# aco社マイクの性能チェック

18.10.05

田中
開発
森

# 目的

aco社マイクの性能チェック

マイクは6種類

・s1809034(Type7174) 拡散型

・s1809035(Type7146) 音場型

・s1809036(Type7146NL) 超低周波型

・s1809037(Type4153N) 音圧型

・s1809038(Type4152N) 音場型

・s1809039(Type4160N) アレイ

# チャンネル

２回に分けて測定を行った。

Aグループ

ch1 s1809035(Type7146) 音場型

ch2 s1809037(Type4153N) 音圧型

ch3 s1809034(Type7174) 拡散型

Bグループ

ch1 s1809039(Type4160N) アレイ

ch2 s1809038(Type4152N) 音場型

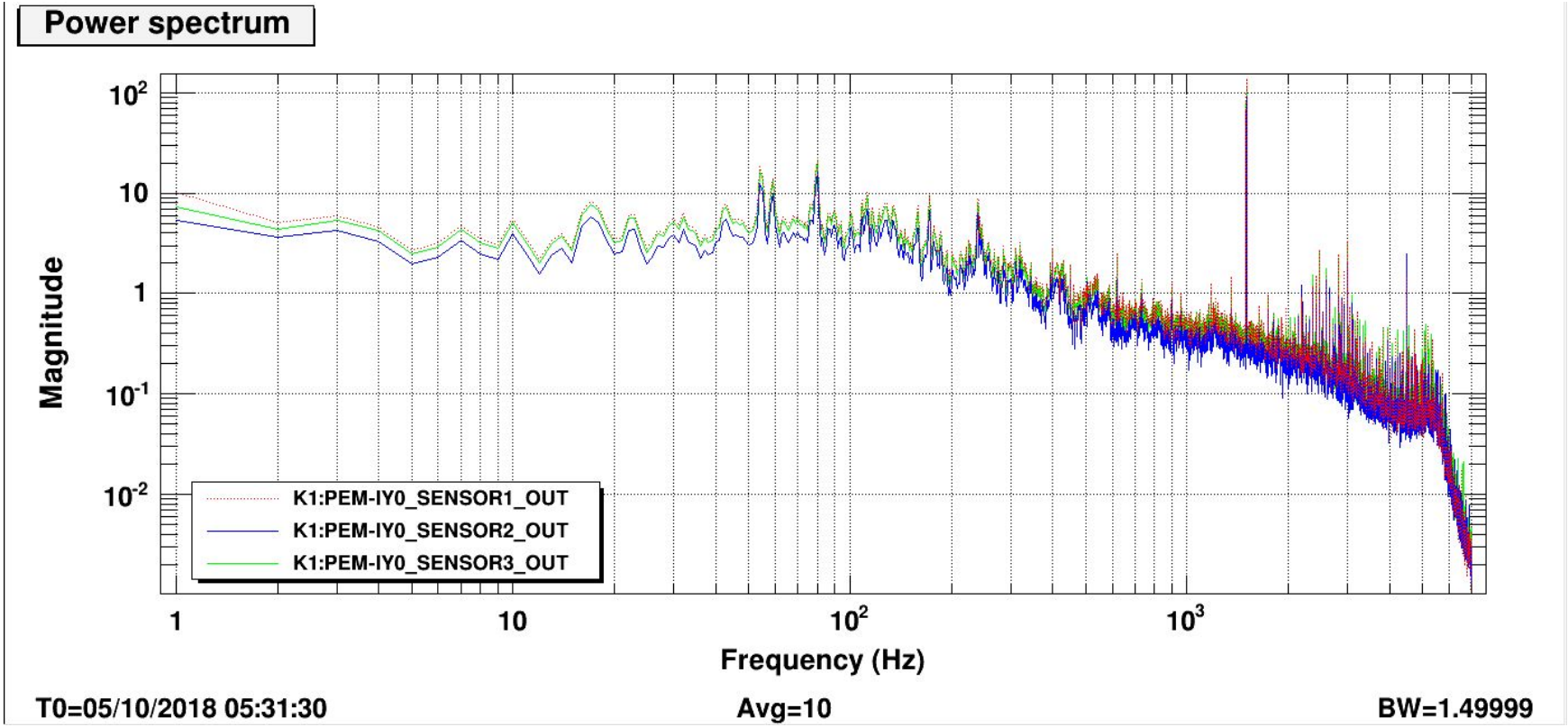
ch3 s1809036(Type7146NL) 超低周波型

# スピーカーの位置(iPhone X)

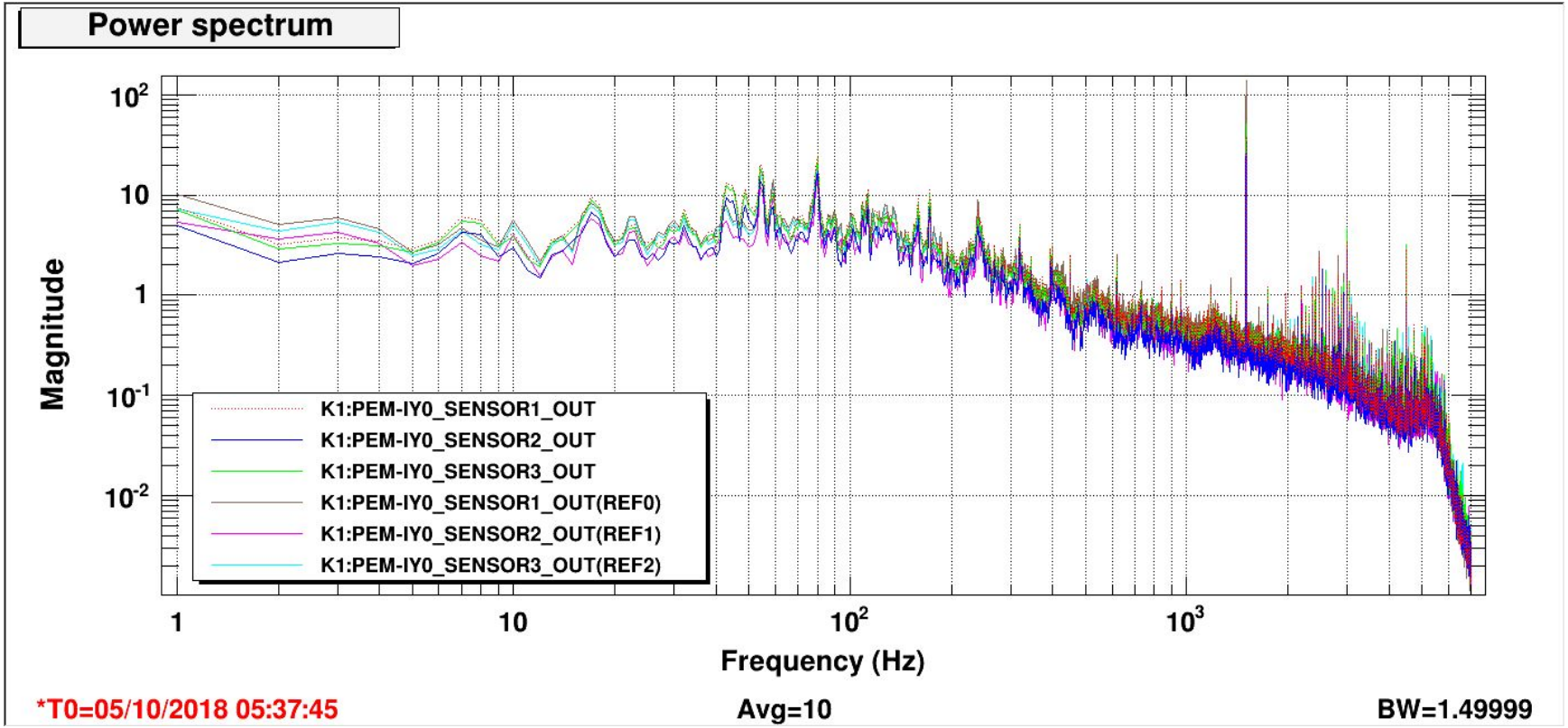
マイクの下30cm

マイクの横30cm

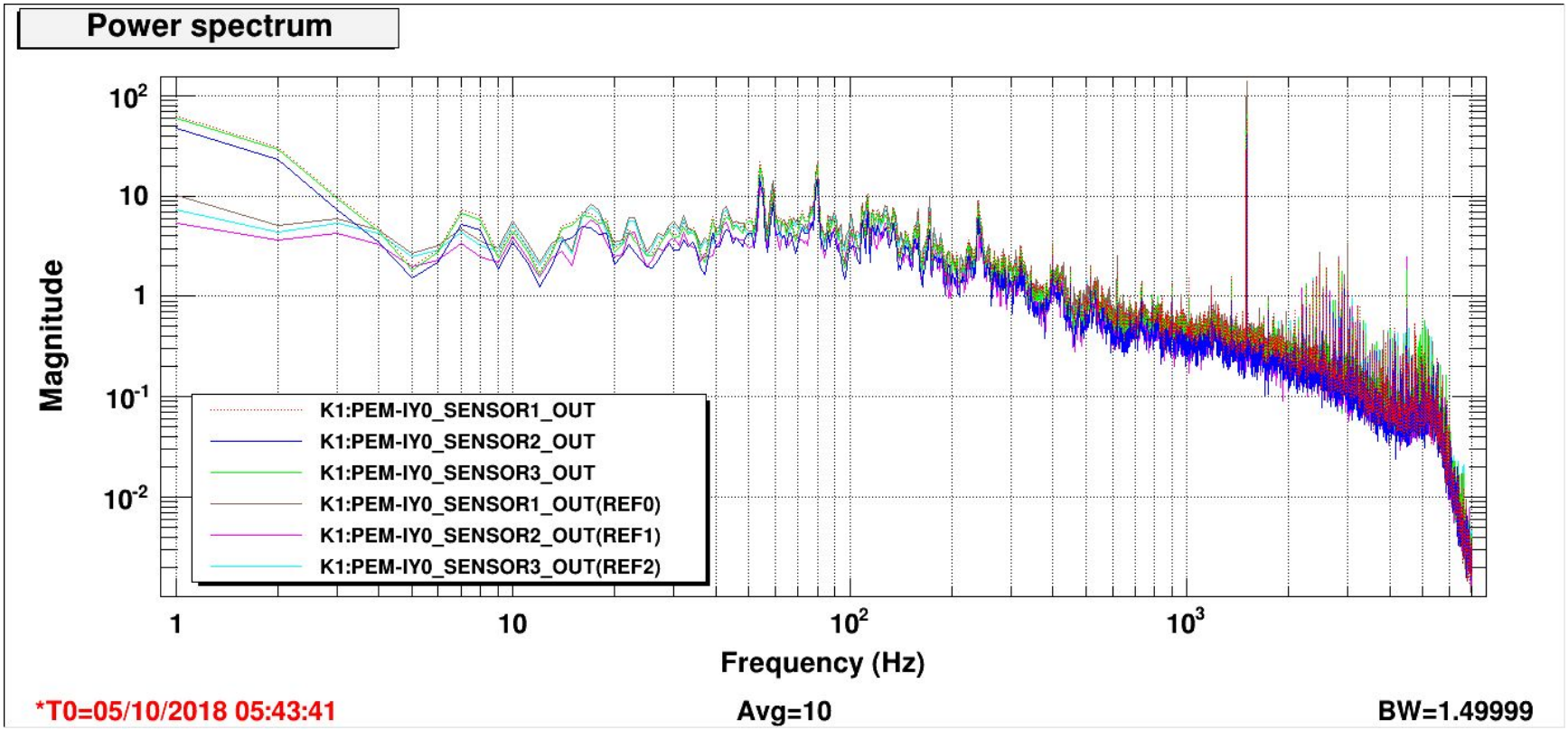
# 1500真下


Power spectrum
Magnitude
$10^2$
10
1
$10^{-1}$
$10^{-2}$
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
1
10
$10^2$
$10^3$
Frequency (Hz)
T0=05/10/2018 05:31:30
Avg=10
BW=1.49999

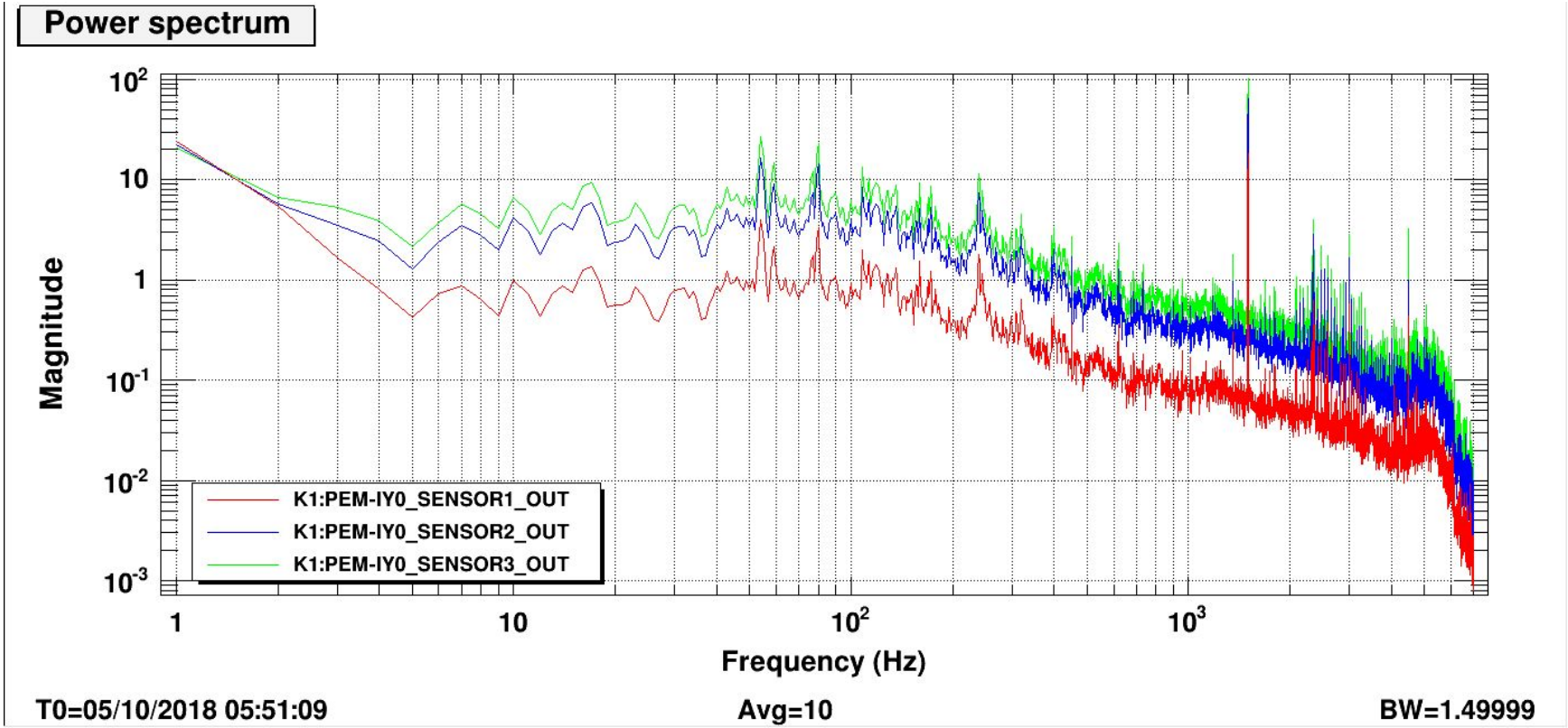
# 1500横


Power spectrum
Magnitude
$10^2$
10
1
$10^{-1}$
$10^{-2}$
1
10
$10^2$
$10^3$
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
K1:PEM-IY0_SENSOR1_OUT(REF0)
K1:PEM-IY0_SENSOR2_OUT(REF1)
K1:PEM-IY0_SENSOR3_OUT(REF2)
*T0=05/10/2018 05:37:45
Avg=10
BW=1.49999

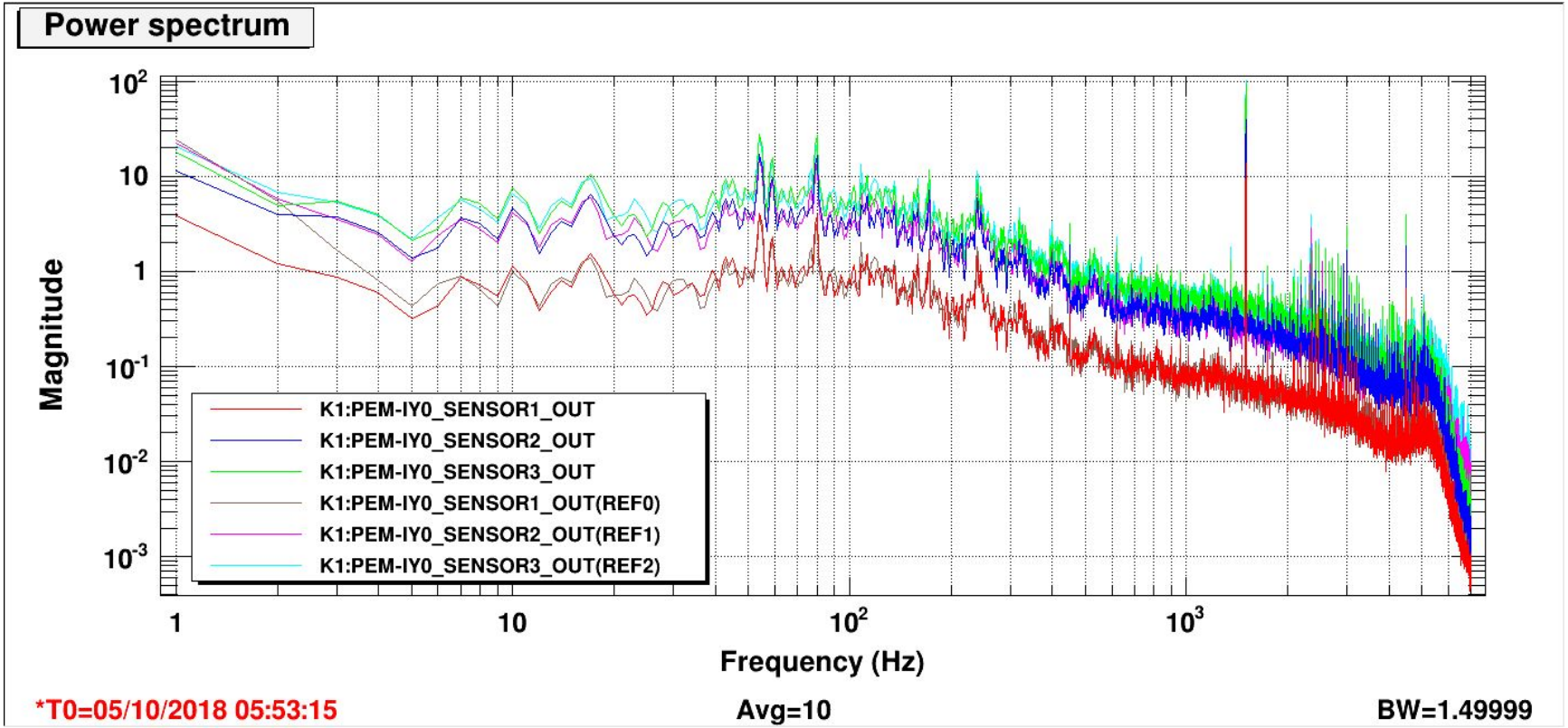
# 1500上


Power spectrum
Magnitude
$10^2$
10
1
$10^{-1}$
$10^{-2}$
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
K1:PEM-IY0_SENSOR1_OUT(REF0)
K1:PEM-IY0_SENSOR2_OUT(REF1)
K1:PEM-IY0_SENSOR3_OUT(REF2)
1
10
$10^2$
$10^3$
Frequency (Hz)
*T0=05/10/2018 05:43:41
Avg=10
BW=1.49999

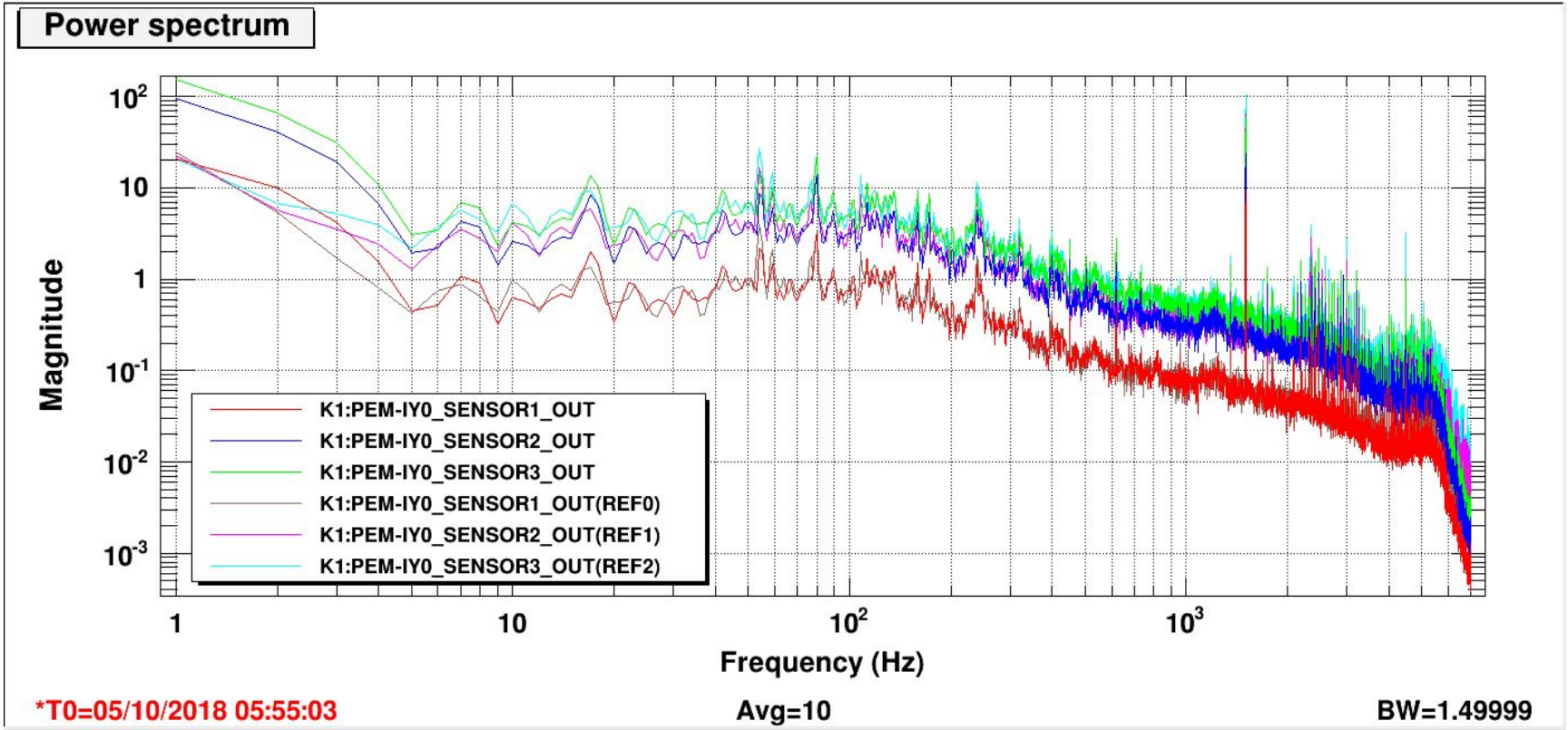
# 第二弾1500真下


Power spectrum
Magnitude
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
T0=05/10/2018 05:51:09
Avg=10
BW=1.49999

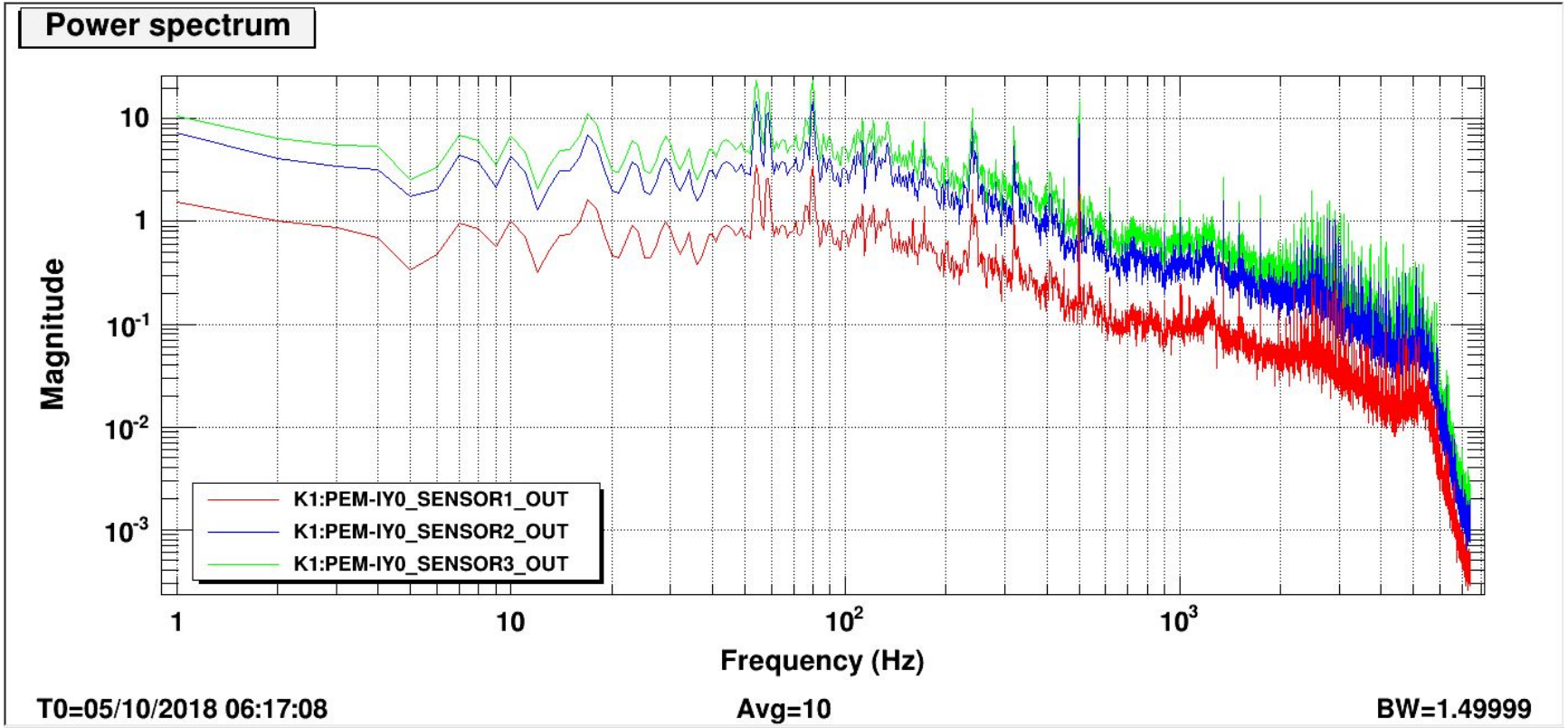
# 第二弾1500横


Power spectrum
Magnitude
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
K1:PEM-IY0_SENSOR1_OUT(REF0)
K1:PEM-IY0_SENSOR2_OUT(REF1)
K1:PEM-IY0_SENSOR3_OUT(REF2)
*T0=05/10/2018 05:53:15
Avg=10
BW=1.49999

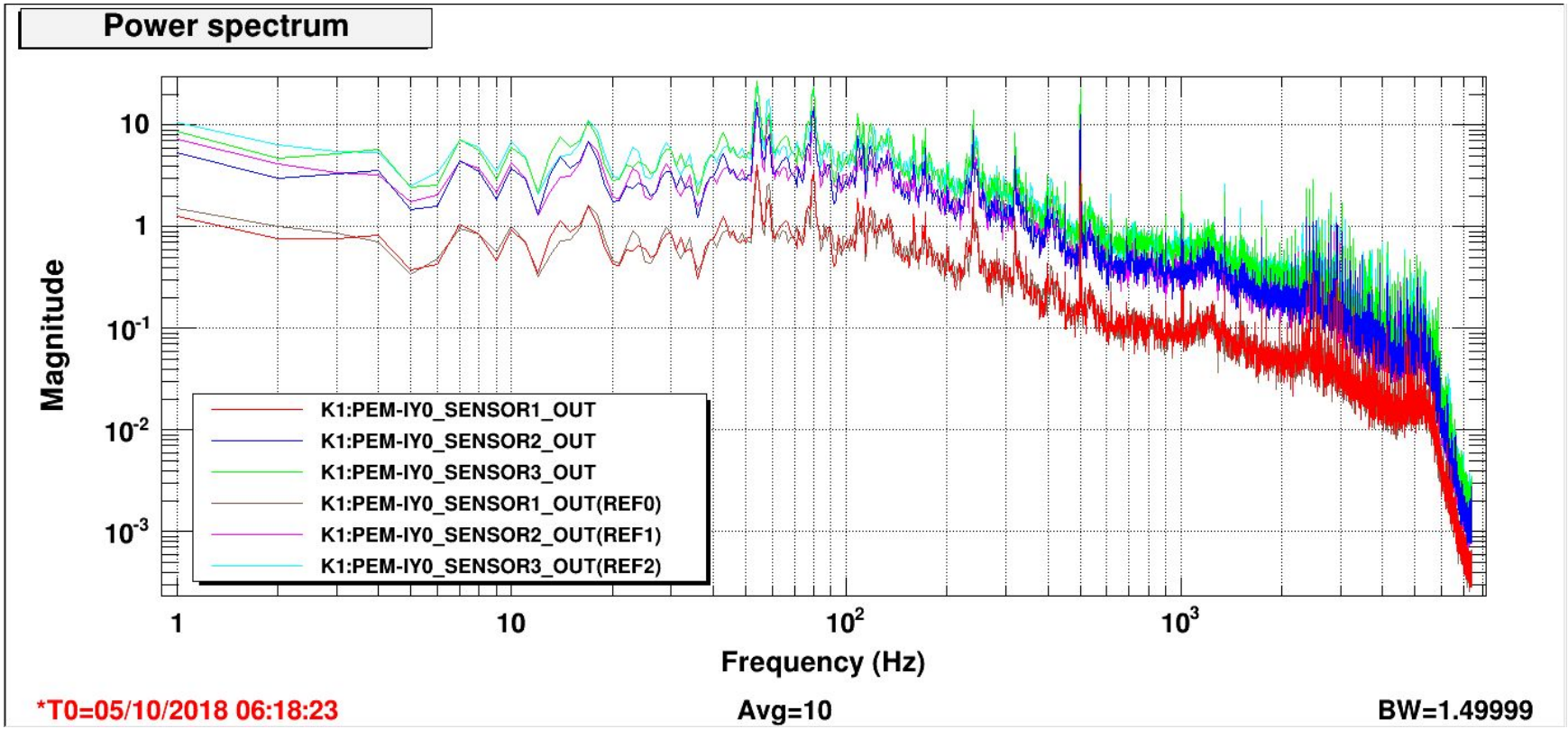
# 第二弾1500上


Power spectrum
Magnitude
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
K1:PEM-IY0_SENSOR1_OUT(REF0)
K1:PEM-IY0_SENSOR2_OUT(REF1)
K1:PEM-IY0_SENSOR3_OUT(REF2)
*T0=05/10/2018 05:55:03
Avg=10
BW=1.49999

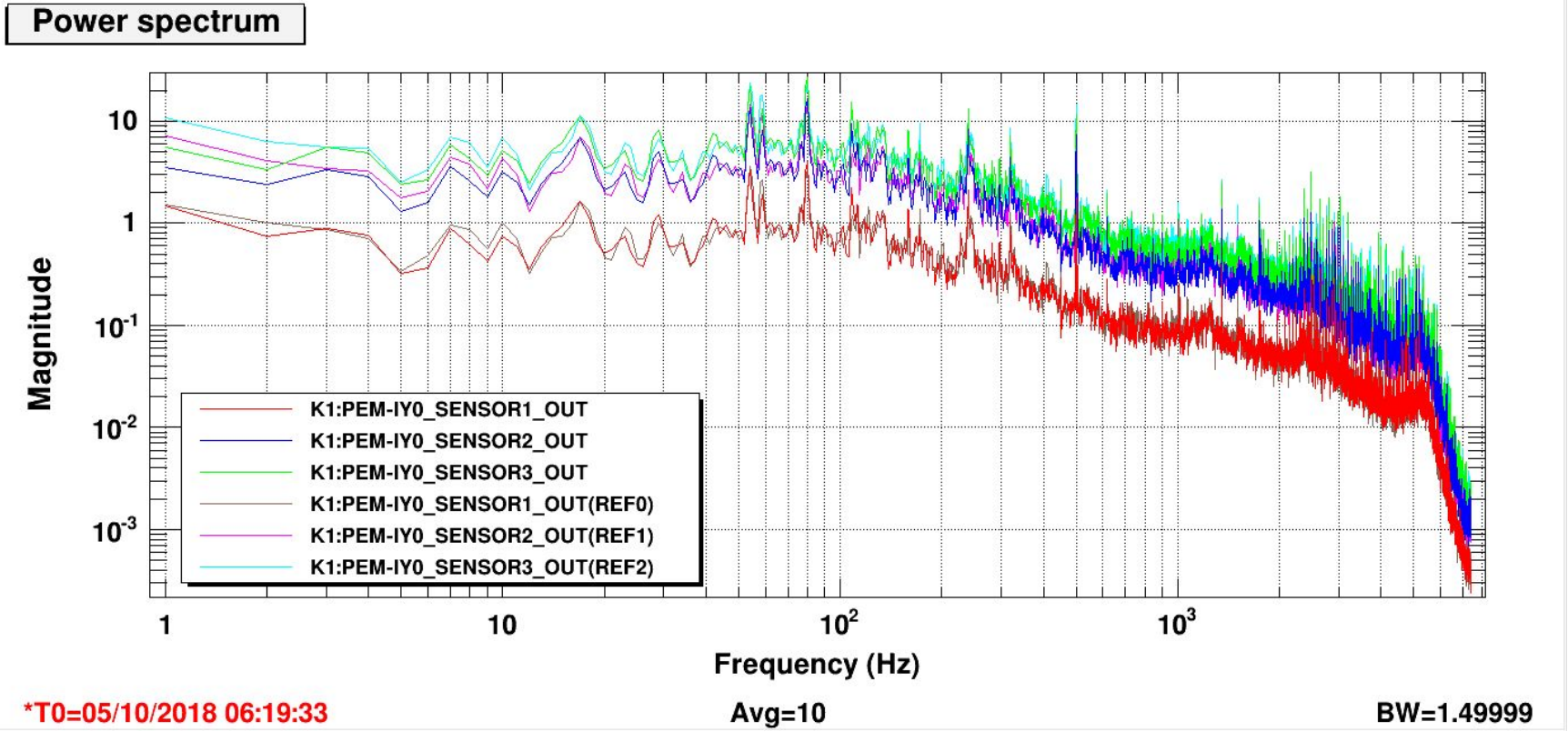
# 第二弾500下


Power spectrum
Magnitude
10
1
10^-1
10^-2
10^-3
1
10
10^2
10^3
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
T0=05/10/2018 06:17:08
Avg=10
BW=1.49999

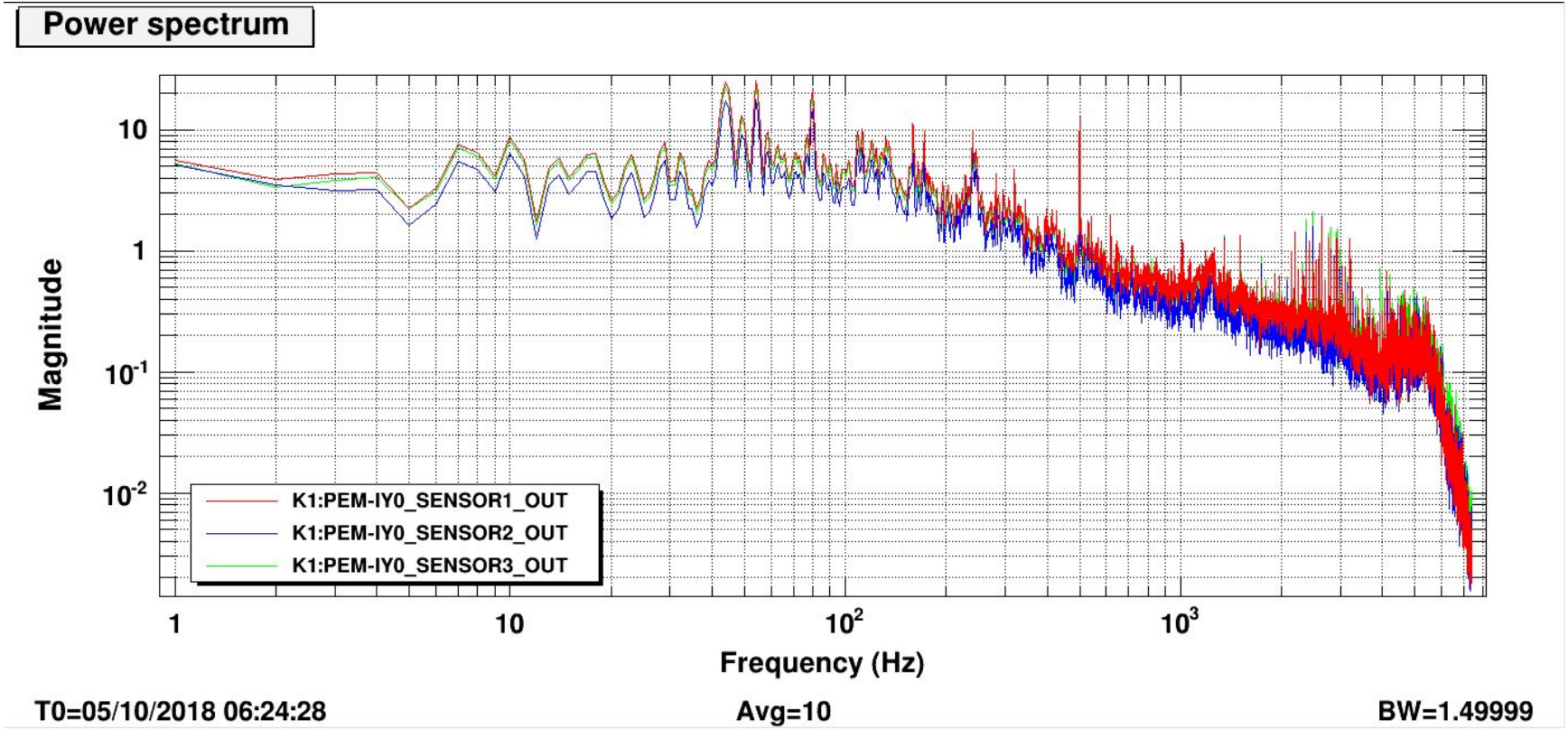
# 第二弾500横


Power spectrum
Magnitude
10
1
10^-1
10^-2
10^-3
1
10
10^2
10^3
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
K1:PEM-IY0_SENSOR1_OUT(REF0)
K1:PEM-IY0_SENSOR2_OUT(REF1)
K1:PEM-IY0_SENSOR3_OUT(REF2)
*T0=05/10/2018 06:18:23
Avg=10
BW=1.49999

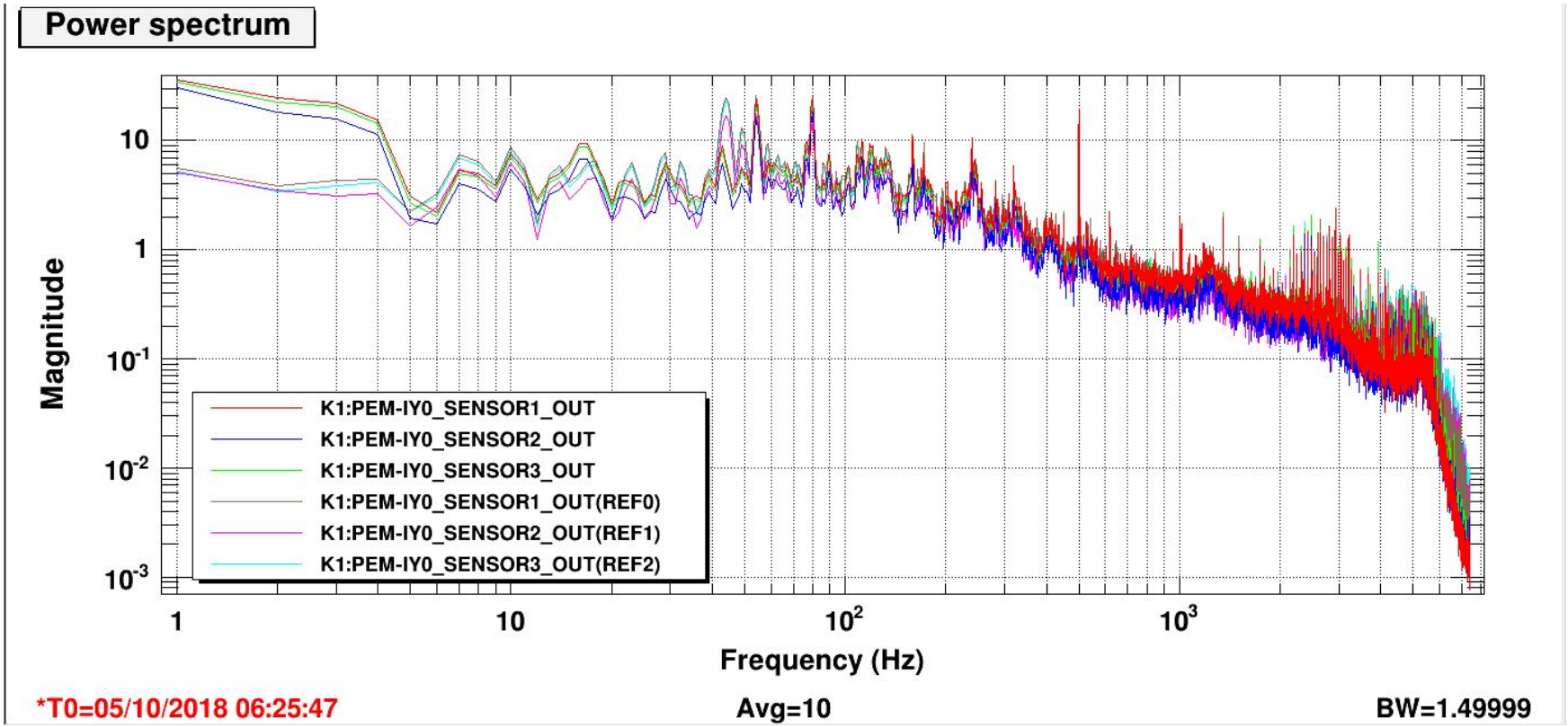
# 第二弾500上


Power spectrum
Magnitude
10
1
10-1
10-2
10-3
1
10
102
103
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
K1:PEM-IY0_SENSOR1_OUT(REF0)
K1:PEM-IY0_SENSOR2_OUT(REF1)
K1:PEM-IY0_SENSOR3_OUT(REF2)
*T0=05/10/2018 06:19:33
Avg=10
BW=1.49999

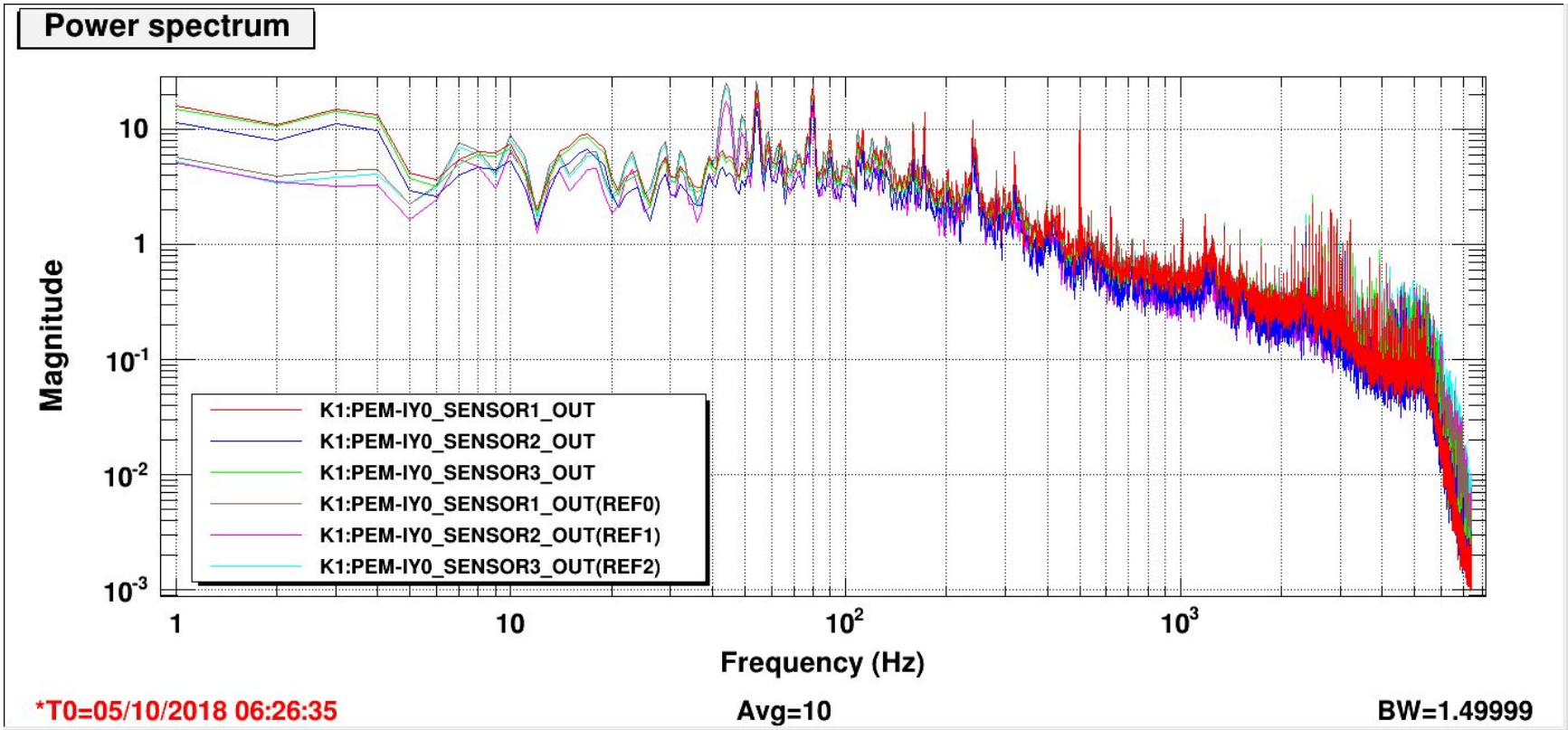
# 500下


Power spectrum
Magnitude
10
1
$10^{-1}$
$10^{-2}$
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
1
10
$10^2$
$10^3$
Frequency (Hz)
T0=05/10/2018 06:24:28
Avg=10
BW=1.49999

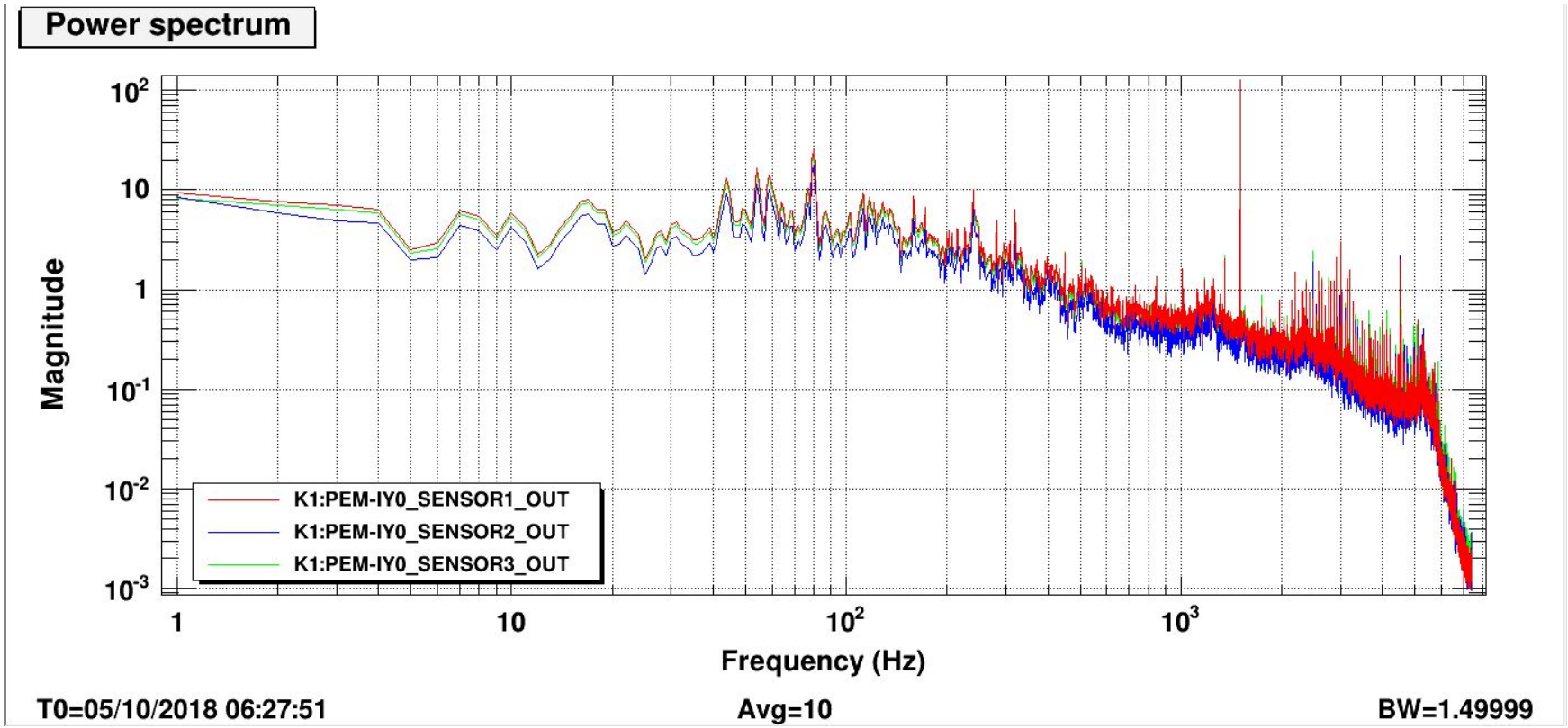
# 500横


Power spectrum
Magnitude
10
1
10^-1
10^-2
10^-3
1
10
10^2
10^3
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
K1:PEM-IY0_SENSOR1_OUT(REF0)
K1:PEM-IY0_SENSOR2_OUT(REF1)
K1:PEM-IY0_SENSOR3_OUT(REF2)
*T0=05/10/2018 06:25:47
Avg=10
BW=1.49999

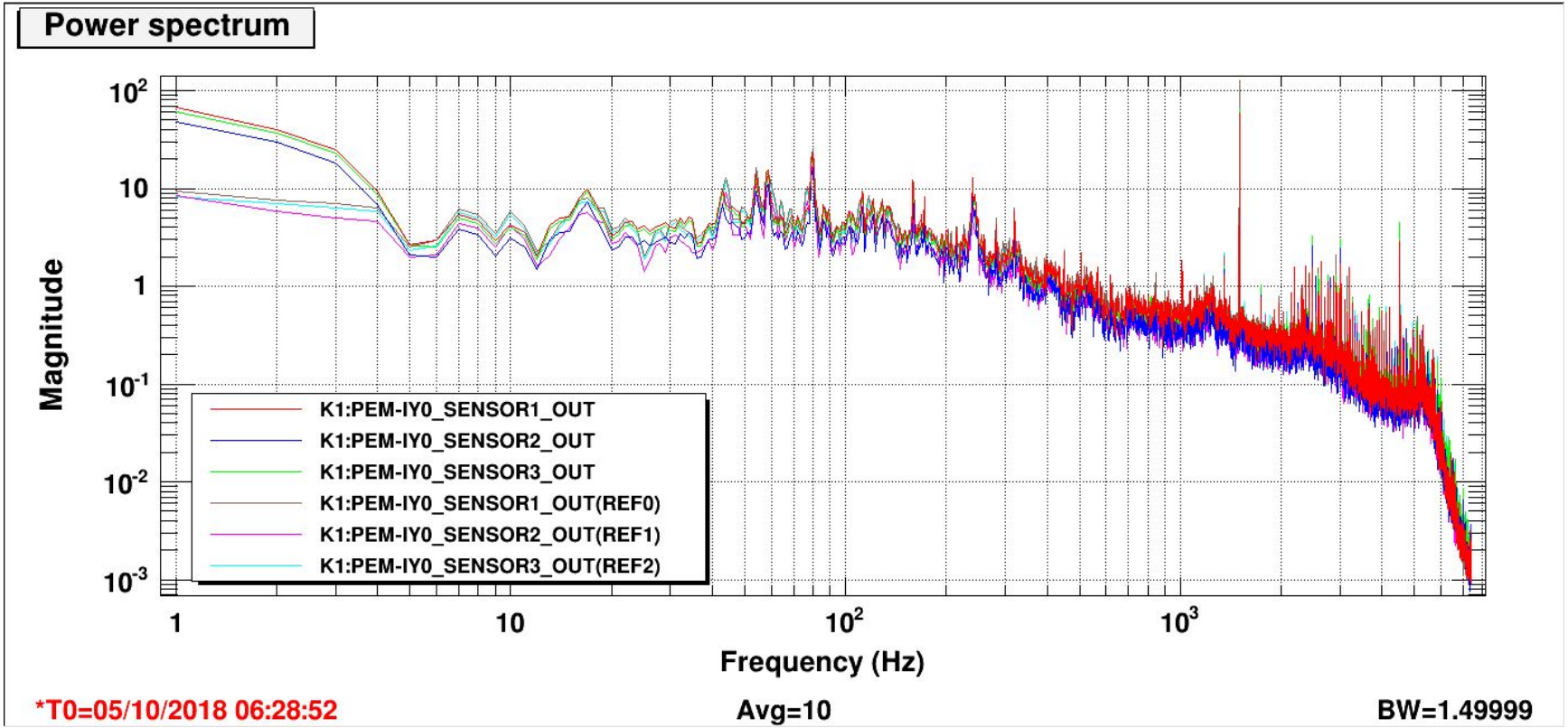
# 500上


Power spectrum
Magnitude
10
1
10^-1
10^-2
10^-3
1
10
10^2
10^3
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
K1:PEM-IY0_SENSOR1_OUT(REF0)
K1:PEM-IY0_SENSOR2_OUT(REF1)
K1:PEM-IY0_SENSOR3_OUT(REF2)
*T0=05/10/2018 06:26:35
Avg=10
BW=1.49999

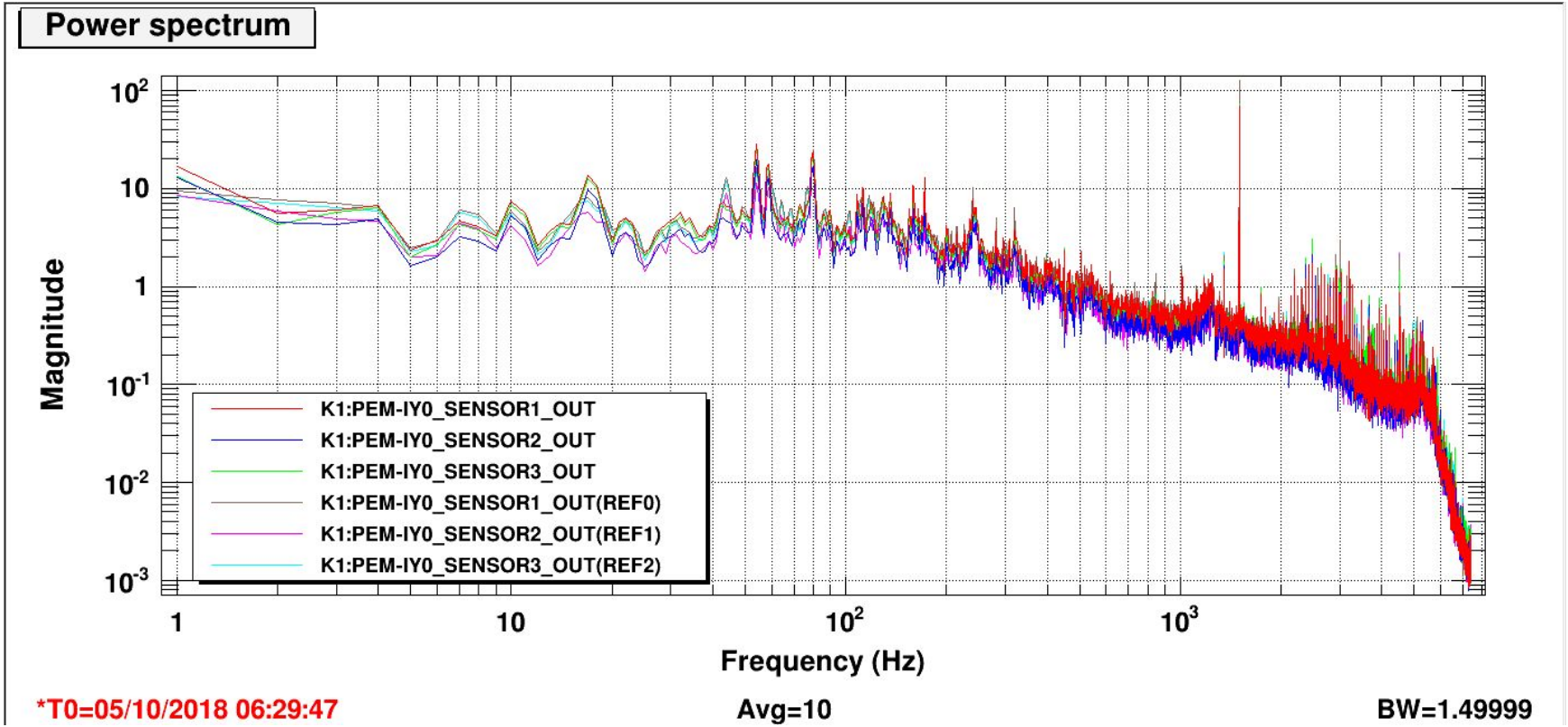
# 2回目1500下


Power spectrum
Magnitude
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
T0=05/10/2018 06:27:51
Avg=10
BW=1.49999

# 2回目、1500横


Power spectrum
Magnitude
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
K1:PEM-IY0_SENSOR1_OUT(REF0)
K1:PEM-IY0_SENSOR2_OUT(REF1)
K1:PEM-IY0_SENSOR3_OUT(REF2)
*T0=05/10/2018 06:28:52
Avg=10
BW=1.49999

# 2回目1500上


Power spectrum
Magnitude
Frequency (Hz)
K1:PEM-IY0_SENSOR1_OUT
K1:PEM-IY0_SENSOR2_OUT
K1:PEM-IY0_SENSOR3_OUT
K1:PEM-IY0_SENSOR1_OUT(REF0)
K1:PEM-IY0_SENSOR2_OUT(REF1)
K1:PEM-IY0_SENSOR3_OUT(REF2)
*T0=05/10/2018 06:29:47
Avg=10
BW=1.49999