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Calibration Certificate

Model number:	100A		
Serial number:	1019		
Calibration date:	12/1/2014	time:	5:00 PM
Operator Number:	1		

Calibration Equipment Used

Manufacturer	Model	Description	Tracking number	Cal Due Date
Hewlett-Packard	8714C	Vector network analyzer	107	1/1/2015
Hewlett-Packard	85052D	3.5 mm cal kit	121	1/1/2015
Hewlett-Packard	809C	Slotted line	ET102	6/15/2015
Beehive Electronics	ET103	Helmholtz coil	ET103	6/15/2015

<u>Frequency (MHz)</u>	<u>Output power at 1 microtesla field strength (dBm)</u>
1.000	-55.11
6.780	-38.97
10.000	-35.72
27.120	-27.45
30.000	-26.60
54.240	-21.42
100.000	-16.71
300.000	-6.92
1000.000	-0.94

Probe condition:

As found:

Cosmetic condition: pass
Impedance: pass

As left:

Cosmetic condition: pass
Impedance: pass

Calibration method:

Absolute accuracy calibration performed at 1 MHz using vector network analyzer and Helmholtz coil.
Frequency response calibration performed using vector network analyzer and slotted transmission line to generate the test magnetic field.

Environment:

The laboratory is maintained in a temperature controlled environment with ambient conditions from 18 to 28C and relative humidity less than 90%.

Traceability:

The test equipment listed above is traceable to SI units through the National Institute for Standards and Technology or other recognized national metrology institute.