



EMC Test Data

Client: Fitbit, Inc.	Job Number: J95447
Model: FB501 (Proton)	T-Log Number: T95507
	Project Manager: Deepa Shetty
Contact: Arndt Hufenbach	Project Coordinator: Irene Rademacher
Standard: FCC 15.247/RSS-210/LP 00002	Class: N/A

SAR Exclusion Calculation

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: 8/5/2014
 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:

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

Summary of Results

Device complies with SAR exclusion at 5mm separation:	Yes
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SAR Exclusion Calculation

Freq. GHz	EUT Power		Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Separation Distance (mm)	SAR Exclusion Calc.	SAR Exclusion Limit
	dBm	mW*							
2.402	6.5	4.5	0	-2.22	6.5	2.68	5	1.38	3
2.441	6.5	4.5	0	-2.22	6.5	2.68	5	1.40	3
2.48	6.6	4.6	0	-2.22	6.6	2.74	5	1.44	3