

ADRF KOREA, Inc.

5-5, Mojeon-Ri, Backsa-Myun, Icheon-City, Kyunggi-Do, South Korea

We, **ADRF KOREA, Inc.** hereby declare that 5W ERP limit requirements of Section 90.219 have been met and shown on the following questions.

1. Will DUT always sold with specific antenna cable type ONLY? In other words, what stops the user employing different types of antenna cables?

[Answer] *The cable is not provided to installers, but we will guide installer through the user manuals to ensure that this product is installed correctly to meet the 5W ERP requirements as follows:*

=====

In accordance with the FCC regulations, this device must meet 5W ERP requirements.

To satisfy this, the antenna cable name we propose is LMR200. If available, the antenna length must be at least of 30m (antenna cable loss at 30m is about 8 dBi). If you use another antenna cable, the cable loss must be considered to more than DL: 2dBi and UL: 7 dBi. So, the maximum antenna gain after accounting for any cable losses should be UP To DL: 0.6 dBi, Omni antenna / UL: 8 dBi, Pannel antenna.

=====

Uplink: $30 \text{ dBm} + 1 \text{ dB Tolerance} + 15 \text{ dBi Antenna gain} - 7 \text{ dBi Antenna cable loss} - 2.15 = 36.85 \text{ dBm (4.842W)}$

Downlink: $37 \text{ dBm} + 1 \text{ dB Tolerance} + 2.60 \text{ dBi Antenna gain} - 2 \text{ dBi Antenna cable loss} - 2.15 = 36.45 \text{ dBm (4.416W)}$

2. We don't seem to locate the ERP calculation which shows the ERP < 5 Watts considering the X-dB cable loss. Yes, in the user manual we saw statement referring to the antenna cable length of 30m. However, as you know, quality of the cable makes difference than the length only. This is tied to our point # 1 above. How do we ensure the cable used always satisfies the requirement?

[Answer] Please refer to answer 1.

3. The Grant Note under Equipment Class indicates "Part 90 Industrial Booster (non SMR)".

[Answer] TCB will revise it.

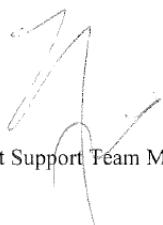
4. Who installs the DUT?

[Answer] The product must need special trained professional in configuring and installing the product.

5. Who is responsible for the installation instruction being implemented correctly?

[Answer] The applicant/grantee is ultimately responsible.

Best Regards



Hyun-Kyung Song / Management Support Team Manager
ADRF KOREA, Inc.