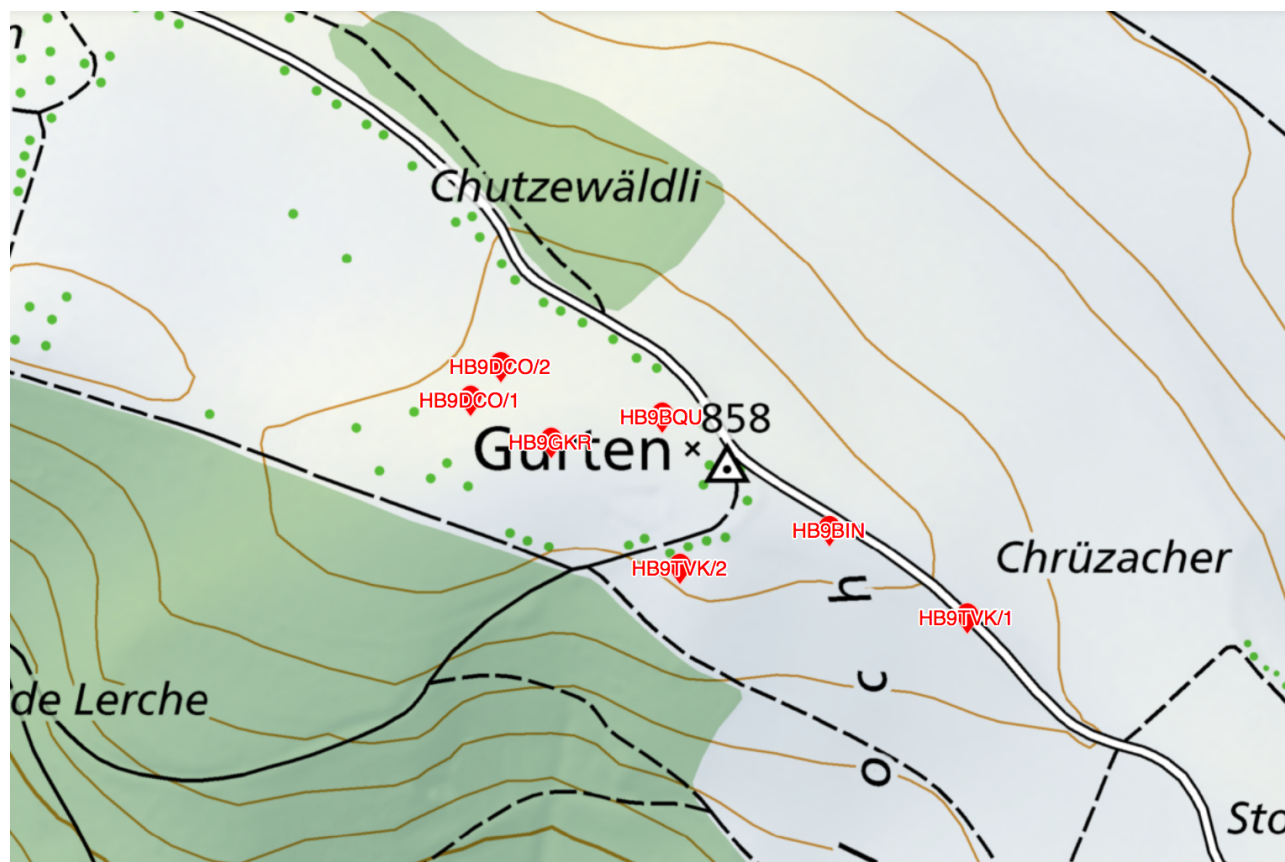


Situation



Detailed reports and data download

The following links may be used to access the detailed reports (including map display and statistics), and to download the raw data:

40m	https://neon1.net/sota/wsprviz2/?p=20170702_gurten_40m
20m	https://neon1.net/sota/wsprviz2/?p=20170702_gurten_20m
30m	https://neon1.net/sota/wsprviz2/?p=20170702_gurten_30m
60m	https://neon1.net/sota/wsprviz2/?p=20170702_gurten_60m

HB9BIN

Description

40/30/20m Linked EFHW

Apex ~ 9 m (Inverted V), HB9BCB coupler. Links in antenna wire opened for 30m; with KX3 ATU on 60m. Rig: KX3 (on 20m: Ultimate3S).

Results per band (difference to average of all antennas)

40m	20m	30m	60m
+3.4 dB	+3.2 dB	+1.9 dB	-0.5 dB

Photos



HB9BQU

Description

G5RV for 10-60m

2 x 11.66 m length, 75 Ohm feeder 7.3 m long, connected to 5 m RG58.

Rig: FT817, ATU: Elecraft T1. Height: 9 m Inverted Vee, ends 1.5 m above ground.

Results per band (difference to average of all antennas)

40m	20m	30m	60m
+2.8 dB	-2.9 dB	+0.5 dB	+4.7 dB

Photos



HB9DCO/1

Description

40/30/20m Trapped EFHW (according to HB9BCB design)

Mast 6 m (Inverted V), east-west, RG-174 (10 m), rig KX3, no ATU (except on 60m KX3 ATU), QRO coupler according to HB9BCB design (64:1)

Results per band (difference to average of all antennas)

40m	20m	30m	60m
+3.1 dB	+2.6 dB	0.0 dB	-2.6 dB

Photos



HB9DCO/2

Description

EARC End Fed 6-40m Multiband HF Antenna

Transformer: 9:1 (UNUN), length 9 m, mast: 6 m, RG-174: 10 m, KX3, 1.5:1

Results per band (difference to average of all antennas)

40m	20m	30m	60m
-14.0 dB	-6.5 dB	-6.6 dB	-15.0 dB

Photos



Remark from HB9DCO (translated)

“Important: height of both antennas designed for “high alpine” conditions (steep, windy, little space), safety first! => Signals will be weaker”

HB9GKR

Description

G8JNJ (modified SOTA version)

Mast 10 m, KX2 with ATU, 1:5 transformer, balun ~6 turns on small Amidon core, radiator: 6.5 m RG174 (shield only), extension: 10 m wire, radials: 4 x 10 m, feedline: ~6 m RG174
detailed description see www.hb9gkr.ch (web site under construction)
(direction 12:10-12:25z and 13:03-13:32z north, remaining time west)

Results per band (difference to average of all antennas)

40m	20m	30m	60m
-1.6 dB	+1.5 dB	+3.9 dB	+6.1 dB

Photos



HB9TVK/1

Description

Vertical with one radial

Radiator length 9.2 m, radial 5.1 m (laid on ground), 10 m mast (DX-Wire mini)
Tuned with ATU in KX3. SWR 1:1 except for 20m (2.5:1)

Results per band (difference to average of all antennas)

40m	20m	30m	60m
+3.2 dB	+2.3 dB	+2.6 dB	+4.3 dB

Photos



HB9TVK/2

Description

Fuchs antenna (Tuner kit by S52CQ)

Radiator length on 20/40m band: 20.3 m; radiator length on 30m band: 14.1 m

Inverted L (~ 5 m high). Rig KX3.

6 m Mast (from "Lambda Halbe")

Results per band (difference to average of all antennas)

40m	20m	30m	60m
+3.1 dB	-0.2 dB	-2.4 dB	not possible

Photos

