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RF EXPOSURE CALCULATIONS

Requirement:

According to USA CFR 15 §1.1307 (b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

	10, 2.1091/1093, 447498 E -102 Issue 6, Safety Code 6	Test Date: Test Engineer:	31-Jan-25 J. Brunett	
Min. Sep. Distance:	20 cm		EUT:	GoJo Badge Locator
			EUT Mode:	CW
			Meas. Distance:	3m
		Canada I	SED Safety Code 6 USA E	FCC 1 1310 MPF

	En man av Dan d						Canada ISED Safety Code 6		USA FCC 1.1310 MPE			
RO		Frequency Band		EIRP+Duty		EIRP	S20cm	FRL		MPE	Limit	
KU		Start	Stop	(RMS)	Tune Up	(Avg)	(Avg)	RSS-102 6.6	SAR Ratio	Tab	e 1	MPE Ratio
	Mode	MHz	MHz	dBm	dB	mW	mW/cm2	mW		(mW/	cm2)	
R1	BLE (CW)	2402.00	2480.00	9.4	0.000	8.710	0.002	2676.424	0.003	1.000		0.002
R2												
R3												
R6												
R7								Total MPE	0.003		Total MPE	0.002
R8								MPE Ratio < 1	YES		MPE Ratio < 1	YES
#	C1	C2	C3	C4	C5	C6	C7	C9	C10	C11	C12	C13

(ROW) (COLUMN) NOTE:

R0 C4 No duty factor were applied to demonstrate compliance

R0 $C5 \qquad \ \ TUNE \ UP - The \ manufacturer \ declares \ +/-0dB \ tune \ up.$

R0

C6 E20cm = EIRP+Tune Up+95.2+20*LOG(3/0.2) C7 EIRP+Tune up (mW) = S (mW/cm^2)/ 4 x PI x 20cm^2 C9 mW/cm2 limit = 0.1*W/m2 R0

R0