



EMC Test Data

Client:	DoesSmart	PR Number:	PR087942
Model:	Smart Cap	T-Log Number:	TL087942-RA-FCC
Contact:	David MacVittie	Project Manager:	Deepa Shetty
Standard:	FCC Part 15	Project Engineer:	David bare
		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: 5/31/2019

Test Engineer: David Bare

General Test Configuration

Calculation uses the formula for FCC KDB 447498 D01:

$$[P / d \cdot \sqrt{f(\text{GHz})}]$$

Where: $f(\text{GHz})$ is the channel frequency GHz (GHz), P is output power (mW) and d is minimum separation distance from the transmitting antenna (mm).

Summary of Results

Device complies with SAR exclusion at 5 mm separation:	Yes
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Deviations From The Standard

No deviations were made from the requirements of the standard.

FCC SAR Exclusion Calculation

Freq. MHz	EUT Power		Cable Loss	Ant Gain	Power at Ant	EIRP	Separation Distance (mm)	SAR Exclusion Calc.	SAR Exclusion Limit for Body Worn
	dBm	mW*	Loss dB	dBi	dBm	mW			
2480	-4.3	0.4	0	0.5	0.0	1.12	5.0	0.31	3.0

Rounded up to 0 dBm (1 mW)

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

Freq. MHz	EUT Power		Cable Loss	Ant Gain	Power at Ant	EIRP	Separation Distance (mm)	Maximum Power or EIRP	SAR Exclusion Limit (mW) for Body Worn
	dBm	mW*	Loss dB	dBi	dBm	mW			
2480	-4.3	0.4	0	0.5	-4.3	0.42	5.0	0.42	3.95