Operational Description

This device is a DBDC 3X3 AP, which operates in 5GHz bands; the maximum data rate could be up to 1300Mbps which OFDM technique. If the signal to noise radio is too poor which could not support 1300Mbps, the 6Mbps data rate with OFDM technique will be applied.

The transmitter of the EUT is powered by 4.2Vdc from host equipment. The antennas are as below:

Item	Model Name	Ant Type	Ant Connector	Gain(dBi)
1	WS-AO-DT05120N	Sector	N-Type	5
2	WS-AO-5D23009N	Panel	N-Type	23
3	WS-AO-DX13025N	Panel	N-Type	11.5
4	WS-AO-DX10055N	Panel	N-Type	8
5	Omni Stubby	Dipole	N-Type	2
6	Senao dipole 5G	Dipole	N-Type	7
7	SuperPass SP-G2HJ2H-6L	Sector	N-Type	7.2

The other instruction, please have a look at the user's manual.

FCC 15.407(c) states: The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals.

Applicants shall include in their application for equipment authorization a description of how this requirement is met"

Data transmission is always initiated by software, which is then pass down through the MAC, through the digital and analog baseband, and finally to the RF chip. Several special packets (ACKs, CTS, PSPoll, etc…) are initiated by the MAC. There are the only ways the digital baseband portion will turn on the RF transmitter, which it then turns off at the end of the packet. Therefore, the transmitter will be on only while one of the aforementioned packets are being transmitted.