



AzureWave Technologies, Inc.
 8F, No. 94, Baozhong Rd., Xindain, Taipei, Taiwan 231.
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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 | 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 | 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 | 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 | 0.44 | | | 4.9~5.9 | | |
| | | | | 5.47-5.725 GHz:-1.87 | | | | | | |
| | | | | 5.725-5.850 GHz:-2.77 | | | | | | |
| | | | | 5.47-5.725 GHz:0.41 | | | | | | |
| | | | | 5.725-5.850 GHz:-3.41 | | | | | | |
| | | | | 5.47-5.725 GHz:-2.26 | | | | | | |
| | | | | 5.725-5.850 GHz:-2.23 | | | | | | |



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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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