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FCC ID: *** To whom it may concern,

We, UL Japan, Inc, hereby declare that Wireless Module, model: +++ (FCC ID: ***) of @@@ Company is exempt from RF exposure SAR evaluation as its output power meets the exclusion limits stated in FCC Part 2 § 2.1093.

KDB 447498 DO1 has the following exclusion for portable devices: The 1g and 10g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances \leq 50mm are determined by:

[(max. power of channel, including tune-up tolerance, mW)/(min. test separation distance, mm)] $\cdot [\sqrt{f}(GHz)] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where $\cdot f(GHz)$ is the RF channel transmit frequency in GHz \cdot Power and distance are rounded to the nearest mW and mm before calculation \cdot 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.

This device has f = 2.48 GHz and distance = 5 mm (minimum separation distance: 5mm was used in the calculation) and the maximum tune-up tolerance limit was 1.64mW* * Clause 6.3 Low transmission duty factor devices of KDB447498 DO1 was applied to this product due to its specification. Maximum tune-up tolerance limit = Conducted Output power (10dBm)*Antenna Gain (2.14dBi)*duty cycle correction factor (-10dB)

So for this device:

1.64mW[maximum tune-up tolerance limit]/5mm[minimum separation distance]* $\sqrt{2}$.48 = 0.52 *This is less than 3.0 so no SAR is required.

Thank you for your attention to this matter. <u>Taro UL</u> Manager of ISE EMC Lab. UL Verification Services Inc.