


Manufacturer: Eurotech SpA **Name:** Oscar Frau
Product: SYS-04240-23 **Title:** Project handler
FCC ID: UKM-SYS04240 **Signature:** 

MPE limits (§1.1310)

Mode	Frequency MHz	Duty Cycle %	Antenna			Distance					2.1091 EIRP	2.1091 EIRP	Worst PD/PD values to be considered	
			Power ^{4,5,6} dBm	Gain ^{7,8} dBi	EIRP ¹ dBm	EIRP mW	D cm	PD ² mW/cm ²	PD Limit ³ mW/cm ²	Margin dB	Limit mW	Margin dB		PD/PD Limit
BT	2480	100	6,99	1,7	8,7	7	20	0,001	1	28,32	N/A	N/A	0,001	
BLE	2480	100	4,77	1,7	6,5	4	20	0,001	1	30,54	N/A	N/A	0,001	0,021
WiFi 2.4 GHz	2437	100	18,50	1,7	20,2	105	20	0,021	1	16,81	N/A	N/A	0,021	
WiFi 5 GHz	5260	100	20,00	2,3	22,3	170	20	0,034	1	14,71	N/A	N/A	0,034	0,034
FDD 13	777	100	25,00	2,83	27,8	607	20	0,121	0,518	6,33	4920	9,09	0,233	
FDD 14	788	100	25,00	2,83	27,8	607	20	0,121	0,525	6,39	4920	9,09	0,230	
WCDMA Band V	826,4	100	25,00	1,71	26,7	469	20	0,093	0,551	7,71	11480	13,89	0,169	
FDD 5	824	100	25,00	1,71	26,7	469	20	0,093	0,549	7,70	11480	13,89	0,170	
FDD 4	1710	100	25,00	2,67	27,7	585	20	0,116	1	9,34	1000	2,33	0,116	0,233
FDD 66	1710	100	25,00	2,67	27,7	585	20	0,116	1	9,34	1000	2,33	0,116	
WCDMA Band IV	1710	100	25,00	3,43	28,4	697	20	0,139	1	8,58	1000	1,57	0,139	
WCDMA Band II	1850	100	25,00	3,32	28,3	679	20	0,135	1	8,69	2000	4,69	0,135	
FDD 2	1850	100	25,00	3,32	28,3	679	20	0,135	1	8,69	2000	4,69	0,135	

FCC Co-Location = 0,288 < 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
⁴RF cellular RF module: Telit LE910C1-NF, FCC ID: R17LE910CXNF; refer to RF exposure document
⁵BT/BLE/WiFi 5 GHz: FCC ID UKM-SYS04240
⁶WiFi 2.4 GHz: Test Report n. 407189-1TRFWL, p. 17
⁷Antenna 2.4 GHz/5 GHz, model 2J630 2MP
⁸Cellular antenna, model GSA.8827.A.101111