

Manufacturer: Pirelli Tire LLC **Name:** Oscar Frau

Product: Pirelli Control Mc **Title:** Project Handler

FCC ID: 2ANX7CPCM1 **Signature:** 

MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Power ⁴	Antenna	Cable loss	EIRP ¹	EIRP	Distance	PD ²	PD Limit ³	Margin	2.1091 EIRP	2.1091 EIRP	PD/PD Limit
				Gain ⁵								Limit	Margin	
	MHz	%	dBm	dBi	dB	dBm	mW	cm	mW/cm ²	mW/cm ²	dB	mW	dB	
Port 1	2407.0	100	5.84	4.67	0.65	11.16	13.1	20	0.003	1.000	25.85	1260	19.84	0.00260
Port 2	2407.0	100	5.83	4.67	0.65	11.15	13.0	20	0.003	1.000	25.86	1260	19.85	0.00259
Port 3	2440.0	100	5.62	4.67	0.65	10.94	12.4	20	0.002	1.000	26.07	1260	20.06	0.00247
Port 4	2440.0	100	5.54	4.67	0.65	10.86	12.2	20	0.002	1.000	26.15	1260	20.14	0.00243
Multi-transmission :	0.00260	+	0.00259	+	0.00247	+	0.00243	=	0.01009	<	1			

¹EIRP = (Power dBm + Antenna Gain dBi) + 10 x Log (Duty Cycle % / 100)

²PD = EIRP / (4xπxD²)

³CFR 47 Part 1, §1.1310(e), table 1

⁴See FCC ID: 2ANX7CPCM1, test report n. REP025674, Table 8.4-x (conducted RF power per antenna port)

⁵See antenna datasheet.

2.1091 EIRP Limit

1.1307 (b)(3)(i)(C) exemption limit

Mode	f	R	λ	λ/2π	R/(λ/2π)	Threshold	Threshold	Threshold	EIRP	Margin
						ERP	EIRP	EIRP		
	MHz	m	m	m		W	W	mW	mW	dB
Port 1	2407.0	0.20	0.125	0.0198	10.1	0.76800	1.260	1260	13.1	19.84
Port 2	2407.0	0.20	0.125	0.0198	10.1	0.76800	1.260	1260	13.0	19.85
Port 3	2440.0	0.20	0.123	0.0196	10.2	0.76800	1.260	1260	12.4	20.06
Port 4	2440.0	0.20	0.123	0.0196	10.2	0.76800	1.260	1260	12.2	20.14