



RF exposure Estimation

RF Exposure Compliance Requirement

Test Requirement: FCC part 15 section 15.247 (i)
 Test Method: FCC part 15 section 1.1307 (b1)
 OET Bulletin 65, Edition 01-01
 FCC ID: ACJ96NKX-HNC800

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:	2412-2462MHz for 2.4GWiFi 5150-5350MHz 5470-5725MHz 5725-5850MHz for 5GWiFi
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	16.38dBm (Conducted Peak Power)
Evaluation Applied:	<input checked="" type="checkbox"/> MPE Evaluation <input type="checkbox"/> SAR Evaluation

MPE calculation:

The radiated (EIRP) = 43.45mW

The power density at 20cm from the antenna: $= \text{EIRP} / 4\pi R^2$
 $= 0.00865\text{mW} / \text{cm}^2 < 1.0\text{mW}/\text{cm}^2$

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 ²)	Averaging Time E ² , H ² or S (minutes)
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



- TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch -

Reviewed by:

Prepared by:

A handwritten signature in black ink that reads 'John Zhi'.

John Zhi
Section Manager

A handwritten signature in black ink that reads 'Alan Xiong'.

Alan Xiong
Project Engineer