



(REFERENCE COPY - Not for submission)

Digital Class A Engineering STA Application

File Number: 0000187548 | Submit Date: 03/29/2022 | Call Sign: K36DB-CD | Facility ID: 23179 | FRN: 0030611438 |

State: Colorado | City: AVON, VAIL

Service: DCA | Purpose: Engineering STA | Status: Granted | Status Date: 03/30/2022 | Expiration Date: 09/29/2022 |

Filing Status: Active

General Information

Section	Question	Response
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Fees, Waivers, and Exemptions

Section	Question	Response
Fees	Is the applicant exempt from FCC application Fees?	No
	Indicate reason for fee exemption:	
Waivers	Does this filing request a waiver of the Commission's rule(s)?	No
	Total number of rule sections involved in this waiver request:	

Application Type	Fee Code	Fee Amount
Engineering STA	MPV	\$270.00
Total		\$270.00

**Applicant
Information**

Applicant Name, Type, and Contact Information

Applicant	Address	Phone	Email	Applicant Type
Outside Waves LLC	Robin Thurston 5720 Flatiron Parkway Suite 100 Boulder, CO 80301 United States	+1 (303) 440- 0601	rthurston@outsideinc. com	Limited Liability Company

Authorization Holder Name

Check box if the Authorization Holder name is being updated because of the sale (or transfer of control) of the Authorization(s) to another party and for which proper Commission approval has not been received or proper notification provided.

Contact
Representatives
(2)

Contact Name	Address	Phone	Email	Contact Type
William Jeffrey Reynolds <i>Technical Consultant</i> du Treil, Lundin & Rackley, Inc.	5212 Station Way Sarasota, FL 34233-3232 United States	+1 (941) 329- 6013	JEFF@DLR.COM	Technical Representative
Henry Wendel <i>FCC Counsel</i> Cooley LLP	Henry Wendel 1299 Pennsylvania Avenue, NW Suite 700 Washington, DC 20004 United States	+1 (202) 776- 2943	hwendel@cooley. com	Legal Representative

Channel and Facility Information

Section	Question	Response
Proposed Community of License	Facility ID	23179
	State	Colorado
	City	AVON, VAIL
	DCA Channel	36
	Designated Market Area	Denver

Antenna Location
Data

Section	Question	Response
Antenna Structure Registration	Do you have an FCC Antenna Structure Registration (ASR) Number?	No
	ASR Number	
Coordinates (NAD83)	Latitude	39° 37' 19.3" N+
	Longitude	106° 28' 47.6" W-
	Structure Type	BANT-Building with antenna on top
	Overall Structure Height	14 meters
	Support Structure Height	12 meters
	Ground Elevation (AMSL)	2321 meters
Antenna Data	Height of Radiation Center Above Ground Level	14 meters
	Height of Radiation Center Above Mean Sea Level	2335 meters
	Effective Radiated Power	0.0535 kW

Antenna
Technical Data

Section	Question	Response
Antenna Type	Antenna Type	Directional Custom
	Do you have an Antenna ID?	Yes
	Antenna ID	20778
Antenna Manufacturer and Model	Manufacturer:	SCA
	Model	CL-1469
	Rotation	290 degrees
	Electrical Beam Tilt	Not Applicable
	Mechanical Beam Tilt	Not Applicable
	toward azimuth	
	Polarization	Horizontal
Elevation Radiation Pattern	Does the proposed antenna propose elevation radiation patterns that vary with azimuth for reasons other than the use of mechanical beam tilt?	No
	Uploaded file for elevation antenna (or radiation) pattern data	
	Out-of-Channel Emission Mask:	Simple

Directional Antenna Relative Field Values (Pre-rotated Pattern)

Degree	Value	Degree	Value	Degree	Value	Degree	Value
0	1	90	0.01	180	0.01	270	0.01
10	0.947	100	0.01	190	0.01	280	0.01
20	0.812	110	0.01	200	0.01	290	0.01
30	0.622	120	0.01	210	0.01	300	0.01
40	0.361	130	0.01	220	0.01	310	0.086
50	0.086	140	0.01	230	0.01	320	0.361
60	0.01	150	0.01	240	0.01	330	0.622
70	0.01	160	0.01	250	0.01	340	0.812
80	0.01	170	0.01	260	0.01	350	0.947

Additional Azimuths

Degree	V _A
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Certification

Section	Question	Response
General Certification Statements	The Applicant waives any claim to the use of any particular frequency or of the electromagnetic spectrum as against the regulatory power of the United States because of the previous use of the same, whether by authorization or otherwise, and requests an Authorization in accordance with this application (See Section 304 of the Communications Act of 1934, as amended.).	
	The Applicant certifies that neither the Applicant nor any other party to the application is subject to a denial of Federal benefits pursuant to §5301 of the Anti-Drug Abuse Act of 1988, 21 U.S.C. §862, because of a conviction for possession or distribution of a controlled substance. This certification does not apply to applications filed in services exempted under §1.2002(c) of the rules, 47 CFR . See §1.2002(b) of the rules, 47 CFR §1.2002(b), for the definition of "party to the application" as used in this certification §1.2002 (c). The Applicant certifies that all statements made in this application and in the exhibits, attachments, or documents incorporated by reference are material, are part of this application, and are true, complete, correct, and made in good faith.	
Authorized Party to Sign	FAILURE TO SIGN THIS APPLICATION MAY RESULT IN DISMISSAL OF THE APPLICATION AND FORFEITURE OF ANY FEES PAID Upon grant of this application, the Authorization Holder may be subject to certain construction or coverage requirements. Failure to meet the construction or coverage requirements will result in automatic cancellation of the Authorization. Consult appropriate FCC regulations to determine the construction or coverage requirements that apply to the type of Authorization requested in this application. WILLFUL FALSE STATEMENTS MADE ON THIS FORM OR ANY ATTACHMENTS ARE PUNISHABLE BY FINE AND /OR IMPRISONMENT (U.S. Code, Title 18, §1001) AND/OR REVOCATION OF ANY STATION AUTHORIZATION (U.S. Code, Title 47, §312(a)(1)), AND/OR FORFEITURE (U.S. Code, Title 47, §503).	
	I certify that this application includes all required and relevant attachments.	Yes
	I declare, under penalty of perjury, that I am an authorized representative of the above-named applicant for the Authorization(s) specified above.	Robin Thurston <i>CEO</i> 03/29/2022

Attachments

File Name	Uploaded By	Attachment Type	Description
K36DB-CD STA Technical Summary.pdf	Applicant	All Purpose	TECHNICAL SUMMARY