

SERCAP PROPAGATION REPORT (EROC 9)

- RESULTS OF TESTING UPDATED THROUGH 12 / 7 / 2023.

K6PDS VL F1

In the right column (red background) appears the summary from the FMT ROMEO SERCAP PROP REPORT 2023 12 07. It shows the results of propagation testing updated through the 12/7/2023 net practice. The Full Report is at this [link: SERCAP Propagation Report \(All Stn Matrix\) 12/7/2023 FMT Romeo SER Cap Prop http://www.shastadefense.com/FmtROMEO-SERCAP%20Q5-Q1%20Summary%20PROPOGATION%201013%2012%2007%20REPTING%20%20ONLY.pdf](http://www.shastadefense.com/FmtROMEO-SERCAP%20Q5-Q1%20Summary%20PROPOGATION%201013%2012%2007%20REPTING%20%20ONLY.pdf)

Observations:

1. 19 stations have recently reported, and their summary results are shown at the right. LOOK UP YOUR Q Readability Score for your “All Station Averages” for “RECEIVE” AND “TRANSMIT” IN THE RIGHT COLUMNS APPEARING IN RED.

The Highest readability is Q5 – “Perfectly Readable”. Our Minimum goal is readability of Q4 – “Readable with practically no difficulty”. A Q3 means “Readable with considerable difficulty”. Stations with scores lower than Q4 need to improve their ability to **Hear others** and **be Heard by others**. In this regard, stations that do not have outside antennas above the roof line will reduce the overall propagation averages for the entire Team. For example, if your “receive” is Q4 for a specific station, your copy of that other station is “Readable with practically no difficulty”. If your “transmit” is Q2 for another station, then that station could barely read you, with only occasional words distinguishable. Your “AVERAGE” RECEIVE is merely how you Heard on average ALL other Stations. Your “AVERAGE TRANSMIT” is merely how ALL other stations on average heard you. These are approximate averages and reflect the fact that a station may have “great” propagation, but those other radios with small antennas inside homes don’t “hear” the “great” station very well so its score is reduced on average. This information is useful because it should help us focus on (and help) those stations needing assistance in improving their antennas and /or other elements of their communications equipment. We are working to improve our communications system among and between ALL stations.

2. 11 stations have not provided reports. They are not included because including them distorts the propagation report information.

3. In the event of an emergency (e.g., phone communication failure..., Medical, Forest Fire...) you CAN NOT rely on the highest rated stations to be present. They may be out of the area. That is why we want to have ALL stations seek to achieve good receive and transmit readability scores. You don’t know who will be available during an emergency. If only a few stations with poor performance are available, then communications would be extremely difficult (if not impossible) and you had better be very good and efficient at relays.

	MAX	Q 5
	MIN	
	GOAL	Q 4
	RX Q	TX Q
	Your stn average RECEIVE Q READABILITY. HOW YOU HEARD OTHER STNS.	Your stn average TRANSMIT Q READABILITY. HOW OTHER STNS HEARD YOU.
B1	3.44444	3.33333
B6	2.27778	2.16667
C6	2.44444	2.61111
E1	0	0
E4	2.77778	1.11111
F1	4.77778	5
F7	3.72222	3.27778
F2	0	0
F8	0	0
F14	2.77778	3.11111
G7	1.33333	3.55556
I1	3.38889	2.72222
L3	0	0
L4	0	0
L9	2.72222	2.33333
L10	2.72222	2.33333
S1	4.55556	4.94444
S2	4.55556	4.94444
S3	2.16667	2.61111
S6	0	0
S7	0	0
T10	0	0
LH	1.27778	1.55556
MW1	1.88889	0.22222
MW2	0	0
MW3	1.5	2.5
MW4	0	0
RA	0	0
SL	1.5	1.5
PIZZ	1.16667	1.16667

4. SERCAP presently extends from Midway (on the West) to Starlite (on the East). This is a distance of approximately 13+ miles. And, Long Hollow is about 1.6 miles North of the Village (from Highway 44). Plus, we have the Ham Repeater which extends over a very wide area. If you are in the Village, do you care about reports from Starlite, Midway, or Long Hollow?

How about an emergency smoke column report from Highway 44 and Millville Plains [on EROC 55 or EROC 58 (EROC 13)]? We shouldn't wait for an emergency and then find ourselves saying – "I wish I had done that ...". To ignore the importance of such inter-area reporting is dangerous. Each of our antenna systems is critical.

5. Look at the report and ask, "if a Wild Fire started in Starlight could you hear the report? If a wildfire started in Midway, could you hear the report? ... Your answers are either "yes" or "no". Please refer to the **FMT ROMEO SERCAP PROP REPORT** ([link here](#) -

<http://www.shastadefense.com/FmtROMEO-SERCAP%20Q5-Q1%20Summary%20PROPOGATION%201013%2012%2007%20REPTING%20%20ONLY.pdf>) for specific station and area reports. If your response is that another station will hear the emergency, please recognize that such is a very dangerous gamble. We each need to be self reliant. The results show that we all need to work on our ability to hear others and be heard. Let's all work together to help each other improve.

6. It is IMPORTANT that when we schedule the next propagation testing that ALL stations report in and provide reports for every other station (this includes each of the individual Midway stations). This is the only way accurate information can be summarized. Also, stations should remain attentive to the ENTIRE NET until closed out by CONTROL. This applies to all nets. Our practice nets are only about 13 minutes, and that is only once per week. Also, staying until the end makes sure that an incident has not just started. Historically, we have had some Fire Net activations start at the end of our practice nets. Walking away may mean that you miss the information, or, you may be "that station" that was needed for an emergency radio relay, and you were not there. By analogy, in a sport, when a play is in process, Team members don't walk off the field. We are all part of the TEAM.

7. All of us can take pride in being part of an all volunteer community emergency communication system that works 24/7. This system has: conducted Fire Nets; Reported Fires by radio relay when communications were down; conducted smoke checks and provided information to Cal Fire; and provided Communications between neighbors when all other communications have failed, etc... . Simply put, we are part of a vital community service that provides substantive fact based disciplined reporting when other means of communication have totally failed.

8. Reporting in during each practice net is IMPORTANT because it keeps synergy up. Just listening doesn't help us or anyone actually improve or prepare for real emergencies.

9. Thank you to all of you who are helping with the Shingletown Emergency Radio Core Area Plan communication system. With your active participation we will continue to improve and grow.

Thank ou.

SERCAP
Shingletown Emergency Radio Core Area Plan
K6PDS VL F1 73