Neutron Engineering Inc.

FCC RF EXPOSURE REPORT

FCC ID: PAB1LFS004

Project No.	**:** 1206C176B
Equipment	**:** Cavallino GT1 Air
Model	**:** 1LFS004
Applicant	**:** Logic3 plc
Address	: Rhodes Way, Watford, WD24 4YW, UK
According:	**: FCC Guidelines for Human Exposure IEEE C95.1**

Neutron Engineering Inc.

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MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:
S = power density
P = power input to the antenna
G = power gain of the antenna in the direction of interest relative to an isotropic radiator
R = distance to the center of radiation of the antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	PIFA Antenna	N/A	2.12

TEST RESULTS

EUT :	Cavallino GT1 Air	Model Name :	1LFS004
Temperature :	25 ℃	Relative Humidity :	58 %
Pressure :	1009 hPa	Test Voltage :	AC 120V/60Hz
Test Mode :	CH00/ CH39 /CH78 -1Mbps		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
2.12	1.6293	2.27	1.6866	0.000547	1	Complies
2.12	1.6293	1.06	1.2764	0.000414	1	Complies
2.12	1.6293	0	1.0000	0.000324	1	Complies

EUT：	Cavallino GT1 Air	Model Name ：	1LFS004
Temperature：	25 ℃	Relative Humidity：	58 %
Pressure：	1009 hPa	Test Voltage ：	AC 120V/60Hz
Test Mode ：	CH00/ CH39 /CH78 -3Mbps		

Antenna Gain (dBi)	Antenna Gain (numeric)	Peak Output Power (dBm)	Peak Output Power (mW)	Power Density (S) (mW/cm^2)	Limit of Power Density (S) (mW/cm^2)	Test Result
2.12	1.6293	1.84	1.5276	0.000495	1	Complies
2.12	1.6293	0.47	1.1143	0.000361	1	Complies
2.12	1.6293	-0.75	0.8414	0.000273	1	Complies