



Radio Frequency Exposure

EUT INFORMATION

FCC ID	2AZOE-TS01
EUT	Templus Smart Thermometer
Frequency band (Operating)	2412 MHz ~ 2462 GHz
Antenna diversity	<input checked="" type="checkbox"/> Single antenna <input type="checkbox"/> Multiple antennas <input type="checkbox"/> Tx diversity <input type="checkbox"/> Rx diversity <input checked="" type="checkbox"/> Tx/Rx diversity
Max. output power	-17 dBm
Antenna gain (Max)	2 dBi

TEST RESULT

According to KDB 447498 section 4.3.1, the 1-g SAR test exclusion thresholds at test separation distance ≤ 50 mm are determined by:

$$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] \leq 3.0$$

The max. power of channel, including tune-up tolerance(mW) is 0.0398 mW @ 2.462 MHz (With Tune-up tolerance),

The min. test separation distance (mm) is 5 mm,

So, $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] = 0.0125 < 3.0$ (With Tune-up tolerance).

Therefore, standalone SAR measurements are not required for both head and body.

Tested By:

Aug. 10, 2020

(Date)

Bing / Project Engineer

Reviewed by:

Aug. 10, 2020

(Date)

Bell / Manager

FCC Designation Number: TW2954