

Client: Fitbit, Inc.	Job Number: J98547
Model: FB406	T-Log Number: T98569
Contact: Michelle Turcotte	Project Manager: Deepa Sheety
Standard: FCC 15.247, IC RSS-247, LP 0002	Project Coordinator: -
	Class: N/A

SAR Exclusion

Test Specific Details

Objective: The objective of this test session is to perform final qualification testing of the EUT with respect to the specification listed above.

Date of Test: 12/18/2015

Test Engineer: Mark Hill

General Test Configuration

Per KDB 447498 D01, Section 4.3.1 - The 1-g and 10-g SAR test exclusion thresholds for 100MHz to 6GHz at a test separation distance $\leq 50\text{mm}$ is determined by:

$$\left[\frac{(\text{max. power of channel, including tune-up tolerance, mW})}{(\text{min. test separation distance, mm})} \right] * [(\text{freq in GHz})^{0.5}] \leq 3 \text{ (for 1-g) or } 7 \text{ (10-g)}$$

Summary of Results

Device complies with SAR exclusion at 5mm separation:	Yes
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Modifications Made During Testing

No modifications were made to the EUT during testing

Deviations From The Standard

No deviations were made from the requirements of the standard.

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FCC SAR Exclusion Calculation

Freq. MHz	EUT Power		Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Separation Distance (mm)	SAR Exclusion Calc.	SAR Exclusion Limit
2480	3.6	mW*	0	-7.4	3.6	0.42	5.0	0.72	7.0

Industry Canada SAR Exclusion Calculation (Highest of output power or EIRP)

Freq. MHz	EUT Power		Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Separation Distance (mm)	Maximum Power or EIRP	SAR Exclusion Limit (mW)
2480	3.6	mW*	0	-7.4	3.6	0.42	5.0	2.29	10.0

Note: The 10-g SAR exclusion thresholds were used per RSS-102 and KDB 447498 D01, Section 6.2. The device would not be used next to mouth.

Note: the worse case output power across all modes was used. This represents the highest output power including production tolerances.