

Description of Permissive Change

Ref: FCC Class II Permissive change for FCC ID: RAS-MT7927

(Original 6XD/NII/DTS/DSS cert approval date: 01/18/2023)

This application is prepared for FCC class II permissive change, that different as below, through software enabling to its original parent application.

1. Enabling UNII-4 frequency band and span channels of UNII-3 and UNII-4.
2. Enabling Tone RU and MRU mode (2T) in 2.4GHz, 5GHz (UNII-1 & UNII-2A & UNII-2C & UNII-3) bands. The detail we listed as below.

2.4G MRU Mode:

BW	Small size	
	26+52	26+106
20MHz	v	v
40MHz	v	v

5G MRU Mode:

BW	Small size		Large size
	26+52	26+106	484+242
20MHz	v	v	-
40MHz	v	v	-
80MHz	v	v	v

3. Enabling Tone RU and MRU mode (1T/2T) in 5.9GHz, 6GHz band. The detail we listed as below.

5.9G MRU Mode:

BW	Small size		Large size		
	26+52	26+106	484+242	996+484	996+484+242
20MHz	v	v	-	-	-
40MHz	v	v	-	-	-
80MHz	v	v	v	-	-
160MHz	v	v	v	v	v

6G MRU Mode:

BW	Small size		Large size					
	26+52	26+106	484+242	996+484	996+484+242	996*2+484	996*3	996*3+484
20MHz	v	v	-	-	-	-	-	-
40MHz	v	v	-	-	-	-	-	-
80MHz	v	v	v	-	-	-	-	-
160MHz	v	v	v	v	v	-	-	-
320MHz	v	v	v	v	v	v	v	v

Except for the changes mentioned above, no other modification is performed.

*Note: Antenna information were same as original that supported UNII 5-8. For this application don't add and modify any antenna information, please refer to antenna list as below.

Antenna Set No	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			
	Chain1	PSA	RFMTA311020EMMB301	4.09	6.875~7.125	PIFA	ipex(MHF)	200
				1.71	2.4~2.4835			
				4.82	5.15~5.895			
				4.76	5.925~6.425			
				4.29	6.425~6.525			
3	Chain0	PSA	RFMTA421208IMMB701	-4.99	5.925~7.125	PIFA	i-pex(MHF)	300
				-4.99	5.925~7.125			
	Chain1	PSA	RFMTA421208IMMB701	-4.99	5.925~7.125	PIFA	i-pex(MHF)	300
				-4.99	5.925~7.125			

Note:

1. From the above transmission chains, the worse case was found in transmission on Chain 0 for 1TX diversity sample. Therefore only the test data of the mode was recorded in this report.
2. Max. gain was selected for the final test.

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

Regards,



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