

RF Exposure Evaluation Report

Report No.: JYTSZ-R12-2600484

Applicant: SHENZHEN HUAPTEC CO.,LTD

Address of Applicant: 3rd FL,E BLDG,Sogood Science Park,SanWei community,
Hangcheng Street,Bao'anDistrict,Shenzhen,China

Equipment Under Test (EUT)

Product Name: Signal Booster

Model No.: Pro25T-5S-BTW, F20GB-5S-BTW, Pro20T-5S-BTW

Trade mark: HiBoost

FCC ID: OWWF1151725S

Applicable standards: FCC CFR Title 47 Part 2 (§2.1091)

Date of sample receipt: 15 Apr., 2026

Date of Test: 16 Apr., to 27 Jun., 2026

Date of report issue: 27 Jun., 2026

Test Result: PASS

Project by:

Date:

27 Jun., 2026

Reviewed by:

Date:

27 Jun., 2026

Approved by:

Date:

27 Jun., 2026

Manager

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in above the application standard version. Test results reported herein relate only to the item(s) tested.

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1 Version

Version No.	Date	Description
00	27 Jun., 2026	Original

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3 General Information

3.1 Client Information

Applicant:	SHENZHEN HUAPTEC CO.,LTD
Address:	3rd FL,E BLDG,Sogood Science Park,SanWei community, Hangcheng Street,Bao'anDistrict,Shenzhen,China
Manufacturer:	SHENZHEN HUAPTEC CO.,LTD
Address:	3rd FL,E BLDG,Sogood Science Park,SanWei community, Hangcheng Street,Bao'anDistrict,Shenzhen,China

3.2 General Description of E.U.T.

Product Name:	Signal Booster		
Model No.:	Pro25T-5S-BTW, F20GB-5S-BTW, Pro20T-5S-BTW		
Operation Frequency:	LTE band 4:	Uplink: 1710 MHz - 1755 MHz, Downlink: 2110 MHz - 2155 MHz	
	LTE band 5:	Uplink: 824 MHz - 849 MHz, Downlink: 869 MHz - 894 MHz	
	LTE band 12:	Uplink: 698 MHz - 716 MHz, Downlink: 728 MHz - 746 MHz	
	LTE band 13:	Uplink: 776 MHz - 787 MHz, Downlink: 746 MHz - 757 MHz	
	LTE band 25:	Uplink: 1850MHz - 1910 MHz, Downlink: 1930 MHz - 1990 MHz	
Antenna Type:	Indoor Panel Antenna Short Log-periodic Yagi antenna		
Antenna gain:	LTE band 4:	Uplink: 9.0 dBi	Downlink: 4.5 dBi
	LTE band 5:	Uplink: 8.0 dBi	Downlink: 3.5 dBi
	LTE band 12:	Uplink: 7.5 dBi	Downlink: 2.2 dBi
	LTE band 13:	Uplink: 7.5 dBi	Downlink: 2.2 dBi
	LTE band 25:	Uplink: 9.0 dBi	Downlink: 4.5 dBi
Remark:	Pro25T-5S-BTW, Pro20T-5S-BTW and F20GB-5S-BTW, are identical in terms of internal structure, including electrical circuit design, PCB layout, components used, and internal wiring, with the only differences being the model name and the housing color.		
Test Sample Condition:	The test samples were provided in good working order with no visible defects.		

3.3 Disclaimer

Disclaimer:
For the information or data provided by the client in this report, the relevant results or conclusions of this report are only made for these data or information. The testing laboratory is not responsible for the authenticity and accuracy of these data or information.

3.4 Operating Modes

Operating mode	Detail description
Uplink mode:	Keep the EUT in B4/5/12/13/25 Uplink mode
Downlink mode:	Keep the EUT in B4/5/12/13/25 Downlink mode

3.5 Additions to, deviations, or exclusions from the method

No

3.6 Laboratory Facility

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

● **FCC - Designation No.: CN1211**

JianYan Testing Group Shenzhen Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

● **ISED – CAB identifier.: CN0021**

The 3m Semi-anechoic chamber and 10m Semi-anechoic chamber of JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

● **CNAS - Registration No.: CNAS L15527**

JianYan Testing Group Shenzhen Co., Ltd. is accredited to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L15527.

● **A2LA - Registration No.: 4346.01**

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: <https://portal.a2la.org/scopepdf/4346-01.pdf>

3.7 Laboratory Location

JianYan Testing Group Shenzhen Co., Ltd.

Address: No.101, Building 8, Innovation Wisdom Port, No.155 Hongtian Road, Huangpu Community, Xinqiao Street, Bao'an District, Shenzhen, Guangdong, People's Republic of China.

Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info-JYTee@lets.com, Website: <http://jyt.lets.com>

4 Technical Requirements Specification

4.1 Limits

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 1.1310

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

4.2 Test Procedure

Equation from page 18 of OET Bulletin 65, Edition 97-01

$$S = \frac{P \times G}{4 \times \pi \times R^2}$$

Where:

S = power density

P = power input to the antenna

G = numeric gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the centre of radiation of the antenna

4.3 Result

Mode	Maximum power (dBm)	Maximum Output power (W)	Antenna Gain (dBi)	Antenna Gain (numeric)	Distance (cm)	Result (mW/cm ²)	Limits for General Population/ Uncontrolled Exposure (mW/cm ²)
B4							
1732.5	19.51	0.089	9	7.943	20	0.134	1.0
2132.5	15.02	0.032	4.5	2.818	20	0.017	1.0
B5							
863.5	19.92	0.098	8	6.310	20	0.117	0.56
881.5	15.64	0.037	3.5	2.239	20	0.015	0.59
B12							
707.5	18.61	0.072	7.5	5.623	20	0.078	0.47
737.5	15.49	0.035	2.2	1.660	20	0.011	0.49
B13							
782.00	19.37	0.087	7.5	6.310	20	0.103	0.52
751.00	16.55	0.045	2.2	1.660	20	0.014	0.50
B25							
1882.5	19.66	0.092	9	7.943	20	1.138	1.0
1962.5	15.66	0.037	4.5	2.818	20	0.049	1.0

Note: Just the worst case mode was shown in report.

4.4 Conclusion

The device is exempt from the SAR test and satisfies RF exposure evaluation.

-----End of report-----