Client:	Fitbit, Inc.	Job Number:	J97928
Model:	FB502	T-Log Number:	T98212
		Project Manager:	Deepa Shetty
Contact:	Sachin Sawalapurkar	Project Coordinator:	-
Standard:	FCC 15.247, IC RSS-247, LP 0002	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: 11/30/2015

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 ≤ 50mm is determined by:

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

Summary of Results

Device complies with SAR exclusion at 5mm separation:	Yes

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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Standard:	FCC 15.247, IC RSS-247, LP 0002	Class:	N/A

FCC SAR Exclusion Calculation (based on conducted power)

Freq. MHz	EUT Power dBm	EUT Power mW*	Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Separation Distance (mm)	SAR Exclusion Calc.	SAR Exclusion Limit
2480	5.7	3.7	0	-1.15	5.7	2.85	5.0	1.17	3.0

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

Freq. MHz	EUT Power dBm	EUT Power mW*	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	5.7	3.7	0	-1.15	5.7	2.85	5.0	3.72	4.0

Note: The body (1-g) SAR exclusion thresholds were used, as it is reasonable to assume the product could be located close/adjacent to the body, not just on the extremities

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