



Radio Frequency Exposure

EUT INFORMATION

FCC ID	2ANH6-BTH202
EUT	Waterproof Wireless Earphones
Frequency band (Operating)	Bluetooth: 2.402 GHz ~ 2.480 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	GFSK: 6.26 dBm (4.23 mW)
Antenna gain (Max)	3.4 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. average power of channel, including tune-up tolerance(mW) is 5.01 mW @ 2480 MHz (With Tune-up tolerance),

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

So, $[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] * [\sqrt{f(\text{GHz})}] = 5.01/5 * \sqrt{2.480} = 1.58 < 3.0$ (With Tune-up tolerance).

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



Modulation Type	Channel	Frequency (MHz)	Peak Power Output (dBm)	Tune up Tolerance (dBm)	Tune up Power (mW)
GFSK	0	2402	6.26	6±1	5.01
	19	2440	6.03	6±1	5.01
	39	2480	6.18	6±1	5.01

Tested By:

Dec. 26, 2017

Date

Bell Wei/ Engineer

Reviewed by:

Dec. 26, 2017

Date

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