

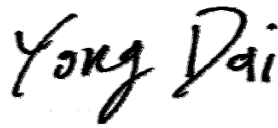


TEST REPORT

Report No.:	E201608175077-2	Application No.:	E201608175077
Client:	Building 36 Technologies ,LLC		
Address:	150 A Street, SUITE 104 NEEDHAM MA 02494 USA		
Sample Description:	Water Sensor		
Model:	B36-S12		
IC:	12323A-B36S12RA		
Test Specification:	RSS 210-issue 8		
Test Date:	2016-08-22 to 2016-08-24		
Issue Date:	2016-08-24		
Test Result:	<i>Pass.</i>		
Prepared By:	Reviewed By:	Approved By:	
Brian Xiao/ Test Engineer	Lynn Xiao / Technical Manager	Yong Dai / Manager	
			
Date:2016-08-24	Date:2016-08-24	Date:2016-08-24	
Other Aspects:			
<i>None</i>			
Abbreviations: <i>ok / P = passed; fail / F = failed; n.a. / N = not applicable</i>			
The test result in this test report refers exclusively to the presented test sample. This report shall not be reproduced except in full, without the written approval of GRGT.			

Maximum Permissible Exposure Compliance Requirement

1. LIMITS

The limit for general population/uncontrolled exposures

Frequency	Power density(mW/cm ²)	Averaging time(minutes)
300MHz~1.5GHz	F/1500	30
1.5GHz~100GHz	1.0	30

Frequency(MHz)	Power density(mW/cm ²)	Averaging time(minutes)
2402	1.0	30
2412	1.0	30
2437	1.0	30
2462	1.0	30
2480	1.0	30
5745	1.0	30
5785	1.0	30
5825	1.0	30

2. EUT RF Exposure

The field strength is 91.36dBuV (0.027mW) in 908.42MHz;

$$\frac{PG}{4R^2\pi}$$

According to the formula $S = \frac{PG}{4R^2\pi}$, we can calculate S which is MPE.

Now, R=20 cm, PG=0.027mW,

$$So, S = \frac{PG}{4R^2\pi} = \frac{0.027}{4 * 400 * 3.14} = 5.37e-6 \text{ mW/cm}^2$$

So the MPE comply the requirement.