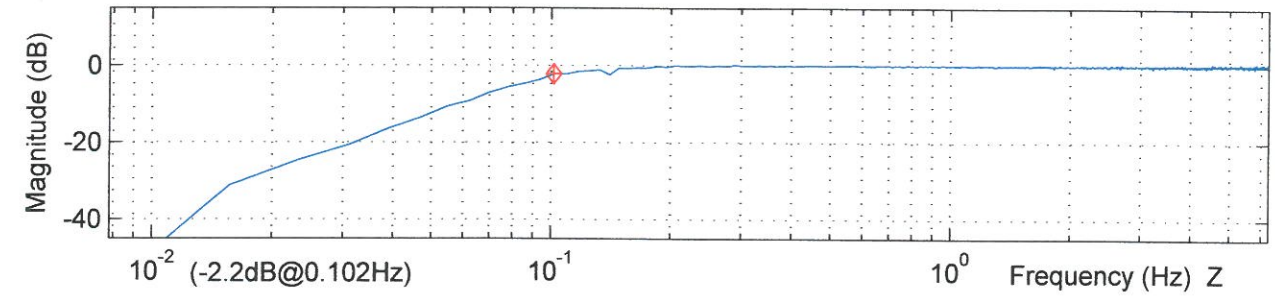


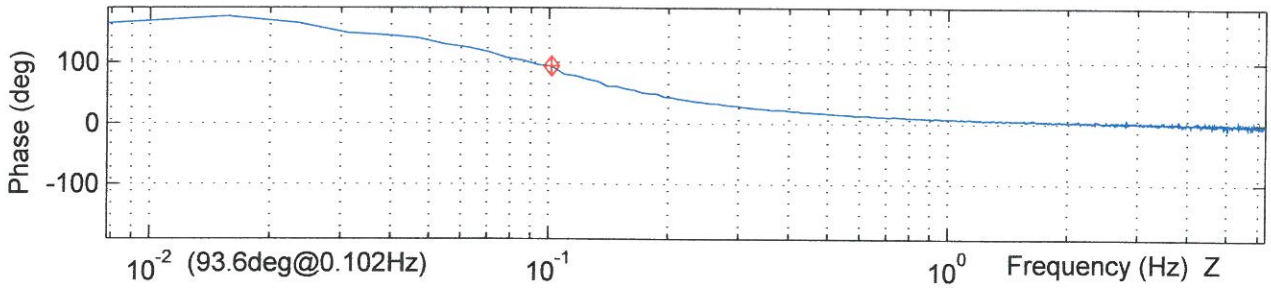


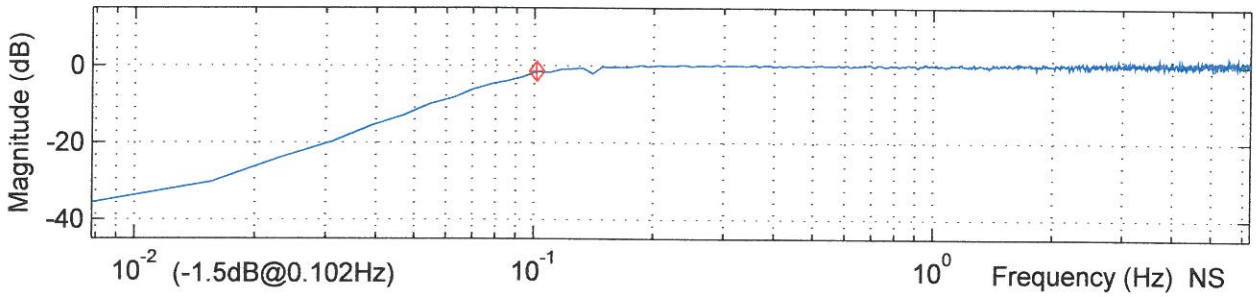
RCal =51000 Ohms

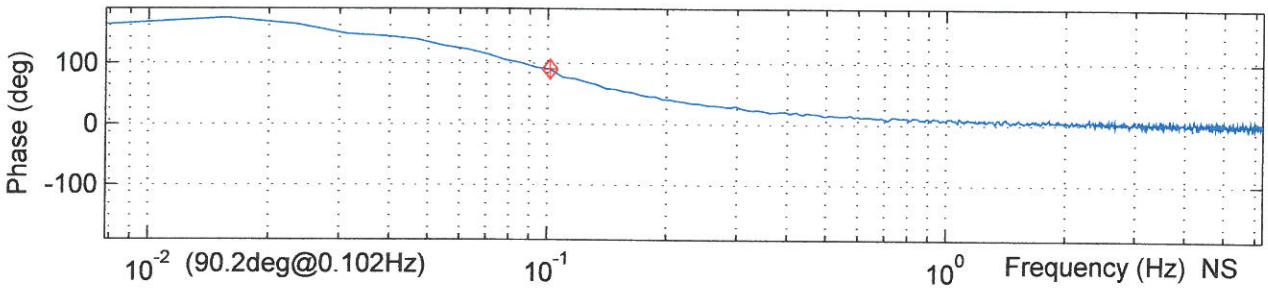
30-Apr-2013

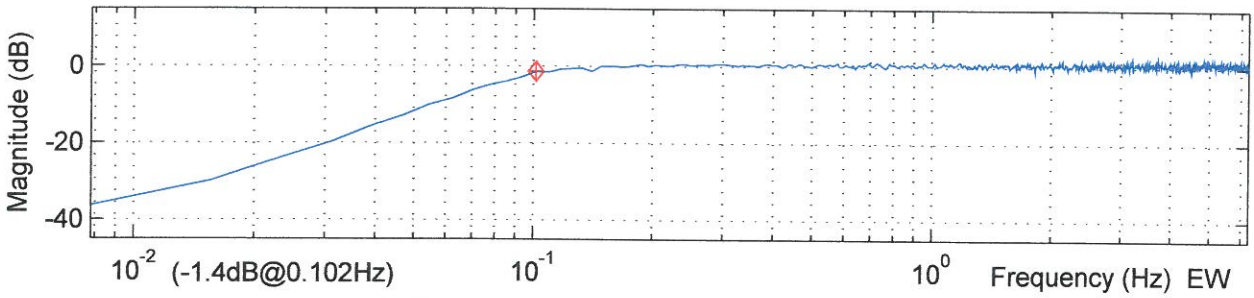
Normalized Frequency Response for : T6J67, 13071

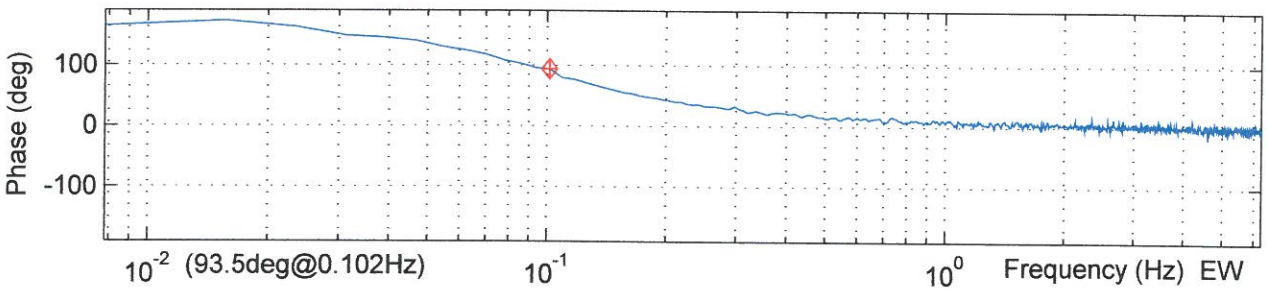






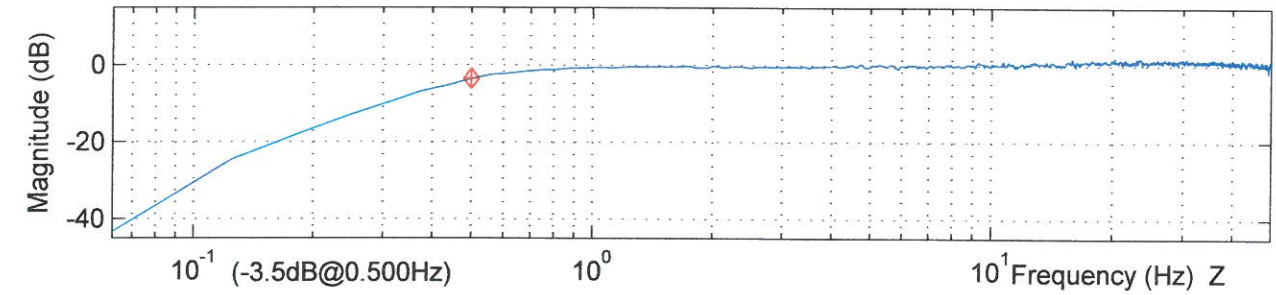


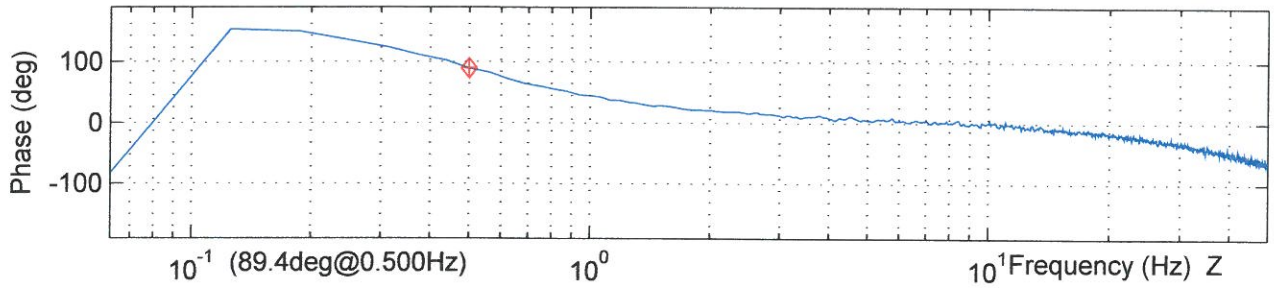


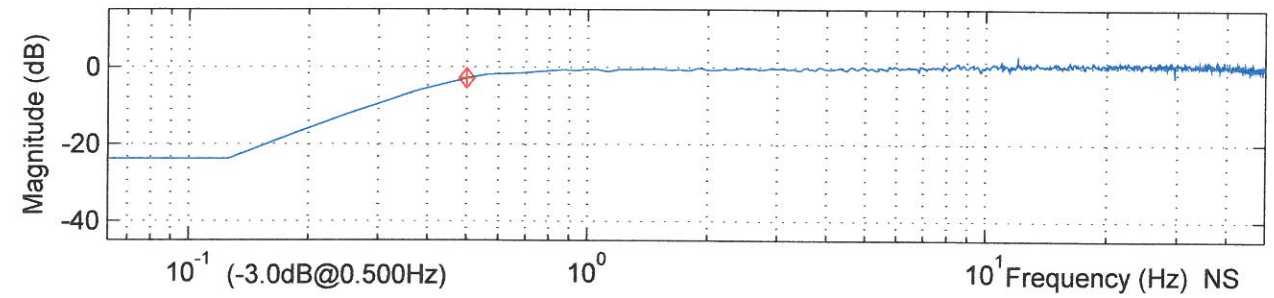


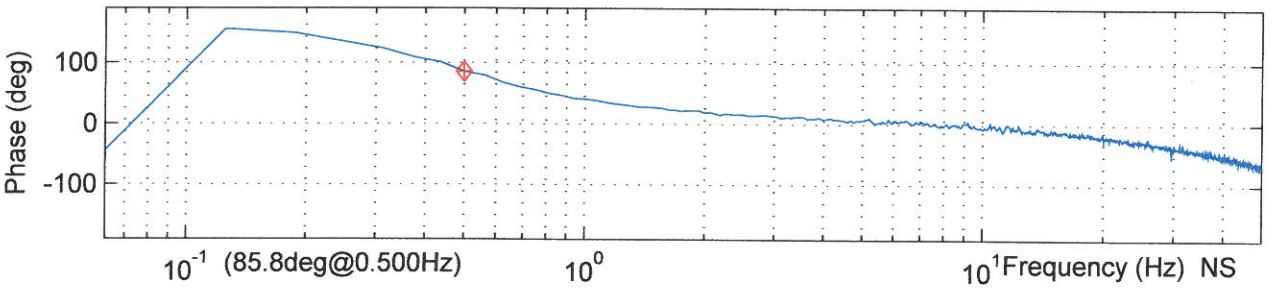
14-Mar-2013

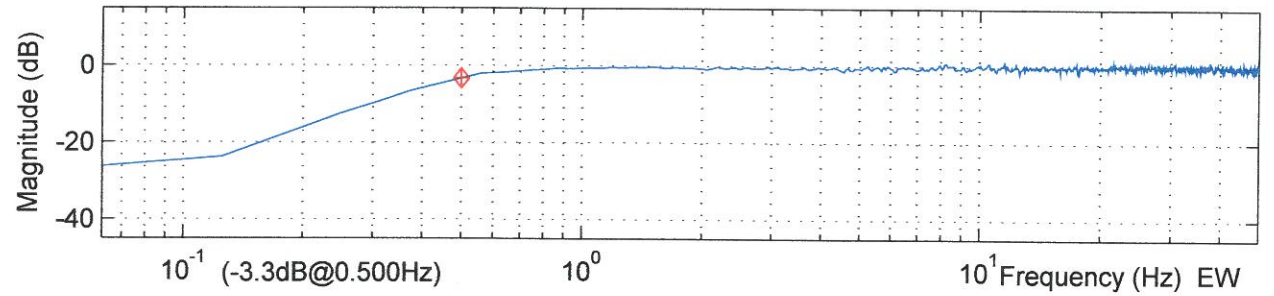
Normalized Frequency Response for : T6J67, 13071

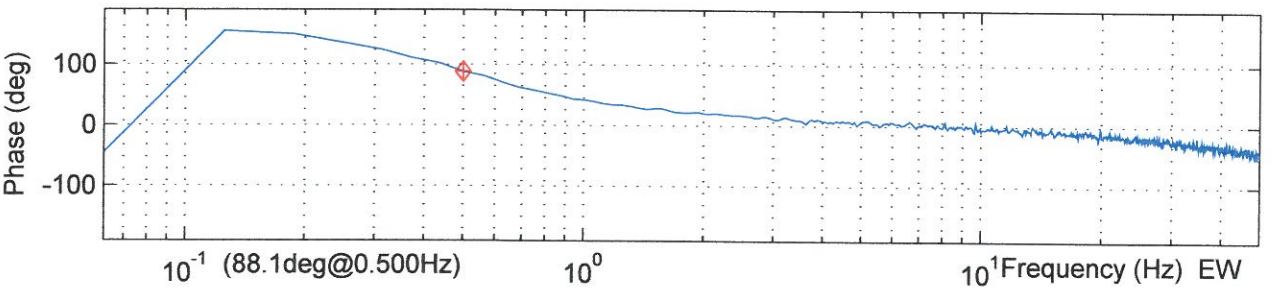






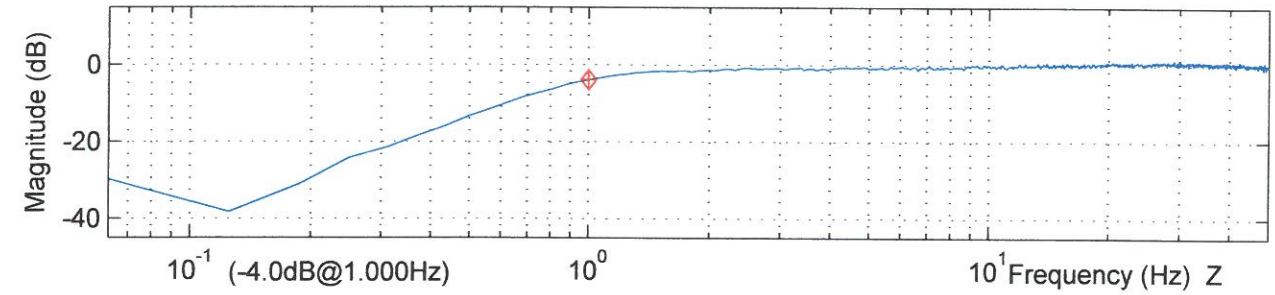


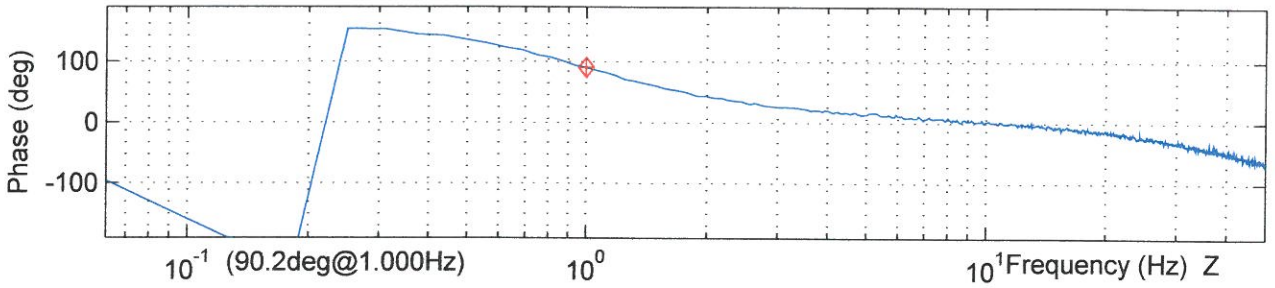


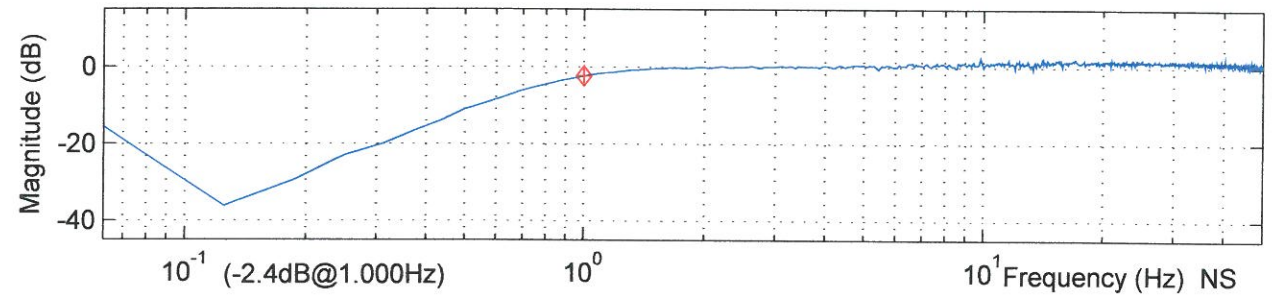


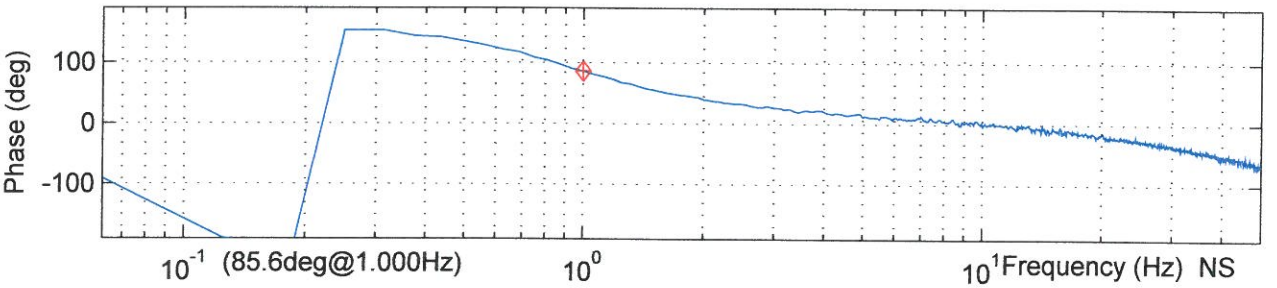
14-Mar-2013

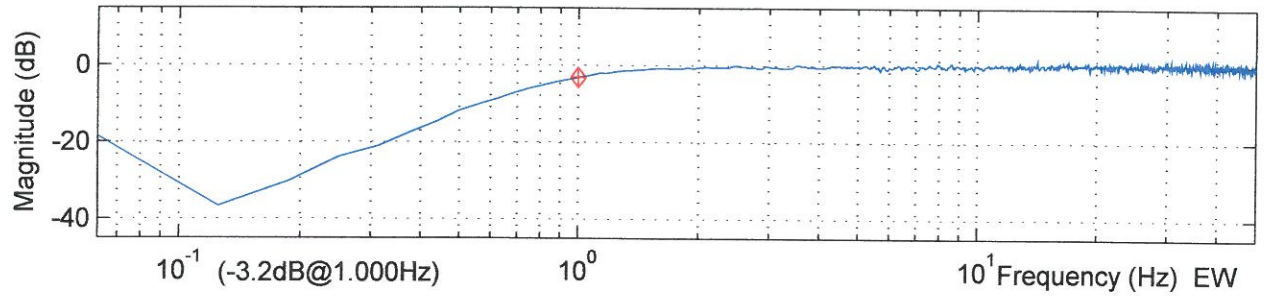
Normalized Frequency Response for : T6J67, 13071

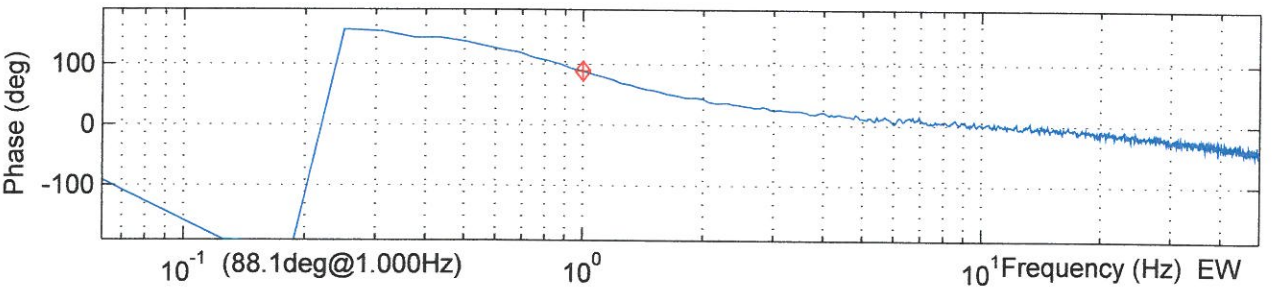






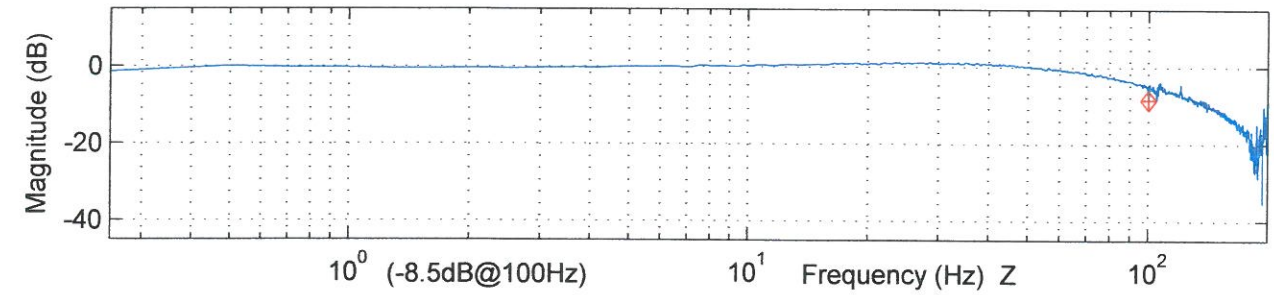


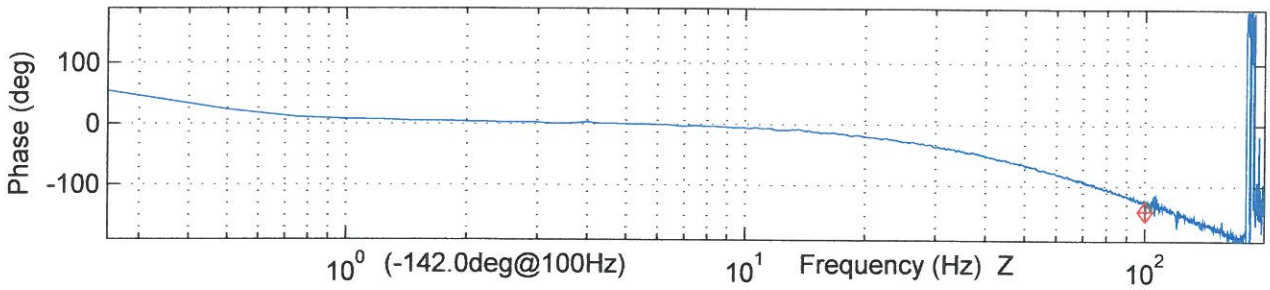


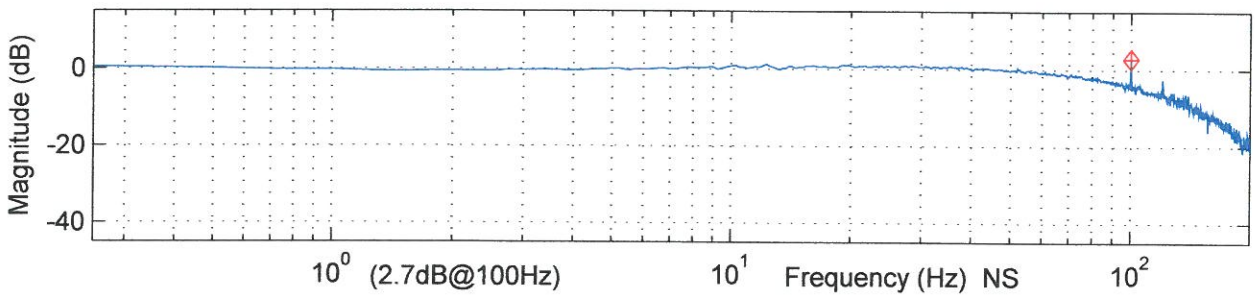


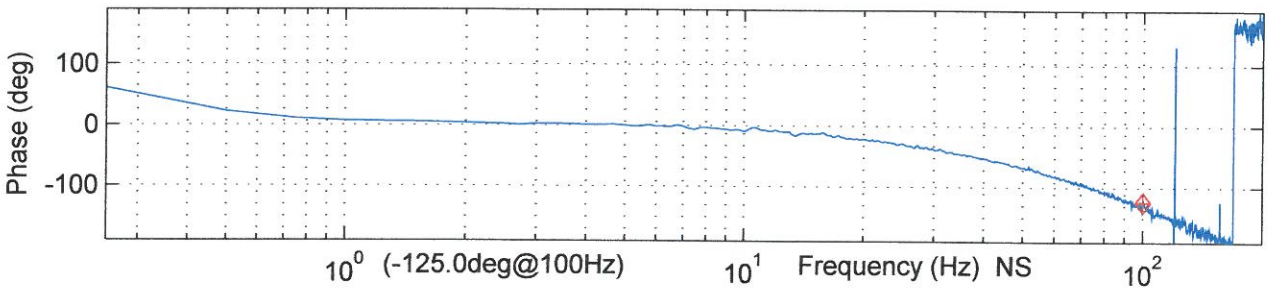
14-Mar-2013

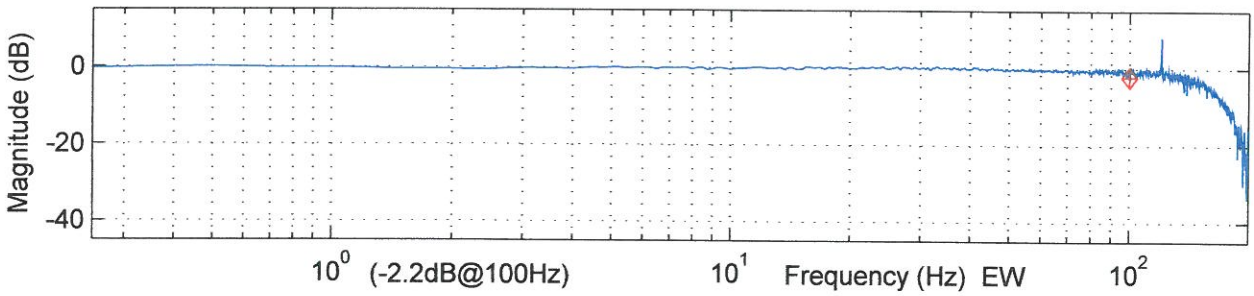
Normalized Frequency Response for : T6J67, 13071

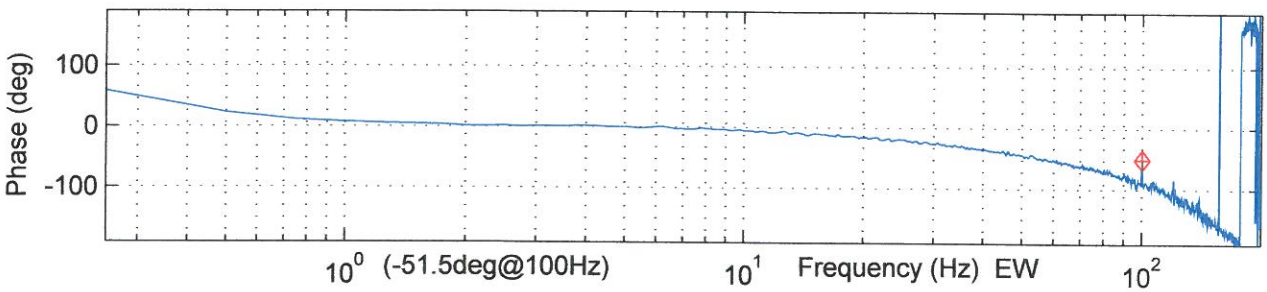












14-Mar-2013