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**Federal Communications Commission  
Wireless Telecommunications Bureau**

**RADIO STATION AUTHORIZATION**

LICENSEE: GEMOLOGICAL INSTITUTE OF AMERICA, INC

ATTN: ABHISHEK MISRA  
GEMOLOGICAL INSTITUTE OF AMERICA, INC  
5345 ARMADA DR  
CARLSBAD, CA 92008

<b>Call Sign</b> WRZU518	<b>File Number</b> 0010805056
<b>Radio Service</b> IG - Industrial/Business Pool, Conventional	
<b>Regulatory Status</b> PMRS	
<b>Frequency Coordination Number</b> 20231204153407	

FCC Registration Number (FRN): 0034571752

<b>Grant Date</b> 12-12-2023	<b>Effective Date</b> 12-12-2023	<b>Expiration Date</b> 12-12-2033	<b>Print Date</b> 12-12-2023
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**STATION TECHNICAL SPECIFICATIONS**

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

- Loc. 1** Address: 5345 ARMADA DRIVE  
City: CARLSBAD County: SAN DIEGO State: CA  
Lat (NAD83): 33-07-56.2 N Long (NAD83): 117-19-09.3 W ASR No.: Ground Elev: 52.0
- Loc. 2** Area of operation  
Operating within a 32.0 km radius around fixed location 1
- Loc. 3** Area of operation  
Operating within a 32.0 km radius around 33-07-56.2 N, 117-19-09.3 W,  
CARLSBAD, SAN DIEGO county, CA

**Antennas**

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp (meters)	Ant. AAT (meters)	Construct Deadline
1	1	000463.38750000	FB2	2		7K60FXE	40.000	40.000	20.0	23.8	12-12-2024
1	1	000464.61250000	FB2	2		7K60FXE	40.000	40.000	20.0	23.8	12-12-2024

**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.

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**Antennas**

Loc No.	Ant No.	Frequencies (MHz)	Sta. Cls.	No. Units	No. Pagers	Emission Designator	Output Power (watts)	ERP (watts)	Ant. Ht./Tp meters	Ant. AAT meters	Construct Deadline Date
2	1	000463.38750000	MO	66		7K60FXE	4.000	25.000			12-12-2024
2	1	000464.61250000	MO	66		7K60FXE	4.000	25.000			12-12-2024
2	1	000468.38750000	MO	66		7K60FXE	4.000	25.000			12-12-2024
2	1	000469.61250000	MO	66		7K60FXE	4.000	25.000			12-12-2024
3	1	000466.45000000	MO	66		7K60FXE	4.000	25.000			12-12-2024
3	1	000467.32500000	MO	66		7K60FXE	4.000	25.000			12-12-2024
3	1	000464.93750000	MO	66		7K60FXE	4.000	25.000			12-12-2024
3	1	000451.88750000	MO	66		7K60FXE	4.000	25.000			12-12-2024
3	1	000452.33750000	MO	66		7K60FXE	4.000	25.000			12-12-2024
3	1	000456.88750000	MO	66		7K60FXE	4.000	25.000			12-12-2024
3	1	000457.33750000	MO	66		7K60FXE	4.000	25.000			12-12-2024
3	1	000461.45000000	MO	66		7K60FXE	4.000	25.000			12-12-2024
3	1	000464.15000000	MO	66		7K60FXE	4.000	25.000			12-12-2024
3	1	000464.28750000	MO	66		7K60FXE	4.000	25.000			12-12-2024

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**Control Points**

**Control Pt. No. 1**

Address: 5345 ARMADA DRIVE

City: CARLSBAD County: SAN DIEGO State: CA Telephone Number: (760)603-4000

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**Associated Call Signs**

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<NA>

**Waivers/Conditions:**

NONE

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