

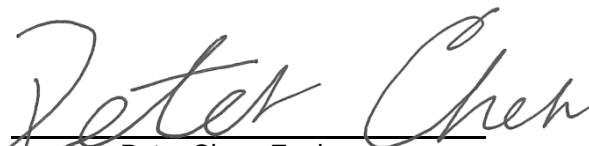
Maximum Permissible Exposure Report

FCC ID: EROTSW1070

Report No. : BTL-FCCP-5-1911T046
Equipment : 10.1 inch Touch Screen wall mount
Model Name : M201923003, TSW-1070-B-S, TSW-1070-W-S, TSW-1070P-B-S,
TSW-1070P-W-S, TSS-1070-B-S, TSS-1070-W-S
Brand Name : CRESTRON
Applicant : Crestron Electronics, Inc.
Address : 15 Volvo Drive, Rockleigh, NJ 07647
FCC Rule Part(s) : FCC Guidelines for Human Exposure IEEE C95.1
Date of Receipt : 2018/11/28
Date of Test : 2018/11/28 ~ 2019/12/18
Issued Date : 2020/3/24

The above equipment has been tested and found in compliance with the requirement of the above standards by BTL Inc.

Prepared by


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**Approved by**


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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	2020/1/21
R01	Revised report to address TCB's comments.	2020/3/24

MPE CALCULATION METHOD:

Calculation Method of RF Safety Distance:

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

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, BLE, WLAN:

Ant.	Brand	Test Model	Antenna Type	Connector	Gain (dBi)
1	YAGEO	TSW WLAN MAIN	PIFA	IPEX	-3.92

For 5G RLAN:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)	Note
1	YAGEO	TSW WLAN MAIN	PIFA	IPEX	2.23	UNII-1
					3.95	UNII-3

TEST RESULTS

For BT:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
-3.92	0.4055	5.55	3.5892	0.00028970	1	Complies

For BLE:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
-3.92	0.4055	2.01	1.5885	0.00012822	1	Complies

For 2.4G WLAN:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
-3.92	0.4055	19.72	93.7562	0.00756746	1	Complies

For 5G RLAN:

Antenna Gain (dBi)	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Max. Peak Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
3.95	2.4831	19.16	82.4138	0.04073337	1	Complies

Note:

1. The calculated distance is 20 cm.

COLLOCATED POWER DENSITY CALCULATIONS

So for BT, WIFI simultaneous transmission: $0.0002897/1+0.04073337/1=0.04102307<1$

End of Test Report