

RF MEASUREMENT REPORT

FCC ID: 2AXJ4XE75V3

Applicant: TP-Link Corporation Limited

Product: AXE5400 Whole Home Mesh Wi-Fi 6E AP

Model No.: HX716 Pro

Brand Name: tp-link

FCC Classification: 15E 6GHz Low Power Indoor Access Point (6ID)

FCC Rule Part(s): Part 15 Subpart E (Section 15.407)

Result: Complies

Received Date: 2023-08-04

Test Date: 2023-10-23 ~ 2023-10-25

Reviewed By:



Kevin Guo

Approved By:



Robin Wu



The test results relate only to the samples tested.

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 KDB789033. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2308RSU024-U4	V01	Initial Report	2023-11-10	Valid

Note: This report is prepared for FCC Class II permissive change supplement based on the FCC ID: 2AXJ4XE75V3, original grant date: 08/20/2023 to open the NII-2a/-2c bands and Beamforming function via the software.

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1. General Information

1.1. Applicant

TP-Link Corporation Limited

Room 901, 9/F., New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hongkong

1.2. Manufacturer

TP-Link Corporation Limited

Room 901, 9/F., New East Ocean Centre, 9 Science Museum Road, Tsim Sha Tsui, Kowloon, Hongkong

1.3. Testing Facility

☐	Test Site – MRT Suzhou Laboratory
	Laboratory Location (Suzhou - Wuzhong) D8 Building, No.2 Tian’edang Rd., Wuzhong Economic Development Zone, Suzhou, China
	Laboratory Location (Suzhou - SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China
	Laboratory Accreditations
	A2LA: 3628.01 FCC: CN1166 VCCI: ☐ R-20025 ☐ G-20034 ☐ C-20020 ☐ T-20020 ☐ R-20141 ☐ G-20134 ☐ C-20103 ☐ T-20104 CNAS: L10551 ISED: CN0001
☒	Test Site – MRT Shenzhen Laboratory
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China
	Laboratory Accreditations
	A2LA: 3628.02 FCC: CN1284 CNAS: L10551 ISED: CN0105
☐	Test Site – MRT Taiwan Laboratory
	Laboratory Location (Taiwan) No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
	TAF: 3261 FCC: 291082, TW3261 ISED: TW3261

1.4. Product Information

Product Name	AXE5400 Whole Home Mesh Wi-Fi 6E AP	
Model No.	HX716 Pro	
Serial No.	SN: 000AEB130969 (For Conducted)	
Wi-Fi Specification	802.11a/b/g/n/ac/ax	
Antenna Information	Refer to section 1.7	
Power Type	AC/DC Adapter input	
Operating Environment	☒ Indoor Use	☐ Outdoor Use
Accessory		
AC/DC Adapter	Model: T120200-2B1 Input: 100-240V ~ 50/60Hz 0.8A Output: 12V 2.0A	
Note: The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.		

1.5. Radio Specification under Test

Frequency Range	For 802.11ax-HE20: 6115 ~ 7115MHz For 802.11ax-HE40: 6125 ~ 7085MHz For 802.11ax-HE80: 6145 ~ 7025MHz For 802.11ax-HE160: 6185 ~ 6985MHz	
Type of Modulation	802.11ax: OFDMA	
Data Rate	802.11ax: up to 2402Mbps	
Channel Puncturing Function	☐ Supported	☒ Unsupported
Support RU	☒ Full RU	☐ Partial RU

1.6. Working Frequencies

802.11ax-HE20

Channel	Frequency	Channel	Frequency	Channel	Frequency
33	6115 MHz	37	6135 MHz	41	6155 MHz
45	6175 MHz	49	6195 MHz	53	6215 MHz
57	6235 MHz	61	6255 MHz	65	6275 MHz
69	6295 MHz	73	6315 MHz	77	6335 MHz
81	6355 MHz	85	6375 MHz	89	6395 MHz
93	6415 MHz	97	6435 MHz	101	6455 MHz
105	6475 MHz	109	6495 MHz	113	6515 MHz
117	6535 MHz	121	6555 MHz	125	6575 MHz
129	6595 MHz	133	6615 MHz	137	6635 MHz
141	6655 MHz	145	6675 MHz	149	6695 MHz
153	6715 MHz	157	6735 MHz	161	6755 MHz
165	6775 MHz	169	6795 MHz	173	6815 MHz
177	6835 MHz	181	6855 MHz	185	6875 MHz
189	6895 MHz	193	6915 MHz	197	6935 MHz
201	6955 MHz	205	6975 MHz	209	6995 MHz
213	7015 MHz	217	7035 MHz	221	7055 MHz
225	7075 MHz	229	7095 MHz	--	--

802.11ax-HE40

Channel	Frequency	Channel	Frequency	Channel	Frequency
35	6125 MHz	43	6165 MHz	51	6205 MHz
59	6245 MHz	67	6285 MHz	75	6325 MHz
83	6365 MHz	91	6405 MHz	99	6445 MHz
107	6485 MHz	115	6525 MHz	123	6565 MHz
131	6605 MHz	139	6645 MHz	147	6685 MHz
155	6725 MHz	163	6765 MHz	171	6805 MHz
179	6845 MHz	187	6885 MHz	195	6925 MHz
203	6965 MHz	211	7005 MHz	219	7045 MHz
227	7085 MHz	--	--	--	--

802.11ax-HE80

Channel	Frequency	Channel	Frequency	Channel	Frequency
39	6145 MHz	55	6225 MHz	71	6305 MHz
87	6385 MHz	103	6465 MHz	119	6545 MHz
135	6625 MHz	151	6705 MHz	167	6785 MHz
183	6865 MHz	199	6945 MHz	215	7025 MHz

802.11ax-HE160

Channel	Frequency	Channel	Frequency	Channel	Frequency
47	6185 MHz	79	6345 MHz	111	6505 MHz
143	6665 MHz	175	6825 MHz	207	6985 MHz

1.7. Antenna Details

Antenna Type	Frequency Range (MHz)	Number of spatial streams	Max. Antenna Gain (dBi)	Beamforming Directional Gain (dBi)	CDD Directional Gain (dBi)	
					For Power	For PSD
Dipole	2412 ~ 2462	1	1.97	4.98	1.97	4.98
	5150 ~ 5850	1	0.97	3.98	0.97	3.98
	5925 ~ 7125	1	0.99	4.00	0.99	4.00
	5925 ~ 7125	2	0.99	--	0.99	0.99

Remark:

- The EUT supports Cyclic Delay Diversity (CDD) mode, and CDD signals are correlated.
If all antennas have the same gain, G_{ANT} , Directional gain = $G_{ANT} + \text{Array Gain}$, where Array Gain is as follows.
 - For power spectral density (PSD) measurements on all devices,
Array Gain = $10 \log (N_{ANT} / N_{SS})$ dB;
 - For power measurements on IEEE 802.11 devices,
Array Gain = 0 dB for $N_{ANT} \leq 4$;
- The EUT also supports Beam Forming mode, and the Beam Forming support 802.11n/ac/ax, not include 802.11a/b/g. BF Directional gain = $G_{ANT} + 10 \log (N_{ANT})$.
- The information as above is from the AUT report.

Test Mode	TX Paths	CDD Mode	Beamforming Mode
802.11b/g (DTS)	2	√	X
802.11n/ax & VHT (DTS)	2	√	√
802.11a (NII)	2	√	X
802.11n/ac/ax (NII)	2	√	√
802.11ax (6ID)	2	√	√
Note: “√” means “Support”, “X” means “Not support”.			

2. Test Configuration

2.1. Test Details for Class II Perssive Change

C2PC Change List	Verified Test Item	Remark
- Open the UNII-2a/-2c bands via software. - Open the Beamforming function at 802.11n/ac/ax of 2.4G/5G/6G bands via software.	Maximum Equivalent Isotropically Radiated Power (EIRP)	Verified power only.

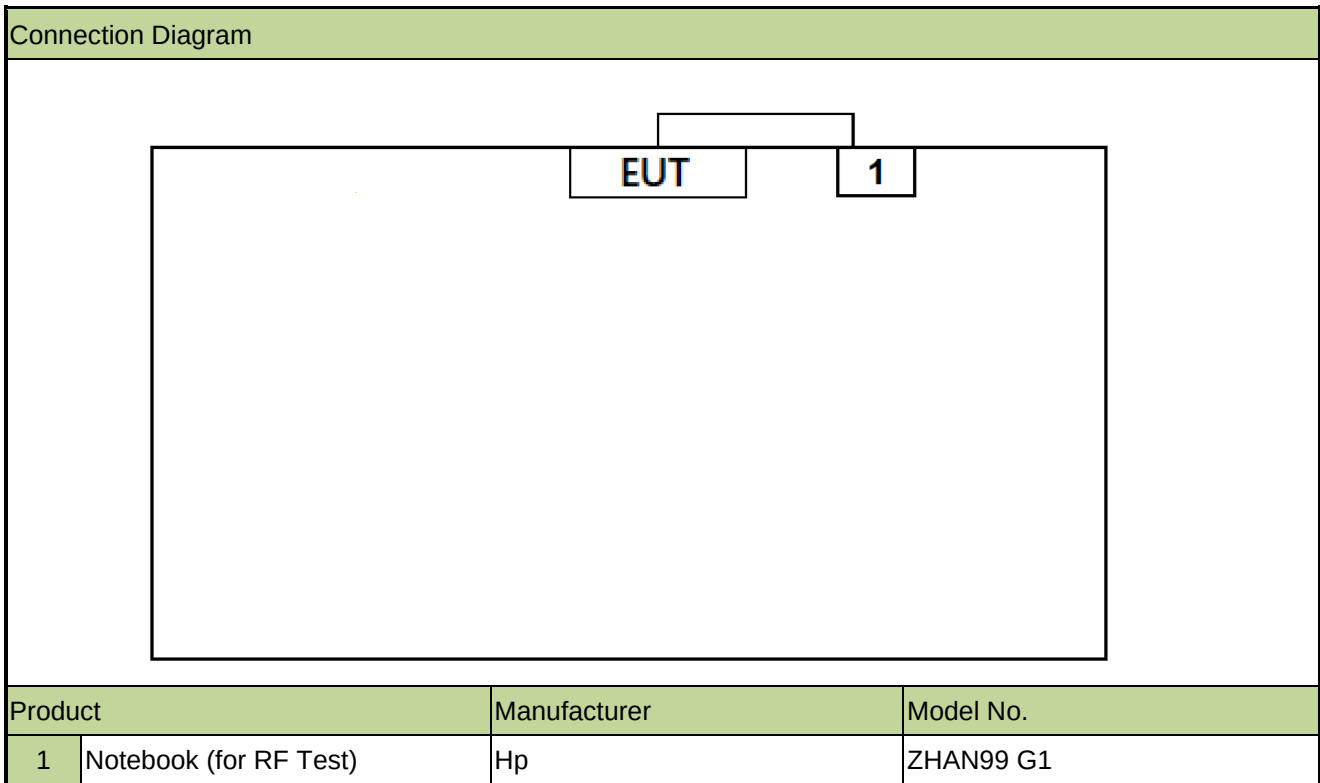
Note: This product is an extension based on the FCC ID: 2AXJ4XE75V3, original grant date: 08/20/2023, the changes and verified item refer to the table as above.

2.2. Test Mode

Mode 1: Transmit by 802.11ax-HE20_Nss=1 (MCS0)
Mode 2: Transmit by 802.11ax-HE40_Nss=1 (MCS0)
Mode 3: Transmit by 802.11ax-HE80_Nss=1 (MCS0)
Mode 4: Transmit by 802.11 ax-HE160_Nss=1 (MCS0)
Mode 5: Transmit by 802.11ax-HE20_Nss=2 (MCS0)
Mode 6: Transmit by 802.11ax-HE40_Nss=2 (MCS0)
Mode 7: Transmit by 802.11ax-HE80_Nss=2 (MCS0)
Mode 8: Transmit by 802.11 ax-HE160_Nss=2 (MCS0)
Note: - For CDD mode, this device supports 2 Nss, Nss=1 and Nss=2 was assessed in this report. - All test items were evaluated under CDD mode in this report. The RF output power setting under beamforming mode is same as CDD mode, so there is no additional test under beamforming mode. - EUT supports one configuration only in 802.11ax full RU mode.

2.3. Test System Connection Diagram

The device was tested per the guidance ANSI C63.10: 2013 was used to reference the appropriate EUT setup for radiated emissions testing and AC line conducted testing.



2.4. Test Software

The test utility software used during testing was “QSPR”, and the version was 5.0-00202. Final power setting please refer to operational description.

2.5. Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ANSI C63.10-2013
- FCC KDB 789033 D02v02r01
- FCC KDB 987594 D02v01
- FCC KDB 987594 D04v01
- FCC KDB 662911 D01v02r01
- FCC KDB 414788 D01v01r01
- FCC KDB 412172 D01v01r01

2.6. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20 ~ 75%RH

3. Antenna Requirements

Excerpt from §15.407(a)(9) of the FCC Rules/Regulations:

Access points operating under the provisions of paragraphs (a)(5) and (a)(6) of this section must employ a permanently attached integrated antenna.

- The antenna of the device is built in and locked inside the enclosure.

Conclusion:

The device complies with the requirement of §15.407(a)(9).

4. Measuring Instrument

Instrument	Manufacturer	Model No.	Asset No.	Cali. Interval	Cali. Due Date	Test Site
Attenuator	MVE	MVE2213	MRTSUE11062	1 year	2024-06-08	NS
Attenuator	MVE	MVE2213	MRTSUE11063	1 year	2024-06-08	NS
Attenuator	MVE	MVE2213	MRTSUE11064	1 year	2024-06-08	NS
Attenuator	MVE	MVE2213	MRTSUE11065	1 year	2024-06-08	NS
USB Power Sensor	Keysight	U2021XA	MRTSUE06581	1 year	2024-06-30	NS-TR2
Thermohygrometer	DELI	NO.8813	MRTSUE06783	1 year	2023-12-28	NS-TR2

Software	Version	Function
BenchVue Power Meter	2021	Power

5. Decision Rules and Measurement Uncertainty

5.1. Decision Rules

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4: 2012 Clause 8.2.
(Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.2. Measurement Uncertainty

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 1.4dB

6. Test Result

6.1. Summary

FCC Section(s)	Test Description	Test Condition	Verdict
15.407(a)(5)	Maximum Equivalent Isotropically Radiated Power (EIRP)	Conducted	Pass

Note:

The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.

6.2. Output Power Measurement

6.2.1. Test Limit

For an indoor access point operating in the 5.925-7.125 GHz band, the maximum EIRP over the frequency band of operation must not exceed 30 dBm.

6.2.2. Test Procedure

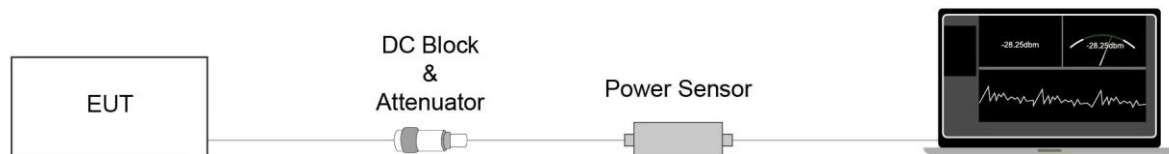
KDB 789033D02v02r01- Section II)E)3)b) Method PM-G

6.2.3. Test Setting

Average Power Measurement

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

6.2.4. Test Setup



6.2.5. Test Result

Refer to Appendix A.1.

Appendix A – Test Result

A.1 Output Power Test Result

Test Site	NS-TR2	Test Engineer	Flag Yang
Test Date	2023-10-23~2023-10-25	Test Mode	Nss = 1 (CDD Mode)

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	EIRP (dBm)	Limit (dBm)
802.11ax-HE20	MCS0	33	6115	9.80	8.31	12.13	13.12	≤ 30.00
802.11ax-HE20	MCS0	65	6275	9.35	8.29	11.86	12.85	≤ 30.00
802.11ax-HE20	MCS0	93	6415	11.09	9.92	13.55	14.54	≤ 30.00
802.11ax-HE20	MCS0	97	6435	9.85	8.78	12.36	13.35	≤ 30.00
802.11ax-HE20	MCS0	105	6475	10.50	9.12	12.87	13.86	≤ 30.00
802.11ax-HE20	MCS0	113	6515	10.70	9.42	13.12	14.11	≤ 30.00
802.11ax-HE20	MCS0	117	6535	11.20	10.34	13.80	14.79	≤ 30.00
802.11ax-HE20	MCS0	153	6715	10.56	9.63	13.13	14.12	≤ 30.00
802.11ax-HE20	MCS0	185	6875	10.47	10.27	13.38	14.37	≤ 30.00
802.11ax-HE20	MCS0	189	6895	10.85	9.54	13.25	14.24	≤ 30.00
802.11ax-HE20	MCS0	213	7015	9.45	9.57	12.52	13.51	≤ 30.00
802.11ax-HE20	MCS0	229	7095	11.47	9.39	13.56	14.55	≤ 30.00
802.11ax-HE20	MCS0	233	7115	11.45	9.33	13.53	14.52	≤ 30.00
802.11ax-HE40	MCS0	35	6125	11.85	10.69	14.32	15.31	≤ 30.00
802.11ax-HE40	MCS0	67	6285	12.72	11.89	15.34	16.33	≤ 30.00
802.11ax-HE40	MCS0	91	6405	13.28	11.78	15.60	16.59	≤ 30.00
802.11ax-HE40	MCS0	99	6445	12.32	11.10	14.76	15.75	≤ 30.00
802.11ax-HE40	MCS0	107	6485	13.35	11.97	15.72	16.71	≤ 30.00
802.11ax-HE40	MCS0	115	6525	13.73	12.76	16.28	17.27	≤ 30.00
802.11ax-HE40	MCS0	155	6725	12.86	12.23	15.57	16.56	≤ 30.00
802.11ax-HE40	MCS0	179	6845	13.25	12.66	15.98	16.97	≤ 30.00
802.11ax-HE40	MCS0	187	6885	13.42	12.01	15.78	16.77	≤ 30.00
802.11ax-HE40	MCS0	211	7005	13.89	12.45	16.24	17.23	≤ 30.00
802.11ax-HE40	MCS0	227	7085	14.05	11.86	16.10	17.09	≤ 30.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	EIRP (dBm)	Limit (dBm)
802.11ax-HE80	MCS0	39	6145	14.98	13.78	17.43	18.42	≤ 30.00
802.11ax-HE80	MCS0	55	6225	14.11	13.51	16.83	17.82	≤ 30.00
802.11ax-HE80	MCS0	87	6385	15.78	14.67	18.27	19.26	≤ 30.00
802.11ax-HE80	MCS0	103	6465	15.72	14.71	18.25	19.24	≤ 30.00
802.11ax-HE80	MCS0	119	6545	15.53	14.76	18.17	19.16	≤ 30.00
802.11ax-HE80	MCS0	151	6705	15.69	15.21	18.47	19.46	≤ 30.00
802.11ax-HE80	MCS0	183	6865	15.59	15.13	18.38	19.37	≤ 30.00
802.11ax-HE80	MCS0	199	6945	16.93	15.52	19.29	20.28	≤ 30.00
802.11ax-HE80	MCS0	215	7025	16.95	15.14	19.15	20.14	≤ 30.00
802.11ax-HE160	MCS0	47	6185	17.13	16.60	19.88	20.87	≤ 30.00
802.11ax-HE160	MCS0	79	6345	19.21	18.23	21.76	22.75	≤ 30.00
802.11ax-HE160	MCS0	111	6505	18.62	17.66	21.18	22.17	≤ 30.00
802.11ax-HE160	MCS0	143	6665	18.72	17.92	21.35	22.34	≤ 30.00
802.11ax-HE160	MCS0	175	6825	18.65	17.93	21.32	21.32	≤ 30.00
802.11ax-HE160	MCS0	207	6985	19.51	17.65	21.69	21.69	≤ 30.00

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$.

Note 2: EIRP (dBm) = Total Average Power (dBm) + Directional Gain (dBi).

Test Site	NS-TR2	Test Engineer	Flag Yang
Test Date	2023-10-23~2023-10-25	Test Mode	Nss = 1 (Beamforming Mode)

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	EIRP (dBm)	Limit (dBm)
802.11ax-HE20	MCS0	33	6115	9.80	8.31	12.13	16.13	≤ 30.00
802.11ax-HE20	MCS0	65	6275	9.35	8.29	11.86	15.86	≤ 30.00
802.11ax-HE20	MCS0	93	6415	11.09	9.92	13.55	17.55	≤ 30.00
802.11ax-HE20	MCS0	97	6435	9.85	8.78	12.36	16.36	≤ 30.00
802.11ax-HE20	MCS0	105	6475	10.50	9.12	12.87	16.87	≤ 30.00
802.11ax-HE20	MCS0	113	6515	10.70	9.42	13.12	17.12	≤ 30.00
802.11ax-HE20	MCS0	117	6535	11.20	10.34	13.80	17.80	≤ 30.00
802.11ax-HE20	MCS0	153	6715	10.56	9.63	13.13	17.13	≤ 30.00
802.11ax-HE20	MCS0	185	6875	10.47	10.27	13.38	17.38	≤ 30.00
802.11ax-HE20	MCS0	189	6895	10.85	9.54	13.25	17.25	≤ 30.00
802.11ax-HE20	MCS0	213	7015	9.45	9.57	12.52	16.52	≤ 30.00
802.11ax-HE20	MCS0	229	7095	11.47	9.39	13.56	17.56	≤ 30.00
802.11ax-HE20	MCS0	233	7115	11.45	9.33	13.53	17.53	≤ 30.00
802.11ax-HE40	MCS0	35	6125	11.85	10.69	14.32	18.32	≤ 30.00
802.11ax-HE40	MCS0	67	6285	12.72	11.89	15.34	19.34	≤ 30.00
802.11ax-HE40	MCS0	91	6405	13.28	11.78	15.60	19.60	≤ 30.00
802.11ax-HE40	MCS0	99	6445	12.32	11.10	14.76	18.76	≤ 30.00
802.11ax-HE40	MCS0	107	6485	13.35	11.97	15.72	19.72	≤ 30.00
802.11ax-HE40	MCS0	115	6525	13.73	12.76	16.28	20.28	≤ 30.00
802.11ax-HE40	MCS0	155	6725	12.86	12.23	15.57	19.57	≤ 30.00
802.11ax-HE40	MCS0	179	6845	13.25	12.66	15.98	19.98	≤ 30.00
802.11ax-HE40	MCS0	187	6885	13.42	12.01	15.78	19.78	≤ 30.00
802.11ax-HE40	MCS0	211	7005	13.89	12.45	16.24	20.24	≤ 30.00
802.11ax-HE40	MCS0	227	7085	14.05	11.86	16.10	20.10	≤ 30.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	EIRP (dBm)	Limit (dBm)
802.11ax-HE80	MCS0	39	6145	14.98	13.78	17.43	21.43	≤ 30.00
802.11ax-HE80	MCS0	55	6225	14.11	13.51	16.83	20.83	≤ 30.00
802.11ax-HE80	MCS0	87	6385	15.78	14.67	18.27	22.27	≤ 30.00
802.11ax-HE80	MCS0	103	6465	15.72	14.71	18.25	22.25	≤ 30.00
802.11ax-HE80	MCS0	119	6545	15.53	14.76	18.17	22.17	≤ 30.00
802.11ax-HE80	MCS0	151	6705	15.69	15.21	18.47	22.47	≤ 30.00
802.11ax-HE80	MCS0	183	6865	15.59	15.13	18.38	22.38	≤ 30.00
802.11ax-HE80	MCS0	199	6945	16.93	15.52	19.29	23.29	≤ 30.00
802.11ax-HE80	MCS0	215	7025	16.95	15.14	19.15	23.15	≤ 30.00
802.11ax-HE160	MCS0	47	6185	17.13	16.60	19.88	23.88	≤ 30.00
802.11ax-HE160	MCS0	79	6345	19.21	18.23	21.76	25.76	≤ 30.00
802.11ax-HE160	MCS0	111	6505	18.62	17.66	21.18	25.18	≤ 30.00
802.11ax-HE160	MCS0	143	6665	18.72	17.92	21.35	25.35	≤ 30.00
802.11ax-HE160	MCS0	175	6825	18.65	17.93	21.32	25.97	≤ 30.00
802.11ax-HE160	MCS0	207	6985	19.51	17.65	21.69	26.60	≤ 30.00

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$.

Note 2: EIRP (dBm) = Total Average Power (dBm) + Directional Gain (dBi).

Test Site	NS-TR2	Test Engineer	Flag Yang
Test Date	2023-10-23~2023-10-25	Test Mode	Nss = 2 (CDD Mode)

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	EIRP (dBm)	Limit (dBm)
802.11ax-HE20	MCS0	33	6115	12.57	10.73	14.76	15.75	≤ 30.00
802.11ax-HE20	MCS0	65	6275	11.89	10.76	14.37	15.36	≤ 30.00
802.11ax-HE20	MCS0	93	6415	14.15	12.95	16.60	17.59	≤ 30.00
802.11ax-HE20	MCS0	97	6435	12.59	11.10	14.92	15.91	≤ 30.00
802.11ax-HE20	MCS0	105	6475	13.06	11.49	15.36	16.35	≤ 30.00
802.11ax-HE20	MCS0	113	6515	13.69	12.36	16.09	17.08	≤ 30.00
802.11ax-HE20	MCS0	117	6535	13.71	12.64	16.22	17.21	≤ 30.00
802.11ax-HE20	MCS0	153	6715	12.79	12.26	15.54	16.53	≤ 30.00
802.11ax-HE20	MCS0	185	6875	13.11	12.73	15.93	16.92	≤ 30.00
802.11ax-HE20	MCS0	189	6895	13.85	12.48	16.23	17.22	≤ 30.00
802.11ax-HE20	MCS0	213	7015	13.98	12.43	16.28	17.27	≤ 30.00
802.11ax-HE20	MCS0	229	7095	14.39	12.38	16.51	17.50	≤ 30.00
802.11ax-HE20	MCS0	233	7115	14.61	12.08	16.54	17.53	≤ 30.00
802.11ax-HE40	MCS0	35	6125	14.73	13.08	16.99	17.98	≤ 30.00
802.11ax-HE40	MCS0	67	6285	15.24	14.12	17.73	18.72	≤ 30.00
802.11ax-HE40	MCS0	91	6405	15.86	14.88	18.41	19.40	≤ 30.00
802.11ax-HE40	MCS0	99	6445	14.83	14.01	17.45	18.44	≤ 30.00
802.11ax-HE40	MCS0	107	6485	15.38	14.46	17.95	18.94	≤ 30.00
802.11ax-HE40	MCS0	115	6525	16.25	15.14	18.74	19.73	≤ 30.00
802.11ax-HE40	MCS0	155	6725	15.99	15.37	18.70	19.69	≤ 30.00
802.11ax-HE40	MCS0	179	6845	16.25	15.89	19.08	20.07	≤ 30.00
802.11ax-HE40	MCS0	187	6885	16.39	14.92	18.73	19.72	≤ 30.00
802.11ax-HE40	MCS0	211	7005	17.06	15.50	19.36	20.35	≤ 30.00
802.11ax-HE40	MCS0	227	7085	16.57	14.21	18.56	19.55	≤ 30.00

Test Mode	Data Rate/ MCS	Channel No.	Freq. (MHz)	Ant 0 Average Power (dBm)	Ant 1 Average Power (dBm)	Total Average Power (dBm)	EIRP (dBm)	Limit (dBm)
802.11ax-HE80	MCS0	39	6145	18.65	17.03	20.93	21.92	≤ 30.00
802.11ax-HE80	MCS0	55	6225	17.36	16.42	19.93	20.92	≤ 30.00
802.11ax-HE80	MCS0	87	6385	18.97	17.80	21.43	22.42	≤ 30.00
802.11ax-HE80	MCS0	103	6465	18.38	17.18	20.83	21.82	≤ 30.00
802.11ax-HE80	MCS0	119	6545	18.47	17.86	21.19	22.18	≤ 30.00
802.11ax-HE80	MCS0	151	6705	18.56	17.76	21.19	22.18	≤ 30.00
802.11ax-HE80	MCS0	183	6865	18.86	18.15	21.53	22.52	≤ 30.00
802.11ax-HE80	MCS0	199	6945	19.81	18.27	22.12	23.11	≤ 30.00
802.11ax-HE80	MCS0	215	7025	18.96	17.13	21.15	22.14	≤ 30.00
802.11ax-HE160	MCS0	47	6185	19.92	19.51	22.73	23.72	≤ 30.00
802.11ax-HE160	MCS0	79	6345	20.62	19.14	22.95	23.94	≤ 30.00
802.11ax-HE160	MCS0	111	6505	21.36	20.38	23.91	24.90	≤ 30.00
802.11ax-HE160	MCS0	143	6665	21.72	20.92	24.35	25.34	≤ 30.00
802.11ax-HE160	MCS0	175	6825	21.43	20.59	24.04	24.04	≤ 30.00
802.11ax-HE160	MCS0	207	6985	22.12	20.23	24.29	24.29	≤ 30.00

Note 1: Total Average Power (dBm) = $10 \cdot \log \{10^{(\text{Ant 0 Average Power} / 10)} + 10^{(\text{Ant 1 Average Power} / 10)}\}$.

Note 2: EIRP (dBm) = Total Average Power (dBm) + Directional Gain (dBi).

Appendix B – Test Setup Photograph

Refer to “2308RSU024-UT” file.

Appendix C – EUT Photograph

Refer to “2308RSU024-UE” file.

_____ The End _____