



AzureWave Technologies, Inc.
8F, No. 94, Baozhong Rd., Xindian, Taipei, Taiwan 231.
[TEL:886-2-66289888](tel:886-2-66289888) FAX:886-2-66289666

Description of Permissive Change

Date: 2018-10-12

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

Applicant: AzureWave Technologies, Inc.

Dear Examiner,

This is to request a Class II permissive change for FCC ID: TLZ-CM2XXNF

- ◆ Upgraded standard version.
- ◆ Added six sets of antennas as below table:

Original										
Antenna No	Chain No.	Brand	Model	Gain (dBi)	Antenna Type	Connector Type	Frequency range (GHz to GHz)	Cable Length (External only)		
1	Chain (0) (Aux)	MAG.LAYERS	MSA-4008-25GC1-A1	2.98	PIFA	i-pex(MHF4)	2.4~2.5	15cm		
				5.16			4.9~5.9			
	Chain (1) (Main)	MAG.LAYERS	MSA-4008-25GC1-A1	2.98	PIFA	i-pex(MHF4)	2.4~2.5	15cm		
				5.16			4.9~5.9			
2	Chain (0) (Aux)	LUXSHARE ICT	Speedy	1.43	PIFA	i-pex(MHF4)	2.4~2.5	507mm		
				-3.12			4.9~5.9			
	Chain (1) (Main)	LUXSHARE ICT	Speedy	-2.46	PIFA	i-pex(MHF4)	2.4~2.5	472mm		
				-0.02			4.9~5.9			
3	Chain (0) (Aux)	Amphenol	867-00013	-3.8	PIFA	i-pex(MHF4)	2.4~2.5	70mm		
				3.5			4.9~5.9			
	Chain (1) (Main)	Amphenol	867-00014	-5.1	PIFA	i-pex(MHF4)	2.4~2.5	220mm		
				0.2			4.9~5.9			
Newly										
Antenna Set No	Chain No.	Brand	Model	Gain (dBi) Including cable loss	Cable Loss (dBi)	Antenna Type	Connector Type	Frequency range (GHz to GHz)	Cable Length (External only)	
4	Chain (0) (Aux)	TONGDA	T-543-3010450-2	-4.23	0.46	PIFA	i-pex-MFH4	2.4~2.5	79.5mm	
				5.15-5.35 GHz:2.13 5.47-5.725 GHz:-1.32 5.725-5.850 GHz:-2.77				0.73		4.9~5.9
	Chain (1) (Main)	TONGDA	T-543-3010450-1	-4.56	0.28	PIFA	i-pex-MFH4	2.4~2.5	43mm	
5.15-5.35 GHz:-3.53 5.47-5.725 GHz:-1.87 5.725-5.850 GHz:-1.87				0.44	4.9~5.9					
5	Chain (0) (Aux)	HONGLIN	260-26080	-4.39	0.46	PIFA	i-pex-MFH4	2.4~2.5	79.5mm	
				5.15-5.35 GHz:1.29 5.47-5.725 GHz:0.41 5.725-5.850 GHz:-3.41				0.73		4.9~5.9
	Chain (1) (Main)	HONGLIN	260-26079	-4.71	0.28	PIFA	i-pex-MFH4	2.4~2.5	43mm	
5.15-5.35 GHz:-3.73 5.47-5.725 GHz:-2.26 5.725-5.850 GHz:-2.23				0.44	4.9~5.9					



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6	Chain 0 (Aux)	Taoglas	GW20.54.0400A.km	2.29	NA	Dipole	IPEX MHF4L	2400~2500	400mm
				1.73				5150~5850	
	Chain 1 (Main)	Taoglas	GW20.54.0400A.km	2.29	NA	Dipole	IPEX MHF4L	2400~2500	400mm
				1.73				5150~5850	
7	Chain 0 (Aux)	Taoglas	GW20.54.0180A.km	2.47	NA	Dipole	IPEX MHF4L	2400~2500	180mm
				2.62				5150~5850	
	Chain 1 (Main)	Taoglas	GW20.54.0180A.km	2.47	NA	Dipole	IPEX MHF4L	2400~2500	180mm
				2.62				5150~5850	
8	Chain 0 (Aux)	Taoglas	GW20.54.0180A.km	2.47	NA	Dipole	IPEX MHF4L	2400~2500	180mm
				2.62				5150~5850	
	Chain 1 (Main)	Taoglas	GW20.54.0400A.km	2.29	NA	Dipole	IPEX MHF4L	2400~2500	400mm
				1.73				5150~5850	
9	Chain 0 (Aux)	Taoglas	GW20.54.0400A.km	2.29	NA	Dipole	IPEX MHF4L	2400~2500	400mm
				1.73				5150~5850	
	Chain 1 (Main)	Taoglas	GW20.54.0180A.km	2.47	NA	Dipole	IPEX MHF4L	2400~2500	180mm
				2.62				5150~5850	

If you have any questions regarding this application, please feel free to contact me.

Sincerely yours,

Patrick Lin /Director

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