Test Report No.:
FCC2025-0016-H

TEST REPORT

FCC ID	:	2AYXT61100004
Applicant	:	Eight Sleep Inc
Product Name	:	Pod Hub
Model No.	:	11504

CVC Testing Technology Co., Ltd.

Product Name	Pod Hub	**Trade Mark**	Eight Sleep
Type/Model	11504	**Sample Status**	/
Applicant	Eight Sleep Inc		
Applicant Address	915 Broadway STE 1301 New York, New York 10010		
Manufacturer	BoShiJie Technology Co., Ltd		
Manufacturer Address	Boshijie Industrial Park, No. 1 Huifeng West Third Road, Zhongkai High-tech Zone, Huizhou City, Guangdong, China. 516006		
Factory	BoShiJie Technology Co., Ltd		
Factory Address	Boshijie Industrial Park, No. 1 Huifeng West Third Road, Zhongkai High-tech Zone, Huizhou City, Guangdong, China. 516006		
Sample Identification	1-1	**Test Item**	RF Exposure
Tested According To	FCC Part 2 (Section 2.1093) KDB 447498 D04 Interim General RF Exposure Guidance v01 IEEE C95.1-2019		
Receiving Date	March.19,2025	**Completing Date**	March.28,2025~April.30,2025
Test conclusion	The equipment under test was found to comply with the requirements of the standards applied. Final Verdict：Pass. Seal of CVC Date of issue: **June.25,2025**		
Abbreviations: / Pass= passed Fail = failed N/A= not applicable			
This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of **CVC**.			

Approved by: **Chen Huawen**

Reviewed by: **Xu Zhenfei**

Tested by: **Li Yueao**

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
FCC2025-0016-H	Original release	June.25,2025

1. General Product Information

1.1 General information

Product Name	Pod Hub
Model No.	11504
Additional model	/
Power Supply	110-240V AC 50-60Hz
Serial Number(SN)	B110C3C6
Antenna Type	FPC antenna
Antenna Gain	WIFI: Ant1:-2.21 dBi, Ant2:-3.02 dBi (provided by client) Bluetooth: 5.54 dBi (provided by client) U-NII-1: Ant1:-1.56 dBi, Ant2:-3.01 dBi (provided by client) U-NII-3: Ant1:2.88 dBi, Ant2:4.07 dBi (provided by client)
Beamforming gain	Unsupported (provided by client)
Frequency Range	Bluetooth: 2402~2480MHz IEEE 802.11b/g/n(20MHz): 2412~2462MHz IEEE 802.11n(HT40): 2422~2452MHz U-NII-1: For 20MHz:5180-5240MHz For 40MHz:5190-5230MHz For 80MHz:5210MHz U-NII-3: For 20MHz:5745-5825MHz For 40MHz:5755-5795MHz For 80MHz:5775MHz
Operate Temp.Range	-10℃~+70℃

Note：

1. The information of the EUT is declared by the manufacturer.
2. The laboratory is not responsible for the product technical specification provided by the client.
3. The product models of this application are: 11504. All the tests carried out on model 11504.
4. EUT photo refer to report (Report NO.:FCC2025-0016-EUT).
5. There are two power supplies, from different manufacturers.

Power supply information		
No.	**Manufacturer**	**MODEL**
1	Meanwell	LOP-400-12
2	Megmeet	MAP400-12

6. This time, the main engine+bedspread was used for testing, and the test results covered other combinations.
7. There are four ways to sell this product in combination:1)Host+Bed cover,2)Host+Pillow,3)Host+Bed cover+Pillow,4)Host+Bed cover+blanket.

2. Human Exposure Assessment

2.1 RF Exposure Test Exemptions for Single Source

2.1.1 1-mW Test Exemption

The 1 mW Test Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.
The 1 mW blanket exemption applies at separation distances less than 0.5 cm, including where there is no separation. This exemption shall not be used in conjunction with other exemption criteria other than those for multiple RF sources in paragraph § 1.1307(b)(3)(ii)(A).
The 1 mW exemption is independent of service type and covers the full range of 100 kHz to 100 GHz, but it shall not be used in conjunction with other exemption criteria or in devices with higher-power transmitters operating in the same time-averaging period. Exposure from such higher-power transmitters would invalidate the underlying assumption that exposure from the lower-power transmitter is the only contributor to SAR in the relevant volume of tissue.

2.1.2 SAR-Based Exemption

A more comprehensive exemption, considering a variable power threshold that depends on both the *separation distance* and power, is provided in § 1.1307(b)(3)(i)(B). This exemption is applicable to the frequency range between 300 MHz and 6 GHz, with *test separation distances* between 0.5 cm and 40 cm, and for all RF sources in fixed, mobile, and portable device exposure conditions.
Accordingly, a RF source is considered an *RF exempt device* if its available maximum time averaged (matched conducted) power or its effective radiated power (ERP), whichever is greater, are below a specified threshold. This exemption threshold was derived based on general population 1-g SAR requirements.

General frequency and separation-distance dependent MPE-based effective radiated power (ERP) thresholds are in Table B.1 [Table 1 of § 1.1307(b)(1)(i)(C)] to support an exemption from further evaluation from 300 kHz through 100 GHz.

The table applies to any RF source (i.e., single fixed, mobile, and portable transmitters) and specifies power and distance criteria for each of the five frequency ranges used for the MPE limits. These criteria apply at separation distances from any part of the radiating structure of at least $\lambda/2\pi$. The thresholds are based on the general population MPE limits with a single perfect reflection, outside of the reactive near-field, and in the main beam of the radiator.
For mobile devices that are not exempt per Table B.1 [Table 1 of § 1.1307(b)(1)(i)(C)] at distances from 20 cm to 40 cm and in 0.3 GHz to 6 GHz, evaluation of compliance with the exposure limits in § 1.1310 is necessary if the ERP of the device is greater than ERP_{20cm} in Formula (B.1) [repeated from § 2.1091(c)(1) and § 1.1307(b)(1)(i)(B)]

TABLE B.1—THRESHOLDS FOR SINGLE RF SOURCES
SUBJECT TO ROUTINE ENVIRONMENTAL EVALUATION

RF Source Frequency			**Minimum Distance**			**Threshold ERP**
f_L MHz		f_H MHz	$\lambda_L / 2\pi$		$\lambda_H / 2\pi$	W
0.3	-	1.34	159m	-	35.6m	$1920R^2$
1.34	-	30	35.6m	-	1.6m	$3450R^2/f^2$
30	-	300	1.6m	-	159mm	$3.83R^2$
300	-	1500	159mm	-	31.8mm	$0.0128R^2/f^2$
1500	-	100000	31.8mm	-	0.5mm	$19.2R^2$
Subscripts L and H are low and high; λ is wavelength. From § 1.1307(b)(3)(i)(C), modified by adding Minimum Distance columns.						

2.1.3 MPE-Based Exemption

An alternative to the SAR-based exemption is provided in § 1.1307(b)(3)(i)(C), for a much wider frequency range, from 300 kHz to 100 GHz, applicable for separation distances greater or equal to $\lambda/2\pi$, where λ is the free-space operating wavelength in meters. The MPE-based test exemption condition is in terms of ERP, defined as the product of the maximum antenna gain and the delivered maximum time-averaged power.[10] For this case, a RF source is an *RF exempt device* if its ERP (watts) is no more than a frequency-dependent value, as detailed tabular form in Appendix B. These limits have been derived based on the basic specifications on Maximum Permissible Exposure (MPE) considered for the FCC rules in § 1.1310(e)(1).

SAR-based thresholds are derived based on frequency, power, and separation distance of the RF source. The formula defines the thresholds in general for either available maximum time-averaged power or maximum time-averaged ERP, whichever is greater.
If the ERP of a device is not easily determined, such as for a portable device with a small form factor, the applicant may use the available maximum time-averaged power exclusively if the device antenna or radiating structure does not exceed an electrical length of λ/4.
As for devices with antennas of length greater than λ/4 where the gain is not well defined, but always less than that of a half-wave dipole (length λ/2), the available maximum time-averaged power generated by the device may be used in place of the maximum time-averaged ERP, where that value is not known.
The separation distance is the smallest distance from any part of the antenna or radiating structure for all persons, during operation at the applicable ERP. In the case of mobile or portable devices, the separation distance is from the outer housing of the device where it is closest to the antenna.
The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (mW). This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula (B.2).

$$\mathrm{ERP}_{20\mathrm{cm}}(\mathrm{mW}) = \begin{cases} 2040\mathrm{f}_{(\mathrm{GHz})} & 0.3\mathrm{GHz} \le \mathrm{f} \le 1.5\mathrm{GHz} \\ 3060 & 1.5\mathrm{GHz} \le \mathrm{f} \le 6\mathrm{GHz} \end{cases} \qquad \text{(B. 1)}$$

$$\text{Pth(mW)} = \begin{cases} \text{ERP}_{20\text{cm}}(\text{d}_{(\text{cm})}/20\text{cm})^{x} & \text{d} \le 20\text{cm} \\ \text{ERP}_{20\text{cm}} & 20\text{cm} < \text{d} \le 40\text{cm} \end{cases} \quad \text{(B. 2)}$$

Where

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

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

2.1.4 MPE exposure limits

Devices operating in standalone mobile device exposure conditions may contain a single transmitter or multiple transmitters that do not transmit simultaneously. Mobile devices, as defined in § 2.1091 along with their applicable RF exposure limits, are characterized by the requirement of maintaining a minimum *test separation distance* ≥ 20 cm between any radiating structure of the device and nearby persons; to apply only mobile device (MPE) exposure limits. This *test separation distance* requirement must be defined for the most conservative exposure conditions, and must be fully supported for all the operating and installation configurations of the transmitter and its antenna(s), according to the source-based time-averaged maximum power requirements of § 2.1091(d)(2).

$$S = \frac{PG}{4\pi R^2}$$

Where
S:power density in mW/cm^2
P:power input to the antenna in mW
G:power gain of the antenna in the direction of interest relative to an isotropic radiator.
R:distance to the center of radiation of the antenna in cm
Note:
1. Mobile or fixed location transmitters,minmum separation distance is 20 cm,even if calculations indicate MPE distance is less.
2. The Numenric Gain calculated by 10^(ant.Gain*(dBi)/10).
3. Each band max power which perform MPE of any configurations.

Table 1 to § 1.1310(e)(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)
(i)Limits for Occupational/Controlled Exposure				
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
1500~100000			5	＜6
(ii)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
1500~100000			1.0	＜30
f=frequency in MHz； *=Plane wave equivalent power density.				

2.2 RF Exposure Test Exemptions for Simultaneous Transmission Sources

2.2.1 1-mW Test Exemption for Multiple Sources

As discussed in § 1.1307(b)(3)(ii)(A), the 1-mW exemption intended for single transmitters may be also applied to simultaneous transmission conditions, within the same host device, according one of the following criteria:
a) When maximum available power each individual transmitting antenna within the same time averaging period is ≤ 1 mW, and the nearest parts of the antenna structures of the simultaneously operating transmitters are separated by at least 2 cm.
b) When the aggregate maximum available power of all transmitting antennas is ≤ 1 mW in the same time-averaging period.
This exemption may not be combined with any other exemption.

2.2.2 Simultaneous Transmission with both SAR-based and MPE-Based Test Exemptions

This case is described in detail in § 1.1307(b)(3)(ii)(B) and covers the situations where both SAR-based and MPE-based exemption may be considered for test exemption in fixed, mobile, or portable device exposure conditions. For these cases, a device with multiple RF sources transmitting simultaneously will be considered an *RF exempt device* if the condition of Formula (1) is satisfied.

The sum of the ratios of the applicable terms for SAR-based, MPE-based and measured SAR or MPE shall be less than 1, to determine simultaneous transmission exposure compliance.

$$\sum_{i=1}^{a} \frac{P_i}{P_{th,i}} + \sum_{j=1}^{b} \frac{ERP_j}{ERP_{th,j}} + \sum_{k=1}^{c} \frac{\text{Evaluated}_k}{\text{Exposure Limit}_k} \leq 1$$

Where
a is number of fixed, mobile, or portable RF sources claiming exemption using the §1.1307(b)(3)(i)(B) formula for P_{th}, including existing exempt transmitters and those being added.
b is number of fixed, mobile, or portable RF sources claiming exemption using the applicable § 1.1307(b)(3)(i)(C) Table 1 formula for Threshold ERP, including existing exempt transmitters and those being added.
c is number of existing fixed, mobile, or portable RF sources with known evaluation for the specified minimum distance.
P_i is the available maximum time-averaged power or the ERP, whichever is greater, for fixed, mobile, or portable RF source i at a distance between 0.5 cm and 40 cm (inclusive).
$P_{th,i}$ is the exemption threshold power (Pth) according to the § 1.1307(b)(3)(i)(B) formula for fixed, mobile, or portable RF source i.
ERP_j is the available maximum time-averaged power or the ERP, whichever is greater, of fixed, mobile, or portable RF source j.
$ERP_{th,j}$ is exemption threshold ERP for fixed, mobile, or portable RF source j, at a distance of at least $\lambda/2\pi$, according to the applicable § 1.1307(b)(3)(i)(C) Table 1 formula at the location in question.
$Evaluated_k$ is the maximum reported SAR or MPE of fixed, mobile, or portable RF source k either in the device or at the transmitter site from an existing evaluation.
$Exposure\ Limit_k$ is either the general population/uncontrolled maximum permissible exposure (MPE) or specific absorption rate (SAR) limit for each fixed, mobile, or portable sources, as applicable.

2.3 CLASSIFICATION

The antenna of this product, under normal use condition, is 5mm away from the body of the user. So, this device is classified as Portable Device.

The antenna of this product, under normal use condition, is 20cm away from the body of the user. So, this device is classified as Mobile Device.

Method in name of	calculation method
Method 1	1-mW Test Exemption
Method 2	SAR-Based Exemption
Method 3	MPE-Based Exemption
Method 4	MPE exposure limits
Method 5	1-mW Test Exemption for Multiple Sources
Method 6	Simultaneous Transmission with both SAR-based and MPE-Based Test Exemptions

3. RF Output Power

The tuned conducted Average Power (declared by client)

Mode	Frequency(MHz)	Target Power(dBm)	Tolerance (dBm)	Lower Tolerance (dBm)	Upper Tolerance (dBm)
11B Ant1	2412-2462MHz	16.5	±0.5	16	17
11G Ant1	2412-2462MHz	20.5	±0.5	20	21
11N20 Ant1	2412-2462MHz	19.0	±1.0	18	20
11N40 Ant1	2422-2452MHz	19.0	±1.0	18	20
11B Ant2	2412-2462MHz	15.5	±0.5	15	16
11G Ant2	2412-2462MHz	19.5	±0.5	19	20
11N20 Ant2	2412-2462MHz	19.0	±1.0	18	20
11N40 Ant2	2422-2452MHz	19.0	±1.0	18	20
11A Ant1	5180~5240MHz	14.0	±1.0	13	15
11A Ant1	5745~5825MHz	14.0	±1.0	13	15
11N20 Ant1	5180~5240MHz	12.0	±1.0	11	13
11N20 Ant1	5745~5825MHz	12.5	±0.5	12	13
11N40 Ant1	5190~5230MHz	12.0	±1.0	11	13
11N40 Ant1	5755~5795MHz	12.5	±0.5	12	13
11AC20 Ant1	5180~5240MHz	11.0	±1.0	10	12
11AC20 Ant1	5745~5825MHz	10.5	±0.5	10	11
11AC40 Ant1	5190~5230MHz	10.5	±0.5	10	11
11AC40 Ant1	5755~5795MHz	10.5	±0.5	10	11
11AC80 Ant1	5180~5240MHz	10.5	±0.5	10	11
11AC80 Ant1	5745~5825MHz	10.5	±0.5	10	11
11A Ant2	5180~5240MHz	14.0	±1.0	13	15
11A Ant2	5745~5825MHz	12.0	±1.0	11	13
11N20 Ant2	5180~5240MHz	12.5	±1.5	11	14
11N20 Ant2	5745~5825MHz	11.0	±1.0	10	12
11N40 Ant2	5190~5230MHz	13.0	±1.0	12	14
11N40 Ant2	5755~5795MHz	11.0	±1.0	10	12
11AC20 Ant2	5180~5240MHz	11.0	±1.0	10	12
11AC20 Ant2	5745~5825MHz	9.5	±1.5	8	11
11AC40 Ant2	5190~5230MHz	10.5	±0.5	10	11
11AC40 Ant2	5755~5795MHz	9.5	±1.5	8	11
11AC80 Ant2	5180~5240MHz	10.5	±0.5	10	11
11AC80 Ant2	5745~5825MHz	10.5	±0.5	10	11
BLE_1M	2402~2480MHz	0.5	±0.5	0	1
BLE_2M	2402~2480MHz	0.5	±0.5	0	1
DH5	2402~2480MHz	0.5	±0.5	0	1
2DH5	2402~2480MHz	0.5	±0.5	0	1
3DH5	2402~2480MHz	0.5	±0.5	0	1

The conducted power turn-up tolerance reference manufacturer specification.

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.96	≤30.00	PASS
	Ant2	2412	15.43	≤30.00	PASS
	Ant1	2437	16.36	≤30.00	PASS
	Ant2	2437	15.88	≤30.00	PASS
	Ant1	2462	16.18	≤30.00	PASS
	Ant2	2462	15.78	≤30.00	PASS
11G	Ant1	2412	20.95	≤30.00	PASS
	Ant2	2412	19.83	≤30.00	PASS
	Ant1	2437	20.37	≤30.00	PASS
	Ant2	2437	19.19	≤30.00	PASS
	Ant1	2462	20.75	≤30.00	PASS
	Ant2	2462	19.68	≤30.00	PASS
11N20SISO	Ant1	2412	19.16	≤30.00	PASS
	Ant2	2412	18.47	≤30.00	PASS
	total	2412	21.86	≤30.00	PASS
	Ant1	2437	18.59	≤30.00	PASS
	Ant2	2437	18.47	≤30.00	PASS
	total	2437	21.58	≤30.00	PASS
	Ant1	2462	18.65	≤30.00	PASS
	Ant2	2462	18.63	≤30.00	PASS
	total	2462	21.62	≤30.00	PASS
11N40SISO	Ant1	2422	19.53	≤30.00	PASS
	Ant2	2422	19.28	≤30.00	PASS
	total	2422	22.49	≤30.00	PASS
	Ant1	2437	19.37	≤30.00	PASS
	Ant2	2437	19.36	≤30.00	PASS
	total	2437	22.38	≤30.00	PASS
	Ant1	2452	19.28	≤30.00	PASS
	Ant2	2452	18.75	≤30.00	PASS
	total	2452	21.93	≤30.00	PASS
BLE_1M	Ant1	2402	0.05	≤30.00	PASS
	Ant1	2440	0.03	≤30.00	PASS
	Ant1	2480	0.02	≤30.00	PASS
BLE_2M	Ant1	2402	0.10	≤30.00	PASS
	Ant1	2440	0.03	≤30.00	PASS
	Ant1	2480	0.01	≤30.00	PASS
DH5	Ant1	2402	0.98	≤30.00	PASS
	Ant1	2441	0.91	≤30.00	PASS
	Ant1	2480	0.86	≤30.00	PASS
2DH5	Ant1	2402	0.79	≤20.97	PASS
	Ant1	2441	0.96	≤20.97	PASS
	Ant1	2480	0.89	≤20.97	PASS
3DH5	Ant1	2402	0.87	≤20.97	PASS
	Ant1	2441	0.92	≤20.97	PASS
	Ant1	2480	0.97	≤20.97	PASS
11A	Ant1	5180	13.35	≤23.98	PASS
	Ant2	5180	13.39	≤23.98	PASS
	Ant1	5220	13.68	≤23.98	PASS
	Ant2	5220	14.22	≤23.98	PASS
	Ant1	5240	14.37	≤23.98	PASS
	Ant2	5240	14.35	≤23.98	PASS
	Ant1	5745	13.98	≤29.49	PASS
	Ant2	5745	11.52	≤29.49	PASS

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
	Ant1	5785	14.21	≤29.49	PASS
	Ant2	5785	12.16	≤29.49	PASS
	Ant1	5825	13.92	≤29.49	PASS
	Ant2	5825	12.72	≤29.49	PASS
11N20MIMO	Ant1	5180	11.65	≤23.98	PASS
	Ant2	5180	11.85	≤23.98	PASS
	total	5180	14.76	≤23.98	PASS
	Ant1	5220	12.16	≤23.98	PASS
	Ant2	5220	12.86	≤23.98	PASS
	total	5220	15.53	≤23.98	PASS
	Ant1	5240	12.96	≤23.98	PASS
	Ant2	5240	13.05	≤23.98	PASS
	total	5240	16.02	≤23.98	PASS
	Ant1	5745	12.52	≤29.49	PASS
	Ant2	5745	10.19	≤29.49	PASS
	total	5745	14.52	≤29.49	PASS
	Ant1	5785	12.71	≤29.49	PASS
	Ant2	5785	10.80	≤29.49	PASS
	total	5785	14.87	≤29.49	PASS
	Ant1	5825	12.62	≤29.49	PASS
	Ant2	5825	11.46	≤29.49	PASS
	total	5825	15.09	≤29.49	PASS
11N40MIMO	Ant1	5190	11.92	≤23.98	PASS
	Ant2	5190	12.55	≤23.98	PASS
	total	5190	15.26	≤23.98	PASS
	Ant1	5230	12.53	≤23.98	PASS
	Ant2	5230	13.33	≤23.98	PASS
	total	5230	15.96	≤23.98	PASS
	Ant1	5755	12.67	≤29.49	PASS
	Ant2	5755	10.53	≤29.49	PASS
	total	5755	14.74	≤29.49	PASS
	Ant1	5795	12.88	≤29.49	PASS
	Ant2	5795	11.27	≤29.49	PASS
	total	5795	15.16	≤29.49	PASS
11AC20MIMO	Ant1	5180	10.02	≤23.98	PASS
	Ant2	5180	10.13	≤23.98	PASS
	total	5180	13.09	≤23.98	PASS
	Ant1	5220	10.03	≤23.98	PASS
	Ant2	5220	10.58	≤23.98	PASS
	total	5220	13.32	≤23.98	PASS
	Ant1	5240	11.12	≤23.98	PASS
	Ant2	5240	10.69	≤23.98	PASS
	total	5240	13.92	≤23.98	PASS
	Ant1	5745	10.48	≤29.49	PASS
	Ant2	5745	8.59	≤29.49	PASS
	total	5745	12.65	≤29.49	PASS
	Ant1	5785	10.51	≤29.49	PASS
	Ant2	5785	9.18	≤29.49	PASS
	total	5785	12.91	≤29.49	PASS
	Ant1	5825	10.47	≤29.49	PASS
	Ant2	5825	10.72	≤29.49	PASS
	total	5825	13.61	≤29.49	PASS
11AC40MIMO	Ant1	5190	10.18	≤23.98	PASS
	Ant2	5190	10.51	≤23.98	PASS
	total	5190	13.36	≤23.98	PASS
	Ant1	5230	10.49	≤23.98	PASS
	Ant2	5230	10.73	≤23.98	PASS
	total	5230	13.62	≤23.98	PASS
	Ant1	5755	10.82	≤29.49	PASS
	Ant2	5755	8.85	≤29.49	PASS
	total	5755	12.96	≤29.49	PASS
	Ant1	5795	10.93	≤29.49	PASS
	Ant2	5795	10.32	≤29.49	PASS

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
	total	5795	13.65	≤29.49	PASS
11AC80MIMO	Ant1	5210	10.20	≤23.98	PASS
	Ant2	5210	10.51	≤23.98	PASS
	total	5210	13.37	≤23.98	PASS
	Ant1	5775	10.79	≤29.49	PASS
	Ant2	5775	10.07	≤29.49	PASS
	total	5775	13.46	≤29.49	PASS

Note: The relevant measured result has the offset with cable loss already.

4. Test Results

Mode	Maximum source-based time averaged conducted output power (dBm)	Maximum source-based time averaged conducted output power (mW)	Minimum separation distance (cm)	Select calculation method	Limit for Exemption (mW)	Verdict
WIFI2.4GHz Ant1	21.00	125.8925	20	Method 3	3060	Exempt from SAR/MPE
WIFI2.4GHz Ant2	20.00	100.0000	20	Method 3	3060	Exempt from SAR/MPE
WIFI5GHz Ant1	15.00	31.6228	20	Method 3	3060	Exempt from SAR/MPE
WIFI5GHz Ant2	15.00	31.6228	20	Method 3	3060	Exempt from SAR/MPE
Bluetooth (LE)	1.00	1.2589	20	Method 3	3060	Exempt from SAR/MPE
Bluetooth (BR/EDR)	1.00	1.2589	20	Method 3	3060	Exempt from SAR/MPE

Mode	Calculation for Simultaneous Transmission	Select calculation method	Limit for Exemption	Verdict
Simultaneous Transmission	0.0949	Method 6	1	Exempt from SAR/MPE

Note: This device has three antennas, one for Bluetooth transmission and two for WIFI transmission.
Simultaneous Transmission=(125.8925/3060)+(100.00/3060)+(31.6228/3060)
+(31.6228/3060)+(1.2589 /3060)=0.0949

Therefore this device complies with FCC's RF radiation exposure limits for general population without SAR evaluation.

No Body Text Below

Important

1. The test report is invalid without the official stamp of CVC;
2. Any part photocopies of the test report are forbidden without the written permission from CVC;
3. The test report is invalid without the signatures of Author and Reviewer;
4. The test report is invalid if altered;
5. Objections to the test report must be submitted to CVC within 15 days;
6. Generally, commission test is responsible for the tested samples only;
7. As for the test result, "—" or " N/A" means "not applicable", " / "means "not testing", "P" means "pass" and "F" means "fail".

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