

## RF Exposure Compliance Requirement

Test Requirement: FCC part 15 section 15.247 (i)  
Test Method: FCC part section 1.1307 (b1)  
OET Bulletin 65, Edition 01-01

FCC ID: 2ACD5WAG-WPT-UNI

### **Results: PASS**

Systems operation under the provision of this section shall be operated in a manner that ensures the public is not exposed to radio frequency energy levels in excess of the Commission's guideline,

The EUT is considered as a mobile device according to OET Bulletin 65, Edition 01-01, therefore distance to human body of min. 20cm is determined.

Frequency Band:	2402MHz-2480MHz
Device Category:	<input type="checkbox"/> Portable (< 20cm separation ) <input checked="" type="checkbox"/> Fixed ( >20cm separation ) <input type="checkbox"/> Others :
Exposure Classification:	<input type="checkbox"/> Occupational/ Controlled exposure <input checked="" type="checkbox"/> General Population / Uncontrolled exposure
Max. Output Power	0.397mW for BT3.0 (2480MHz) + 0.383mW for BLE (2480MHz) =Max 0.780mW
Antenna Gain	2.66dBi for BT3.0 Antenna 2.12dBi for BLE Antenna
Evaluation Applied:	<input checked="" type="checkbox"/> MPE Evaluation <input type="checkbox"/> SAR Evaluation

MPE calculation:

The radiated (EIRP) = 0.78mW

The power density at 20cm from the antenna: = EIRP /  $4\pi R^2$   
= 0.000155mW / cm<sup>2</sup>

### **Limits for General Population/Uncontrolled Exposure [OET Bulletin 65, Edition 01-01]:**

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E <sup>2</sup> ,  H <sup>2</sup> or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f <sup>2</sup> )*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30