

Request Letter

Federal Communications Commission
Authorization and Evaluation Division

Subject:

Reuse the test data of authorized equipment (**FCC ID: TE7AX90**, Original Grant Date: June 16, 2020)

Applicant: TP-Link Technologies Co., Ltd.

Dear Sirs,

This is to request for reuse the test data of authorized device (FCC ID: TE7AX90, Original Grant Date: June 16, 2020)

For new device (FCC ID: TE7AX3200), there is no change except shown in the table 1 as below and it had the power setting & antenna Gain as original one, so this device reuses the test data of original device and adds some spot check verified data according to KDB 484596 D01v01, details of reuse data and spot check refer to table 2 as below.

Table 1			
Diff	Original (FCC ID: TE7AX90)	New (FCC ID: TE7AX3200)	Remark
1	Support DFS bands (5250~5350MHz, 5470~5725MHz)	Remove DFS bands (5250~5350MHz, 5470~5725MHz)	Remove these bands by software, and do not change any RF parameter of other bands.
2	Refer to pictures as below		AX3200'S PCBA has the same Hardware design with AX90's. The differences as follow: 2.4G band Ant 2 and 5G UNII-1 band Ant 2 combine into one external antenna. 5G UNII-2C/-3 antenna 2 is changed from external antenna to internal antenna, internal antenna has the same antenna pattern with external antenna, but internal antenna gain is weak than external antenna.

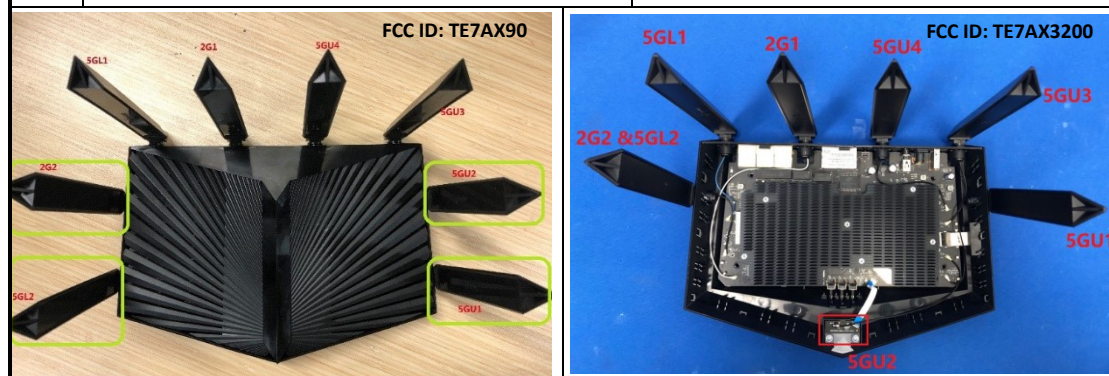


Table 2				
Frequency and Part Rules	Test Items of FCC Part Rule	Original report No.	New report No.	Spot check message
2412~2462MHz Part 15.247	6dB Bandwidth	2004TW0003-U1	2007TW0001-U1	No verified
	Output Power			Verified the power
	Power Spectral Density			No verified
	Band Edge / Out-of-Band Emissions			No verified
	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)			Verified the worst-case mode
	AC Conducted Emissions 150kHz - 30MHz			No verified
5125~5250MHz 5725~5850MHz Part 15.407	26dB Bandwidth	2004TW0003-U2	2007TW0001-U2	No verified
	6dB Bandwidth			No verified
	Maximum Conducted Output Power			Verified the power
	Peak Power Spectral Density			No verified
	Frequency Stability			No verified
	Undesirable Emissions			Verified the worst-case mode
	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)			Verified the worst-case mode
	AC Conducted Emissions 150kHz - 30MHz			No verified
Result: All verified result is less than the original data.				

If you have any questions regarding this application, please feel free to contact me.

Sincerely,



Name: Huang Jing

Position: Regulatory Compliance Manager

Date: 2020-07-24