## Ka-Band Earth Station - Carlinville, IL

Frequency Coordination Report
28 GHz


Prepared on Behalf of ViaSat, Inc.

July 31, 2021


COMSEARCH
A CommScope Company

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## 1. Summary of Results

On behalf of ViaSat. Inc., Comsearch issued coordination notice under Section 25.203(c) and Section 25.136(a)(4) of the FCC's rules for all existing and proposed terrestrial licenses within the coordination contours of their proposed Ka-Band earth station in Carlinville-IL, which will transmit at $28 \mathrm{GHz}^{1}$. Prior-notification emails were sent to the licensees and a copy of the notification data is provided in section four of this report. The earth station coordination was finalized on July 29, 2021.

No objections were received from any of the incumbent 28 GHz licensees.

## 2. 28 GHz Common Carrier Coordination

In accordance with FCC Rules and Regulations, the Ka-Band earth station in Carlinville, IL was prior-coordinated by Comsearch. A notification email, datasheet and Google Earth file showing the area around the site outside which the $-77.6 \mathrm{dBm} / \mathrm{m} 2$ per MHz threshold value is not exceeded for this earth station were sent to the following 28 GHz common carrier fixed microwave licensees. These licensees are authorized to operate temporary fixed operations from $27.5-29.5 \mathrm{GHz}$ on a nationwide basis or local basis.

| Licensee | Authorized Geographic Area |
| :--- | :--- |
| AT\&T | Statewide |

No objections were received from the common carrier incumbent.

[^0]
## 3. 28 GHz UMFUS Coordination

All 28 GHz UMFUS licensees within the coordination distance of the proposed earth station were identified. The proposed earth station will operate on frequencies that overlap Channel L1 \& L2 of the UMFUS service. The total frequency allocation for Channels L1 \& L2 of the UMFUS spectrum appears below.

Channel: L1 27.500-27.925 GHz

$$
\text { L2 } \quad 27.925-28.350 \mathrm{GHz}
$$

| Licensee | Authorized Geographic Area |
| :--- | :---: |
| Verizon | Market Based |

No objections were received from the UMFUS incumbents within coordination distance.

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## 4. Earth Station Coordination Data

This section presents the data pertinent to the proposed Ka-Band earth station in Carlinville, IL. This data was circulated to all incumbent licensees in the shared 28 GHz frequency ranges.


## 5. Contact Information

For questions or information regarding the 28 GHz Frequency Coordination Report, please contact:

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[^0]:    ${ }^{1}$ The proposed earth station will operate in the $27.5-29.1 \mathrm{GHz} \& 29.5-30.0 \mathrm{GHz}$ portion of the KaBand.

