

## Results of the 2022 Field Day Contest – 2/3 December

VHF-UHF-SHF-EHF Contests, as administered by the Auckland VHF Group Inc; on behalf of all VHF groups, including all New Zealand radio amateurs and supported by NZART.

Overall Winner	Station	Points
	ZL1GSG	11631
	ZL2BKC	8653
	ZL2VS	7576
	ZL4AA	3585
	ZL3AC	3359
	ZL2BJK	1675
	ZL3RC	910
	ZL1EW	519
	ZL1DI	512
	ZL1X	276

Band winner	Station	Points
6 m (50 MHz)	ZL4AA	167
	ZL1GSG	100
	ZL2VS	88
	ZL3AC	14
	ZL3RC	14
	ZL3AC	12
	ZL1EW	8

Band winner	Station	Points
2 m (144 MHz)	ZL1GSG	2176
	ZL2BJK	937
	ZL3AC	830
	ZL4AA	719
	ZL2VS	553
	ZL1DI	461
	ZL1EW	288
	ZL3RC	260
	ZL1X	212
	ZL2BKC	127

Band winner	Station	Points
70 cm (432 MHz)	ZL4AA	1368
	ZL1GSG	842
	ZL2BJK	720
	ZL2VS	373
	ZL3RC	305
	ZL3AC	242
	ZL1EW	218
	ZL1X	64
	ZL2BKC	60
	ZL1DI	27

Band winner	Station	Points
23 cm (1296 MHz)	ZL4AA	1331
	ZL2VS	486
	ZL1GSG	355
	ZL3RC	331
	ZL2BKC	187
	ZL3AC	77
	ZL1DI	24
ZL1EW	5	

Band winner	Station	Points
12 cm (2400 MHz)	ZL1GSG	1354
	ZL12VS	1216
	ZL2BKC	848

Band winner	Station	Points
9 cm (3400 MHz)	ZL1GSG	2700
	ZL2VS	2430
	ZL2BKC	1302

Band winner	Station	Points
6 cm (5760 MHz)	ZL2BKC	1098
	ZL3AC	1098

Band winner	Station	Points
3 cm (10368 MHz)	ZL2BKC	3627
	ZL1GSG	2700
	ZL2VS	2430
	ZL3AC	1098

Band winner	Station	Points
1.2 cm (24048 MHz)	ZL2BKC	1404
	ZL1GSG	1404

Greatest DX	Stations	Distance
6 m	ZL3NW – ZL1GSG	514 km
2 m	ZL4AA – ZL1GSG	830 km
70 cm	ZL4AA – ZL1GSG	830 km
23 cm	ZL3JJ – ZL4AA	323 km
12 cm	ZL2BKC – ZL1GSG	195 km
9 cm	ZL2BKC – ZL1GSG	195 km
6 cm	ZL2BKC – ZL3AC	305 km
3 cm	ZL2BKC – ZL3AC	305 km
1.2 cm	ZL2BKC – ZL1GSG	195 km

#### Active Stations (62 in total)

ZL1AKW, Z1AVZ, ZL1AXG, ZL1BK, ZL1DI, ZL1EW, ZL1FV, ZL1GSG, ZL1HD, ZL1IU, ZL1PDT, ZL1RQ, ZL1TBG, ZL1THH, ZL1UET, ZL1X  
 ZL2ADL, ZL50ALW, ZL2BKC, ZL2CHAR, ZL2GAZ, ZL2GD, ZL2JBK, ZL2MF, ZL2SP, ZL2VS, ZL2YW  
 ZL3AC, ZL3ADC, ZL3AIC, ZL3AWB, ZL2BRG, ZL3CU, ZL3JJ, ZL3GAV, ZL3GM, ZL3NW, ZL3LM,  
 ZL3MH, ZL3ND, ZL3OY, ZL3OZ, ZL3PX, ZL3RC, ZL3RG, ZL3RJ, ZL3TBC, ZL3TKI, ZL3TKR  
 ZL4AA, ZL4AX, ZL4CG, ZL4ES, ZL4HK, ZL4IV, ZL4KT, ZL4LV, ZL4OL, ZL4SY, ZL4TAE, ZL4TH,  
 ZL4UC

#### Operator Comments

Weather was ok with no rain or wind but was a cold night and morning. Conditions on 2 m not too great but made up for it with microwave contacts

2 m was very busy and at times it was a challenge to work the distant stations due to general local activity on 144.200. 70 cm didn't achieve what I had hoped. It might have been an antenna issue. Further investigations are required. I only managed local stations on 23 cm but was happy with that nevertheless. Being located in a cemetery produced a lot of interesting comments and questions, the most humorous being "Are you trying to contact the dead?" Another person thought I was conducting paranormal experiments. Apart from Saturday night when it rained for a period, the weather was pretty good this time making it much easier to run a portable setup.

Wow moment for the entire weekend was turning on the 24 GHz and hearing Greg ZL1GSG 58 and on frequency with no tweaking required. Also worth noting is my lead acid batteries from previous years recently failed, so this year I chose to put a 13.8 V 20 A DC/DC converter on my 17 Ah 50 V eBike battery, and it performed flawlessly driving my VHF/UHF setup, with enough to handle a 2nd day if needed, and so much lighter! Despite the mediocre conditions the weather was kind to us in the end.

Great time was had by all up Whakapapa, Ski Lodge was great and had a fantastic result with the HF setup.

I was at home station but did go up to ZL3AC and work some microwave, 5.7 and 10 to Wayne with good signals. Other than that the conditions were about average with the best DX being ZL1GSG on 70 cm.

I was only running 2 m and 70 cm bands this time but was a good test for the newly built trailer with battery capacity and solar standing up to the test.

A 6 m antenna was hurriedly built on the morning of the contest and after some tweaking performed pretty well. Weather was mild and overcast. Started to get windy when packing up. Band conditions were up and down. Lots of QSB on 70 cm and 23 cm. Highlight was finally working ZL1GSG on 70 cm at 830 km.

Wasn't able to go out contesting in the field due to clashes with the company Christmas do. Seems like the December contest almost always clashes so just had to run from home. Had fun. Not much on the microwave bands due to the location of the QTH. Hope I am free for the February one.

Excellent contest! Acceptable weather, lots of contacts, good DX and none of the gear seriously damaged.

Thanks to all that participated

Simon, ZL1SWW

Greg, ZL1GSG

## System Summaries – Contest Stations

Call	QTH	Altitude	Band	QSOs	Transceiver	Power	Antenna
ZL1DI	RF73JB	110 m	144 MHz	57	IC-705	80 W	8 el Yagi
Hillsborough Cemetry, Auckland			432 MHz	7	IC-705	10 W	16 el Yagi
			1296 MHz	2	FT-290R, SG Labs transverter	8 W	25 el Loop Yagi
ZL1EW	RF73KD	60 m	50 MHz	5	IC-7400	100 W	4 el Yagi
Glendowie, Auckland			144 MHz	49	IC-9700	100 W	12 el Yagi
			432 MHz	20	IC-9700	75 W	2x 11 el Yagi
			1296 MHz	2	Home brew transverter	10 W	30 el Yagi
ZL1GSG	RF70SQ	1610 m	50 MHz	17	IC-7300	50 W	2 el HB9CV
Turoa Ski Field, Mt Ruapehu			144 MHz	114	IC-7300 + Homebrew transverter	150 W	9 el Yagi
			432 MHz	39	IC-705	140 W	13 el Yagi
			1296 MHz	14	FT-817 + Homebrew transverter	20 W	16 el Yagi
			2400 MHz	14	FT-817 + Homebrew transverter	1 W	1 m dish
			3400 MHz	14	FT-817 + Homebrew transverter	2 W	1 m dish
			10368 MHz	14	FT-817 + Homebrew transverter	1.7 W	1 m dish
			24048 MHz	4	FT-817 + Homebrew transverter	0.4 W	350 mm dish
ZL1X	RF70SS	1600 m	144 MHz	31	IC-9700	100 W	5 el Yagi
Iwikau Village, Mt Ruapehu			432 MHz	8	IC-9700	75 W	10 el Yagi
ZL2BKC	RF78LX28		50 MHz	0	TS 2000X	100 W	3 el Yagi
Paekakariki Hill Lookout (Sat) Mt Victoria, Wellington (Sun)			144 MHz	14	TS 2000X	100 W	6 el Yagi
			432 MHz	4	TS 2000X	75 W	18 el Yagi
			1296 MHz	9	TS 2000X	150 W	21 el Yagi
			2400 MHz	9	Homebrew	30 W	30 cm Panel
			3400 MHz	7	Homebrew	25 W	30 cm Panel
			5760 MHz	2	Homebrew	5 W	600 mm dish
			10368 MHz	11	Homebrew	3 W	600 mm dish
			24048 MHz	4	Homebrew	1.5 W	300 mm dish
ZL2JBK	RF70BQ	1160 m	144 MHz	74	IC-290H	80 W	8 el Yagi
Stratford Plateau, Mt Taranaki			432 MHz	43	IC-490A	70 W	18 el Yagi
ZL2VS	RF70RB	448m	50 MHz	24	FT-817	5 W	Dipole
Mt Curl, Marton			144 MHz	68	IC-260A	60 W	5 el Yagi
			432 MHz	33	FT-817	5 W	15 el Yagi
			1296 MHz	15	sg-labs transverter	2 W	32 el Yagi
			2400 MHz	15	sg-labs transverter	2 W	Gridpack disd
			3400 MHz	15	sg-labs transverter	3 W	7 el PCB Yagi
			10368 MHz	15	Demi transverter	10 mW	Horn
ZL3AC	RE66IK	499 m	50 MHz	9	IC-746PRO	100 W	4 el DK7ZB Yagi
Mt Pleasant, Christchurch			144 MHz	88	FT897	50 W	9 el Yagi
			432 MHz	36	FT897	20 W	1 9el Yagi
			1296 MHz	21	FT736R	10 W	60 el Yagi
			5760 MHz	2	FT-817 + Kuhne transverter	4.5 W	680 mm dish
			10368 MHz	2	FT-817 + Kuhne transverter	3.5 W	680 mm dish
ZL3RC	RE66FL		50 MHz	3	SunSDR2	880 W	7 el Yagi
Christchurch			144 MHz	36	SunSDR2	900 W	12 el Yagi
			432 MHz	22	FT-991	800 W	22 el Yagi
			1296 MHz	12	FT-847 + Kuhne transverter	350 W	60 el Yagi
ZL4AA	RE54GE65	676 m	50 MHz	30	IC-7200	100 W	3 el Yagi
Mt Cargill, Dunedin			144 MHz	56	IC-9700	100 W	6 el Yagi
			432 MHz	62	IC-9700	75 W	17 el Yagi
			1296 MHz	40	IC-9700	10 W	60 el Yagi





