

**Date: November 30, 2023**

Federal Communications Commission  
7435 Oakland Mills Road  
Columbia MD 21046

Requesting Class II permissive change

To Whom It May Concern:

The purpose of this letter is to request a Class II Permissive change for  
FCC ID: **N6C-PCEAX**, Original grant date: April 21, 2022

The major change filed under this application is :

1. Evaluation has been done to ensure compliance of EMC and RF exposure.
2. The hardware design of this transmitter that may affect compliance is remained unchanged in this permissive change application.
3. The security mechanism according to section II of KDB 594280 D02 is remained unchanged as it reported to the FCC at the initial certification.
4. Adding new antenna(s) of the same type and higher gain compared to original grant conditions, please refer next pages for details.
5. RF output power of UNII-4 and 6GHz have been decreased as higher gains are used. verification is performed in the test report for new power level that lower than the original conditions.
6. When associated and connected with a low-power indoor access point, subordinate or standard access point device, will operate at a power lower than or 6 dB below the power advertised by the standard access point.

## Annex

**FCC ID: N6C-PCEAX**

**IC: 4908A-PCEAX**

Adding new antenna(s) with different antenna type and lower gain as below,

### QCA Original antenna

Antenna Type	Supplier	Antenna Part No.	Freq.	Peak Antenna Gain (dBi)
Monopole	HONGBO	260-25084	2.4GHz	3.22
			5.150-5.250 GHz	3.35
			5.250-5.350 GHz	3.42
			5.470-5.725 GHz	4.77
			5.725-5.850 GHz	4.72
			5.850-5.895 GHz	4.71
			5.925-6.425 GHz	4.75
			6.425-6.525 GHz	4.29
			6.525-6.875 GHz	4.81
			6.875-7.125 GHz	4.74

### Additional antennas

Antenna Type	Supplier	Antenna Part No.	Freq. (MHz)	Peak Antenna Gain (dBi)
Dipole	Molex	146153	2.4GHz	3.175
			5.150-5.250 GHz	3.175
			5.250-5.350 GHz	2.975
			5.470-5.725 GHz	4.275
			5.725-5.850 GHz	3.775
			5.850-5.895 GHz	4.875
			5.925-6.425 GHz	5.025
			6.425-6.525 GHz	5.225
			6.525-6.875 GHz	5.425
			6.875-7.125 GHz	5.825
Dipole	Unictron Technologies Corp.	AA258	2.4GHz	2.67
			5.150-5.250 GHz	3.22
			5.250-5.350 GHz	3.91
			5.470-5.725 GHz	2.77
			5.725-5.850 GHz	3.92
			5.850-5.895 GHz	4.40
			5.925-6.425 GHz	3.59
			6.425-6.525 GHz	3.63
			6.525-6.875 GHz	2.33
			6.875-7.125 GHz	1.37

Sincerely,

(Signature)



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