### Input

diagguiを開いたら右の画面がでるの で、online systemを選択する。

	🔀 Diagnostics test tools
<u>File</u> Edit Measurement <u>P</u> lot <u>W</u> indow	Help
Input Messurement Excitation Result	
Data Source Selection Online system User NDS O NDS2 C LiDaX	Reconnect Clear cache
IDS Selection - Selvon Kinds1	Port 8088 🚖
LIDAX Data Source Server: single Local file system	Add     Channels:     Select       More     Keep:     0.30 ≦ hh.mm     Staging

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	Start	Pause	Resume	Abort
			- (	

#### Measurement

測定したい場所のチャンネルを選択す る。基本コピー&ペーストはできない。 (マウスがあればできる)

<u>Eile Edit M</u> easurement <u>P</u> lot <u>W</u> indow			Hel
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Measurement			
	O Triggered Time Response		
- Measurement Channels			
Channels 0 to 15 C Channels 16 to 31 C Channels 32 to -	47 C Cha. els 48 to 63 C Cha	nnels 64 to 79 . Channels 80 to 95	
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1 K1:PEM-EX_SENSOR2_OUT	9 🗆		
2 🔽 K1:PEM-EX_SENSOR3_OUT			
3 🔽 K1:PEM-EX_SENSOR5_OUT			
4 🔽 K1:PEM-EX_SENSOR6_OUT	2 🗆		-
5 🔽 K1:PEM-EX_SENSOR7_OUT	3 🗆		-
6 🗆	4		-
7 🗆	5 🗆		-
Start 0 Aug Stary 7000 Aug BW 0	05 A Un Sottling Time: 10.0 A	e Bown Doum 10≜ Soo	
Window:  Hanning ▼ Overlap:   50.0 ₹ % M Remo	ive mean Number of A channels:	2 🛨	
Averages: 20 🚔 Average Type: 💿 Fixed 🔿 Exponential	C Accumulative		
- Start Time			
© Now	C In the future	: 0:00:00 🖨 hh:mm:ss	
O GPS: 1232332611 € sec 0 € nsec	C In the past	0:00:00 Å hh:mm:ss	
C Date/time: 24/1/2019 ≜ dd/mm/yy 2:36:34 ≜ hh:	mm:ss UTC	leekun	Siau daum.
			Slow down: U Sec/avrg.
Measurement Information			
Measurement Time: 24/01/2019 03:23:49 UTC	Comment / Description:		
Start P	ause	Besume	Abort
		Repeat	Fourier tools
		Topost	

#### Measurement

測定する周波数帯と周波数分解能を決める。

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_ Measurement			
	ise C Triggered Time Response		
- Measurement Channels			
Channels 0 to 15 C Channels 16 to 31 C Channels 3	2 to 47 C Channels 48 to 63 C Channel	s 64 to 79 . C Channels 80 to 95	
0 V K1:PEM-EX_SENSOR1_OUT	- 8□		-
1 K1:PEM-EX_SENSOR2_OUT	9 🗖		
2 🗹 K1:PEM-EX_SENSOR3_OUT	▼ 10 □		•
3 🗹 K1:PEM-EX_SENSOR5_OUT	11 🗆		
4 🔽 K1:PEM-EX_SENSOR6_OUT	12		
5 🔽 K1:PEM-EX_SENSOR7_OUT	- 13 □		-
6 🗆	▼ 14 □		<b>•</b>
7 🗆	▼ 15 □		•
Start: 0 🛨 Hz Stop:   7000 🗲 Hz BW:	0.05 🚽 Hz Settling Time:   10.0 🗲 %	Ramp Down: 📔 1.0 🚔 Sec	
	Number of A channels:	2 🝨	
Averages: 20 🚔 Average Type: 👁 Fixed 🔿 Expon	ential C Accumulative		
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O Date/time: 24/1/2019	hh:mm:ss UTCTime now	Lookup	Slow down: 0 🗲 sec/avrg.
- Measurement Information			
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1			
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		Repeat	Fourier tools

#### Measurement

窓関数の形、Overlapの割合、平均回 数を決める。

<u>Eile Edit M</u> easurement <u>Plot W</u> indow					Help
Input Measurement Excitation Result					
Measurement					
	Time Response				
- Measurement Channels					
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2 🔽 K1:PEM-EX_SENSOR3_OUT	10 [			-	
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4 🔽 K1:PEM-EX_SENSOR6_OUT	12 🗆				
5 🔽 K1:PEM-EX_SENSOR7_OUT	13 🗆			-	
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7 🗆	15 🗖				
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	Ime now	UOKup	5104		secravity.
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1 0000		T S S S MITTE	Repeat	Fourier tools	

#### Measurement

Start timeはnowのままでよい。

ile <u>E</u> dit <u>M</u> easurement <u>P</u> lot <u>W</u> indow						Ŀ
Input Measurement Excitation Result						
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	esponse C Triggered	Time Response				
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1 K1:PEM-EX_SENSOR2_OUT	T	9 🗆			-	
2 🔽 K1:PEM-EX_SENSOR3_OUT	-	10 🗆				
3 🔽 K1:PEM-EX_SENSOR5_OUT	•	11 🗆			•	
4 🔽 K1:PEM-EX_SENSOR6_OUT	•	12 🗆			•	
5 🔽 K1:PEM-EX_SENSOR7_OUT	•	13 🗖			•	
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以前測定したデータをみる、もしくは同じ 設定で測定をしたい場合は Fileから保存 したxmlファイルを開く。

開いたら、Resultに保存したスペクトル データが表示され、Measurementには 測定時に設定が表示されている。

同じ設定で新たに測定する場合は画面 左下のStartを押す。

					🔀 Diagnosti	cs test
jile <u>E</u> dit <u>M</u>	easurement <u>P</u> lot	<u>W</u> indow				
Input	Measurement	Excitation	Result	1		
-Data Sourc	e Selection					
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-NDS Select	tion ———					
-NDS Select Server:	tion k1nds1				Port: 8088 🖨	
-NDS Selec Server:	lion k1nds1			•	Port: 8088 륒	
-NDS Selec Server: -LiDaX Data	tion k1nds1			<u> </u>	Port: 8088 🚽	
– NDS Selec Server: – LiDaX Data Server:	tion   k1nds1   Source   single 💌   Lo	ocal file system		-	Port: 8088 🗲	Char

### アナログ信号をデジタル信号に変換するフィルターのかけ方

site map→PEM→EX0→SENSOR1~8のどこか→下の画像



キャリブレーションフィルター C2V:カウントから電圧へ変換するフィルター V2T:電圧をテスラに変換するフィルター deWhite:Whitening回路によって上乗せされた Whitening Filterを取る?フィルター

緑の時・・・フィルターON 赤の時・・・フィルターOFF

測定時はすべて緑にする。