

Statement of compliance to SAR

Applicant : RAE Systems Inc.
3775 N. 1st St., San Jose, California USA 95134

Manufacturing site : Same as applicant

Product Name : Honeywell BW CONNECT/BEACON

Type/Model : BWC-1001, BWC-1002

TEST RESULT : PASS

According to §2.1091, §2.1093 and §1.1307(b), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

According to Appendix A of KDB447498 D01 General RF Exposure Guidance v06, the SAR Test Exclusion Thresholds for 100 MHz – 6 GHz and ≤ 50 mm is showed below:

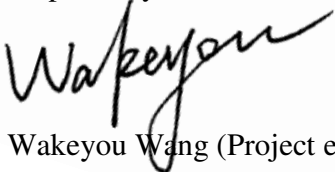
MHz	5	10	15	20	25	mm
150	39	77	116	155	194	SAR Test Exclusion Threshold (mW)
300	27	55	82	110	137	
450	22	45	67	89	112	
835	16	33	49	66	82	
900	16	32	47	63	79	
1500	12	24	37	49	61	
1900	11	22	33	44	54	
2450	10	19	29	38	48	
3600	8	16	24	32	40	
5200	7	13	20	26	33	
5400	6	13	19	26	32	
5800	6	12	19	25	31	

These calculations represent worst case in terms of the exposure levels.

The highest EIRP adjusted with tune-up tolerance is $5\text{dBm} + 1\text{dBi} = 6\text{dBm} = 3.98\text{mW} < \underline{10\text{mW}}$ (Test Exclusion Thresholds of 2450MHz at 5mm). Therefore, the SAR requirement is deemed to be satisfied without test.

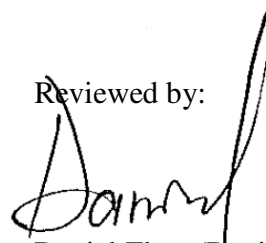
Date of issue: March 9, 2018

Prepared by:



Wakeyou Wang (Project engineer)

Reviewed by:



Daniel Zhao (Reviewer)