W5DSC Victoria Amateur Radio Club Repeaters

The Victoria Amateur Radio Club (VARC) operates five repeaters under the club call sign of W5DSC. These repeaters have good Victoria county wide coverage, unless noted otherwise. VARC members also monitor 146.52 simplex.

1. VHF 145.130 MHz:
   Digitally linked with Calhoun and DeWitt counties
   FM Analog - Tone 103.5 Hz (Encode & Decode)
   Fusion Digital - DG-Id 00/00, Hosts Room 45155
   WIRES-X connected to W5DSC Room 45155
   Caretaker: KG5JWX Backup: WT0B

2. VHF 145.190 MHz:
   Wide Area
   FM Analog - Tone 103.5 Hz (Encode & Decode)
   EchoLink "W5DSC-R" Node 857952
   Caretaker: WT0B Backup: KE5SDW

3. UHF 443.350 MHz:
   Digitally linked with Calhoun and DeWitt counties
   FM Analog - Tone 103.5 Hz (Encode & Decode)
   HRI-200 WIRES-X Interface, No Room is Hosted
   WIRES-X connected to W5DSC Room 45155
   Caretaker: KE5SDW Backup: WT0B

4. UHF 443.800 MHz:
   Digitally linked with SADRC TX regional network
   FM Analog - Tone 103.5 Hz (Encode & Decode)
   Fusion Digital - DG-Id 00/00, No Room is Hosted
   WIRES-X connected to WS5DRC Room 40324
   Caretaker: WT0B Backup: KG5JWX

5. UHF 444.325 MHz:
   Solid Victoria county wide coverage
   FM Analog - Tone 103.5 Hz (Encode & Decode)
   AllStar non-linked controller
   Caretaker: KI5PG Backup: KJ5HMQ

Victoria Amateur Radio Club (VARC) license W5DSC trustee is WT0B.

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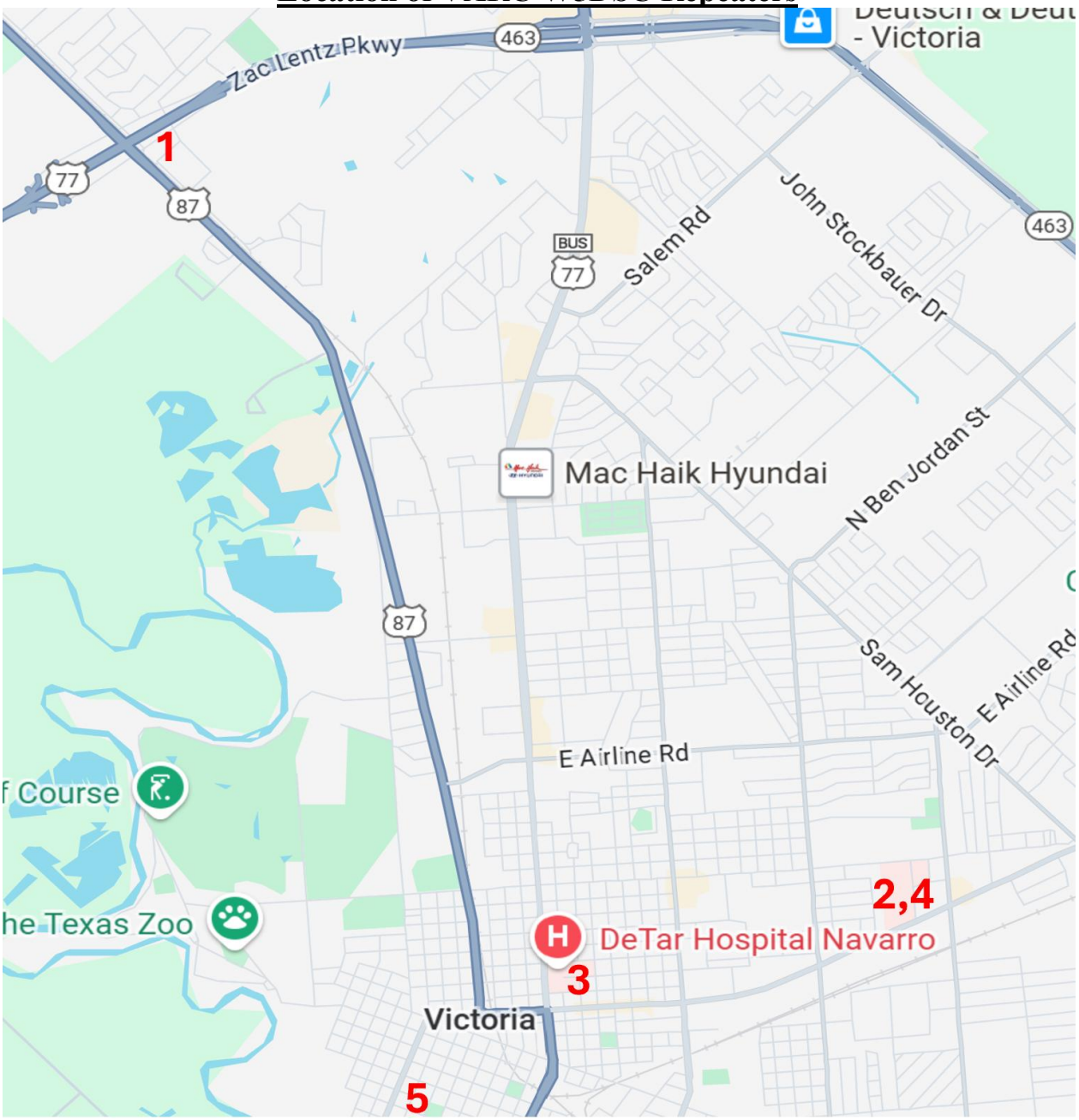
Location of VARC W5DSC Repeaters



1.	VHF 145.130 MHz:	Digitally linked with Calhoun and DeWitt counties
2.	VHF 145.190 MHz:	Wide Area, EchoLink "W5DSC-R" Node 857952
3.	UHF 443.350 MHz:	Digitally linked with Calhoun and DeWitt counties
4.	UHF 443.800 MHz:	Digitally linked with SADRC TX regional network
5.	UHF 444.325 MHz:	Solid Victoria county wide coverage

Last updated 2025 NOV 14th

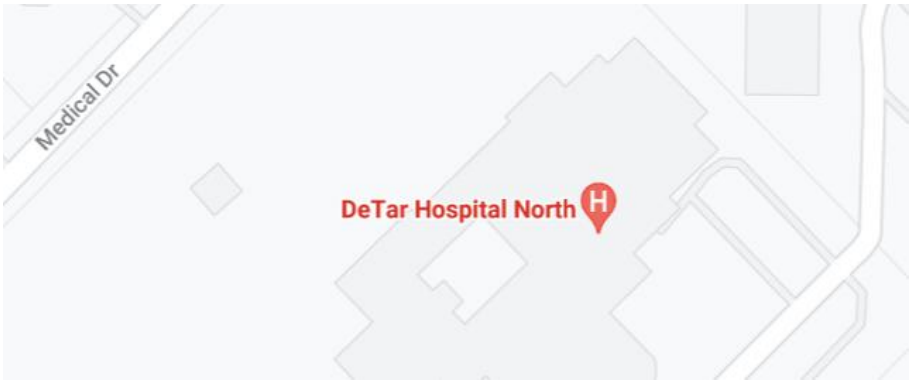
W5DSC Victoria Amateur Radio Club Repeaters

1. 145.130 MHz: **Digitally linked with Calhoun and DeWitt counties**
FM Analog - Tone 103.5 Hz (Encode & Decode)
Fusion Digital - DG-Id 00/00, Hosts Room 45155
WIRES-X connected to W5DSC Room 45155

Purpose: The 145.130 MHz repeater provides analog and Fusion digital, wide-area, critical emergency communications, as well as public service and daily ham communications. It is the weekly net backup repeater if the 145.19 repeater is not available. An HRI-200 provides a WIRES-X digital conference room on this repeater. The effective communication radius is about 25 miles to a 50-watt mobile station, providing good Victoria county wide coverage.

Location: The repeater is located at Detar Hospital North (DHN), which provides a secure, accessible, weather protected and temperature-controlled environment, with emergency power. Position: 28.85435, -97.01959

GRND MSL: 33M, Bldg. Hgt.: 18M, Twr. Hgt.: 9M, Ant Base MSL: 60M



Equipment - Primary: The repeater, including controller, is a Yaesu Fusion DR2, running in AMS (Automatic Mode Selection) mode which permits analog and C4FM Fusion digital communications. Transmit/Receive frequency separation is provided by a Wacom WP-641 (4 ea. 8" O.D. cavities) VHF duplexer. The repeater is capable of 50 watts on high power but is normally operated with mid-power setting of 20 watts. This repeater was purchased in January 2024 directly from Yaesu. A Dell Windows 10 computer running WIRES-X and UltraViewer, provides the internet linking and conference room capabilities.

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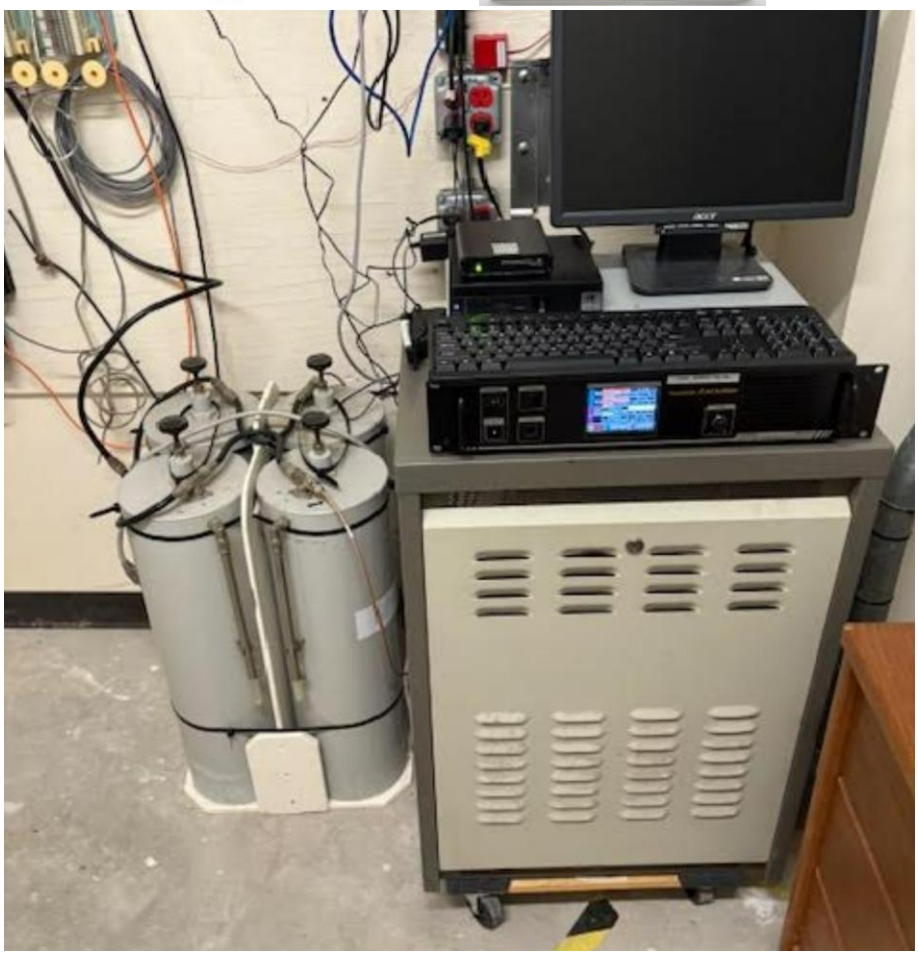
Equipment - Backup: The backup repeater is made from a GE exec II radio and it has a GE continuous duty PA which outputs around 65 watts. The Controller is Connect Systems Inc, (CSI) CS800. It is analog only.

Antenna System: The antenna is a commercial VHF DB224 cut for the ham bands, at the top of a 30' tower, with the tower base on top of the fourth floor, providing an above sea level height of about 167' and the antenna base altitude above sea level is about 197 feet. The feedline is hardline coax. The was installed in April 2024.

VHF 145.130 MHz Photo(s)

DR-2X



W5DSC Victoria Amateur Radio Club Repeaters

2. VHF 145.190 MHz: Wide Area
FM Analog - Tone 103.5 Hz (Encode & Decode)
EchoLink "W5DSC-R" Node 857952

Purpose: The 145.190 MHz repeater is the flagship repeater on the Victoria Amateur Radio Club providing wide-area, critical emergency communications, as well as public service events such the Texas Water Safari race, and daily ham communications. It is the primary repeater for weekly combined nets for the Victoria Amateur Radio Club and the Coleto Creek Amateur Radio Club. The effective communication radius is about 32 miles to a 50-watt mobile station.

Location: The repeater is located at Citizens Medical Center (CMC) hospital, which provides a secure, accessible, weather-protected and temperature-controlled environment, with emergency power. Position: 28.812804, -96.977765

GRND MSL: 29M, Bldg. Hgt.: 30M, Twr. Hgt.: 32M, Ant MSL: 91M

Equipment - Primary: The repeater is made from a General Electric Mastr II base station repeater. It has a power output of about 100 watts. The Controller is a hybrid of a GE Mastr II controller combined with a CAT 300DX controller. Transmit/Receive frequency separation is provided by a Wacom WP-639 (4 ea. 5" O.D. cavities) VHF Duplexer.

The EchoLink connectivity is provided by a RF-Link comprised of an Alinco DR-135T transceiver with a DMK Engineering 9170 interface with a Dell Windows 11 laptop running WIRES-X, and UltraViewer.

Equipment - Backup: The club also maintains a complete backup repeater at CMC, made from two GE MVS mobile radios which can easily be swapped out with the primary Master II repeater when needed. The MVS repeater has a power output of about 25 watts. The Controller is a John Bell, Model AP4800.

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Transmit/Receive frequency separation is provided by a Sinclair Radio Laboratories model 0202G VHF Duplexer on loan to VARC from W2RJB

Antenna System: The receive antenna is a commercial DB224 at the top of a 100’ tower, with the tower base on top of CMC’s seventh floor, providing an above ground height of about 200’ and antenna altitude above sea level of about 300 feet. The feedline is hardline coax. The transmit antenna is a Diamond X500 Dual Band with the base at 80’ on the tower.

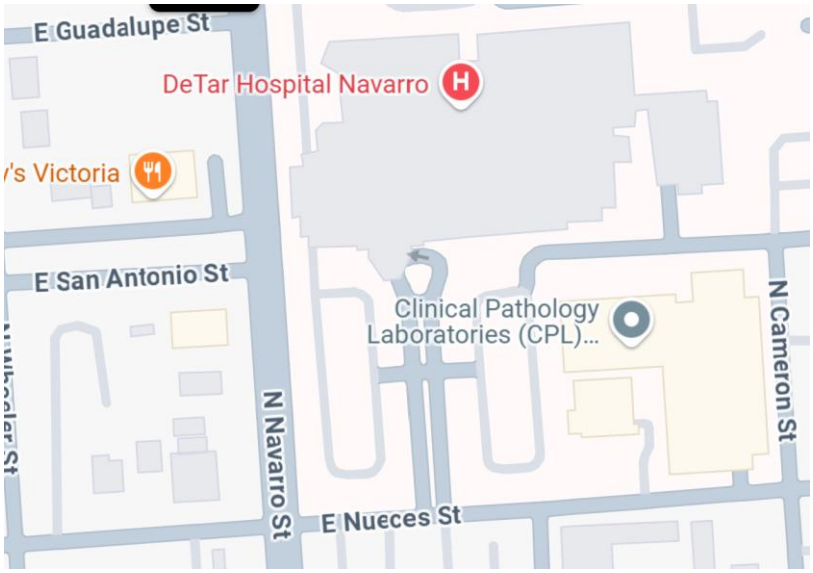
VHF 145.190 MHz Photo(s)

W5DSC Victoria Amateur Radio Club Repeaters

3. UHF 443.350 MHz: Digitally linked with Calhoun and DeWitt counties
FM Analog - Tone 103.5 Hz (Encode & Decode)
HRI-200 WIRES-X Interface, No Room is Hosted
WIRES-X connected to W5DSC Room 45155

Purpose: The 443.350 MHz analog repeater is general purpose UHF system. The effective communication radius is about a 25-mile radius to a 50-watt mobile station, providing good Victoria county wide coverage.

Location: The repeater is located at Detar-Navarro campus hospital, in a secure, accessible, weather protected and temperature-controlled environment, with emergency power.



Equipment - Primary: The repeater, including controller, is a Yaesu Fusion DR2, running in AMS (Automatic Mode Selection) mode which permits analog and C4FM Fusion digital communications. Transmit/Receive frequency separation is provided by a Bridgecom BCD-440 UHF Mobile-Type Duplexer.

The repeater is capable of 50 watts on high power but is normally operated with mid-power setting of 20 watts. This repeater was purchased used (very lightly), in July 2025. A Yaesu HRI-200 internet link accessory, and a Dell Windows 11 laptop running WIRES-X, and UltraViewer, provide the internet linking and conference room capabilities. The conference room (#04664) is not active and is not to be used. It is a byproduct of the Yaesu HRI-200 internet WIRES-X linking device which enables this repeater to be part of the W5DSC conference room

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#45155, which is linked to by a few Lower Guadalupe River Clubs' Repeaters. Hams wanting to connect to this room should directly connect to #45155.

Equipment - Backup: The BridgeCom BCR-40U repeater is the backup, or a PDN Access Point can be temporarily installed while repairs are made.

Antenna System: The antenna is a dual-band Diamond X510, mounted on an aluminum pole, which extends eight feet above a supporting seven-foot-tall metal stand, on top of the 5-story hospital building. The roof elevation is about 204 feet and the base of the antenna is 219 feet.

UHF 444.350 MHz Photo

Last updated 2025 NOV 14th

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4. UHF 443.800 MHz: FM Analog -Tone 103.5 Hz (Encode & Decode)

Fusion Digital - DG-Id 00/00, local Room-Not Active
WIRES-X connected to WS5DRC Room 40324

Purpose: The 443.800 MHz repeater provides analog and Fusion digital, UHF wide-area, critical emergency communications, as well as public service and daily ham communications. The effective range of communication is about the same as the 145.19 repeater. It is digitally linked via WIRES-X to the San Antonio Digital Radio Club (SADRC) digital repeater network.

Location: The repeater is located at Citizens Medical Center (CMC) hospital, which provides a secure, accessible, weather protected and temperature-controlled environment, with emergency power. Position: 28.812804, -96.977765

GRND MSL: 29M, Bldg. Hgt.: 30M, Twr. Hgt.: 26M, Ant MSL: 85M

Equipment - Primary: The repeater, including controller, is a Yaesu Fusion DR2, running in AMS (Automatic Mode Selection) mode which permits analog and C4FM Fusion digital communications. Transmit/Receive frequency separation is provided by a ?? UHF duplexer. The repeater is capable of 50 watts on high power but is normally operated with mid-power setting of 20 watts. This repeater was purchased in April 2024 directly from Yaesu. A Yaesu HRI-200 internet WIRES-X link accessory, and a Dell Windows 10 computer running WIRES-X, UltraViewer, and VyprVPN, provide the internet linking and conference room capabilities. The conference room (#04664) is not active and is not to be used. It is a byproduct of the Yaesu HRI-200 internet linking device which enables this repeater to be part of the San Antonio Digital Radio Club Fusion network. Hams wanting to connect to SADRC should do so directly with the SADRC conference room number listed on the SADRC website.

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Equipment - Backup: A PDN Access Point can be temporarily installed while repairs are made.

Antenna System: The antenna is a commercial UHF antenna up 80’ on the 100’ tower, with the tower base on top of CMC’s seventh floor, providing an above ground height of about 180’ and antenna altitude above sea level of about 280 feet. The feedline is a hardline coax.

UHF 443.800 MHz Photo(s)

DR-2X

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5. UHF 444.325 MHz: FM Analog - Tone 103.5 Hz (Encode & Decode) AllStar non-linked controller

Purpose: The 444.325 MHz VARC repeaters began service in Spring of 2021. This repeater is our experimental repeater for testing new or different technologies, in addition to handling public service and daily ham communications. The effective communication radius is about 29 miles to a 50-watt mobile station.

Location: The repeater is located on the Victoria County Sheriff Office (VCSO) tower, which provides a secure, accessible, weather protected and temperature-controlled environment, with emergency power. (It is on the same tower as the Sheriff's office communications.) Position: 28-48-00.8 N, 97-00-31.1 W

GRND MSL: 27M, Bldg. Hgt.: N/A, Twr. Hgt.: 59M, Ant MSL: 86M

ASR Registration Search

Registration 1276901

New Search | Printable Page | Reference Copy | Map Registration

Registration Detail			
Reg Number	1276901	Status	Constructed
File Number	A0746256	Constructed	04/15/2011
EMI	No	Dismantled	
NEPA	No		
Antenna Structure			
Structure Type	POLE - Any type of Pole		
Location (in NAD83 Coordinates - Convert to NAD27)			
Lat/Long	28-48-00.8 N 097-00-31.1 W	Address	101 N GLASS STREET
City, State	VICTORIA , TX		
Zip	77901	County	VICTORIA
Center of AM Array		Position of Tower in Array	
Heights (meters)			
Elevation of Site Above Mean Sea Level		Overall Height Above Ground (AGL)	
27.1		59.4	
Overall Height Above Mean Sea Level		Overall Height Above Ground w/o Appurtenances	
86.5		59.4	

Equipment - Primary: The repeater is made from two Motorola CDM1550 mobile radios which outputs around 35 watts. The Controller is a Raspberry Pi 3B+ with a Master Communications Model RA-40 interface board running All Star Link (ASL) software. Transmit/Receive frequency separation is provided by a CELWAVE UHF duplexer. As this is an experimental repeater, the components may change more frequently than the other repeaters.

Equipment - Backup: The BridgeCom BCR-40U repeater is the backup.

Antenna System: The antenna is a Diamond X50A at the top of a 150' tower, with the tower based on the ground and antenna altitude above sea level of about 250 feet. The feedline is 9913 coax.

W5DSC Victoria Amateur Radio Club Repeaters

UHF 444.325 MHz Photos

Last updated 2025 NOV 14th