

Maximum Permissible Exposure Report

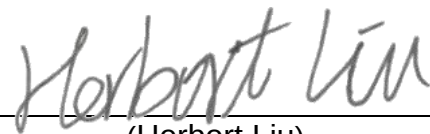
FCC ID: Q3N-3656CRADLE

Project No. : 1804T061
Equipment : Cradle
Test Model : 3656 CRADLE
Series Model : N/A
Applicant : CIPHERLAB CO., LTD.
Address : 12F, 333, Dunhua S. Rd., Sec. 2, Taipei, Taiwan

According: : FCC Guidelines for Human Exposure IEEE
C95.1

Authorized Signatory

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Testing Laboratory

0659

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

Bluetooth EDR and LE:

Ant.	Brand	Test Model	Antenna Type	Connector	Gain (dBi)
1	CIPHERLAB	3656 CRADLE	PIFA	I-pex	3.66

TEST RESULTS

Bluetooth EDR:

Test Mode :	TX Mode _1Mbps
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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
3.66	2.3227	4.17	2.6122	0.00120768	1	Complies
3.66	2.3227	4.11	2.5763	0.00119111	1	Complies
3.66	2.3227	3.76	2.3768	0.00109888	1	Complies

Test Mode :	TX Mode _3Mbps
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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
3.66	2.3227	3.79	2.3933	0.00110650	1	Complies
3.66	2.3227	3.62	2.3014	0.00106402	1	Complies
3.66	2.3227	3.15	2.0654	0.00095488	1	Complies

Bluetooth LE:

Test Mode :	CH00, CH19 , CH39
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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
3.66	2.3227	4.31	2.6977	0.00124724	1	Complies
3.66	2.3227	4.54	2.8445	0.00131507	1	Complies
3.66	2.3227	3.64	2.3121	0.00106893	1	Complies

Note:

(1) The calculated distance is 20 cm.