Website: www.cblueasia.com
Tel: +86-755-23059481
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RF Exposure

Applicant	:	Telink Semiconductor (Shanghai) Co., Ltd.
Address	:	10/F, Building 1, 61 Shengxia Road, PuDong District, Shanghai, China 201203
Product Name	:	TL3228XDG96D
Brand Mark	:	N/A
Model	:	TL3228X DONGLE V1.1
FCC ID	:	OEOTL3228XDG96D
Report Number	:	BLA-EMC-202603-A7703
Date of Receipt	:	Apr. 17, 2026
Date of Test	:	Apr. 17, 2026 to Apr. 28, 2026
Test Standard	:	47 CFR Part 15, Part1.1307 47 CFR Part 15, Part2.1093 KDB447498D04 General RF Exposure Guidance v01
Test Result	:	Pass

Compiled by: Hugh **Review by:** Xavier **Approved by:** Blue Zheng

Issued Date: Apr. 28, 2026

BlueAsia Technical Services (Shenzhen) Co., Ltd

Address: No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict,Bao'an District, Shenzhen, Guangdong, China

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Revise Record

Version No.	Date	Description
01	Apr. 28, 2026	Original

1 General information

1.1 General information

Applicant	Telink Semiconductor (Shanghai) Co., Ltd.
Address	10/F, Building 1, 61 Shengxia Road, PuDong District, Shanghai, China 201203
Manufacturer	Telink Semiconductor (Shanghai) Co., Ltd.
Address	10/F, Building 1, 61 Shengxia Road, PuDong District, Shanghai, China 201203
Factory	Telink Semiconductor (Shanghai) Co., Ltd.
Address	10/F, Building 1, 61 Shengxia Road, PuDong District, Shanghai, China 201203

1.2 General description of EUT

Product name	TL3228XDG96D
Model no.	TL3228X DONGLE V1.1
Series model	N/A
Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK
Rate data:	1Mbps; 2Mbps
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Type:	PCB antenna
Antenna Gain:	2dBi(Provided by customer)
Power supply or adapter information	DC3.3V by USB
Hardware Version	V1.4
Software Version	N/A
Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.	

2 Laboratory and accreditations

The test facility is recognized, certified, or accredited by the following organizations:

Company name:	BlueAsia Technical Services (Shenzhen) Co.,Ltd.
Address:	No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
CNAS accredited No.:	L9788
A2LA Cert. No.:	5071.01
FCC Designation No.:	CN1252
ISED CAB identifier No.:	CN0028
Telephone:	+86-755-28682673
FAX:	+86-755-28682673

3 RF Exposure Compliance Requirement

3.1 Standard Requirement

According to 447498 D04 Interim General RF Exposure Guidance v01

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

3.2 Limits

$$P_{\text{th}}\,(\text{mW}) = \begin{cases} ERP_{20\,\text{cm}}(d/20\,\text{cm})^{x} & d \le 20\,\text{cm} \\ ERP_{20\,\text{cm}} & 20\,\text{cm} < d \le 40\,\text{cm} \end{cases} \qquad \text{(B.2)}$$

where

$$x = -\log_{10}\left(\frac{60}{ERP_{20\,\text{cm}}\sqrt{f}}\right)$$

and f is in GHz, d is the separation distance (cm), and $ERP_{20\text{cm}}$ is per Formula (B.1).

Example values shown in Table B.2 are for illustration only.

Table B.2—Example Power Thresholds (mW)

Frequency (MHz)	Distance (mm)									
	5	10	15	20	25	30	35	40	45	50
300	39	65	88	110	129	148	166	184	201	217
450	22	44	67	89	112	135	158	180	203	226
835	9	25	44	66	90	116	145	175	207	240
1900	3	12	26	44	66	92	122	157	195	236
2450	3	10	22	38	59	83	111	143	179	219
3600	2	8	18	32	49	71	96	125	158	195
5800	1	6	14	25	40	58	80	106	136	169

$$P_{\text{th}}\,(\text{mW}) = ERP_{20\,\text{cm}}\,(\text{mW}) = \begin{cases} 2040f & 0.3\,\text{GHz} \le f < 1.5\,\text{GHz} \\ 3060 & 1.5\,\text{GHz} \le f \le 6\,\text{GHz} \end{cases} \qquad \text{(B.1)}$$

3.3 Result

EIRP = pt x gt = $(E X d)^2/30$

Where:

pt = transmitter output power in watts,

gt = numeric gain of the transmitting antenna (unitless),

E = electric field strength in V/m,

d = measurement distance in meters (m)

Spot = $(EXd)^2/30$ x gt

Separation distance= 0.5cm

Ant gain = 2dBi

For BLE(Worst):

Max Output power = -0.928dBm @ 2402MHz

EIRP = -0.928dBm + 2dBi=1.072dBm=1.280mW< 2.788mW

ERP = 1.072-2.15= -1.078dBm

Comply with RF exposure exemption limit.

----END OF REPORT----