

Exhibit: RF Exposure – FCC/ISED

FCC/ISED RF exposure evaluation of the System in accordance with FCC 1.1310 & RSS-102 COMMERCIAL-IN-CONFIDENCE

FCC: Q8SSAFFIREEVOM & 2AU49-DA16200MC IC: 4652A-SAFFIREEVOM & 25650-DA16200MC

Client	Dormakaba	
Product	Saffire LX Deadbolt & Saffire Evo LX Deadbolt	SUD
Standard(s)	FCC 1.1310 & RSS-102	Canada

RF Exposure – ISED

The EUT contains an several types of transmitters as depicted in the table below.

Radiofrequency Radiation Exposure Evaluation: Mobile Devices

The power density can be calculate using the formula:

$$P_d = (P_{out}*G) / (4*pi*R^2)$$

where,

f = frequency in MHz

 P_d = Power density in mW/cm²

 $P_{out} = Conducted$ output power to antenna in mW

G = Numeric Antenna Gain

Pi = 3.1416

R = uncontrolled distance of 20 cm as per normal operation.

Client	Dormakaba	
Product	Saffire LX Deadbolt & Saffire Evo LX Deadbolt	SUD
Standard(s)	FCC 1.1310 & RSS-102	Canada

MPE Calculation (RFID):

	Prediction of MPE limit at a given distance		
Equation	n from page 18 of OET Bulletin 65, Edition 97-01		
•	$S = \frac{PG}{4\pi R^2}$		
where:	S = power density		
	P = power input to the antenna		
	G = power gain of the antenna in the direction of	interest relative to an isot	ropic radiat
	R = distance to the center of radiation of the ante		
	m peak output power at antenna input terminal:	-37.10	
Maximu	n peak output power at antenna input terminal:	0.000194984	(mW)
	Number of Ports		
	Antenna gain(typical):	0	
	Antenna gain(total):		(dBi)
	Maximum antenna gain:		(numeric)
	Time Averaging:		(%)
	Prediction distance:		(cm)
	Prediction frequency:		(MHz)
FCC MPE limit for	uncontrolled exposure at prediction frequency:	0.978933354	(mW/cm ²
	Power density at prediction frequency:	0.000000	(mW/cm^2
	Margin of compliance:	-74.0	(dB)
	This equates to	3.87909E-07	W/m^2
	RSS-102 Issue 5 limit	0.155568538	W/m^2
		0.00000%	
	FCC Percentage of limit	0.0000070	

Page 3 of 5	Report Issued: 9/20/2023	7169013355B-000
-------------	--------------------------	-----------------

Client	Dormakaba	
Product	Saffire LX Deadbolt & Saffire Evo LX Deadbolt	TÜV
Standard(s)	FCC 1.1310 & RSS-102	Canada

MPE Calculation (BlueTooth TM):

	Prediction of ME	PE limit at a given d	istalice			╀
Equatio	n from page 18 of 0	DET Bulletin 65, Edi	tion 97-01			ŀ
	$S = \frac{PG}{4\pi R^2}$					
where:	S = power density	/				t
	P = power input to	the antenna				t
			direction of in	nterest relative to an isot	ropic rad	ia
		e center of radiation				Ī
						İ
						Ť
		er at antenna input		-13.30		
Maximu	m peak output pow	er at antenna input	terminal:	0.046773514	(mW)	
		Numbe	r of Ports	1		
		Antenna gair	n(typical):	0		
		Antenna g		0	(dBi)	
		Maximum ante	nna gain:	1	(numerio	c)
		Time A	veraging:	100	(%)	
		Prediction	distance:	20	(cm)	
		Prediction fr	equency:	2400	(MHz)	
FCC MPE limit for	r uncontrolled expo	sure at prediction fr	equency:	1	(mW/cm	٨
						Ļ
	Power de	nsity at prediction fr	equency:	0.000009	(mW/cm	lv.
		Margin of cor	npliance:	-50.3	(dB)	t
		This equates to		9.30529E-05	W/m^2	
		RSS-102 Issue 5	imit	5.347759415	W/m^2	Ť
		FCC Percentag	e of limit	0.00093%		Ť
		1 OO 1 Groomay	je or milit			

Page 4 of 5	Report Issued: 9/20/2023	7169013355B-000	

Client	Dormakaba	
Product	Saffire LX Deadbolt & Saffire Evo LX Deadbolt	SUD
Standard(s)	FCC 1.1310 & RSS-102	Canada

MPE Calculation (WiFi TM):

	Prediction of MPE	limit at a given o	<u>listance</u>			
Equatio	n from page 18 of OET	Γ Bulletin 65, Editio	on 97-01			
	$S = \frac{PG}{4\pi R^2}$					
where:	S = power density					
	P = power input to t	he antenna				
	G = power gain of th	e antenna in the d		t relative to an isotrop	oic radiato	ır
	R = distance to the	center of radiation	of the antenna			
Mayin	num peak output powe	er at antenna innut	terminal:	20.09	(dBm)	
	num peak output powe			102.0939484		
			r of Ports	1	()	
		Antenna gain	(typical):	0		
		Antenna g	ain(total):	2	(dBi)	
		Maximum ante	nna gain:	1.584893192)
			veraging:	100	(%)	
		Prediction			(cm)	
		Prediction fr			(MHz)	
FCC MPE limit	for uncontrolled expos	ure at prediction fr	equency:	1	(mW/cm/	2
	Power den	sity at prediction fr	equency:	0.032191	(mW/cm/	١2
		Margin of cor	mpliance:	-14.9	(dB)	
		his equates to		0.321906795	W/m^2	
	F	RSS-102 Issue 5 lir		5.423649309	W/m^2	
		FCC Percentag		3.21907%		
	F	RSS-102 Percentag	ge of limit	5.93524%		

Combined, the total of all three RF protocols operating simultaneously is less than 10% of the applicable limit. The device passes the requirement(s) at all applicable frequencies combined.

Page 5 of 5	Report Issued: 9/20/2023	7169013355B-000
-------------	--------------------------	-----------------