

Manufacturer: Eurotech SpA

Product: Dygate 10-06-35

FCC ID: UMKMRG1012

IC: 21442-MRG1012

Name: Oscar Frau

Title: Project Handler

Signature: 

MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Power	Antenna	EIRP ¹	EIRP	Distance D	PD ²	PD Limit ³	PD/PD Limit	Margin	2.1091 EIRP	2.1091 EIRP	Worst PD/PD values to be considered
				Gain								Limit	Margin	
	MHz	%	dBm	dBi	dBm	mW	cm	mW/cm^2	mW/cm^2		dB	mW	dB	
WCDMA-LTE (FDD 2) ⁷	1902,5	100	23,43	6,7	30,1	1030	20	0,205	1	0,205	6,88	4910	6,8	0,403
WCDMA-LTE (FDD 5) ⁷	836	100	23,57	6,7	30,3	1064	20	0,212	0,557	0,380	4,20	2455	3,6	
LTE (eFDD 4) ⁷	1732,5	100	23,55	6,7	30,3	1059	20	0,211	1	0,211	6,76	4910	6,7	
LTE (eFDD 12) ⁷	711	100	23,12	6,7	29,8	959	20	0,191	0,474	0,403	3,95	2455	4,1	0,008 0,011
WiFi 2.4 GHz ⁶	2437	100	14,3	1,7	16,0	40	20	0,008	1	0,008	21,01	N/A	N/A	
WiFi 5 GHz ⁶	5220	100	15	2,3	17,3	54	20	0,011	1	0,011	19,71	N/A	N/A	
WiFi 5 GHz ⁶	5825	100	15,2	2,3	17,5	56	20	0,011	1	0,011	19,51	N/A	N/A	
WiFi 5 GHz ⁶	5300	100	15,2	2,3	17,5	56	20	0,011	1	0,011	19,51	N/A	N/A	
WiFi 5 GHz ⁶	5500	100	14,9	2,3	17,2	52	20	0,010	1	0,010	19,81	N/A	N/A	
FCC Co-Location =		0,422	< 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

⁴RSS 102 §4, table 4

⁵RSS 102 §2.5.2

⁶Test Report n. 397261-1TRFWL, p. 32 & n. 397261-2TRFWL, p. 34/35

⁷RF exposure analysis §3,1, Model: LARA-R202, FCC ID: XPY1EIQ24NN