Client:	Fitbit, Inc.	Job Number:	JD105947
Model:	FB409	T-Log Number:	T106007
		Project Manager:	Deepa Shetty
Contact:	Ricky Wang	Project Coordinator:	-
Standard:	FCC 15.247, 15.209 / RSS-247, RSS-210 / LP0002	Class:	N/A

Maximum Permissible Exposure / 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: 5/3/2018
Test Engineer: David Bare

General Test Configuration

MPE Calculation uses the free space transmission formula:

$$S = (PG)/(4 \, \pi d^2)$$

Where: S is power density (W/m^2), P is output power (W), G is antenna gain relative to isotropic, d is separation distance from the transmitting antenna (m).

SAR Exclusion for FCC uses the formula from KDB 447498 D01:

[(max. power of channel, including tune-up tolerance, mW) / (min. test separation distance, mm)] · [√f(GHz)]

Summary of Results

Device complies with SAR exclusion at 5 mm separation for extremities:	Yes

FCC SAR Exclusion Calculation

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	5.0	3.2	0	-10.0	5.0	0.32	5.0	1.00	7.5

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	5.0	3.2	0	-10.0	5.0	0.32	5.0	3.2	10.0