

# RF Exposure

FCC ID: 2AXEJTABT1

## 1.0 INTRODUCTION

These calculations are based on the highest EIRP possible from the EUT considering maximum power and antenna gain. The highest output power of the EUT is 8.2 dBm and the gain of the antenna is 2.1 dBi

Tested by	Richard Tichgelaar
Date	9/2/2020
Spec Analyzer	REC-31
Cables:	044F
Attenuator:	53

### Direct Connect Peak Power

Frequency	Spec An	Cable	Peak Power
MHz	dBm	Loss dB	dBm
2402	-14.2	20.6	6.4
2441	-13.1	20.6	7.5
2480	-12.4	20.6	8.2

## 2.0 SAR EXCLUSION RESULT BLUETOOTH

In accordance with FCC KDB Publication 447498 D01 V06 Clause 4.3.1 a),  
The 1-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$$[(\text{max. power, mW})/(\text{min. separation distance, mm})] \times [\sqrt{f_{(\text{GHz})}}] \leq 3.0$$
 for 1-g extremity SAR, where  
•  $f_{(\text{GHz})}$  is the RF channel transmit frequency in GHz

The antenna has a 2.1 dB gain

MHz	Max Power dBm	Tune up tolerance dB	Max Ant Gain dBi	Duty Cycle %	EIRP mW	Min Sep mm	SAR Exc Threshold 4.3.1 a)	Limit 1-g	Result
2402	6.4	1.0	2.1	100.0	8.913	10	1.3813	3.0	Exempt
2441	7.5	1.0	2.1	100.0	11.482	10	1.7938	3.0	Exempt
2480	8.2	1.0	2.1	100.0	13.490	10	2.1243	3.0	Exempt

Judgement: The product is exempt from SAR testing