

Description of Permissive Change

Ref: FCC Class II Permissive change for FCC ID: RAS-MT7925B22M

(Original NII cert approval date: 05/28/2024;

Original 6CD/DSS/DTS cert approval date: 04/12/2024)

The application is prepared for FCC Class II Permissive Change to add new monopole antenna (Model: 260-25096) 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 below table.

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 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200
	Chain1	PSA	RFMTA340718EMLB302	3.18 4.92	2.4~2.4835 5.15~5.895	PIFA	i-pex(MHF)	200
2	Chain0	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200
	Chain1	PSA	RFMTA311020EMMB301	1.71 4.82 4.76 4.29 4.61 4.09	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	200
3	Chain0	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	300
	Chain1	PSA	RFMTA421230IMMB701	-13.92 -13.91 -13.91 -14.46	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	PIFA	i-pex(MHF)	300
4	Chain0	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.895	Dipole	R-SMA	150
	Chain1	Cortec	AN2450-4902BRS	2.42 3.87	2.4~2.4835 5.15~5.895	Dipole	R-SMA	150
5	Chain0	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP SMA PLUG	40
	Chain1	VSO	JR2Q00340-1	1.62 3.2 3.93 3.61 3.61 3.14	2.4~2.4835 5.15~5.895 5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	RP SMA PLUG	40
6	Chain0	PSA	RFPCA460632IMMB701	-13.2 -13.67 -13.67 -13.09	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	IPEX	320
	Chain1	PSA	RFPCA460632IMMB701	-13.2 -13.67 -13.67 -13.09	5.925~6.425 6.425~6.525 6.525~6.875 6.875~7.125	Dipole	IPEX	320

Newly

Antenna Set	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency Range (GHz)	Antenna Type	Connector Type	Cable Length (mm)
7	Chain0	HongBo	260-25096	3.11	2.4~2.4835	Monopole	i-pex(MHF)	300
				4.88	5.15~5.895			
				4.91	5.25~5.35			
				4.9	5.47~5.725			
				4.9	5.725~5.85			
				4.87	5.85~5.895			
				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	260-25096	3.11	2.4~2.4835	Monopole	i-pex(MHF)	300
				4.88	5.15~5.895			
				4.91	5.25~5.35			
				4.9	5.47~5.725			
4.9				5.725~5.85				
4.87				5.85~5.895				
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: For 4TV discrete configuration, transmit chain 0 and chain 1 have been evaluated, the chain 0 will be used as



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