



SAR exemption evaluation

Applicant VivaChek Biotech (Hangzhou) Co., Ltd.
FCC ID 2APAPVGM34
Product VivaChek Eco BLE Blood Glucose Meter
Brand VivaChek
Model VGM34
Marketing EU
Report No. R1904A0157-S1
Issue Date May 21, 2019

Performed by: Yu Wang

Approved by: Guangchang Fan

TA Technology (Shanghai) Co., Ltd.

No.145, Jintang Rd, Tangzhen Industry Park, Pudong Shanghai, China

TEL: +86-021-50791141/2/3

FAX: +86-021-50791141/2/3-8000

**Conducted Power**

Bluetooth (Low Energy)	Average Power (dBm)			Tune-up Limit (dBm)
	Ch 0/2402 MHz	Ch 19/2440 MHz	Ch 39/2480 MHz	
GFSK	-0.70	-1.26	-1.96	1.00

Per KDB 447498 D01, the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR

- f(GHz) is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Per KDB 447498 D01, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion.

Band	Configuration	Frequency (MHz)	Distance (mm)	MAX Power (dBm)	Ratio	SAR test exclusion thresholds	Evaluation
Bluetooth	Head	2480	5	1.00	0.053	3	No

Note: Based on SAR test exclusion, all values meet the SAR test exclusion thresholds and are exempt from routine RF exposure evaluation.