

**United States of America
FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL
RADIO STATION CONSTRUCTION PERMIT
AND LICENSE**

EXPERIMENTAL

(Nature of Service)

XD FX

(Class of Station)

KM2XLB

(Call Sign)

0298-EX-RR-2016

(File Number)

NAME ROCKWELL COLLINS, INC.

Subject to the provisions of the Communications Act of 1934, subsequent acts, and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions and requirements set forth in this license, the licensee hereof is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communications in accordance with the program of experimentation described by the licensee in its application for license.

Operation: In accordance with Sec. 5.3(a, j) of the Commission's Rules

Station Locations

(1) US, US - NL 42-02-05; WL 91-38-37

Frequency Information

US, US - NL 42-02-05; WL 91-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2398 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
2810 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
3171 kHz	FX	115KV1D 115KJ1D	3 kW (ERP)	

This authorization effective August 01, 2016 and
will expire 3:00 A.M. EST August 01, 2018

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

US, US - NL 42-02-05; WL 91-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
3171 kHz	FX	115KD1D	3 kW (ERP)	
3260 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
4050 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
4576 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
4611 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
4636 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
4950 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	

Frequency Information

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5100 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
5315 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
5760 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
5960 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
6060 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
6160 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
6770 kHz	FX	115KV1D 115KJ1D	3 kW (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6770 kHz	FX	115KD1D	3 kW (ERP)	
6970 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
7410 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
7483 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
7650 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
7698 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
7990 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	

Frequency Information

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8060 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
9050 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
9350 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
10200 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
10400 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
10600 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
10800 kHz	FX	115KV1D 115KJ1D	3 kW (ERP)	

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10800 kHz	FX	115KD1D	3 kW (ERP)	
11550 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
12090 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
13850 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
14550 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
15760 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
15860 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	

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15960 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
16060 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
16160 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
17450 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
18040 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
18610 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
19460 kHz	FX	115KV1D 115KJ1D	3 kW (ERP)	

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19460 kHz	FX	115KD1D	3 kW (ERP)	
20460 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
20960 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
21860 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
22860 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
23160 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
23460 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	

Frequency Information

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24460 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
25230 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
26490 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
26910 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
27440 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
27990 kHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
29720 kHz	FX	115KV1D 115KJ1D	3 kW (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
29720 kHz	FX	115KD1D	3 kW (ERP)	
30.59 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
31.01 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
31.51 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
31.97 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
33.03 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
33.51 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	

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33.97 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
35.05 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
35.5 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
35.97 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
37.03 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
37.51 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
37.97 MHz	FX	115KV1D 115KJ1D	3 kW (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
37.97 MHz	FX	115KD1D	3 kW (ERP)	
39.03 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
39.51 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
39.97 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
42.03 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
42.51 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
43.01 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
43.5 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
44.01 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
44.51 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
45.01 MHz	FX	7K00V1D 115KJ1D 115KD1D	3 kW (ERP)	
45.51 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
46.01 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
46.51 MHz	FX	115KV1D 115KJ1D	3 kW (ERP)	

Frequency Information

US, US - NL 42-02-05; WL 91-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
46.51 MHz	FX	115KD1D	3 kW (ERP)	
47.03 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
47.51 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
48.01 MHz	FX	7K00V1D 115KJ1D 115KD1D	3 kW (ERP)	
48.51 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
49.01 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
49.51 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	

Frequency Information

US, US - NL 42-02-05; WL 91-38-37

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
60 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
66 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
72.63 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
75.95 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
82 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	
88 MHz	FX	115KV1D 115KJ1D 115KD1D	3 kW (ERP)	

Special Conditions:

- (1) The station identification requirements of Section 5.115 of the Commission's Rules are waived.

Special Conditions:

- (2) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (3) Licensee should be aware that other stations may be licensed on these frequencies and if any interference occurs, the licensee of this authorization will be subject to immediate shut down.
- (4) This license combines the particulars of KO2XGS.
- (5) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Randy Nelson at (319) 389-8732.