Elliott

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RE: Microwave Data Systems
FCC ID: E5MDS-INETII

1) It appears that the yagi may actually be 12.2 dBi which will slightly affect the MPE exhibit. Please correct.

    MPE has been changed to reflect 12.2 dBi.

2) Response 8 from MDS suggests power is reduced only when > 9 dBi. However power data suggests that omni's also have reduction for 6 – 9 dBi. Please comment/review as necessary.

    The manual sates in page 134 tables 5-2 & page 135 section 5.1.5 and the 1st note state that the power is to be reduced if antenna gain is > 6dBi.   The power data tries to show compliance for each type and gain antenna. In the power data Run# 2 please refer to note 3 as to what was our intent of the power tables.

3) The frequencies shown in this application appear to be 902.8 – 927.5 MHz based upon your response. However this appears to be backward compatible with previous systems and page 157-158 of the users manual suggests this should be 902.5 – 927.5035. Please confirm with the manufacturer the intended maximum and minimum tunable channels. Most of the previous applications appear to be approved for 902.2 – 927.8 or 902.5 – 927.5. Either way, it appears that a one or more channels may not be available in this system or tested as requires by FCC rules. Please review/comment.

    Updated manual uploaded. Channels clarified in table of the INET and the INETII table 6.4 on page 149.

4) Information on pages 136 – 145 of the manual suggest adjusting power for compensation of cable loss. However please note testing at maximum output for each type of antenna has been approved, regardless of cable loss. Please comment as necessary. Clarification of this for the iNETII in the manual may be desirable since the manual suggest that with higher cable loss, different settings may be used to meet +36 dBi.

    A new table was made on page 134, table 5-2 lists antennas and required feedline loss to stay in compliance with the +36dBm FCC limit, Then on table 5-3 it lists the specifics for the INET and INETII power settings. EUT was tested with a short feedline and maximum antenna for worst case. Then this suggest that we should be OK listing a minimum example feedline loss to show the limits.

IC

5) The newly provided RSS-102 declaration was only the IC REL listing letter, note the new RSS-120 attestation. Please review and correct.

    Uploaded correct RSS-102 declaration form.

Regards,

Juan Martinez