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**Federal Communications Commission  
Wireless Telecommunications Bureau**

**RADIO STATION AUTHORIZATION**

LICENSEE: NORTHROP GRUMMAN SYSTEMS CORPORATION

ATTN: DS LAW, PLLC  
NORTHROP GRUMMAN SYSTEMS CORPORATION  
1629 K ST. NW STE 300  
WASHINGTON, DC 20006-1631

|   |                                  |                    |
|---|----------------------------------|--------------------|
| <b>Call Sign</b><br>KVB5                            | <b>File Number</b><br>0008173651 |                    |
| <b>Radio Service</b><br>AF - Aeronautical and Fixed |                                  |                    |
| <b>Station Class</b><br>FAT                         |                                  |                    |
| <b>Coast Id</b>                                     | <b>Sel Call</b>                  | <b>Aviation Id</b> |

FCC Registration Number (FRN): 0003800133

|                                 |                                     |                                      |                                 |
|---------------------------------|-------------------------------------|--------------------------------------|---------------------------------|
| <b>Grant Date</b><br>04-18-2018 | <b>Effective Date</b><br>04-18-2018 | <b>Expiration Date</b><br>04-18-2023 | <b>Print Date</b><br>04-19-2018 |
|---------------------------------|-------------------------------------|--------------------------------------|---------------------------------|

**STATION TECHNICAL SPECIFICATIONS**

**Fixed Location Address or Mobile Area of Operation**

**Loc. 1 Address:** LONG BEACH MUNICIPAL AIRPORT  
**City:** LONG BEACH    **County:** LOS ANGELES    **State:** CA  
**Lat (NAD83):** 33-49-00.1 N    **Long (NAD83):** 118-09-03.2 W    **ASR No.:**    **Ground Elev:** 17.0  
**No. of units:**

**Antennas**

| Loc No. | Ant No. | Frequencies (MHz) | Emission Designator | Output Power (watts) | Hours of Operation | Ant. Ht./Tp meters | Construct Deadline Date |
|---------|---------|-------------------|---------------------|----------------------|--------------------|--------------------|-------------------------|
| 1       | 1       | 000123.3500000    | 6K00A3E             | 20.000               |                    | 12.0               |                         |
| 1       | 1       | 000123.5250000    | 6K00A3E             | 20.000               |                    | 12.0               |                         |

**Control Points**

**Control Pt. No. 1**

**Address:** FLIGHT DIRECTORS OFFICE LONG BEACH MUNICIPAL AIRPORT  
**City:** LONG BEACH    **County:**    **State:** CA    **Telephone Number:**

**Conditions:**

Pursuant to §309(h) of the Communications Act of 1934, as amended, 47 U.S.C. §309(h), this license is subject to the following conditions: This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequencies designated in the license beyond the term thereof nor in any other manner than authorized herein. Neither the license nor the right granted thereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934, as amended. See 47 U.S.C. § 310(d). This license is subject in terms to the right of use or control conferred by §706 of the Communications Act of 1934, as amended. See 47 U.S.C. §606.

**Licensee Name:** NORTHROP GRUMMAN SYSTEMS

**Call Sign:** KVB5

**File Number:** 0008173651

**Print Date:** 04-19-2018

**Control Points**

**Control Pt. No. 2**

**Address:** FLIGHT DISPATCH OFFICE LONG BEACH MUNICIPAL AIRPORT

**City:** LONG BEACH **County:** **State:** CA **Telephone Number:**

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**Associated Call Signs**

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**Waivers/Conditions:**

Renewal of this license is subject to prior coordination with AFTRCC Frequency Advisory Committee at [www.aftfcc.org](http://www.aftfcc.org)

Licensee should coordinate with other users as necessary to minimize interference.

Use of these frequencies is not exclusive. Multiple users are licensed for these frequencies in the same geographic area. Transmission on any given frequency may be subject to day-to-day, hour-by-hour scheduling with the Los Angeles Area Flight Test RadioCoordinating Committee. POCs are Rich Elersich (661) 572-3019 and JJ Littlefield (661) 810-8694.