

FCC RF EXPOSURE REPORT

FCC ID: PZ3-SSB

Project No. : 1312128A
Equipment : Primex Wireless Smart Sync Bridge
Test Model : BC100-E
Series Model : BC100
Applicant : Primex Wireless, Inc.
Address : 965 Wells Street Lake Geneva, WI 53147
United States

According: : FCC Guidelines for Human Exposure IEEE
C95.1 & FCC Part 2.1091

B T L I N C .

B1, No. 37, Lane 365, YangGuang St., NeiHu District 114, Taipei, Taiwan

TEL: +886-2-2657-3299 FAX: +886-2-2657-3331

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

Table for Filed Antenna

For BT LE

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	Taoglas Inc.	Q13952	Dipole	RP-SMA(M)	2.3

Table for Filed Antenna

For Wi-Fi

Ant.	Brand	Model Name	Antenna Type	Connector	Gain(dBi)
1	GainSpan	NA	Ceramic Chip	N/A	0

TEST RESULTS

LE

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
2.30	1.6982	4.29	2.6853	0.00090772	1	Complies

Wi-Fi

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
0.00	1.0000	21.91	155.2387	0.03089942	1	Complies

Note: the calculated distance is 20 cm.

So for LE + Wi-Fi simultaneous transmission: $0.00090772/1 + 0.03089942/1 = 0.03180714 < 1$.