

Description of Permissive Change

The application is prepared for FCC class II permissive change. The difference compared with the original design are:

1. Adding two models:

The EUT has below model names, and they are identical to each other in all aspects except for the following:

Original					
Model Name	Product Name	PCB size	Interface	IPEX	Difference
WMX7205	Wi-Fi 6E BT 5.2 M.2 2230 Module	Original size	M.2 E-Key	i-pex (MHF 4L)	-
			M.2 AE-Key		
Newly					
Model Name	Product Name	PCB size	Interface	IPEX	Difference
WMX7203	Wi-Fi 6E BT 5.2	Bigger than original	mini PCIe	i-pex (MHF 1)	Market segment
WMX7203-F	Mini PCIe Module	Bigger than original	mini PCIe		

2. Adding new antenna

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	ipex(MHF 4L) ipex(MHF 1)	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	ipex(MHF 4L) ipex(MHF 1)	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	ipex(MHF 4L) ipex(MHF 1)	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	emwicon	ATD7351	2.51	2400 MHz	Monopole	RP-SMA	0.15m
				2.66	2450 MHz			
				2.07	2500 MHz			
				3.21	5150 MHz			
				3.64	5500 MHz			
				3.73	5850 MHz			
				3.13	6125 MHz			
				3.54	6750 MHz			
				3.06	7125 MHz			

Regards,



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Data: 2023-01-09