

MANUFACTURER: Eurotech SpA

TEST ENGINEER: P. Barbieri

PRODUCT: ReliaGATE-10-12, DynaGATE 10-12

Title: Project handler

FCC ID: UKMMRG1012

Signature:

Barbieri



MPE limits (§1.1310)

Mode	Frequency	Duty Cycle	Antenna			EIRP ¹	Distance			Margin	2.1091 EIRP	2.1091 EIRP	Worst PD/PD values to be considered
			Power ⁶	Gain ⁷			D	PD ²	PD Limit ³		Limit	Margin	
	MHz	%	dBm	dBi	dBm	mW	cm	mW/cm^2	mW/cm^2	dB	mW	dB	
LTE	699	100	24	1,8	25,8	380	20	0,076	0,466	7,90	1,151	-25,19	0,16231
LTE	777	100	24	1,8	25,8	380	20	0,076	0,518	8,36	1,238	-24,87	0,14602
WCDMA-LTE	824	100	24,5	1,8	26,3	427	20	0,085	0,549	8,11	1,288	-25,20	0,15449
LTE	1710	100	24	2,4	26,4	437	20	0,087	1,000	10,61	2,122	-23,13	0,08684
WCDMA-LTE	1850	100	24,5	2,4	26,9	490	20	0,097	1,000	10,11	2,239	-23,40	0,09744
BT	2402	100	11,61	2,5	14,1	26	20	0,005	1,000	22,90	2,676	-9,83	0,00513
WIFI	2412	100	19,9	2,5	22,4	174	20	0,035	1,000	14,61	2,684	-18,11	0,03457
WIFI	5180	100	12,6	4,6	17,2	52	20	0,010	1,000	19,81	4,525	-10,64	0,01044
WIFI	5745	100	10,6	4,6	15,2	33	20	0,007	1,000	21,81	4,857	-8,34	0,00659

FCC Co-Location = 0,20201 < 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

⁶Maximum conducted output power (per tune-up), TUV SUD BABT, 07/27/2015, RF exposure analysis, Model: LE910-NA V2, FCC ID: RI7LE910NAV2, IC: 5131A-LE910NAV2
Test Report n. 393383-1TRFWL, 393383-2TRFWL, 393383-3TRFWL, 393383-4TRFWL and 393383-5TRFWL

⁷The EUT has three antenna configuration. Antenna with the greatest gain has been considered