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Motorola Solutions, Inc.  
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U.S.A.

June, 2011

**Canopy PTP230 GEN2 OFDM 5480 Backhaul Cover Letter**

FCC ID: ABZ89FT7638

Gentlemen:

Motorola Solutions is reporting to the F.C.C. a Class II permissive change with regards to FCC ID: ABZ89FT7638 to include the additional models 5480BH, 5481BH, 5480BH10, 5480BH20, 5480BH50, 5481BH10, 5481BH20, 5481BH50 to be compliant with FCC Part 15.407.

Motorola Canopy Engineering attests that no R.F. characteristics have changed with the stated reference design - Canopy GEN2 OFDM 5490 Subscriber Module (5490SM). This Class II permissive change is establishing electrical identically on the basis of the same reference design. We implemented DFS functionality as required by master devices per 15.407, using the same algorithm as Canopy FCC ID: ABZ89FT7637.

The auxiliary port (RJ25), also referenced as RJ11 6 pin, outputs a digital timing signal for link synchronization.

We have demonstrated the addition of a 15dBi reflector dish antenna for outdoor point-to-point application with our 10dBi integral patch antenna. Alternatively, we have demonstrated the addition of a 6dBi Lens director antenna with our 10dBi integral patch antenna for point-to-point application.

We are adding additional model numbers for marketing purposes. The BH indicates point-to-point backhaul links and the number after the BH: 10, 20, 50 refer to modulations all previously certified with the FCC: QPSK, 16QAM, 64QAM respectively. The fourth digit being a 1 or 0 in the model number is designated to indicate encryption types for secure data transmissions.

In conclusion, the Canopy PTP230 5480BH is electrically identical to the Canopy GEN2 OFDM 5490 Subscriber Module (5490SM).

Sincerely,

A handwritten signature in black ink, appearing to read "SMP".

Steven M. Payne  
RF Principal Staff Engineer  
Canopy Regulatory Engineering  
Motorola Solutions, Inc.