

87 108 Mhz Meaning

List of WLAN channels

Radio Management in the 2400 MHz, 5100 MHz and 5800 MHz Frequency Bands] (in Chinese). "????
??? ???,???????????? ?2019-87?, 2019. 10. 18" [Korea Frequency

Wireless LAN (WLAN) channels are frequently accessed using IEEE 802.11 protocols. The 802.11 standard provides several radio frequency bands for use in Wi-Fi communications, each divided into a multitude of channels numbered at 5 MHz spacing (except in the 45/60 GHz band, where they are 0.54/1.08/2.16 GHz apart) between the centre frequency of the channel. The standards allow for channels to be bonded together into wider channels for faster throughput.

WENZ

station switched to the then-popular Disco format and took the moniker "Disco 108 WDMT." By 1978, WDMT evolved to a hybrid CHR/Urban Contemporary format, also

WENZ (107.9 FM) is a commercial mainstream urban radio station licensed to Cleveland, Ohio, serving Greater Cleveland and much of surrounding Northeast Ohio. The station is owned by Urban One since 1999, its studios are located on Oak Tree Blvd in the former iHeartMedia facility and studios in Independence, Ohio, while the station transmitter resides in Russell Township in Geauga County. Besides a standard analog transmission, WENZ broadcasts over two HD Radio channels, and is available online. WENZ was the official first Hip-Hop urban contemporary radio station in the market in the city Cleveland, Ohio.

WFIU

application specified 42.9 MHz; after the FM band was changed to 88–108 MHz in 1945, IU amended its proposal to specify 91.9 MHz, in the noncommercial reserved

WFIU (103.7 FM) is a public radio station broadcasting from Indiana University Bloomington (IUB) in Bloomington, Indiana, United States. The station is a member station of NPR, Public Radio International and American Public Media. Together with IUB-owned television station WTIU (channel 30), it is known as Indiana Public Media. Studios are located in the Radio-Television Building on the IUB campus, and the transmitter is located at a site on South Sare Road in Bloomington. Seven translators broadcast WFIU and its second HD Radio subchannel, primarily in areas outside of the main transmitter's coverage area, including Terre Haute and Kokomo.

WFIU was established in 1950 and initially served as a training ground for IUB students. It moved to its present frequency in 1951 and was one of NPR's charter members.

WASH (FM)

to move to a new band from 88 to 106 MHz, which was later expanded to 88–108 MHz. W3XL, transmitting on 98.9 MHz, was one of the first stations to broadcast

WASH (97.1 MHz) is a commercial FM radio station owned and operated by iHeartMedia and located in Washington, D.C. Known on-air as "WASH-FM", the station airs an adult contemporary radio format. Studios and offices are on Rockville Pike (Maryland Route 355) in Rockville, Maryland. The station has an effective radiated power (ERP) of 17,500 watts, broadcasting from a tower at 242 metres (794 ft) in height above average terrain (HAAT). The transmitter site is on Chesapeake Street NW off Wisconsin Avenue in the Tenleytown neighborhood of Washington, D.C. With a good radio, WASH coverage extends from

Baltimore to Fredericksburg, Virginia.

WASH broadcasts using HD Radio technology. Its HD2 digital subchannel carries the Air1 contemporary Christian music channel from the Educational Media Foundation, and its HD3 subchannel formerly carried iHeartRadio's "The Breeze" Soft AC format. WASH streams its programming on the iHeartRadio platform.

Weekdays begin with the Toby & Chilli morning show, followed by Jenni Chase in middays and Sabrina Conte in afternoons. In the evening, WASH carries the syndicated Delilah show, featuring music requests and call-ins. Weekends include the syndicated Ellen K Show and Back Trax USA with Kid Kelly. For much of November and December, the station switches to Christmas music (as well as on July 25 for "Christmas in July") and calls itself "Washington's Home For The Holidays" during the holiday season.

Radio spectrum

introduction of FM broadcasting. Airband refers to VHF frequencies 108 to 137 MHz, used for navigation and voice communication with aircraft. Trans-oceanic

The radio spectrum is the part of the electromagnetic spectrum with frequencies from 3 KHz to 3,000 GHz (3 THz). Electromagnetic waves in this frequency range, called radio waves, are widely used in modern technology, particularly in telecommunication. To prevent interference between different users, the generation and transmission of radio waves is strictly regulated by national laws, coordinated by an international body, the International Telecommunication Union (ITU).

Different parts of the radio spectrum are allocated by the ITU for different radio transmission technologies and applications; some 40 radiocommunication services are defined in the ITU's Radio Regulations (RR). In some cases, parts of the radio spectrum are sold or licensed to operators of private radio transmission services (for example, cellular telephone operators or broadcast television stations). Ranges of allocated frequencies are often referred to by their provisioned use (for example, cellular spectrum or television spectrum). Because it is a fixed resource which is in demand by an increasing number of users, the radio spectrum has become increasingly congested in recent decades, and the need to utilize it more effectively is driving modern telecommunications innovations such as trunked radio systems, spread spectrum, ultra-wideband, frequency reuse, dynamic spectrum management, frequency pooling, and cognitive radio.

WCKL (FM)

the new 88-108 MHz FM broadcast band, which the FCC had created on June 27, 1945. On July 31, 1946, the station was reassigned to 100.1 MHz, and then granted

WCKL (97.9 MHz) is a non-commercial FM radio station licensed to Chicago, Illinois, featuring a Christian contemporary format via the K-Love network. Owned and operated by Educational Media Foundation (EMF), WCKL serves the Chicago metro area with a transmitter located atop the John Hancock Center.

One of the oldest surviving FM stations in Chicago, this station signed on the air on April 7, 1942, as W83C. Throughout the station's early existence, it changed callsigns, formats and owners before relaunching itself on March 14, 1977, as WLUP "97.9 The Loop", a nod to the Chicago Loop. As WLUP, the station aired various formats ranging from classic rock, pop rock, pop alternative, and adult alternative formats. It changed ownership several times before being sold to Merlin Media in 2011 and subsequently entered a local marketing agreement (LMA) with Cumulus Media in 2014. This LMA was terminated after Cumulus entered into bankruptcy proceedings, prompting Merlin Media to sell the station to EMF, which relaunched the station as part of the K-Love network on March 10, 2018. The classic rock format and "Loop" branding was retained on the second HD subchannel of WKQX.

In addition to a standard analog transmission, WCKL broadcasts over four HD subchannels and is available online. WCKL-HD2 carries Air1 programming, WCKL-HD3 carries "Boost Radio" Christian hip hop and

WCKL-HD4 features Radio Nueva Vida programming.

Gyromagnetic ratio

$\gamma_e = \frac{g_e \mu_B \hbar}{2 m_e c} = 28024.9513861(87) \text{ MHz/T}$ The electron gyromagnetic ratio γ (and its g -factor g_e) are in excellent

In physics, the gyromagnetic ratio (also sometimes known as the magnetogyric ratio in other disciplines) of a particle or system is the ratio of its magnetic moment to its angular momentum, and it is often denoted by the symbol γ , gamma. Its SI unit is the reciprocal second per tesla (s⁻¹T⁻¹) or, equivalently, the coulomb per kilogram (C/kg).

The g -factor of a particle is a related dimensionless value of the system, derived as the ratio of its gyromagnetic ratio to that which would be classically expected from a rigid body of which the mass and charge are distributed identically, and for which total mass and charge are the same as that of the system.

List of Nvidia graphics processing units

$$\text{clock (MHz)} \times 1000 \times \frac{\text{Gflops}}{\text{clock (MHz)}} = \frac{\text{PixelShader} \times 12 + \text{VertexShader} \times 8}{\text{clock (MHz)}} \times 1000$$

This list contains general information about graphics processing units (GPUs) and video cards from Nvidia, based on official specifications. In addition some Nvidia motherboards come with integrated onboard GPUs. Limited/special/collectors' editions or AIB versions are not included.

WZOR

in the FCC Licensing and Management System WZOR in Nielsen Audio's FM station database
44°20'31"N 87°47'10"W / 44.342°N 87.786°W / 44.342; -87.786

WZOR (94.7 FM) is a commercial radio station serving the Green Bay, Fox Cities and lakeshore areas of Northeastern Wisconsin. The station is licensed to the Manitowoc County community of Mishicot, Wisconsin, and airs an active rock music format as "Razor 94.7 & 104.7". WZOR's studios are located on College Avenue in Appleton, while its transmitter is located near Denmark.

Digital Audio Broadcasting

availability of 102 FM channels at a bandwidth of 0.2 MHz over the Band II spectrum of 87.5 to 108.0 MHz, an average of $102/15 = 6.8$ radio channels are possible

Digital Audio Broadcasting (DAB) is a digital radio standard for broadcasting digital audio radio services in many countries around the world, defined, supported, marketed and promoted by the WorldDAB organization. The standard is dominant in Europe and is also used in Australia, and in parts of Africa and as of 2025, 55 countries are actively running DAB broadcasts as an alternative platform to analogue FM.

DAB was the result of a European research project and first publicly rolled out in 1995, with consumer-grade DAB receivers appearing at the start of this millennium. Initially it was expected in many countries that existing FM services would switch over to DAB, although the take-up of DAB has been much slower than expected. In 2023, Norway became the first country to have implemented a national FM radio switch-off, with Switzerland to follow in 2026 and others territories in the process of planning a switch-off. Terrestrial digital radio has become a requirement for all new cars (not buses and trucks) sold in the EU since 2021.

The original version of DAB used the MP2 audio codec; an upgraded version of the system was later developed and released named DAB+ which uses the HE-AAC v2 (AAC+) audio codec and is more robust

and efficient. DAB is not forward compatible with DAB+. Today the majority of DAB broadcasts around the world are using the upgraded DAB+ standard, with only the UK still using a significant number of legacy DAB broadcasts.

DAB is generally more efficient in its use of spectrum than analogue FM radio, and thus can offer more radio services for the same given bandwidth. The broadcaster can select any desired sound quality, from high-fidelity signals for music to low-fidelity signals for talk radio, in which case the sound quality can be noticeably inferior to analog FM. High-fidelity equates to a high bit rate and higher transmission cost. DAB is more robust with regard to noise and multipath fading for mobile listening, although DAB reception quality degrades rapidly when the signal strength falls below a critical threshold (as is normal for digital broadcasts), whereas FM reception quality degrades slowly with the decreasing signal, providing more effective coverage over a larger area. DAB+ is a "green" platform and can bring up to 85 percent energy consumption savings compared to FM broadcasting (but analog tuners are more efficient than digital ones, and DRM+ has been recommended for small scale transmissions).

Similar terrestrial digital radio standards are HD Radio, ISDB-Tb, DRM, and the related DMB. Also 5G Broadcast is developing globally for radio and television broadcasting. This system will for the first time enable digital terrestrial radio reception also in smartphones.

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