

FCC SAR Exemption per KDB 447498


KDB 447498 D01 General RF Exposure Guidance v06 (October 23, 2015)

1. Declaration of RF exposure compliance for exemption from routine evaluation limits

FCC ID:	2A6AL-RWR2
Model number:	Partitioning Engine REF: 10100846
Manufacturer:	Roche Molecular Systems Inc. 1080 US Highway 202 South Branchburg, New Jersey, USA
Minimum separation distance	5 mm
Operational frequency	13.56 MHz
Maximum EIRP	-57.67 dBm (0.000001 mW)
4.3.1. Standalone SAR test exclusion considerations:	<p>Calculation according to KDB 447498 D01, clause 4.3.1:</p> <ol style="list-style-type: none"> $\frac{1}{2} [1 + \log(\frac{100}{100})] \times [(Power\ allowed\ at\ numeric\ threshold\ for\ 50\ mm\ in\ step\ a) + (50\ mm - 50\ mm) \times (\frac{100}{150})]$ $\frac{1}{2} [1 + 0] \times [((Power\ allowed\ at\ numeric\ threshold\ for\ 50\ mm\ in\ step\ a)) + (0) \times (\frac{100}{150})]$ $\frac{1}{2} \times [Power\ allowed\ at\ numeric\ threshold\ for\ 50\ mm\ in\ step\ a]$ $\frac{max\ power}{min\ distance} \times \sqrt{f} \leq 3.0$ $max\ power \leq \frac{3.0 \times min\ distance}{\sqrt{f}}$ $max\ power \leq \frac{3.0 \times min\ distance}{\sqrt{0.1\ GHz}} = 474\ mW$ $max\ power = \frac{1}{2} \times 474\ mW = 237\ mW$ <p>The ERP of the EUT is 0.000001 mW which is less than the maximum allowed power.</p>

2. Attestation

ATTESTATION: I attest that the testing was performed or supervised by me; that the test measurements were made in accordance with the above-mentioned departmental standard(s), and that the radio equipment identified in this application has been subject to all applicable test conditions specified in the departmental standards and all of the requirements of the standards have been met.

Signature:	
Date:	August 23, 2022
Name:	Abdoufataou Salifou, Test Engineer