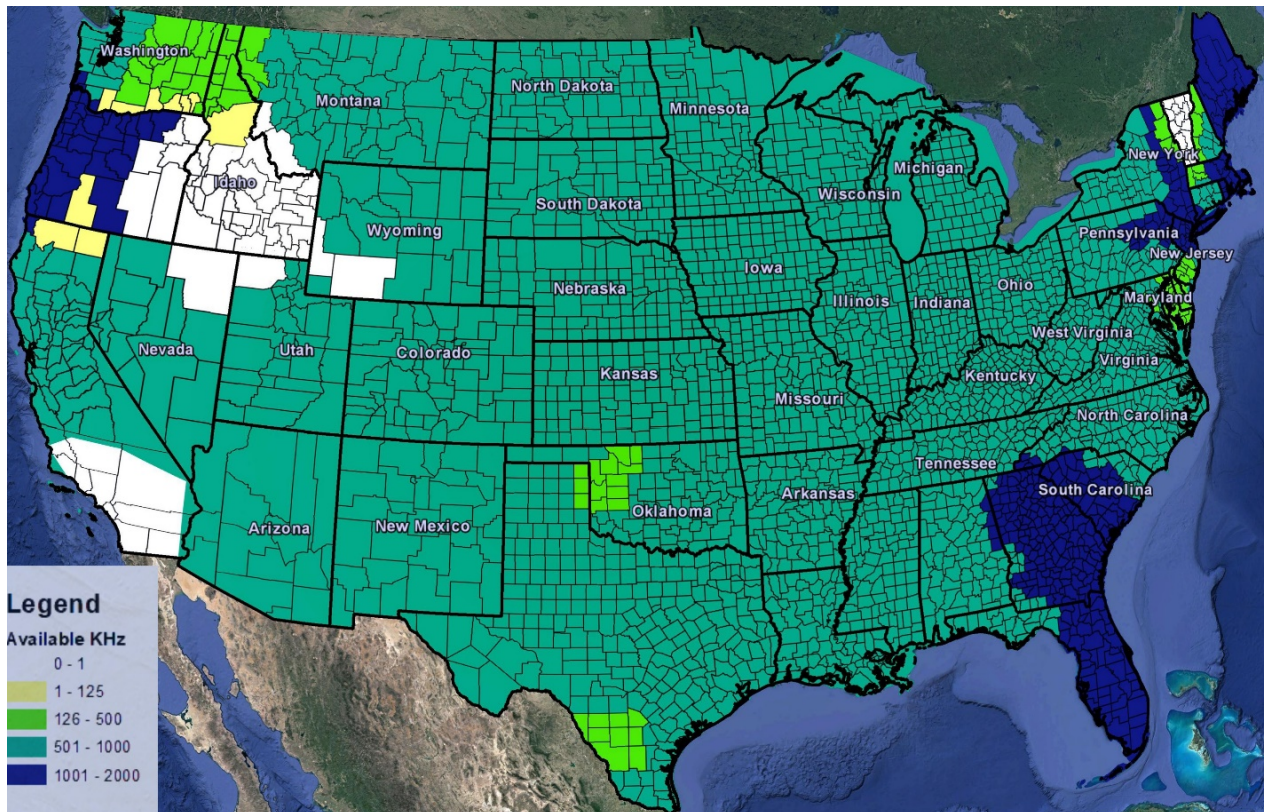


Wireless Spectrum Licenses in the AMTS (217-220 MHz) Band Ideal for Passenger and Freight Rail Applications Available Nearly Nationwide

Select Spectrum represents Susan L. Uecker and Associates, Receiver and manager of **Automated Maritime Telecommunications System “AMTS” (217-220 MHz) FCC licensed spectrum** of up to 2.0 MHz bandwidth. Coverage is presently available across virtually the entire United States, and the owners will partition the licenses geographically and spectrally to match buyer requirements. **Alstom Signaling Operation, Amtrak, GE Transportation Systems**, railway consortium **PTC-220** and additional passenger and freight railways have acquired AMTS and spectrum in 217-222 MHz bands for operations in Michigan, the Northeastern United States and other select areas.

Available AMTS license coverage is shown below:

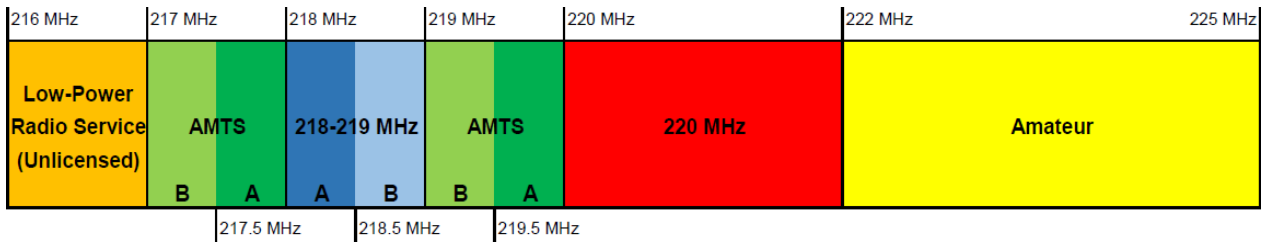


217-220 MHz spectrum has excellent propagation and can be used for a broad range of applications including fixed & mobile data, voice, and video. AMTS licenses are in use by and recommend for passenger and freight rail communications, Land Mobile Radio (LMR), Positive Train Control (PTC) and other train protection systems. PTC is Congressionally mandated with a deadline of December 31, 2018, with the possibility of an extension of two years.

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The Channel plan includes A and B blocks of 1 MHz each as shown below in green:



Originally set aside for Automated Maritime Telecommunications System services, AMTS spectrum provides for a wide variety of FCC approved land uses with support of throughput of 2 Mbps or more per license per site. The licenses are typically divided into 2 x 500 kHz blocks which can be used to separate uplink and downlink; the A Block is located between 217.5-218.0 MHz / 219.5-220.0 MHz and the B Block is located between 217.0-217.5 MHz / 219.0-219.5 MHz. The large frequency allocation and wideband channels afford greater flexibility in network design and use. Two-way transmission may be divided between remote and base frequencies or by time division on the same channel. The buyer may also divide the channels into narrower blocks such as 5 or 12.5 kHz.

AMTS spectrum can be used for broadcast or two-way; mobile or fixed; data, voice or video. Maximum downlink power is 1000 Watts ERP and maximum uplink power is 50 Watts ERP which provides for long range and high reliability. Networks may employ point-to-point, point-multipoint (tall site) and/or cellular architectures.

Equipment for the band is made by Meteorcomm <http://meteorcomm.com>, Full Spectrum www.fullspectrumnet.com, 4RF www.4rf.com, GE MDS www.gedigitalenergy.com, XetaWave www.xetawave.com, Cambium <http://www.cambiumnetworks.com>, Alligator Communications www.alligatorcom.com, CalAmp <http://www.calamp.com>, and Tait Communications www.taitradio.com. The band is also compatible with a new IEEE wireless standard – 802.16s “GRIDMAN”. This high reliability standard is intended for use by utilities and other critical infrastructure operators. Most of the licenses are valid through 2025 when they may be renewed for a small administrative fee.

Basic information about key markets in the overall offering is shown below. In many locations, both the A and B channel block AMTS licenses are available for purchase:

Market Code	Market	Block	2016 POPs	2016 MHz POPs	Market Code	Market	Block	2016 POPs	2016 MHz POPs
AMT001	North Atlantic	A	38,315,187	35,942,776	AMT007	North Pacific	A	4,558,147	4,558,147
AMT001	North Atlantic	B	33,520,549	30,556,886	AMT007	North Pacific	B	11,586,724	5,762,908
AMT002	Mid-Atlantic	B	36,610,879	31,947,661	AMT008	Hawaii	A	1,697,644	1,697,644
AMT003	South Atlantic	A	36,567,520	36,567,520	AMT008	Hawaii	B	1,697,644	1,697,644
AMT003	South Atlantic	B	36,567,520	36,567,520	AMT009	Alaska	A	741,894	741,894
AMT004	Mississippi River	B	96,710,276	96,479,230	AMT009	Alaska	B	741,894	741,894
AMT005	Great Lakes	B	37,413,168	37,219,195	AMT010	Mountains	B	25,695,239	25,614,119
AMT006	South Pacific	B	15,628,729	15,515,830	Total	10 Markets	A/B	300,967,260	361,446,858

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