This small memory device must be inserted into a memory card slot for operation. Supporting Card programmers may be attached to computer equipment for programming. In the programming mode (connected to a computer) the transmitter is inoperable. Once programmed, the card would be removed and placed in the remote mounted equipment for use. In this mode the device may provide wireless access for use in updating the data held on the memory card providing information for the end user. The transmitting antenna element is located inside the plastic enclosure providing typical separation distances greater than 6 mm. In this state (with the transmitter operational) the device will remain at least 20 cm from the user.

The User manual indicates a separation distance of 20 cm for mobile configuration and RF exposure compliance.

	Model Flight Stream 510		est Number	151103		
			power added to the anteuna gain in dBi.			
	dBi = dB gain compared to :					
	S = power density is mW/en	0.7			Antenna Gaio (dBi)	
		Output Power		dBd + 2.17 = dBi	dBi to dBd	
a Frequency (MHz)	2437		0.008974		Antenna Gain (dBd)	
croquincy (state)	2101	Andratoodd ( ++ data)	0.000214		/ Matcoba Grap (sabs)	
able Lous (dB)	0.0	(dBm)		F	Antenna minue cable (dBi)	1
		1000				
	Calculated ERP (mw) 8.054 Calculated EIRP (mw) 13.274			EIRP = Po(dBM) + Gain (dB)	Radiated (EIRP) dBm	112
	Calculated Eliter (mw)	percent of the second second second second		ERP = EIRP - 2 17 dB	Radated (EIRP) ddei	
		Power density (S)		100 - 100 - 1 - 100	Radiated (ERP) dBra	91
		EIRP			The second second second	
		= mW/cm	12			
		4 p r 2	58			
		EERP (mW), r (cm)				
	Occupational Limit		FCC radio frequency radiation exposure limits per 1.1310			
	mW/cm <sup>2</sup>	Frequency (MHz)	Occupational Lanit in Wirm <sup>2</sup> )	Public Limit (mW/cm <sup>2</sup> )		
50	Wm <sup>2</sup>	300-1,500	£300	£1500		
	General Public Limit	1,500-10,000		1		
1	n/W/cm <sup>2</sup>	1,000,10,000				
10	Wm <sup>2</sup>					
	Occupational Limit		IC radio Sequency radiation exposure in	Sec. or BEE 101		
0.6455/8.5		T				
0.95332	Wim <sup>2</sup>	Frequency (MHz)	Occupational Limit (Wim <sup>2</sup> )	Public Limit (Wim <sup>2</sup> )		
0,953/14	Wm <sup>2</sup> General Public Limit	100-6,000 6,000-15,000	0.6455/ <sup>2.5</sup>			
0.02619/5801		48-300	- 59	1 291		
0.02619/	Wm <sup>2</sup>					
5.40397	W/m <sup>2</sup>	300-6,000	50	0.02619/6.004		
		6,000-15,000	59	10		
EIRP	s	5	Distance		Distance	Distance
mäivatta	nW/cm <sup>2</sup>	Wm <sup>1</sup>	CIL	Distance	Inches	Feet
13.274	0.00013	0.00130	90.00	0.90	35.43	2.95
13.274	0.00017	0.00165	80.00	0.80	31.50	2.62
13.274	0.00022	0.00216	70.00	0.00	27.56	2.30
13.274	0.00029	0.00293	60.00	0.60	23.62	1.97
13.274	0.00042	0.00423	50.00	0.50	19.69	1.64
13.274	0.00066	0.00660	40.00	0.40	15.75	1.31
13.274	0.00117	0.01174	39.00	0.30	11.81	0.98
13.274	0.00264	0.02641	20.00	0.20	7.87	0.66
13.274	0.01056	0.10563	10.00	0.10	3.94	0.33
13:274	0.01650 0.02934	0.16505 0.29342	8.00	0.08	3.15	0.26
13.274	0.02994	0.42252	5.00	0.050	1.97	0.20
13,274	0.06602	0.66019	4.00	0.040	1.57	0.13
13.274	0.11737	1.17367	3.00	0.030	1.18	0.10
13.274	0.26408	2.64077	2.00	0.020	0.79	0.07
13.274	0.46947	4:69470	1.50	0.015	0.39	0.05
13.274	1.05631	10.56307	1.00	0.010	0.39	0.03
		Frequency (MHz)	Occupational Limit minimum Distance (meters)	Occupational Limit minimum Distance (cm.)	Public Lipsit minimum distance (meters)	Public Limit minimum distan (cm./inches)
		47CFR 1 1310	NA	N/A	0.015	15/0.6

Rogers Labs, Inc. 4405 W. 259th Terrace Louisburg, KS 66053 Phone/Fax: (913) 837-3214 Revision 1 Garmin International, Inc. Model: Flight Stream 510 Test #: 151103 Test to: CFR47 15C, RSS-247 File: FS510 RFExp FCC SN: ENG1 FCC ID: IPH-02154 IC: 1792A-02154 Date: April 20, 2016 Page 1 of 1