

**Before the
FEDERAL COMMUNICATIONS COMMISSION
Washington, DC 20554**

In the Matter of)
)
Mangata Networks)
)
Petition for a Declaratory Ruling) File No. SAT-PDR-20200526-00054
Granting Access to the U.S. Market)
For the Mangata Networks System)
)

REPLY COMMENTS OF KUIPER SYSTEMS LLC

Kuiper Systems LLC, a wholly owned subsidiary of Amazon.com Services LLC (collectively, “Amazon”), submits the following reply comments on the above-referenced application of Mangata Networks (“Mangata”) seeking U.S. market access for its proposed non-geostationary satellite orbit (“NGSO”) fixed-satellite service (“FSS”) constellation (the “Application”).¹

I. MANGATA FAILS TO JUSTIFY A REQUEST FOR A WAIVER OF SECTION 25.261(C) OF THE COMMISSION’S RULES.

A waiver to the Commission’s rules “is [] appropriate if special circumstances warrant a deviation from the general rule, such deviation will serve the public interest, and the waiver does not undermine the validity of the general rule.”² Despite analyses by Amazon³ and other

¹ Mangata Networks, Petition for a Declaratory Ruling Granting Access to the U.S. Market For the Mangata Networks System, IBFS File No. SAT-PDR-20200526-00054 (filed May 26, 2020) (“*Application*”).

² *Kuiper Systems LLC Application for Authorization to Deploy & Operate A Ka-Band Non-Geostationary Satellite Orbit System*, Order and Authorization, 35 FCC Rcd 8324, ¶ 51 (2020). See also Comments of Kuiper Systems LLC, IBFS File No. SAT-PDR-20200526-00054, at 3 (filed Sept. 8, 2020) (“*Amazon Comments*”).

³ *Id.* at 2-4.

commenters⁴ showing that Mangata’s Application does not meet this standard, Mangata declined to address these arguments in its Opposition or show the existence of special circumstances.⁵ Instead, Mangata made the conclusory statement that “waiving the two-step default procedure (good-faith coordination followed by band segmentation) stated in Part 25.261(c) . . . , and instead enabling Mangata to implement a three-step procedure (good-faith coordination, new spectrum sharing technology that prevents an increase in system noise temperature of greater than 6 percent, and lastly band segmentation, if necessary) is aligned with the FCC policy objectives as set forth in the NGSO FSS Order and serves the public interest.”⁶ This response fails to acknowledge that if Mangata successfully prevents $\Delta T/T$ from exceeding 6 percent as it suggests, Section 25.261 does not require band segmentation, and no waiver is needed. In the alternative case, if Mangata receives a waiver and is not required to engage in band segmentation should $\Delta T/T$ exceed 6 percent, this would not provide an adequate mechanism for resolution of interference.⁷ For these reasons, the Commission should deny Mangata’s request for waiver of Section 25.261(c).

II. MANGATA MUST PROVIDE FURTHER INFORMATION REGARDING ITS PROPOSED TT&C BEAMS.

Amazon requested that Mangata provide more information regarding the technical characteristics of the proposed “high coverage” mode for its TT&C beams, as well as the

⁴ Comments of Telesat Canada, IBFS File No. SAT-PDR-20200526-00054, at 3-4 (filed Sept. 8, 2020) (“[F]irst, to the extent Mangata seeks a waiver of band segmentation requirements vis-à-vis first round systems, its request should be dismissed out of hand. . . . [T]here is no basis for relieving Mangata of these band segmentation requirements while leaving other same round applicants under such an obligation, which would give Mangata an undeserved advantage vis-à-vis such other parties,” and “relieving all same round applicants of their band segmentation obligations . . . would eviscerate the rule.”); Petition to Deny or Condition of O3b Limited, IBFS File No. SAT-PDR-20200526-00054, at 3-7 (filed Sept. 8, 2020).

⁵ See Consolidated Reply Comments of Mangata Networks LLC, IBFS File No. SAT-PDR-20200526-00054 (filed Sept. 24, 2020) (“*Opposition*”). Amazon notes that Mangata filed and served this Opposition after the date required under Sections 25.154 and 1.4.

⁶ *Opposition*, at 3.

⁷ See *Amazon Comments*, at 3.

anticipated frequency and duration of the “early operations” during which it will utilize that configuration.⁸ This information is necessary for the Commission to fully analyze Mangata’s interference effects on other Ka-band systems.

III. CONCLUSION.

For the reasons above, Amazon respectfully requests that the Commission deny Mangata’s request for a waiver of Section 25.261(c) and require Mangata to provide the above-mentioned technical parameters regarding its proposed TT&C beams.

Respectfully submitted,

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September 30, 2020

⁸ See *Amazon Comments*, at 4-5. See also *Application*, at Technical Narrative, 15.

CERTIFICATE OF SERVICE

I hereby certify that, on this 30th of September, 2020, a copy of the foregoing pleading was served via First Class U.S. mail upon:

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