

Description of Permissive Change

The application is prepared for FCC Class II Permissive Change by adding dipole antennas. For more information about the antennas, please refer to below table.

Original									
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range	Cable Loss (dB)	Antenna Type	Connector Type	Cable Length
1	Chain0/1	HONGBO	260-25094	3.53	2.4~2.4835 GHz	0.76	PIFA	i-pex(MHF 4L)	300mm
				3.06	5.15~5.25 GHz	1.16			
				3.07	5.25~5.35 GHz	1.18			
				4.81	5.47~5.725 GHz	1.2			
				4.2	5.725~5.850 GHz	1.27			
2	Chain0/1	HONGBO	260-25083	5.09	5.850~5.895 GHz	1.29	PIFA	i-pex(MHF 4L)	300mm
				5.14	5.925~6.425 GHz	1.32			
				5.09	6.425~6.525 GHz	1.35			
				5.16	6.525~6.875 GHz	1.4			
				5.12	6.875~7.125 GHz	1.45			
3	Chain0/1	HONGBO	260-25084	3.22	2.4~2.4835 GHz	0.5	Monopole	i-pex(MHF 4L)	200mm
				3.35	5.150~5.250 GHz	0.76			
				3.42	5.250~5.350 GHz	0.78			
				4.77	5.470~5.725 GHz	0.81			
				4.72	5.725~5.850 GHz	0.85			
				4.71	5.850~5.895 GHz	0.86			
				4.75	5.925~6.425 GHz	0.87			
				4.29	6.425~6.525 GHz	0.91			
				4.81	6.525~6.875 GHz	0.96			
				4.74	6.875~7.125 GHz	0.98			
Newly									
Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range	Antenna Type	Connector Type	Cable Length	
4	Chain0/1	Sparklan	AD-510AX	2.27	2.4~2.4835 GHz	Dipole	RP-SMA (M)	150mm	
				2.88	5.150~5.825 GHz				
				2.6	5.850~5.895 GHz				
				3.52	5.925~7.125 GHz				
5	Chain0/1	SparkLAN	AD-103AG (UHW0935A4)	2.02	2.4~2.4835 GHz	Dipole	RP-SMA (M)	150mm	
				1.93	5.150~5.850 GHz				
				1.9	5.850~5.895 GHz				
6	Chain0/1	SparkLAN	AD-302N	3.14	2.4~2.4835 GHz	Dipole	RP-SMA (M)	150mm	
				2.87	5.150~5.850 GHz				
				1.63	5.850~5.895 GHz				

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Data: 2023-02-08