

TEST REPORT

Report No.:	E201605121202-5	Application No.:	E201605121202
Applicant:	BloomSky, Inc		
Applicant Address:	723 N, Shoreline Blvd, Mountain View, CA 94043, United States		
Sample Description:	SKY		
Model:	SKY2		
Adding Model:	/		
FCC ID:			
Test Specification:	FCC Part 1.1310		
Test Date:	2016-05-12 to 2016-06-14		
Issue Date:	2016-06-14		
Test Result:	PASS		
Prepared By:	Reviewed By:	Approved By:	
Brian Xiao / Test Engineer	Lynn Xiao /Technical Manager	Yong Dai /Technical Manager	
			
Date:2016-06-14	Date:2016-06-14	Date:2016-06-14	
Other Aspects:			
/			
Abbreviations: ok / P = passed; fail / F = failed; n.a. / N = not applicable			
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.			

RF Exposure Compliance Requirement

1. LIMITS

The EUT has two modular(BT modular and WIFI modular). Frequency range is 2400~2483.5MHz,

The limit for general population/uncontrolled exposures

Frequency Range(MHz)	Electric Field Stength(V/m)	Magnetic Field Stength(A/m)	Power Density (mW/cm ²)	Averaging Time (minute)
Limits for General Population/Uncontrolled Exposure				
0.3-1.34	614	1.63	*(100)	30
1.34-30	824/f	2.19/f	*(180/f ²)	30
30-300	27.5	0.073	0.2	30
300-1500	/	/	f/1500	30
1500-100,000	/	/	1.0	30

f=frequency in MHz

*=Plane-wave equivalent power density

2. Prediction of MPE limit at given distance, equations from OET Bulletin 65, Edition 14 - 01:

$$S = (1.64 * P * G) / (4 * \pi * R^2) \text{ (where PG = ERP)}$$

$$S = (P * G) / (4 * \pi * R^2) \text{ (where PG=EIRP) Where:}$$

S = power density

P= power input to antenna

G= numeric gain of the antenna

R= distance to the center of radiation of the antenna

The WIFI modular and BT modular can not work together.

1. 802.11 B mode

Prediction frequency (MHz): 2462

Maximum RF output power (EIRP, dBm): 21.72

Maximum RF output power (EIRP, mW): 148.59

MPE limit for uncontrolled exposure at predication frequency (mW/ cm²): 1

$$\text{Prediction distance (cm) } R = \sqrt{\frac{P * G}{S * 4 * 3.14}} : 3.44\text{cm}$$

So the distance between the transmitter's radiating structure(s) and the body of the user or nearby persons is cannot less than 0.0344m.