Model: E3545		Test Number:	190806		
		n TX power added to the antenna	gain in dBi.		
dBi = dB gain compared to an i	sotropic radiator.				
		•			
smitter maximum Output power o	perating at 100% (Watts)				2
			Ante	nna Gain (Numeric)	1.58
2437	1	0.07	dBd + 2.17 = dBi	dBi to dBd	2.2
Cable Loss (dB) 0.0		10.55	· · · ·		-0.17
0.0	Adjusted Power (dBm)	18.57	Antenr	a minus cable (dBi)	2.00
Calculated FRP (mw)	69.236		FIRP - Po	$(dBM) \pm Gain (dB)$	
· · ·					20.573
	114.112				
					18.403
· · · · -					
Occupational Limit	ECC mdi	frequency radiation exposure limit	s per 1 1310		
			· ·		
			· · · ·		
a sea					
miniterin	1,500-10,000	5	I		
W/m^2					
	IC and in f	l	DSS 102		
			Public Limit (W/m ²)		
	100-6,000	$0.6455f^{0.5}$			
4 W/m ²	6,000-15,000	50			
7 W/m ²	48-300		1.291		
	300-6,000		$0.02619f^{0.6834}$		
	6,000-15,000	50	10		
z)			f (MHz) =	2437	
(mW)			$P_T (mW) =$	72.0000	
eration)			% =	100	
Duty cycle or Cable Loss (mW)			$P_A(mW) =$	72.00	
tenna			GN (numeric) =	1.58	
S_{20} = Power Density of device at 20cm (W/m ²)		$S_{20} = (P_A G_N)/(4\pi R_{20})^2$	$S_{20} (W/m^2) =$	0.23	
/m ²)				5.404	
R _C = Minimum distance to the Radiating Element for Compliance (cm)		$R_{C} = \sqrt{(P_A G_b/4\pi S_b)}$		4.1	
$S_{\rm C}$ = Power Density of the device at the Compliance Distance $R_{\rm C}$ (W/m ²)			-		
The at the compliance Distance Re (V		SC-(LAON)/(TALLY)	R20=	20	
	RF Exposure uses EIRP for cald dBi = dB gain compared to an is S = power density in mW/cm^2 witter maximum Output power o 2437 0.0 Calculated ERP (mw) Calculated EIRP (mw) Calculated EIRP (mw) n² = $4 p r^2$ 0 Occupational Limit mW/cm² W/m² General Public Limit W/m² W/m² W/m² W/m² W/m² W/m² w/m² General Public Limit w/m² W/m² W/m² W/m² General Public Limit w/m² w/m² General Public Limit w/m² General Public Limit w/m² w/m² gain gain gain gain gain gain gain gain gain gain	RF Exposure uses EIRP for calculation. EIRP is based of dBi = dB gain compared to an isotropic radiator. S = power density in mW/cm^2 mitter maximum Output power operating at 100% (Watts) 2437 Calcualtion power (Watts) 0.0 Adjusted Power (dBm) Calculated ERP (mw) 69.236 Calculated EIRP (mw) 114.112 m² EIRP a	RF Exposure uses EIRP for calculation. EIRP is based on TX power added to the antenna dBi = dB gain compared to an isotropic radiator. NOTE: need to update cell below not power operating at 100% (Watts) S = power density in mW/cm^2 NOTE: need to update cell below 0.0720 calculation power (Watts) 0.07 Calculated ERP (mw) 69.236 Calculated ERP (mw) 69.236 Calculated ERP (mw) 69.236 Calculated ERP (mw) 69.236 Calculated ERP (mw) 114.112 m ² = 4 p r^2 Frequency (MHz) Occupational Limit FCC radio frequency radiation exposure limit mW/cm ²) W/m ² 30-300 1 General Public Limit 300-1,500 f300 mW/cm ² I.500-10,000 5 W/m ² Second frequency radiation exposure limits p W/m ² General Public Limit 100-6,000 0.6455f ^{0.5} W/m ² Frequency (MHz) Occupational Limit (W/m ²) General Public Limit 100-6,000 0.6455f ^{0.5} W/m ² 6,000-15,000 50 W/m ² 48.300 50 W/m ² 6,000-15,000<	RF Exposure uses EIRP for calculation. EIRP is based on TX power added to the antenna gain in dBi. dBi = dB gain compared to an isotropic maliator. NOTE: need to update cell below value smitter maximum Output power operating at 100% (Watts) 0.07 Ante 2437 Calculation power (Watts) 0.07 Ante 0.0 Adjusted Power (dBm) 18.57 Ante Calculated EIRP (mw) 69.236 EIRP = Po Calculated EIRP (mw) 14.112 no Adjusted Power (dBm) 18.57 Antern Quart Calculated EIRP (mw) 114.112 Rate Rate acculated EIRP (mw) 114.112 Rate Rate acculated EIRP (mw) Frequency (MHz) Occupational Limit (mW/cm ²) Public Limit (mW/cm ²) w/m ² 30.300 1 0.2 General Public Limit 300.1500 f300 f1500 w/m ² 1.500-10.000 5 1 1 0.2 General Public Limit 100-6,000 0.6455/ ^{AS} 1 W/m ² I.Cradio frequency radiation exposure limits per RSS-102 1 1 0.2 1 1 0.2 1 1 0 <td>RF Exposure uses EIRP for calculation. EIRP is based on TX power added to the antenna gain in dBi. Antenna Gain (dB) dBi = dB gain compared to an isotropic radiator. NOTE: need to update cell below value Antenna Gain (dB) smitter maximum Output power operating at 100% (Watts) 0.07 Antenna Gain (dB) 2437 Calcualiton power (Watts) 0.07 dBd + 2.17 = dBi dBi to dBd 2437 Calcualiton power (Watts) 0.07 dBd + 2.17 = dBi dBi to dBd Calculated ERP (mw) 69.236 EIRP = Po(dBM) + Cain (dB) Antenna Cain (dB) Calculated ERP (mw) 114.112 Radiated (ERP) dBm EIRP = Di(BA) + Cain (dB) $n^2 = \frac{1}{4 p r^2}$ Image: Calculated ERP (mw) IA.112 Radiated (ERP) dBm $n^2 = \frac{1}{4 p r^2}$ Image: Calculated ERP (mw) Occupational Limit (mW/cm²) Public Limit (mW/cm²) Mcm² Frequency (MH2) Occupational Limit (mW/cm²) Public Limit (mW/cm²) Image: Calculate EIRP (max) M/m² Image: Calculation exposure limits per 1.1310 Image: Calculate EIRP (max) Image: Calculate EIRP (max) M/m² Frequency (MH2) Occupational Limit (mW/cm²) Public Limit (mW/cm²) Image: Calculate EIRP (max)</td>	RF Exposure uses EIRP for calculation. EIRP is based on TX power added to the antenna gain in dBi. Antenna Gain (dB) dBi = dB gain compared to an isotropic radiator. NOTE: need to update cell below value Antenna Gain (dB) smitter maximum Output power operating at 100% (Watts) 0.07 Antenna Gain (dB) 2437 Calcualiton power (Watts) 0.07 dBd + 2.17 = dBi dBi to dBd 2437 Calcualiton power (Watts) 0.07 dBd + 2.17 = dBi dBi to dBd Calculated ERP (mw) 69.236 EIRP = Po(dBM) + Cain (dB) Antenna Cain (dB) Calculated ERP (mw) 114.112 Radiated (ERP) dBm EIRP = Di(BA) + Cain (dB) $n^2 = \frac{1}{4 p r^2}$ Image: Calculated ERP (mw) IA.112 Radiated (ERP) dBm $n^2 = \frac{1}{4 p r^2}$ Image: Calculated ERP (mw) Occupational Limit (mW/cm ²) Public Limit (mW/cm ²) Mcm ² Frequency (MH2) Occupational Limit (mW/cm ²) Public Limit (mW/cm ²) Image: Calculate EIRP (max) M/m ² Image: Calculation exposure limits per 1.1310 Image: Calculate EIRP (max) Image: Calculate EIRP (max) M/m ² Frequency (MH2) Occupational Limit (mW/cm ²) Public Limit (mW/cm ²) Image: Calculate EIRP (max)

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Garmin International, Inc. SN Model: E3545 Test: 190806 Test to: CFR47 15C, RSS-210 RSS-247 File: E3545 MPE Exclusion

SN's: 3998030586, 3998030578 FCC ID: IPH-E3545 IC: 1792A-E3545 Date: February 26, 2020 Page 1 of 1