

NETGEAR, INC.

350 East Plumeria Drive, San Jose, CA 95134, USA

[Tel:408-890-3657](tel:408-890-3657)/[Fax:408-907-8097](tel:408-907-8097)

Product Name: WiFi Range Extender

DUT: FCC ID: PY315200308

FCC ID of previously granted DFS Devices :FCC ID:PY314400298

Required information	FCC ID(s) of Previously Granted DFS Devices	FCC ID of New Application
Technology(i.e 802.11x,frame based, MIMO, smart antenna, etc.)	Same PCBA(chip set is MT7620A+MT7612E) 802.11a DFS bands cover 5.25-5.35G and 5.47-5.725G; IP based; 2x2 MIMO	Same PCBA(Same chip set (MT7620A+MT7612E) &antenna config (dipole).) Same firmware driver version-3.0.1.4-rev1, same RF parameter setting for TX/RX process, just Web cover page different.
Bandwidth information and differences	HT20,HT40, VHT20, VHT40 and VHT80	Same bandwidth: HT20,HT40,VHT20, VHT40 and VHT80 Same PCBA(Same chip set(MT7620A+MT7612E), same control method and app.) Same firmware driver version-3.0.1.4-rev1
Antenna information and differences for the minimum gain antennas	Antenna type is dipole, the minimum gain is 3.2dBi. (detail antenna specification refer to certificaton report)	Same antenna structure. Only mechanical enclouse (top side) change from circular to triangle. Minimum antenna gain keep in 3.2dBi.
Differences in DFS functioning circuitry, software, etc	The RF module is OFDM, 16-QAM, 64-QAM and CCK, DQPSK, DBPSK ,DFS function circuitry please refer to schematic, same firmware Driver version-3.0.1.4-rev1. (detail circuit specification refer schematic)	Same PCBA board, Same circuit. (detail circuitspecification refer schematic) Same firmware Driver version-3.0.1.4-rev1
Differences between the products such as TX power, modulation, receivers, processing circuitry, etc	Maximum TX power is 23.97dBm Modulation is OFDM, 16-QAM, 64-QAM and CCK, DQPSK, DBPSK Receivers is OFDM, 16-QAM, 64-QAM and CCK, DQPSK, DBPSK	Same PCBA board, same circuit. Same firmware driver version-3.0.1.4-rev1 and same RF parameter setting for TX/RX process. Maximum TX power is 23.97dBm Modulation is OFDM, 16-QAM, 64-QAM and CCK, DQPSK, DBPSK Receivers is OFDM, 16-QAM, 64-QAM and CCK, DQPSK, DBPSK *Mechanical drawing(front side color) changed from gray to golden color.
Names of the test lab for the various Grants	Test Lab: Bureau Veritas CPS (H.K.) Ltd., Taoyuan Branch	Test Lab: Bureau Veritas CPS (H.K.) Ltd., Taoyuan Branch