Shenzhen Most Technology Service Co., Ltd.
East A, 1 floor of New Aolin Factory buiding, Langshan Erlu, North District,
Hi-tech Industry Park, Nanshan,Shenzhen,Guangdong,China

RF Exposure Evaluation Report

Report Reference No..... :	**MTEB26080227-H**
FCC ID..... :	**2A9P3-1429**
Compiled by (position+printed name+signature).. :	File administrators Ekaterina Zhang
Supervised by (position+printed name+signature).. :	Test Engineer Sunny Deng
Approved by (position+printed name+signature).. :	Manager Yvette Zhou
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.

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**

T E S T R E P O R T

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**

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: Pd = (Pout*G)/(4* Pi * R 2) Where
Pd = power density in mW/cm2
Pout = output power to antenna in mW
G = gain of antenna in linear scale
Pi = 3.1416

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

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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/cm2)	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) Pd = (Pout*G)/(4* Pi * R2)=(44.34*1.78)/(4*3.1416*20^2)=0.016
Note: 3)EUT's Bluetooth module is more than 20cm away from the human body.

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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/cm2)	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) Pd = (Pout*G)/(4* Pi * R2)=(68.83*1.78)/(4*3.1416*20^2)=0.024
Note: 3)EUT's Bluetooth module is more than 20cm away from the human body.

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