

RF Exposure

Applicant : Telink Semiconductor (Shanghai) Co., Ltd.
Address : 11/F, Building 1, 61 Shengxia Road, PuDong District,
Shanghai, China 201203
Product Name : TL7218X-DG88D
Brand Mark : Telink
Model : TL7218X-DG88D
FCC ID : OEOTL7218X-DG88D
Report Number : BLA-EMC-202607-A09-03
Date of Receipt : July 2, 2026
Date of Test : July 2, 2026 to July 24, 2026
47 CFR Part 15, Part1.1307
Test Standard : 47 CFR Part 15, Part2.1093
KDB447498D01 General RF Exposure Guidance v06
Test Result : Pass

Compiled by: *Hugh*Review by: *Xavier*Approved by: *Blue Zheng*
Issued Date: July 24, 2026**BlueAsia Technical Services (Shenzhen) Co., Ltd**Address: No.41, South of Beihuan Road, Shangwu Community, Shiyuan
Subdistrict, Bao'an District, Shenzhen, Guangdong, China

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Revise Record

Version No.	Date	Description
01	July 24, 2026	Original

1 General information

1.1 General information

Applicant	Telink Semiconductor (Shanghai) Co., Ltd.
Address	11/F, Building 1, 61 Shengxia Road, PuDong District, Shanghai, China 201203
Manufacturer	Telink Semiconductor (Shanghai) Co., Ltd.
Address	11/F, Building 1, 61 Shengxia Road, PuDong District, Shanghai, China 201203
Factory	Telink Semiconductor (Shanghai) Co., Ltd.
Address	11/F, Building 1, 61 Shengxia Road, PuDong District, Shanghai, China 201203

1.2 General description of EUT

Product name	TL7218X-DG88D
Model no.	TL7218X-DG88D
Series model	N/A
Operation Frequency:	2402MHz-2480MHz
Modulation Type:	GFSK
Rate data:	1Mbps; 2Mbps
Channel Spacing:	2MHz
Number of Channels:	40
Antenna Type:	RP-SMA female antenna
Antenna Gain:	3dBi(Provided by customer)
Power supply or adapter information	DC5V by USB
Hardware Version	N/A
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 KDB447498D01 General RF Exposure Guidance v06

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

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at test separation distances ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

The test exclusions are applicable only when the minimum test separation distance is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion

3.3 Result

Separation distance= 0.5cm

Operational Mode: BLE 2M						
Channel	Maximum Peak Conducted Output Power (dBm)	Tune up tolerance (dB)	Maximum tune-up Power(dBm)	Maximum tune-up Power (mW)	Calculated value	Exclusion threshold
2402MHz	7.849	±1	8.849	7.67	2.38	3
2441MHz	7.157	±1	8.157	6.54	2.04	3
2480MHz	7.571	±1	8.571	7.20	2.27	3
Conclusion: the calculated value ≤ 3.0 , SAR is exempted.						

----END OF REPORT----

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