



LS RESEARCH
Wireless Product Development

Exemption from Routine Evaluation Exhibit

Customer Name: LS Research
IC Number: 5969A-TIWI101

RSS 102 Section 2.5 states that all transmitters that meet the output power requirements as stated in section 2.5.1 and 2.5.2 of RSS 102 are exempt from routine SAR and RF exposure evaluation.

Output Power Evaluation.

Evaluation Frequency = 2480MHz

Device Operation separation distance: *>20cm*

Maximum Effective Isotropic Radiated Power (dBm) = 10.05 dBm + 4.3dBi = 14.35dBm

Maximum Effective Isotropic Radiated Power (mW) = $\log^{-1}(\text{EIRP}(\text{dBm})/10)$ = 27.23mW

Section 2.5.1 general public use limit at for devices operating less than or equal to 20cm:

Frequency	Limit
3kHz to 1GHz	200mW
1GHz-2.2GHz	100mW
2.2GHz-3GHz	20mW
3GHz-6GHz	10mW

Section 2.5.2 general public use limit at for devices operating more than 20cm:

Frequency	Limit
< 1.5GHz	2.5W
>1.5	5W

Conclusion:

Since the maximum effective radiated power (ERP) is less than the applicable section limit, the Product is exempt from SAR/RF Evaluation