



Engineering and Testing for EMC and Safety Compliance



Accredited under A2LA Testing Certificate # 2653.01

## Radiated Test Data

for Model:

STI Stopper Station 433.9 MHz

for

Resolution Engineering

RTL Project Number 2010027

Test Engineer: Jon Wilson

Radiated Test Data - OATS 1

Test Date: March 21, 2010

Work Order: 2010027

Customer Reference: na

Model: STI Stopper Station

Mode: 433.9

Name: Jon Wilson

Limit/Distance: FCC B/3m

Emission Frequency (MHz)	Test Detector	Analyzer Reading (dBuV)	Site Correction Factor (dB/m)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pass/Fail
434.007	Pk	60.3	32.9	93.2	100.8	-7.6	Pass
868.593	Pk	76.3	0.9	77.2	80.8	-3.6	Pass
1302.593	Pk	44.8	8.4	53.2	80.8	-27.6	Pass
1736.598	Pk	43.8	13.1	56.9	80.8	-23.9	Pass
2.169.78	Pk	34.9	9.0	43.9	80.8	-36.9	Pass
2.603.72	Pk	35.5	10.4	45.9	80.8	-34.9	Pass
3.037.67	Pk	37.2	8.8	46.0	80.8	-34.8	Pass
3.471.61	Pk	36.9	9.0	45.9	80.8	-34.9	Pass
3.905.55	Pk	36.4	10.9	47.3	80.8	-33.5	Pass
4.339.49	Pk	35.9	14.9	50.8	80.8	-30.0	Pass

## Radiated Emissions Test Equipment

Part	Manufacturer	Model	Serial Number	RTL Bar Code	Calibration Due Date
Amplifier (20 MHz-2 GHz)	Rhein Tech Laboratories, Inc.	PR-1040	900905	900905	4/10/2010
Bilog Periodic Antenna (25 MHz-2 GHz)	Schaffner Chase	CBL6112	2099	900791	12/12/2010
EMI Receiver RF Section (9 KHz-6.5 GHz)	Hewlett Packard	85462A	3325A00159	900913	6/8/2010
RF Filter Section (100 KHz-6.5 GHz)	Hewlett Packard	85460A	3330A00107	900914	6/8/2010
Spectrum Analyzer	Hewlett Packard	8596EM	3826A00144	901215	11/23/2010
Amplifier (1 GHz – 26.4 GHz)	Hewlett Packard	8449B OPT H02	3008A00505	900932	2/22/2011
Horn Antenna, 2.0-4.0 GHz	EMCO	3161-02	9804-1044	900772	6/13/2010
Horn Antenna, 4.0-8.2 GHz	EMCO	3161-03	9508-1020	900321	6/13/2010
Emissions Testing Software	Rhein Tech Laboratories, Inc.	Automated Emission Tester	Rev. 14.0.2	N/A	N/A