

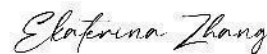
RF Exposure Evaluation Report

Report Reference No...... : **MTEB26080227-H**

FCC ID..... : **2A9P3-1429**

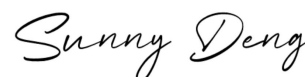
Compiled by

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Date of issue..... : **Aug.25,2026**

Representative Laboratory Name. : **Shenzhen Most Technology Service Co., Ltd.**

Address..... : No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park,
Nanshan, Shenzhen, Guangdong, China.

Applicant's name..... : **FULLINK TECHNOLOGY Co., Ltd**

Address..... : Room 903,9F,Runzhi R&D Center,No.5 Runfang Road,Block
70,Xingdong Community,Xin'an Sub-district,Bao'an District,
Shenzhen

Test specification/ Standard..... : **47 CFR Part 1.1307;47 CFR Part 1.1310**
KDB447498D01 General RF Exposure Guidance v06

TRF Originator..... : Shenzhen Most Technology Service Co., Ltd.

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Test item description..... : Wireless HDMI Hub

Trade Mark..... : N/A

Model/Type reference..... : 1429

Listed Models : N/A

Modulation Type..... : OFDM

Operation Frequency..... : From 5180MHz-5240MHz; 5745MHz-5825MHz

Hardware Version..... : V2

Software Version..... : V1

Rating..... : DC 5V by USB Port

Result..... : **PASS**

TEST REPORT

Equipment under Test : Wireless HDMI Hub

Model /Type : 1429

Listed Models : N/A

Remark : FULLINK TECHNOLOGY Co., Ltd

Applicant : Room 903,9F,Runzhi R&D Center,No.5 Runfang Road,Block 70,Xingdong Community,Xin'an Sub-district,Bao'an District, Shenzhen

Address : FULLINK TECHNOLOGY Co., Ltd

Manufacturer : Room 903,9F,Runzhi R&D Center,No.5 Runfang Road,Block 70,Xingdong Community,Xin'an Sub-district,Bao'an District, Shenzhen

Address : N/A

Test Result:	PASS
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The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

1. Revision History

Revision	Issue Date	Revisions	Revised By
00	2026.08.25	Initial Issue	Ekaterina Zhang

2. SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Standard Requirement

According to KDB447498D01 General RF Exposure Guidance v06

4.3.1. 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.

2.1.2 Limits

According to FCC Part1.1310: The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in part1.1307(b)

TABLE 1—LIMITS FOR MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm ²)	Averaging time (minutes)
(A) Limits for Occupational/Controlled Exposures				
0.3–3.0	614	1.63	*(100)	6
3.0–30	1842/f	4.89/f	*(900/f ²)	6
30–300	61.4	0.163	1.0	6
300–1500			f/300	6
1500–100,000			5	6
(B) Limits for General Population/Uncontrolled Exposure				
0.3–1.34	614	1.63	*(100)	30
1.34–30	824/f	2.19/f	*(180/f ²)	30
30–300	27.5	0.073	0.2	30
300–1500			f/1500	30
1500–100,000			1.0	30

F= Frequency in MHz

Friis Formula

Friis transmission formula: $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2)$ Where

P_d = power density in mW/cm²

P_{out} = output power to antenna in mW

G = gain of antenna in linear scale

π = 3.1416

R = distance between observation point and center of the radiator in cm

P_d is the limit of MPE, 1 mW/cm². If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

2.1.3 EUT RF Exposure

WIFI 5G

Mode	Channel	Ant. 0 (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
IEEE 802.11a	36	13.9173	13.9173 ± 1	14.9173
	40	14.7138	14.7138 ± 1	15.7138
	48	14.667	14.667 ± 1	15.667
IEEE 802.11n_20	36	13.9081	13.9081 ± 1	14.9081
	40	15.4681	15.4681 ± 1	16.4681
	48	15.3081	15.3081 ± 1	16.3081

Mode	Channel	Ant. 0 (dBm)	Tune up tolerance (dBm)	Maximum tune-up Power (dBm)
IEEE 802.11a	149	17.0614	17.0614 ± 1	18.0614
	157	17.3776	17.3776 ± 1	18.3776
	165	14.7974	14.7974 ± 1	15.7974
IEEE 802.11n_20	149	16.8634	16.8634 ± 1	17.8634
	157	16.3926	16.3926 ± 1	17.3926
	165	14.8581	14.8581 ± 1	15.8581

U-NII 1

Worst case:IEEE 802.11n_20

Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm ²)	Limit	Result
(CH40)	16.4681	44.34	2.5	0.016	1.0	Pass

Note: 1) Refer to report MTEB26080227-R for EUT test Max Conducted average Output Power value.

Note: 2) $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2) = (44.34 \cdot 1.78) / (4 \cdot 3.1416 \cdot 20^2) = 0.016$

Note: 3) EUT's Bluetooth module is more than 20cm away from the human body.

U-NII 3

Worst case:IEEE 802.11a

Channel	Maximum tune-up Power (dBm)	Maximum tune-up Power (MW)	Antenna Gain (dBi)	Power Density at R = 20 cm (mW/cm ²)	Limit	Result
(CH157)	18.3776	68.83	2.5	0.024	1.0	Pass

Note: 1) Refer to report MTEB26080227-R for EUT test Max Conducted average Output Power value.

Note: 2) $P_d = (P_{out} \cdot G) / (4 \cdot \pi \cdot R^2) = (68.83 \cdot 1.78) / (4 \cdot 3.1416 \cdot 20^2) = 0.024$

Note: 3) EUT's Bluetooth module is more than 20cm away from the human body.

.....THE END OF REPORT.....