


Results :JPS0056F rev 1

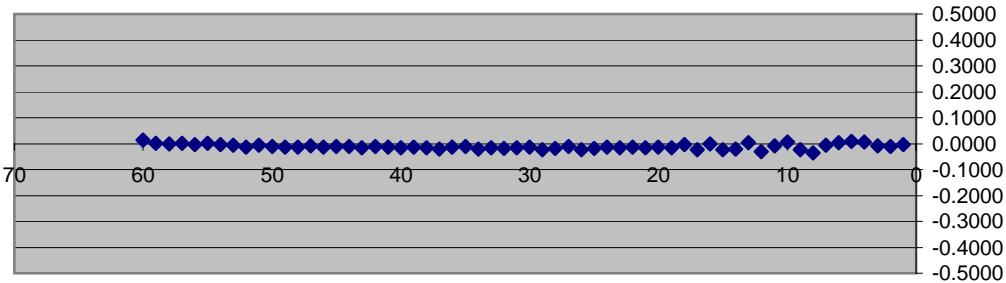
Procedure JPS0011P	Agilent HP8156A Opt 201	Sheet 1 of 4
Serial Number	Customer Reference Number	Certificate Number
Customer	Calibrated By	Date
Ambient Temp 21 +/- 1C	R.H. 42 +/- 5%	
Reference Equipment Used JPS0081A JPS0086A JPS0036A JPS0084A		

Insertion Loss


Source Wavelength: 1301.4nm Ref Patchcord 1: Cal 03 9/125 FC/APC
 UUT Wavelength: 1301.4nm Ref Patchcord 2: Cal 13 9/125 FC/APC
 Measured Insertion Loss: -2.6082 dB Source Power: 1.28598 dBm
 Insertion Loss Status: **PASS** Specification Insertion Loss: <3.0dB

Linearity/Attenuation Accuracy Test

Set (dB)	Actual	Error	Set (dB)	Actual	Error	Set (dB)	Actual	Error
1	-1.003365	-0.003365	21	-21.016850	-0.016850	41	-41.013130	-0.013130
2	-2.011636	-0.011636	22	-22.012790	-0.012790	42	-42.011470	-0.011470
3	-3.008040	-0.008040	23	-23.017210	-0.017210	43	-43.015010	-0.015010
4	-3.993519	0.006481	24	-24.014110	-0.014110	44	-44.009990	-0.009990
5	-4.991942	0.008058	25	-25.018200	-0.018200	45	-45.010110	-0.010110
6	-5.997443	0.002557	26	-26.022790	-0.022790	46	-46.013400	-0.013400
7	-7.005349	-0.005349	27	-27.011870	-0.011870	47	-47.009650	-0.009650
8	-8.034988	-0.034988	28	-28.017860	-0.017860	48	-48.013160	-0.013160
9	-9.022952	-0.022952	29	-29.023000	-0.023000	49	-49.014500	-0.014500
10	-9.993105	0.006895	30	-30.014230	-0.014230	50	-50.010000	-0.010000
11	-11.009620	-0.009620	31	-31.016850	-0.016850	51	-51.006540	-0.006540
12	-12.030140	-0.030140	32	-32.019130	-0.019130	52	-52.012690	-0.012690
13	-12.996540	0.003460	33	-33.017180	-0.017180	53	-53.005430	-0.005430
14	-14.020270	-0.020270	34	-34.019830	-0.019830	54	-54.003820	-0.003820
15	-15.022380	-0.022380	35	-35.011520	-0.011520	55	-54.998410	0.001590
16	-16.000280	-0.000280	36	-36.012400	-0.012400	56	-56.003860	-0.003860
17	-17.022960	-0.022960	37	-37.021130	-0.021130	57	-56.999820	0.000180
18	-18.004570	-0.004570	38	-38.015340	-0.015340	58	-58.000550	-0.000550
19	-19.016840	-0.016840	39	-39.013620	-0.013620	59	-58.999410	0.000590
20	-20.012670	-0.012670	40	-40.015480	-0.015480	60	-59.986410	0.013590



Specification: <+/-0.1dB Status: **PASS**


Procedure: JPS0011P	Agilent HP8156A	Sheet 2 of 4
Serial Number:	Customer Reference Number:	Certificate Number:
Date:	Calibrated By:	
Reference Equipment Used:		

Attenuation Repeatability

Set	Actual	Actual	Difference
6	-6.005573	-6.00347	-0.0021
12	-12.038253	-12.03754	-0.0007
18	-18.013497	-18.01303	-0.0005
24	-24.02341	-24.02330	-0.0001
30	-30.024227	-30.02407	-0.0002
36	-36.02282	-36.02279	0.0000
42	-42.022137	-42.02218	0.0000
48	-48.02259	-48.02278	0.0002
54	-54.002533	-54.00221	-0.0003
60	-59.929987	-59.93881	0.0088

Specification: <+/-0.01dB

Status: **PASS**

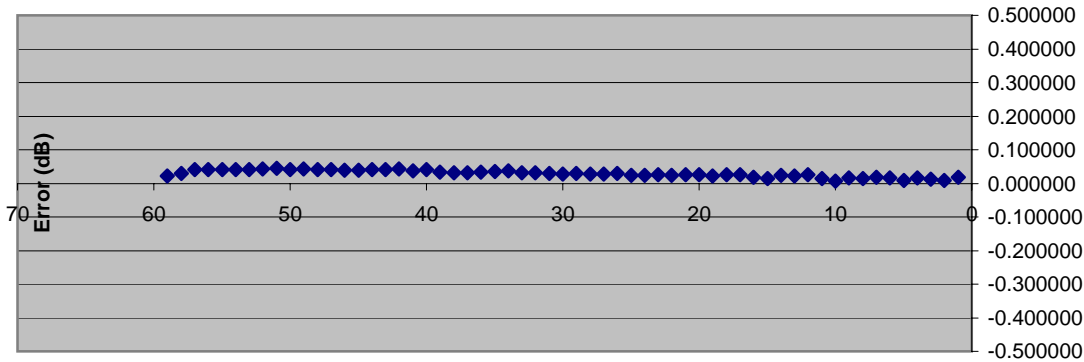
Procedure: JPS0011P	Agilent HP8156A	Sheet 3 of 4
Serial Number:	Customer Reference Number: 0	Certificate Number:
Date:	Calibrated By:	
Reference Equipment Used:		

Insertion Loss


Source Wavelength: 1546.8nm Ref Patchcord 1: Cal 03 9/125 FC/APC
 UUT Wavelength: 1546.8nm Ref Patchcord 2: Cal 13 9/125 FC/APC
 Source Power: 0.41302 dBm
 Measured Insertion Loss: -2.3563 dB Specification Insertion Loss: <3.0dB
 Insertion Loss Status: **PASS**

Linearity/Attenuation Accuracy Test

Set (dB)	Actual	Error	Set (dB)	Actual	Error	Set (dB)	Actual	Error
1	-0.981539	0.018461	21	-20.974250	0.025750	41	-40.959870	0.040130
2	-1.991316	0.008684	22	-21.975810	0.024190	42	-41.963710	0.036290
3	-2.988555	0.011445	23	-22.974990	0.025010	43	-42.957330	0.042670
4	-3.983827	0.016173	24	-23.975910	0.024090	44	-43.959700	0.040300
5	-4.991802	0.008198	25	-24.976240	0.023760	45	-44.958970	0.041030
6	-5.983081	0.016919	26	-25.971250	0.028750	46	-45.961170	0.038830
7	-6.981596	0.018404	27	-26.972910	0.027090	47	-46.961640	0.038360
8	-7.986639	0.013361	28	-27.972840	0.027160	48	-47.959850	0.040150
9	-8.984258	0.015742	29	-28.971130	0.028870	49	-48.958320	0.041680
10	-9.992745	0.007255	30	-29.972360	0.027640	50	-49.957330	0.042670
11	-10.984770	0.015230	31	-30.969690	0.030310	51	-50.959300	0.040700
12	-11.975090	0.024910	32	-31.968460	0.031540	52	-51.954860	0.045140
13	-12.978730	0.021270	33	-32.969480	0.030520	53	-52.956860	0.043140
14	-13.976390	0.023610	34	-33.963480	0.036520	54	-53.959420	0.040580
15	-14.986080	0.013920	35	-34.964960	0.035040	55	-54.958720	0.041280
16	-15.981480	0.018520	36	-35.966170	0.033830	56	-55.958810	0.041190
17	-16.974160	0.025840	37	-36.968600	0.031400	57	-56.959570	0.040430
18	-17.973890	0.026110	38	-37.965820	0.034180	58	-57.959590	0.040410
19	-18.978740	0.021260	39	-38.968280	0.031720	59	-58.969670	0.030330
20	-19.974940	0.025060	40	-39.967470	0.032530	60	-59.977230	0.022770



Specification: <+/-0.1dB Status: **PASS**

Procedure: JPS0011P	Agilent HP8156A	Sheet 4 of 4
Serial Number:	Customer Reference Number:	Certificate Number:
Date:	Calibrated By:	
Reference Equipment Used:		

Attenuation Repeatability

Set	Actual	Actual	Difference
6	-5.977601	-5.975713	-0.001888
12	-11.968537	-11.967453	-0.001084
18	-17.966597	-17.965587	-0.001010
24	-23.969017	-23.969003	-0.000014
30	-29.964910	-29.963520	-0.001390
36	-35.957077	-35.956880	-0.000197
42	-41.955957	-41.955653	-0.000304
48	-47.946200	-47.945833	-0.000367
54	-53.930957	-53.930980	0.000023
60	-59.875593	-59.870513	-0.005080

Specification: <+/-0.01dB

Status: **PASS**

Comments:

Procedure: As Derived from Agilent 8156A Operating Guide (second edition) Section D Ref JPSSL0012

Specification: Section C 8156A Operating Guide (second edition). Ref JPSSL0012

Reference Equipment:

Reference	Manf	Model	Serial	Description	Cal Due
JPS0081A				Lightwave Multimeter Mainframe	
JPS0086A				Dual FP Laser Source	
JPS0036A				Optical Interface Module	
JPS0084A				Optical Head	