

To: SGS North America Inc.  
620 Old Peachtree Road  
SUITE 100  
Suwanee, Georgia  
United States

From: From: Corning Optical Communications LLC,  
6 Concord Road Shrewsbury Massachusetts 01545 United States

For FCC ID: OJFDMRUG21719; Model number: dMRU-G2-1719

Since we received below background information,

AWS-4: In 2012, the FCC released a Notice of Proposed Rulemaking that proposed to apply AWS service rules for the 2000-2020 and 2180-2200 MHz bands, which are also allocated and authorized for Mobile Satellite Service (MSS).

Later the same year, the FCC released a Report and Order and Order of Proposed Modification adopting flexible use service rules for terrestrial, mobile use of those bands.

The terrestrial service is known as AWS-4. In February 2013, the Commission issued an Order of Modification to modify the licenses of the incumbent MSS licensees in that spectrum to add AWS-4 terrestrial operating authority.

In December 2013, the Wireless Telecommunications Bureau issued a Memorandum Opinion and Order granting a petition for waiver of certain rules in the 2000-2020 MHz band, subject to certain conditions, to provide the AWS-4 licensees a one-time, irrevocable option to use the 2000-2020 MHz band for downlink operations, which of that band with flexibility to use it for uplink or downlink operations, which both licensees elected to do.

We designed our product operate in AWS-4 band: 2000MHz-2020MHz as booster downlink, 2000-2020 MHz will not for uplink use.

Since 27.50 (d)(7) require the total power for AWS4: 2000-2020 emission may not exceed 2 watts EIRP. However, the DA 13-2409 (DISH waiver) allow the 2 watts power limit be replaced by 27.50 (d)(1) or 27.50 (d)(2) that 1640W.

Based on 27.53(h)(2)(ii) requirement the power of any emission below 2000Mhz shall be attenuated below the transmitter power (P) in watts by at least  $70+10 \log(P)$ dB. the DA 13-2409 (DISH waiver) allow the emission limit be replaced by 27.53 (h)(1) that the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least  $43 + 10 \log_{10} (P)$  dB=13dBm.

Please approve above DA 13-2409 (DISH waiver) apply to the product with FCC ID: OJFDMRUG21719.

Sincerely,

Name (*Printed*): Jyotin Basrur

Title: Senior Director, Product Line Management



On behalf of Company: Corning Optical Communications LLC