

# TEST REPORT

**Product Name** : Bluetooth module  
**Brand Mark** : ABLUE TECH  
**Model No.** : PTR5620  
**FCC ID** : 2AWMN-PTR5620  
**Report Number** : BLA-EMC-202006-A3702  
**Date of Sample Receipt** : 2020/6/15  
**Date of Test** : 2020/7/6 to 2020/7/6  
**Date of Issue** : 2020/7/6  
**Test Standard** : 47 CFR Part 1.1307, Part 2.1093, KDB  
447498  
**Test Result** : Pass

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# RF EXPOSURE EVALUATION

## 1.1 RF Exposure Compliance Requirement

### 1.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

### 1.1.2 Limits

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances  $\leq 50$  mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot$$

$$[\sqrt{f(\text{GHz})}] \leq 3.0 \text{ for 1-g SAR and } \leq 7.5 \text{ for 10-g extremity SAR, where}$$

- ☐  $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- ☐ Power and distance are rounded to the nearest mW and mm before calculation<sup>17</sup>
- ☐ The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is  $< 5$  mm, a distance of 5 mm is applied to determine SAR test exclusion

## 1.1.3EUT RF EXPOSURE

Operational Mode: BLE						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power (dBm)	Maximum tune-up Power (mW)	Calculated value	Exclusion threshold
2402MHz	-0.44	$\pm 1$	0.56	1.14	0.35	3
2442MHz	-0.80	$\pm 1$	0.2	1.05	0.33	3
2480MHz	-1.11	$\pm 1$	-0.11	0.97	0.31	3
Conclusion: the calculated value $\leq 3.0$ , SAR is exempted.						

### ----END OF REPORT----

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