

Manufacturer: E-SHOCK S.R.L.

Product: CU02

FCC ID: 2BOUM-CU02

Name: Roberto Giampaglia

Title: Laboratories Manager

Signature: 

MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Power	Antenna		EIRP ¹	EIRP	Distance	PD ²	PD Limit ³	Margin	2.1091 EIRP	2.1091 EIRP	Worst PD/PD values to be considered
				Gain ⁶								Limit	Margin	
	MHz	%	dBm	dBi	dBm	mW	cm	mW/cm ²	mW/cm ²	dB	mW	dB	PD/PD Limit	
BT ⁴	2402.0	100	9.5	0.6	10.14	10.3	20	0.002	1.000	26.9	5018	26.9	0.00205	0.03969
WiFi ⁴	2412.0	100	22.4	0.6	23.00	199.5	20	0.040	1.000	14.0	5018	14.0	0.03969	
GSM 850 ⁵	824.2	50	33.0	1.0	30.99	1255.9	20	0.250	0.549	3.4	2757	3.4	0.45474	0.45474
DCS 1900 ⁵	1850.2	50	31.0	1.9	29.89	974.9	20	0.194	1.000	7.1	5018	7.1	0.19395	
LTE B2 ⁵	1850.7	100	24.0	1.9	25.90	389.0	20	0.077	1.000	11.1	5018	11.1	0.07740	
LTE B4 ⁵	1710.7	100	24.0	0.7	24.70	295.1	20	0.059	1.000	12.3	5018	12.3	0.05871	
LTE B5 ⁵	824.7	100	24.0	1.0	25.00	316.2	20	0.063	0.550	9.4	2759	9.4	0.11443	
LTE B7 ⁵	2502.5	100	24.0	2.6	26.60	457.1	20	0.091	1.000	10.4	5018	10.4	0.09093	
LTE B12 ⁵	699.7	100	24.0	-1.0	23.00	199.5	20	0.040	0.466	10.7	2341	10.7	0.08510	
LTE B38 ⁵	2572.5	100	24.0	4.0	28.00	631.0	20	0.126	1.000	9.0	5018	9.0	0.12552	
LTE B41 ⁵	2498.5	100	24.0	3.4	27.40	549.5	20	0.109	1.000	9.6	5018	9.6	0.10933	
LTE B66 ⁵	1710.7	100	24.0	0.7	24.70	295.1	20	0.059	1.000	12.3	5018	12.3	0.05871	

FCC Co-Location < 1 : 0.49

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

²PD = EIRP / (4xπxD²)

³CFR 47 Part 1, §1.1310(e), Table 1, (ii) Limits for General Population/Uncontrolled Exposure

⁴See original filing FCC ID: 2BOUM-CU02

⁵See FCC ID: XPYUBX22EL01, test report issued by Bureau Veritas n. PSU-NQN2204290110-1SA03 dated 2022-11-25

⁶See antennas datasheet.