

A PERSONALLY TESTED RADIO AND RANGE

KIRISUN

PT8100 Bakkie Radio PT3600 Portable Radio

Zara 130 magnetic extra portable antenna

Zara bakkie installed 130 roof antenna - mounted top side bakkie behind rear door right side.

Ranges PERSONALLY TESTED:

Licensed radio

Bakkie PT8100 installed and aerial cut and set to frequencies by professionals.

PT8100 to the portable **WITHOUT any extra roof aerial; 6, 7 kilos between buildings down the top of Blaauwberg Road near De Goede circle, down to the sea, along beach and up hill behind the flats. **Not exactly line of sight..... 6, 7 kilos (EXACTLY). I never drove more; we turned around as we wanted to test it in a more built up area (See here).****

PT8100 to the portable **WITH roof antenna, corner Jansen's road, down Blaauwberg road, past Caltex refinery, past Makro, along N7 over bridge over railways line over N1 into Goodwood all the way **NOT line of sight at all**, to Peninsula motors **(12 kilometres)** exactly and could speak clearly. We turned at this point. **(Was overcast and rainy) 28-4-2012.****

Portable PT3600 **without aerial on roof of car, only the aerial fitted on the radio, my family stood with radio in the kitchen with window open antenna outside, corner Janssen's road, I drove into Blaauwberg road, right past Caltex refinery, past Makro, to the Milnerton Medi clinic turn right, down to beach, **(NOT LINE OF SIGHT AT ALL). Never at any stage did we lose a signal and never could we not hear the other person in a house at corner Janssen's road, the range to Medi clinic was about 7,2 kilometres, down to the robot, right at the Marine road intersection and past the vlei, alongside the sea, back to the house, the total distance was 14,7 kilometres, not once the entire trip was the signal bad, it was badly overcast (29-4-2012) and normally obstacles will play havoc with signals, but at no time on this trip did we have any problems. **We never had any line of sight at all.******

PT8100 bakkie radio to portable PT3600 **line of sight with roof antenna, 23 kilos over farm lands, I turned at this point, I still want to push the radios to the maximum line of sight with and without roof antennas on the portable. This I will get to do on my next attempt.**

GENERAL

Clarity was awesome, and volume very good, for general work and convoy use these radios really rock, awesome stuff, and anyways, in a convoy how often will you talk more than 12 kilos away from each other in a built up place between buildings, mostly you will use it on the open road and imagine the range you can achieve then! These tests above got done in overcast conditions and at times it was raining.

I looked around a long time and decided to buy what lots of people are buying in my opinion it was a good choice, I mostly need it for 2 kilometre work anyways at night one truck to another and they are mostly a kilo or less apart.... So for me this VHS set up is awesome and all it costs me is R50, 00 a year all legal and licenced. Far too many people say you get so far others say this far.... But also weather, power lines, structures can affect frequency potential a lot and play havoc with your signal strength, like a cell phone next to portable or normal radio on in the car etc. ***Lastly I used two Motorola portables CP040 and with no extra aerials, line of sight we got easily 6, 3 kilometres over a farm in Free State, as said this was line of sight, flat ground to a cattle auction in the distance. Buy good radios, licence them and enjoy VHS crystal clear reception.***



Have professionals fit the radios, cut the aerials to the correct length to match the frequency and enjoy excellent reception, don't just take it to some backyard mechanic and install it net so, you will not get the same reception from your lovely equipment at all.

I had mine installed by the same company I purchased my radios from in Cape Town, if you want details call me.

As you can see, without line of sight and between buildings, houses, railway lines, Caltex refinery and other major obstacles this radio performs 100% one can only imagine on the open road and with another aerial if really needed how far you could talk, but generally an extra roof antenna isn't really needed at all for the portable radio.

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