

## TEST REPORT

<b>Product Name</b>	:	Bluetooth module
<b>Brand Mark</b>	:	ABLUETECH
<b>Model No.</b>	:	PTR9813
<b>FCC ID</b>	:	2AWMN-PTR9813
<b>Report Number</b>	:	BLA-EMC-202006-A36-02
<b>Date of Sample Receipt</b>	:	2020/6/15
<b>Date of Test</b>	:	2020/6/15 to 2020/7/6
<b>Date of Issue</b>	:	2020/7/6
<b>Test Standard</b>	:	47 CFR Part 1.1307, Part 2.1093, KDB 447498
<b>Test Result</b>	:	Pass

Prepared for:

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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

### 1.1.3 EUT RF EXPOSURE

<b>Operational Mode: BLE</b>						
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	-0.04	±1	0.96	1.25	0.39	3
2442MHz	-0.24	±1	0.76	1.19	0.37	3
2480MHz	-0.76	±1	0.24	1.06	0.33	3

Conclusion: the calculated value  $\leq 3.0$ , SAR is exempted.

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

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