

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

EXPERIMENTAL

(Nature of Service)

WE2XMH

(Call Sign)

XD MO

(Class of Station)

0293-EX-PL-2007

(File Number)

NAME BAE Systems Information and Electronic Systems Integration 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(b, c, g, i) of the Commission's Rules

Station Locations

- (1) MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33
- (2) MOBILE: Merrimack, HILLSBOROUGH, NH, within 2 km, centered around NL 42-48-39; WL 71-29-19
- (3) MOBILE: Air-Based Transmissions Within FAA-approved Flight Operations Area, within 32 km, centered around NL 42-44-15; WL 71-57-59

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.85 MHz	MO	NON	0.007 W (ERP)	
0.9 MHz	MO	NON	0.007 W (ERP)	
0.95 MHz	MO	NON	0.007 W (ERP)	

This authorization effective January 06, 2009 and
will expire 3:00 A.M. EST January 06, 2011

**FEDERAL
COMMUNICATIONS
COMMISSION**



Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1 MHz	MO	N0N	0.007 W (ERP)	
1.5 MHz	MO	N0N	0.007 W (ERP)	
2 MHz	MO	N0N	0.007 W (ERP)	
2.51 MHz	MO	N0N	0.007 W (ERP)	
2.84 MHz	MO	N0N	0.007 W (ERP)	
3.5 MHz	MO	N0N	0.007 W (ERP)	
4 MHz	MO	N0N	0.007 W (ERP)	
4.5 MHz	MO	N0N	0.007 W (ERP)	
5.01 MHz	MO	N0N	0.007 W (ERP)	
5.44 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
6 MHz	MO	N0N	0.007 W (ERP)	
6.5 MHz	MO	N0N	0.007 W (ERP)	
7 MHz	MO	N0N	0.007 W (ERP)	
7.5 MHz	MO	N0N	0.007 W (ERP)	
8 MHz	MO	N0N	0.007 W (ERP)	
8.5 MHz	MO	N0N	0.007 W (ERP)	
9.05 MHz	MO	N0N	0.007 W (ERP)	
9.5 MHz	MO	N0N	0.007 W (ERP)	
9.99 MHz	MO	N0N	0.007 W (ERP)	
10.05 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.5 MHz	MO	N0N	0.007 W (ERP)	
11 MHz	MO	N0N	0.007 W (ERP)	
11.5 MHz	MO	N0N	0.007 W (ERP)	
12 MHz	MO	N0N	0.007 W (ERP)	
12.5 MHz	MO	N0N	0.007 W (ERP)	
13 MHz	MO	N0N	0.007 W (ERP)	
13.5 MHz	MO	N0N	0.007 W (ERP)	
14 MHz	MO	N0N	0.007 W (ERP)	
14.5 MHz	MO	N0N	0.007 W (ERP)	
14.98 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
15-29.9 MHz	MO	N0N	0.007 W (ERP)	
30-74.8 MHz	MO	N0N	0.007 W (ERP)	
156.535-156.79 MHz	MO	N0N	0.007 W (ERP)	
161.775-162 MHz	MO	N0N	0.007 W (ERP)	
164-173.6 MHz	MO	N0N	0.007 W (ERP)	
454.375 MHz	MO	N0N	0.007 W (ERP)	
454.4 MHz	MO	N0N	0.007 W (ERP)	
454.5 MHz	MO	N0N	0.007 W (ERP)	
455 MHz	MO	N0N	0.007 W (ERP)	
471.2 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
471.35 MHz	MO	N0N	0.007 W (ERP)	
472.225 MHz	MO	N0N	0.007 W (ERP)	
472.225 MHz	MO	N0N 25K0F3D	5 W (ERP)	
473.6 MHz	MO	N0N	0.007 W (ERP)	
473.775 MHz	MO	N0N	0.007 W (ERP)	
474.3 MHz	MO	N0N	0.007 W (ERP)	
475 MHz	MO	N0N	0.007 W (ERP)	
476 MHz	MO	N0N	0.007 W (ERP)	
476.2 MHz	MO	N0N	0.007 W (ERP)	
476.5 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
476.95 MHz	MO	N0N	0.007 W (ERP)	
476.95 MHz	MO	N0N 25K0F3D	5 W (ERP)	
478.4 MHz	MO	N0N	0.007 W (ERP)	
478.625 MHz	MO	N0N	0.007 W (ERP)	
480 MHz	MO	N0N	0.007 W (ERP)	
480.2 MHz	MO	N0N	0.007 W (ERP)	
480.8 MHz	MO	N0N	0.007 W (ERP)	
481 MHz	MO	N0N	0.007 W (ERP)	
481.05 MHz	MO	N0N	0.007 W (ERP)	
481.725 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
481.725 MHz	MO	N0N 25K0F3D	5 W (ERP)	
483.2 MHz	MO	N0N	0.007 W (ERP)	
483.475 MHz	MO	N0N	0.007 W (ERP)	
485 MHz	MO	N0N	0.007 W (ERP)	
485.6 MHz	MO	N0N	0.007 W (ERP)	
485.9 MHz	MO	N0N	0.007 W (ERP)	
486.1 MHz	MO	N0N	0.007 W (ERP)	
486.525 MHz	MO	N0N	0.007 W (ERP)	
486.525 MHz	MO	N0N 25K0F3D	5 W (ERP)	
488 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
488.325 MHz	MO	N0N	0.007 W (ERP)	
490 MHz	MO	N0N	0.007 W (ERP)	
490.4 MHz	MO	N0N	0.007 W (ERP)	
490.75 MHz	MO	N0N	0.007 W (ERP)	
491.4 MHz	MO	N0N	0.007 W (ERP)	
491.4 MHz	MO	N0N 25K0F3D	5 W (ERP)	
492 MHz	MO	N0N	0.007 W (ERP)	
492.8 MHz	MO	N0N	0.007 W (ERP)	
493.175 MHz	MO	N0N	0.007 W (ERP)	
495 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
495.2 MHz	MO	N0N	0.007 W (ERP)	
495.6 MHz	MO	N0N	0.007 W (ERP)	
496.3 MHz	MO	N0N	0.007 W (ERP)	
496.3 MHz	MO	N0N 25K0F3D	5 W (ERP)	
497.6 MHz	MO	N0N	0.007 W (ERP)	
497.9 MHz	MO	N0N	0.007 W (ERP)	
498.025 MHz	MO	N0N	0.007 W (ERP)	
500 MHz	MO	N0N	0.007 W (ERP)	
500 MHz	MO	N0N 25K0F3D	5 W (ERP)	
500.45 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
502.875 MHz	MO	N0N	0.007 W (ERP)	
503.8 MHz	MO	N0N	0.007 W (ERP)	
505 MHz	MO	N0N	0.007 W (ERP)	
505.3 MHz	MO	N0N	0.007 W (ERP)	
507.725 MHz	MO	N0N	0.007 W (ERP)	
508-614 MHz	MO	N0N	0.007 W (ERP)	
614.425 MHz	MO	N0N	0.007 W (ERP)	
615 MHz	MO	N0N	0.007 W (ERP)	
615.9 MHz	MO	N0N	0.007 W (ERP)	
616.85 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
619.275 MHz	MO	N0N	0.007 W (ERP)	
620 MHz	MO	N0N	0.007 W (ERP)	
621.7 MHz	MO	N0N	0.007 W (ERP)	
621.7 MHz	MO	N0N 25K0F3D	5 W (ERP)	
621.8 MHz	MO	N0N	0.007 W (ERP)	
623 MHz	MO	N0N	0.007 W (ERP)	
624.125 MHz	MO	N0N	0.007 W (ERP)	
625 MHz	MO	N0N	0.007 W (ERP)	
625.9 MHz	MO	N0N	0.007 W (ERP)	
626-632 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
626-632 MHz	MO	N0N 25K0F3D	5 W (ERP)	
633.6 MHz	MO	N0N	0.007 W (ERP)	
633.825 MHz	MO	N0N	0.007 W (ERP)	
634.125 MHz	MO	N0N	0.007 W (ERP)	
634.125 MHz	MO	N0N 25K0F3D	5 W (ERP)	
635 MHz	MO	N0N	0.007 W (ERP)	
636.25 MHz	MO	N0N	0.007 W (ERP)	
638.675 MHz	MO	N0N	0.007 W (ERP)	
639.5 MHz	MO	N0N	0.007 W (ERP)	
640 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
641.1 MHz	MO	N0N	0.007 W (ERP)	
643.525 MHz	MO	N0N	0.007 W (ERP)	
645 MHz	MO	N0N	0.007 W (ERP)	
645.4 MHz	MO	N0N	0.007 W (ERP)	
645.95 MHz	MO	N0N	0.007 W (ERP)	
646.825 MHz	MO	N0N	0.007 W (ERP)	
646.825 MHz	MO	N0N 25K0F3D	5 W (ERP)	
648 MHz	MO	N0N	0.007 W (ERP)	
648.375 MHz	MO	N0N	0.007 W (ERP)	
650 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
650.8 MHz	MO	N0N	0.007 W (ERP)	
651.3 MHz	MO	N0N	0.007 W (ERP)	
653.225 MHz	MO	N0N	0.007 W (ERP)	
655 MHz	MO	N0N	0.007 W (ERP)	
655.65 MHz	MO	N0N	0.007 W (ERP)	
657.2 MHz	MO	N0N	0.007 W (ERP)	
658.075 MHz	MO	N0N	0.007 W (ERP)	
659.75 MHz	MO	N0N	0.007 W (ERP)	
659.75 MHz	MO	N0N 25K0F3D	5 W (ERP)	
660 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
660.5 MHz	MO	N0N	0.007 W (ERP)	
662-668 MHz	MO	N0N	0.007 W (ERP)	
662-668 MHz	MO	N0N 25K0F3D	5 W (ERP)	
669 MHz	MO	N0N	0.007 W (ERP)	
670 MHz	MO	N0N	0.007 W (ERP)	
670.2 MHz	MO	N0N	0.007 W (ERP)	
672.625 MHz	MO	N0N	0.007 W (ERP)	
672.95 MHz	MO	N0N	0.007 W (ERP)	
672.95 MHz	MO	N0N 25K0F3D	5 W (ERP)	
674.9 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
675 MHz	MO	N0N	0.007 W (ERP)	
675.05 MHz	MO	N0N	0.007 W (ERP)	
677.475 MHz	MO	N0N	0.007 W (ERP)	
679.9 MHz	MO	N0N	0.007 W (ERP)	
680 MHz	MO	N0N	0.007 W (ERP)	
680.8 MHz	MO	N0N	0.007 W (ERP)	
682.325 MHz	MO	N0N	0.007 W (ERP)	
684.75 MHz	MO	N0N	0.007 W (ERP)	
685 MHz	MO	N0N	0.007 W (ERP)	
686.4 MHz	MO	N0N	0.007 W (ERP)	
686.4 MHz	MO	N0N	5 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
686.4 MHz	MO	25K0F3D	5 W (ERP)	
686.7 MHz	MO	N0N	0.007 W (ERP)	
687.175 MHz	MO	N0N	0.007 W (ERP)	
689.6 MHz	MO	N0N	0.007 W (ERP)	
690 MHz	MO	N0N	0.007 W (ERP)	
692.025 MHz	MO	N0N	0.007 W (ERP)	
692.6 MHz	MO	N0N	0.007 W (ERP)	
694.45 MHz	MO	N0N	0.007 W (ERP)	
695 MHz	MO	N0N	0.007 W (ERP)	
696.875 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
698.5 MHz	MO	N0N	0.007 W (ERP)	
699.3 MHz	MO	N0N	0.007 W (ERP)	
700 MHz	MO	N0N	0.007 W (ERP)	
700.125 MHz	MO	N0N	0.007 W (ERP)	
700.125 MHz	MO	N0N 25K0F3D	5 W (ERP)	
701.725 MHz	MO	N0N	0.007 W (ERP)	
703 MHz	MO	N0N	0.007 W (ERP)	
704.15 MHz	MO	N0N	0.007 W (ERP)	
704.4 MHz	MO	N0N	0.007 W (ERP)	
706.575 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
709 MHz	MO	N0N	0.007 W (ERP)	
710 MHz	MO	N0N	0.007 W (ERP)	
710.3 MHz	MO	N0N	0.007 W (ERP)	
711.425 MHz	MO	N0N	0.007 W (ERP)	
713.85 MHz	MO	N0N	0.007 W (ERP)	
714.125 MHz	MO	N0N	5 W (ERP)	
714.125 MHz	MO	N0N	0.007 W (ERP)	
714.125 MHz	MO	25K0F3D	5 W (ERP)	
715 MHz	MO	N0N	0.007 W (ERP)	
716.275 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
716.6 MHz	MO	N0N	0.007 W (ERP)	
718.7 MHz	MO	N0N	0.007 W (ERP)	
720 MHz	MO	N0N	0.007 W (ERP)	
721.125 MHz	MO	N0N	0.007 W (ERP)	
722.1 MHz	MO	N0N	0.007 W (ERP)	
723.55 MHz	MO	N0N	0.007 W (ERP)	
725.975 MHz	MO	N0N	0.007 W (ERP)	
728 MHz	MO	N0N	0.007 W (ERP)	
728.4 MHz	MO	N0N	0.007 W (ERP)	
728.425 MHz	MO	N0N	0.007 W (ERP)	
728.425 MHz	MO	N0N	5 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
728.425 MHz	MO	25K0F3D	5 W (ERP)	
730 MHz	MO	N0N	0.007 W (ERP)	
730.825 MHz	MO	N0N	0.007 W (ERP)	
733.25 MHz	MO	N0N	0.007 W (ERP)	
733.9 MHz	MO	N0N	0.007 W (ERP)	
734-740 MHz	MO	N0N	0.007 W (ERP)	
734-740 MHz	MO	N0N 25K0F3D	5 W (ERP)	
740.525 MHz	MO	N0N	0.007 W (ERP)	
742.95 MHz	MO	N0N	0.007 W (ERP)	
742.975 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
742.975 MHz	MO	N0N 25K0F3D	5 W (ERP)	
745.375 MHz	MO	N0N	0.007 W (ERP)	
745.7 MHz	MO	N0N	0.007 W (ERP)	
747.8 MHz	MO	N0N	0.007 W (ERP)	
750 MHz	MO	N0N	0.007 W (ERP)	
750.225 MHz	MO	N0N	0.007 W (ERP)	
751.6 MHz	MO	N0N	0.007 W (ERP)	
752.65 MHz	MO	N0N	0.007 W (ERP)	
755.075 MHz	MO	N0N	0.007 W (ERP)	
757.5 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
757.85 MHz	MO	N0N	5 W (ERP)	
757.85 MHz	MO	N0N	0.007 W (ERP)	
757.85 MHz	MO	25K0F3D	5 W (ERP)	
758-764 MHz	MO	N0N	5 W (ERP)	
758-764 MHz	MO	N0N	0.007 W (ERP)	
758-764 MHz	MO	25K0F3D	5 W (ERP)	
767.2 MHz	MO	N0N	0.007 W (ERP)	
769.3 MHz	MO	N0N	0.007 W (ERP)	
769.625 MHz	MO	N0N	0.007 W (ERP)	
770 MHz	MO	N0N	0.007 W (ERP)	

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MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
772.05 MHz	MO	N0N	0.007 W (ERP)	
773 MHz	MO	N0N	0.007 W (ERP)	
773 MHz	MO	N0N 25K0F3D	5 W (ERP)	
774.475 MHz	MO	N0N	0.007 W (ERP)	
775.2 MHz	MO	N0N	0.007 W (ERP)	
776 MHz	MO	N0N	0.007 W (ERP)	
776.9 MHz	MO	N0N	0.007 W (ERP)	
779.325 MHz	MO	N0N	0.007 W (ERP)	
780 MHz	MO	N0N	0.007 W (ERP)	
781.1 MHz	MO	N0N	0.007 W (ERP)	

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
781.75 MHz	MO	N0N	0.007 W (ERP)	
784.175 MHz	MO	N0N	0.007 W (ERP)	
786.6 MHz	MO	N0N	0.007 W (ERP)	
787 MHz	MO	N0N	0.007 W (ERP)	
788.45 MHz	MO	N0N	0.007 W (ERP)	
788.45 MHz	MO	N0N 25K0F3D	5 W (ERP)	
789.025 MHz	MO	N0N	0.007 W (ERP)	
790 MHz	MO	N0N	0.007 W (ERP)	
791.45 MHz	MO	N0N	0.007 W (ERP)	
792.9 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
794-800 MHz	MO	N0N	0.007 W (ERP)	
794-800 MHz	MO	N0N 25K0F3D	5 W (ERP)	
801.15 MHz	MO	N0N	0.007 W (ERP)	
803.575 MHz	MO	N0N	0.007 W (ERP)	
804.225 MHz	MO	N0N	0.007 W (ERP)	
804.225 MHz	MO	N0N 25K0F3D	5 W (ERP)	
804.7 MHz	MO	N0N	0.007 W (ERP)	
806 MHz	MO	N0N	0.007 W (ERP)	
808 MHz	MO	N0N	0.007 W (ERP)	
808.425 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

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Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
933-935 MHz	MO	N0N	0.007 W (ERP)	
1851.575 MHz	MO	N0N	0.007 W (ERP)	
1852.875 MHz	MO	N0N	0.007 W (ERP)	
1853.55 MHz	MO	N0N	0.007 W (ERP)	
1855.325 MHz	MO	N0N	0.007 W (ERP)	
1858.765 MHz	MO	N0N	0.007 W (ERP)	
1860 MHz	MO	N0N	0.007 W (ERP)	
1863.555 MHz	MO	N0N	0.007 W (ERP)	
1863.555 MHz	MO	N0N 25K0F3D	5 W (ERP)	
1880 MHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1890.945 MHz	MO	N0N	0.007 W (ERP)	
1890.945 MHz	MO	N0N 25K0F3D	5 W (ERP)	
1909.965 MHz	MO	N0N	0.007 W (ERP)	
1909.965 MHz	MO	N0N 25K0F3D	5 W (ERP)	
1910.025 MHz	MO	N0N	0.007 W (ERP)	
1918.724 MHz	MO	N0N	0.007 W (ERP)	
1918.724 MHz	MO	N0N 25K0F3D	5 W (ERP)	
1920 MHz	MO	N0N	0.007 W (ERP)	
1929.975 MHz	MO	N0N	0.007 W (ERP)	
1929.975 MHz	MO	N0N	5 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1929.975 MHz	MO	25K0F3D	5 W (ERP)	
1940 MHz	MO	N0N	0.007 W (ERP)	
1946.925 MHz	MO	N0N	0.007 W (ERP)	
1946.925 MHz	MO	N0N 25K0F3D	5 W (ERP)	
1960 MHz	MO	N0N	0.007 W (ERP)	
1960.575 MHz	MO	N0N	0.007 W (ERP)	
1960.575 MHz	MO	N0N 25K0F3D	5 W (ERP)	
1975.545 MHz	MO	N0N	0.007 W (ERP)	
1975.545 MHz	MO	N0N 25K0F3D	5 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
1980 MHz	MO	N0N	0.007 W (ERP)	
1990.025 MHz	MO	N0N	0.007 W (ERP)	
1990.025 MHz	MO	N0N 25K0F3D	5 W (ERP)	
1999.8 MHz	MO	N0N	0.007 W (ERP)	
1999.8 MHz	MO	N0N 25K0F3D	5 W (ERP)	
2000 MHz	MO	N0N	0.007 W (ERP)	
2000 MHz	MO	N0N 25K0F3D	5 W (ERP)	
9380-9440 MHz	MO	N0N	1.056 W (ERP)	
2.15-2.16 GHz	MO	N0N	0.007 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
4.4-5 GHz	MO	N0N	0.007 W (ERP)	
5.25-5.925 GHz	MO	N0N	0.007 W (ERP)	
7.125-10.55 GHz	MO	N0N	0.007 W (ERP)	
9.6-10.402 GHz	MO	N0N	0.4 W (ERP)	
9.6-10.402 GHz	MO	N0N	4 W (ERP)	
9.6-10.402 GHz	MO	N0N	40 W (ERP)	
9.6-10.402 GHz	MO	5K00GXN 5M00FXN	0.4 W (ERP)	
9.6-10.402 GHz	MO	5M00GXN 5M00FXN	4 W (ERP)	
9.6-10.402 GHz	MO	5M00GXN 5M00FXN	40 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
10.2-10.4 GHz	MO	200MFXN	0.045 W (ERP)	
11.7-12.7 GHz	MO	N0N	0.007 W (ERP)	
13.25-17.7 GHz	MO	N0N	0.007 W (ERP)	
16-16.702 GHz	MO	N0N	0.4 W (ERP)	
16-16.702 GHz	MO	N0N	4 W (ERP)	
16-16.702 GHz	MO	N0N	40 W (ERP)	
16-16.702 GHz	MO	5M00GXN 5M00FXN	0.4 W (ERP)	
16-16.702 GHz	MO	5M00GXN 5M00FXN	4 W (ERP)	
16-16.702 GHz	MO	5M00GXN 5M00FXN	40 W (ERP)	

Frequency Information

MOBILE: Litchfield, HILLSBOROUGH, NH, within 0.46 km, centered around NL 42-48-22; WL 71-25-33

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
19.7-21.2 GHz	MO	N0N	0.007 W (ERP)	
23.6-24.25 GHz	MO	N0N	0.007 W (ERP)	
24.45-25.05 GHz	MO	N0N	0.007 W (ERP)	
25.25-26 GHz	MO	N0N	0.007 W (ERP)	

MOBILE: Merrimack, HILLSBOROUGH, NH, within 2 km, centered around NL 42-48-39; WL 71-29-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
0.85 MHz	MO	N0N	0.061 W (ERP)	
0.9 MHz	MO	N0N	0.061 W (ERP)	
0.95 MHz	MO	N0N	0.061 W (ERP)	
1 MHz	MO	N0N	0.061 W (ERP)	
1.5 MHz	MO	N0N	0.061 W (ERP)	

Frequency Information

MOBILE: Merrimack, HILLSBOROUGH, NH, within 2 km, centered around NL 42-48-39; WL 71-29-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
75.2-108 MHz	MO	N0N 25K0F3D	5 W (ERP)	
153.4 MHz	MO	N0N 25K0F3D	5 W (ERP)	
472.225 MHz	MO	N0N 25K0F3D	5 W (ERP)	
476.95 MHz	MO	N0N 25K0F3D	5 W (ERP)	
481.725 MHz	MO	N0N 25K0F3D	5 W (ERP)	
486.525 MHz	MO	N0N 25K0F3D	5 W (ERP)	
491.4 MHz	MO	N0N 25K0F3D	5 W (ERP)	
496.3 MHz	MO	N0N 25K0F3D	5 W (ERP)	

Frequency Information

MOBILE: Merrimack, HILLSBOROUGH, NH, within 2 km, centered around NL 42-48-39; WL 71-29-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
500-932 MHz	MO	N0N 25K0F3D 300KG7W 300KGXW 100KF1D	10 W (ERP)	
700 MHz	MO	N0N	182 W (ERP)	
800 MHz	MO	N0N	182 W (ERP)	
900 MHz	MO	N0N	182 W (ERP)	
933-960 MHz	MO	N0N 300KG7W 300KGXW 25K0F3D	10 W (ERP)	
1400 MHz	MO	N0N	182 W (ERP)	
1900 MHz	MO	N0N	182 W (ERP)	
2000 MHz	MO	N0N	182 W (ERP)	

Frequency Information

MOBILE: Merrimack, HILLSBOROUGH, NH, within 2 km, centered around NL 42-48-39; WL 71-29-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
2100 MHz	MO	N0N	182 W (ERP)	
2200 MHz	MO	N0N	182 W (ERP)	
2500 MHz	MO	N0N	182 W (ERP)	
3250 MHz	MO	N0N	182 W (ERP)	
3500 MHz	MO	N0N	182 W (ERP)	
3700 MHz	MO	N0N	182 W (ERP)	
4000 MHz	MO	N0N	182 W (ERP)	
4200 MHz	MO	N0N	182 W (ERP)	
4300 MHz	MO	N0N	182 W (ERP)	
4400-5000 MHz	MO	N0N	10 W (ERP)	

Frequency Information

MOBILE: Merrimack, HILLSBOROUGH, NH, within 2 km, centered around NL 42-48-39; WL 71-29-19

Frequency	Station Class	Emission Designator	Authorized Power	Frequency Tolerance (+/-)
5250-6000 MHz	MO	N0N	10 W (ERP)	
5650-5925 MHz	MO	N0N	0.00398 W (ERP)	
10700-13100 MHz	MO	N0N 36M0G1F 500MFXN	0.5 W (ERP)	
13250-15700 MHz	MO	N0N	0.00398 W (ERP)	
16702-17700 MHz	MO	N0N	0.00398 W (ERP)	
19700-21200 MHz	MO	N0N	0.00398 W (ERP)	
24000 MHz	MO	N0N	0.5 W (ERP)	
24000-24250 MHz	MO	N0N	0.00398 W (ERP)	
24450-25050 MHz	MO	N0N	0.00398 W (ERP)	
25250-26000 MHz	MO	N0N	0.00398 W (ERP)	

Special Conditions:

- (1) Operation is subject to prior coordination with affected Educational Broadband Service/Broadband Radio Service (EBS/BRS) licensees.
- (2) Operation is subject to prior coordination with the Society of Broadcast Engineers, Inc. (SBE); ATTN: Executive Director; 9247 North Meridian Street, Suite 305; Indianapolis, IN 46260; telephone, (866) 632-4222; FAX, (317) 846-9120; e-mail, executivedir@sbe.org; information, www.sbe.org.
- (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) In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.
- (5) Licensee shall avoid using the following Educational Broadband Service (EBS) frequencies/frequency bands:
2500 MHz, 2533.6 MHz, 2536.225 MHz, 2586.95 MHz, and 2.655-2.7 GHz.
- (6) Operation is subject to coordination with Fixed Microwave licensees before operating on the following frequencies/frequency bands: 10700-13100 MHz, 9380-10550 MHz, 5250-6000 MHz, 4000-4200 MHz, 1900 MHz, 2000 MHz, 933-960 MHz, 2.9-4.2 GHz, 2100 MHz, 1863.55 MHz, 1890.945 MHz, 1909.965 MHz, 1918.724 MHz, 1929.975 MHz, and 809-928 MHz.
- (7) Licensee should get consent from Broadband Radio Service (BRS) licensees before operating on frequencies: 2638.675 MHz, 2609.6 MHz, and 2638.675 MHz.
- (8) Licensee should prior coordination with the existing and future Advance Wireless Services licensees (AWS) before operating on the frequencies:
1999.8 MHz, 2.15-2.16 GHz, 2000 MHz, 2100 MHz, 1918.724 MHz, and 1920 MHz.
- (9) Operation is subject to coordination with the local Society of Broadcast Engineers, Inc prior to utilizing Auxiliary Broadcasting Service frequencies/frequency bands:
75.2-108 MHz, 700 MHz, 800 MHz, 500-932 MHz, 164-173.6 MHz, 472.255 MHz, 2100 MHz, 153.4 MHz, 804.225 MHz, 773 MHz, 788.45 MHz, 794-800 MHz, 472.225 MHz, 476.95 MHz, 481.725 MHz, 486.525 MHz, 491.4 MHz, 496.3 MHz, 500 MHz, 508-614 MHz, 621.7 MHz, 626-632 MHz, 634.125 MHz, 646.825 MHz, 659.75 MHz, 662-668 MHz, 672.95 MHz, 686.4 MHz, 700.125 MHz, 714.125 MHz, 728.425 MHz, 734-740 MHz, 742.975 MHz, 757.85 MHz, 758-764 MHz, and 153.4 MHz.
- (10) The designated point-of-contact to terminate transmissions if interference occurs is Mr. Richard Bell, phone 603-318-6913 and Tracy Johnson, phone 603-689-8630.