

Description of Permissive Change

Ref: FCC Class II Permissive change for FCC ID: RAS-MT7922A12L

(Original 6CD cert approval date: 10/29/2023;

Original DTS/NII cert approval date: 05/09/2022; Original DSS cert approval date: 11/11/2021)

The application is prepared for FCC Class II Permissive Change to add new monopole antennas (Model: 260-25105/ Model: 260-25106) which can be used with the module.

No changes to the design or circuitry of the module itself have been made.

For more info about the antenna info, please refer to the table below.

Original								
Antenna Set	RF Chain NO.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
1	Chain0	PSA	RFMTA340718EMLB302	3.18	2.4 ~ 2.4835	PIFA	ipex(MHF)	200
				4.92	5.15 ~ 5.895			
	Chain1	PSA	RFMTA340718EMLB302	3.18	2.4 ~ 2.4835	PIFA	ipex(MHF)	200
				4.92	5.15 ~ 5.895			
2	Chain0	PSA	RFMTA311020EMMB301	1.71	2.4 ~ 2.4835	PIFA	ipex(MHF)	200
				4.82	5.15 ~ 5.895			
				4.76	5.925 ~ 6.425			
				4.29	6.425 ~ 6.525			
				4.61	6.525 ~ 6.875			
				4.09	6.875 ~ 7.125			
	Chain1	PSA	RFMTA311020EMMB301	1.71	2.4 ~ 2.4835	PIFA	ipex(MHF)	200
				4.82	5.15 ~ 5.895			
				4.76	5.925 ~ 6.425			
				4.29	6.425 ~ 6.525			
				4.61	6.525 ~ 6.875			
				4.09	6.875 ~ 7.125			
3	Chain0	MSI	WA-P-LE-02-045 (Main)	2.24	2.4 ~ 2.4835	PIFA	IPEX-4L	190
				2.68	5.15 ~ 5.895			
				3.01	5.925 ~ 6.425			
				-1.23	6.425 ~ 6.525			
				-1.96	6.525 ~ 6.875			
				-3.68	6.875 ~ 7.125			
	Chain1	MSI	WA-P-LE-02-046 (Aux)	-2.96	2.4 ~ 2.4835	PIFA	IPEX-4L	325
				1.16	5.15 ~ 5.895			
				0.99	5.925 ~ 6.425			
				-2.31	6.425 ~ 6.525			
				-2.54	6.525 ~ 6.875			
				-7.44	6.875 ~ 7.125			

4	Chain0	PSA	RFMTA421230IMMB701	-13.92	5.925 ~ 6.425	PIFA	ipex	300
				-13.91	6.425 ~ 6.525			
				-13.91	6.525 ~ 6.875			
				-14.46	6.875 ~ 7.125			
	Chain1	PSA	RFMTA421230IMMB701	-13.92	5.925 ~ 6.425	PIFA	ipex	300
				-13.91	6.425 ~ 6.525			
				-13.91	6.525 ~ 6.875			
				-14.46	6.875 ~ 7.125			
5	Chain0	PSA	RFPCA460632IMMB701	-13.2	5.925~6.425	PIFA	ipex	300
				-13.67	6.425~6.525			
				-13.67	6.525~6.875			
				-13.09	6.875~7.125			
	Chain1	PSA	RFPCA460632IMMB701	-13.2	5.925~6.425	PIFA	ipex	300
				-13.67	6.425~6.525			
				-13.67	6.525~6.875			
				-13.09	6.875~7.125			

Newly

Antenna Set	RF Chain NO.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
6	Chain0	HongBo	260-25105	3.1	2.4 ~ 2.4835	Monopole	ipex(MHF)	486
				3.33	5.15 ~ 5.895			
				4.23	5.925 ~ 6.425			
				4.22	6.425 ~ 6.525			
				4.01	6.525 ~ 6.875			
				3.07	6.875 ~ 7.125			
	Chain1	HongBo	260-25105	3.1	2.4 ~ 2.4835	Monopole	ipex(MHF)	486
				3.33	5.15 ~ 5.895			
				4.23	5.925 ~ 6.425			
				4.22	6.425 ~ 6.525			
				4.01	6.525 ~ 6.875			
				3.07	6.875 ~ 7.125			
7	Chain0	HongBo	260-25106	4.91	5.15 ~ 5.895	Monopole	ipex(MHF)	350
				4.73	5.925 ~ 6.425			
				4.29	6.425 ~ 6.525			
				4.58	6.525 ~ 6.875			
				4.09	6.875 ~ 7.125			
	Chain1	HongBo	260-25106	4.91	5.15 ~ 5.895	Monopole	ipex(MHF)	350
				4.73	5.925 ~ 6.425			
				4.29	6.425 ~ 6.525			
				4.58	6.525 ~ 6.875			
				4.09	6.875 ~ 7.125			

Note: Above Monopole antennas, Antenna Set 6 was tested for WLAN (2.4 GHz).

* Detail antenna specification please refer to antenna datasheet and/or antenna measurement report.



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