

Client: Tivo	Job Number: J94776
Model: TCDA93000	T-Log Number: T95026
	Project Manager: Sheareen Jacobs
Contact: Jim Inokuchi	Project Coordinator:
Standard: FCC Part 15	Class: B

SAR Exclusion

Test Specific Details

Objective: Evaluate the RF Exposure requirements per FCC 1.1310, 2.1091 and RSS-102.

Date of Test: 7/18/2014
 Test Engineer: David Bare

General Test Configuration

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

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

Summary of Results

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

Freq. GHz	EUT Power		Ant Cable Loss dB	Power at Ant dBm	Separation Distance (mm)	SAR Exclusion Calc.	SAR Exclusion Limit
	dBm	mW*					
2.425	-2.7	0.5	0	-2.7	5	0.17	3
2.45	-3.8	0.4	0	-3.8	5	0.13	3
2.475	-4.9	0.3	0	-4.9	5	0.10	3