	GPIB	Default	1
Source Meter		Range	(-10 V, 10 V)
	Source Voltage	Singlestep	0.1 V
	(V)	Decimal	1
		Default	0 V
		Range	(0 mA, 1000 mA)
	Compliance	Singlestep	1 mA
	(mA)	Decimal	1
		Default	5 mA
	Current (mA)	Decimal	3
	GPIB	Default	13
		Range	(0 GHz, 500 GHz)
DE Dawyon Matan	Frequency	Singlestep	1 GHz
RF Power Meter	(GHz)	Decimal	1
		Default	1 GHz
	Power (dBm)	Decimal	3
Attenuator	GPIB	Default	10
	P set (dBm)	Range	(-50 dBm, 20 dBm)
		Singlestep	0.2 dBm
		Decimal	1
		Default	-30 dBm
	Output (dBm)	Decimal	3
Laser	COM	Default	com9
	Power (dBm)	Range	(12.5 dBm, 16.2 dBm)
		Singlestep	0.5 dBm
		Decimal	1
		Default	12.5 dBm
		Range	( 191.099THz, 195.899 THz)
	Frequency	Singlestep	0.001 THz
	(THz)	Decimal	3
		Default	193.414 THz
	Wavelength (nm)	Decimal	3
Bandwidth	Start	Range	(0 GHz, 500 GHz)
sweep	Frequency	Singlestep	1 GHz

CGHz   Decimal   0     Default   0 GHz     Range   (0 GHz, 500 GHz)     Singlestep   1 GHz     Decimal   0     Default   0 GHz     Decimal   0     Default   0 GHz     Range   (0 GHz, 500 GHz)     Decimal   0     Default   0 GHz     Range   (0 GHz, 500 GHz)     Frequency   Singlestep   1 GHz     Decimal   0     Default   0 GHz     Decimal   0     Default   0 GHz     Power Step   Value   1/0.5/0.2/0.1     GPIB   Default   1     Range   (-10 V, 10 V)     Singlestep   0.1 V     Decimal   1     Default   0 V     Range   (0 mA, 1000 mA)     Compliance   Singlestep   1 mA     Current (mA)   Decimal   3     Range   (-10 V, 10 V)     I-V Test Setting   Stort Voltage   Singlestep   0.1 V     Singlestep   1 mA     Decimal   1     Default   5 mA     Current (mA)   Decimal   3     Range   (-10 V, 10 V)     Singlestep   0.1 V     Singlestep   0.1 V				
Stop   Frequency (GHz)   Decimal   0   Default   0   GHz		(GHz)	Decimal	0
Stop   Frequency (GHz)			Default	0 GHz
Frequency (GHz)		Frequency	Range	(0 GHz, 500 GHz)
CGHz   Decimal   0     Default			Singlestep	1 GHz
Default   0 GHz			Decimal	0
Frequency (GHz)   Decimal   0			Default	0 GHz
Saturation         (GHz)         Decimal         0           Sweep         Default         0 GHz           Power Step (dBm)         Value         1/0.5/0.2/0.1           GPIB         Default         1           Range         (-10 V, 10 V)           Source Voltage         Singlestep         0.1 V           Decimal         1           Default         0 V           Range         (0 mA, 1000 mA)           Singlestep         1 mA           Decimal         1           Default         5 mA           Current (mA)         Decimal         3           Range         (-10 V, 10 V)		Frequency	Range	(0 GHz, 500 GHz)
Default   0 GHz			Singlestep	1 GHz
Power Step (dBm)	Saturation	(GHz)	Decimal	0
Value		, , ,	Default	0 GHz
Range   (-10 V, 10 V)		•	Value	1/0.5/0.2/0.1
Source Voltage		GPIB	Default	1
(V)         Decimal         1           Default         0 V           Range         (0 mA, 1000 mA)           Compliance         Singlestep         1 mA           (mA)         Decimal         1           Default         5 mA           Current (mA)         Decimal         3           Range         (-10 V, 10 V)			Range	(-10 V, 10 V)
Default		Source Voltage	Singlestep	0.1 V
Range   (0 mA, 1000 mA)		(V)	Decimal	1
Compliance   Singlestep   1 mA			Default	0 V
(mA)         Decimal         1           Default         5 mA           Current (mA)         Decimal         3           Range         (-10 V, 10 V)	I-V Test Setting		Range	(0 mA, 1000 mA)
Default   5 mA		Compliance	Singlestep	1 mA
Current (mA)   Decimal   3		(mA)	Decimal	1
I-V Test Setting Range (-10 V, 10 V)			Default	5 mA
1-V Test Setting		Current (mA)	Decimal	3
1-V Test Setting			Range	(-10 V, 10 V)
Start voltage   Singlestep   0.1 v		Start Voltage	Singlestep	0.1 V
(V) Decimal 1			-	1
Default 0 V		. ,	Default	0 V
Range (-10 V, 10 V)				(-10 V, 10 V)
Stop Voltage Singlestep 0.1 V		Stop Voltage		
(V) Decimal 1		(V)	Decimal	,
Default 0 V		. ,	Default	0 V
Range (0 ms, 10000 ms)				(0 ms, 10000 ms)
Sweep Time Singlestep 1 ms		Sweep Time		
(ms) Decimal 0		_		
Default 10 ms				10 ms

## Note:

- 1. Bandwidth Sweep \_ Manual Mode:
  - ① Set the laser frequency (THz);
  - ② Click the "Manual Mode" button and the beat frequency of the laser automatically increases by 1 GHz.
  - ③ Click the "Save" button when the measurement is accomplished;
  - 4 Click the "Clear" button to clear the data in the diagram.

## 2. Bandwidth Sweep \_ Auto Mode:

- ① Input the beat frequency value at "Start Frequency" and "Stop Frequency";
- ② Click the "Start" button to start the measurement;
- ③ The status bar in the lower-left corner will show "completed" when the test is completed. Click the "Save" button to save the data;
- ④ You can click the "Stop" button when the data is in error, and then can click the "Continue" to continue the measure.

## 3. Saturation Sweep \_ Manual Mode:

- ① Choose to use the attenuator by checking the "Attenuator" box. Increment the corresponding optical power each time. The output power of attenuator will be reduced by 10 dB when click the "Stop" button;
- ② Set the laser beat frequency (GHz);
- ③ Click the "Manual Mode" button, the measurement will collect one point;
- 4 Click the "Save" button when the measurement is accomplished;
- ⑤ Click the "Clear" button to clear the data in the diagram.

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