



EMC Test Data

Client:	Sanmina - SCI	Job Number:	PR076543
Model:	Access Handle, Smart Lock with Bluetooth	T-Log Number:	TL076543
Contact:	Max Raviani	Project Manager:	-
Standard:	FCC 15.247, RSS-247	Project Coordinator:	-
		Class:	N/A

Maximum Permissible Exposure / SAR Exclusion

Test Specific Details

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

Date of Test: 10/12/2018

Test Engineer: Deniz Demirci

General Test Configuration

Calculation uses the free space transmission formula:

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

Where: S is power density (W/m²), P is output power (W), G is antenna gain relative to isotropic, d is separation distance from the transmitting antenna (m).

Summary of Results

Device complies with SAR exclusion at 5 mm separation:	Yes
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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.

FCC SAR Exclusion Calculation

Freq. MHz	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*							
2402	3.9	2.5	0.2	2.0	3.7	3.72	5	0.73	3.0
2440	3.5	2.2	0.2	2.0	3.3	3.39	5	0.67	3.0
2480	3.4	2.2	0.2	2.0	3.2	3.31	5	0.66	3.0

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

Freq. MHz	EUT Power		Cable Loss Loss dB	Ant Gain dBi	Power at Ant dBm	EIRP mW	Separation Distance (mm)	Maximum Power or EIRP	SAR Exclusion Limit (mW)
	dBm	mW*							
2402	3.9	2.5	0.2	2.0	3.7	3.72	5	3.72	4.0
2440	3.5	2.2	0.2	2.0	3.3	3.39	5	3.39	4.0
2480	3.4	2.2	0.2	2.0	3.2	3.31	5	3.31	4.0