

Manufacturer: Eurotech SpA

Name: Oscar Frau

Product: REGATE-10-14-35

Title: Project handler

FCC ID: UKMMRG1014

Signature:



MPE limits (§1.1310)

Mode	Frequency MHz	Duty Cycle %	Power ^{6,7,8,9} dBm	Antenna	EIRP ¹ dBm	EIRP mW	Distance D cm	PD ² mW/cm ²	PD Limit ³ mW/cm ²	Margin dB	2.1091 EIRP	2.1091 EIRP	Worst PD/PD values to be considered	
				Gain ^{6,7,8,9} dBi							Limit	Margin		PD/PD Limit
FDD 5	824	100	25,0	6,12	31,1	1294	20	0,257	0,549	3,29	2460	2,79	0,46870	0,46870
WCDMA Band V	826,4	100	25,0	6,12	31,1	1294	20	0,257	0,551	3,30	2460	2,79	0,46734	
FDD 4	1710	100	25,0	5,0	30,0	1000	20	0,199	1	7,01	4920	6,92	0,19894	
WCDMA Band IV	1710	100	25,0	5,0	30,0	1000	20	0,199	1	7,01	4920	6,92	0,19894	
FDD 2	1850	100	25,0	8,01	33,0	2000	20	0,398	1	4,00	4920	3,91	0,39786	
WCDMA Band II	1850	100	25,0	8,01	33,0	2000	20	0,398	1	4,00	4920	3,91	0,39786	
BT	2402	100	0,8	2,5	3,3	2	20	0,000	1	33,71	N/A	N/A	0,00043	0,00829
WiFi 2.4 GHz (IEEE 802.11b)	2412	100	13,7	2,5	16,2	42	20	0,008	1	20,81	N/A	N/A	0,00829	
WiFi 5 GHz (IEEE 802.11a)	5180	100	13,6	4,6	18,2	66	20	0,013	1	18,81	N/A	N/A	0,01314	0,01314
WiFi 5 GHz (IEEE 802.11a)	5260	100	13,6	4,6	18,2	66	20	0,013	1	18,81	N/A	N/A	0,01314	
WiFi 5 GHz (IEEE 802.11a)	5600	100	13,2	4,6	17,8	60	20	0,012	1	19,21	N/A	N/A	0,01199	
FCC Co-Location =			0,49014	< 1										

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

²PD = EIRP / (4πr²)

³CFR 47 Part 1, §1.1310(e), table 1

⁴RSS 102 §4, table 4

⁵RSS 102 §2.5.2

⁶WCDMA: LE910C1/C4-NF, FCC ID: R17LE910CXNF

⁷WiFi 2,4 GHz: Test Report n. 395016-8TRFWL, p. 23

⁸WiFi 5 GHz: Test Report n. 395016-9TRFWL, p. 17

⁹BT: WE866C3, FCC ID: R17WE866C3