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### Calibration Certificate

Model number:	100C		
Serial number:	3004		
Calibration date:	12/1/2014	time:	3:33 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>
0.100	-54.80
0.125	-52.86
0.150	-51.28
0.200	-48.78
0.300	-45.26
1.000	-34.80
3.000	-25.65
6.780	-18.78
10.000	-15.62
20.000	-10.24
27.120	-7.98
30.000	-7.26
100.000	-1.35
300.000	-2.39

#### 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.