

Calibrated Date : 28-Jan-20

Model No : AQ-6315A

Serial No :

1. Functional check

Results Pass

2. Wavelength accuracy

Measurement condition : MEAS WL=VAC

Wavelength	Limits		Measured	Status
633nm	632.500 nm ~	633.500 nm	632.999 nm	Pass
850nm	849.500 nm ~	850.500 nm	849.896 nm	Pass
1310nm	1309.500 nm ~	1310.500 nm	1310.005 nm	Pass
1550nm	1549.500 nm ~	1550.500 nm	1550.304 nm	Pass

3. Wavelength Repeatability

Measurement condition : Measurement time=1minute

Limits		Measured	Status
$\leq$	0.010 nm	0.001 nm	Pass

4. Level accuracy

Measurement condition : Resolution=0.5nm

Wavelength	Input level	Limits		Measured	Status
1310nm	-30 dBm	-30.30 dBm ~	-29.70 dBm	-30.02 dBm	Pass
1550nm	-30 dBm	-30.30 dBm ~	-29.70 dBm	-29.88 dBm	Pass

5. Level Linearity

Measurement condition : Resolution=0.5nm, SENS=HIGH3

Wavelength	Input level	Limits		Measured	Status
1550nm	0dB	REF at 0dBm		0.00 dB	—
	-10dB	-10.05 dB ~	-9.95 dB	-9.99 dB	Pass
	-20dB	-20.05 dB ~	-19.95 dB	-19.99 dB	Pass
	-30dB	-30.10 dB ~	-29.90 dB	-29.98 dB	Pass
	-40dB	-40.10 dB ~	-39.90 dB	-39.97 dB	Pass
	-50dB	-50.20 dB ~	-49.80 dB	-50.08 dB	Pass
	-60dB	-60.20 dB ~	-59.80 dB	-60.08 dB	Pass

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6. Polarization Dependency

Measurement condition : Resolution=0.5nm

Wavelength	Mode	Limits	Measured	Status
1310nm	MONOCHRO SGL	≤ 0.200 dB	0.040 dB	Pass
	MONOCHRO DBL	≤ 0.100 dB	2.830 dB	Fail
1550nm	MONOCHRO SGL	≤ 0.200 dB	0.050 dB	Pass
	MONOCHRO DBL	≤ 0.100 dB	0.340 dB	Fail

7. Dynamic Range

Measurement condition : Resolution=0.05nm, SENS=HIGH3

7.1 Wavelength=633nm

Mode	Offset	Limits	Measured	Status
MONOCHRO SGL	-1.0nm	40.00 dB $\leq$	47.79 dB	Pass
	-0.5nm	35.00 dB $\leq$	36.07 dB	Pass
	+0.5nm	35.00 dB $\leq$	36.14 dB	Pass
	+1.0nm	40.00 dB $\leq$	47.67 dB	Pass
MONOCHRO DBL	-1.0nm	70.00 dB $\leq$	75.63 dB	Pass
	-0.5nm	60.00 dB $\leq$	71.64 dB	Pass
	+0.5nm	60.00 dB $\leq$	69.56 dB	Pass
	+1.0nm	70.00 dB $\leq$	75.57 dB	Pass

7.2 Wavelength=1152nm

Mode	Offset	Limits	Measured	Status
MONOCHRO SGL	-1.0nm	40.00 dB $\leq$	42.12 dB	Pass
	-0.5nm	35.00 dB $\leq$	36.06 dB	Pass
	+0.5nm	35.00 dB $\leq$	35.06 dB	Pass
	+1.0nm	40.00 dB $\leq$	43.51 dB	Pass
MONOCHRO DBL	-1.0nm	70.00 dB $\leq$	75.95 dB	Pass
	-0.5nm	60.00 dB $\leq$	61.48 dB	Pass
	+0.5nm	60.00 dB $\leq$	65.00 dB	Pass
	+1.0nm	70.00 dB $\leq$	70.23 dB	Pass

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7.3 Wavelength=1523nm

Mode	Offset	Limits	Measured	Status
MONOCHRO SGL	-1.0nm	40.00 dB $\leq$	41.19 dB	Pass
	-0.5nm	35.00 dB $\leq$	36.47 dB	Pass
	+0.5nm	35.00 dB $\leq$	36.05 dB	Pass
	+1.0nm	40.00 dB $\leq$	40.38 dB	Pass
MONOCHRO DBL	-1.0nm	70.00 dB $\leq$	73.70 dB	Pass
	-0.5nm	60.00 dB $\leq$	63.74 dB	Pass
	+0.5nm	60.00 dB $\leq$	70.77 dB	Pass
	+1.0nm	70.00 dB $\leq$	76.50 dB	Pass