

Description of Permissive Change

The application is prepared for FCC class II permissive change by adding new antennas below.

Antenna Type		Ominidirectional Antenna				
Connector Type		RPSMA plug				
Antenna No.	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency range	
ANT9 (New 1)	Chain 0	TERRAWAVE	FANT-04ABGN-0606-O-R (M6060060MO1D43620)	6.11	2400~2500Mhz	
	Chain 1			6.30	2400~2500Mhz	
	Chain 2			6.34	2400~2500Mhz	
	Chain 3			5.94	2400~2500Mhz	
	Chain 0			5.49	5.15~5.25GHz	
				5.49	5.25~5.35GHz	
				5.80	5.47~5.725GHz	
				5.40	5.725~5.85GHz	
				6.51	5.15~5.25GHz	
				6.58	5.25~5.35GHz	
	Chain 1			6.54	5.47~5.725GHz	
				5.60	5.725~5.85GHz	
	Chain 2			6.34	5.15~5.25GHz	
				6.31	5.25~5.35GHz	
				6.02	5.47~5.725GHz	
				5.01	5.725~5.85GHz	
				7.61	5.15~5.25GHz	
				7.76	5.25~5.35GHz	
Chain 3	6.93	5.47~5.725GHz				
	6.45	5.725~5.85GHz				
	ANT10 (New 2)	Chain 0	TERRAWAVE	FANT-04ABGN-2504-O-R (M602504003D420MW)	3.97	2400~2500Mhz
		Chain 1			3.76	2400~2500Mhz
Chain 2		3.99			2400~2500Mhz	
Chain 3		3.77			2400~2500Mhz	
Chain 0	4.23	5.15~5.25GHz				
	4.18	5.25~5.35GHz				
	4.81	5.47~5.725GHz				
	4.52	5.725~5.85GHz				
	4.00	5.15~5.25GHz				
	4.78	5.25~5.35GHz				
Chain 1	5.32	5.47~5.725GHz				
	4.31	5.725~5.85GHz				
Chain 2	4.03	5.15~5.25GHz				
	4.42	5.25~5.35GHz				
	4.83	5.47~5.725GHz				
	4.75	5.725~5.85GHz				
	3.76	5.15~5.25GHz				
	4.58	5.25~5.35GHz				
Chain 3	5.35	5.47~5.725GHz				
	5.09	5.725~5.85GHz				

Antenna Type		Quad Patch Antenna			
Connector Type		RPSMA plug			
Antenna No.	RF Chain No.	Brand	Model	Antenna Net Gain (dBi)	Frequency range
ANT11 (New 3)	Chain 0	TERRAWAVE	FANT-04ABGN-0606-P-R (M6060060MP1D43620)	4.81	2400~2500Mhz
	Chain 1			4.13	2400~2500Mhz
	Chain 2			4.77	2400~2500Mhz
	Chain 3			4.26	2400~2500Mhz
	Chain 0			5.71	5.15~5.25GHz
				5.71	5.25~5.35GHz
				6.13	5.47~5.725GHz
				6.14	5.725~5.85GHz
	Chain 1			5.81	5.15~5.25GHz
				5.77	5.25~5.35GHz
				6.78	5.47~5.725GHz
				6.40	5.725~5.85GHz
	Chain 2			6.28	5.15~5.25GHz
				5.69	5.25~5.35GHz
				6.31	5.47~5.725GHz
				7.09	5.725~5.85GHz
	Chain 3			6.08	5.15~5.25GHz
				6.08	5.25~5.35GHz
6.05		5.47~5.725GHz			
7.16		5.725~5.85GHz			

Newly added antennas only support Radio 1 and Radio 2 for 2.4GHz WLAN / NII-1,2A,2C,3 bands under Model FAP-433G.

Due to the increased antenna gain compared to the original, it has been assessed that retesting of the DFS is not required.

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

Regards,

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