

Manufacturer: SECO S.p.A.

Name: Oscar Frau

Product: SYS-D47-IOT

Title: Project handler

FCC ID: 2ALZB-D47IOT

Signature:



MPE limits (§1.1310)

Mode	Frequency MHz	Duty Cycle %	Power dBm	Antenna		EIRP ¹ dBm	EIRP mW	Distance		PD Limit ³ mW/cm ²	Margin dB	2.1091 EIRP	2.1091 EIRP	PD/PD Limit	Worst PD/PD values to be considered
				Gain ⁷ dBi				D cm	PD ² mW/cm ²			Limit mW	Margin dB		
BT/BLE ⁴	2402	100	5,7	3		8,7	7,4	20	0,001	1,0	28,31	n/a	n/a	0,00147	
WiFi ⁵	2412	100	25,2	3		28,2	660,7	20	0,131	1,0	8,81	n/a	n/a	0,13144	0,13144
LTE B2 ⁶	1910	100	23,0	2		25,0	316,2	20	0,063	1,0	12,01	4620	11,65	0,06291	0,13993
LTE B4 ⁶	1755	100	23,0	2		25,0	316,2	20	0,063	1,0	12,01	4920	11,92	0,06291	
LTE B5 ⁶	824	100	20,0	2		22,0	158,5	20	0,032	0,55	12,41	2460	11,91	0,05740	
LTE B12 ⁶	716	100	23,0	2		25,0	316,2	20	0,063	0,48	8,80	2460	8,91	0,13180	
LTE B13 ⁶	787	100	23,0	2		25,0	316,2	20	0,063	0,52	9,21	2460	8,91	0,11991	
LTE B25 ⁶	1915	100	23,0	2		25,0	316,2	20	0,063	1,0	12,01	4920	11,92	0,06291	
LTE B26 ⁶	849	100	24,0	2		26,0	398,1	20	0,079	0,57	8,54	2460	7,91	0,13993	
LTE B71 ⁶	663	100	20,0	2		22,0	158,5	20	0,032	0,44	11,47	2460	11,91	0,07134	

FCC Co-Location = 0,27137 < 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

⁴Test Report n. 406683-1TRFWL, p. 17

⁵Test Report n. 406683-1TRFWL, p. 18

⁶SIMCom Wireless Solutions Ltd. type SIM7080G: FCC ID 2AJYU-8VC0002; RF Exposure Report

⁷User manual "D47_Manual_Rel_1.5.pdf", p. 28-29