



## E73TTT-Milliwatt-Weekend Story

After the ARRL weekend, where I worked 3 QSO's on 7 MHz in about 20 minutes using 500 milliwatt output ( contacted KC1XX, N2MF and K3LR; congratulation guys! ), I decided to start working on my «DXCC TP Challenge». The Challenge was initiated by WO3B idea of the WASTP - Worked All States Total Power. It is to contact all US states summing total power used for the QSO's. As you rework the states with lower power as earlier, your WASTP goes down. Lower the TP, better the result. So I changed his idea a bit: instead of working 50 US states I decided to work 100 DXCC countries accordingly. I worked those countries so far, all of them using QRP, power output level 5 W. So my 50EETP was 500 W before the weekend.

UBA contest was a great opportunity to lower that figure ( total power ). A lot of activity was given, supposing a good chance for me. I decided to work only on 40 meters, mainly because of a pretty good antenna I have for that band - the "invisible" end-fed half wave wire, 7 meters above the ground. TRX was HAMTEL A-3, to be seen at the picture above. Using the same equipment I managed to win 3rd place World in 2004 CQ WPX CW Contest SO40 QRP.

Just before the contest I called OK7FL with 10 mW, and he gave me 549 report. So far so good. It was rainy Saturday afternoon, just perfect for working in a contest. As I did not expect many QSO's I decided to log them in an old fashioned way – with paper and pencil. I often use a small ( paper ) notebook , and write a lots of comments in my log. It is a great pleasure for me to reading such a notices after some time.

I started powering my antenna with 10 mW, and was able to work with YO5ODH and SX6BJW. No one else copied me, so I QROed to 100 mW and worked with DL8DWW, LY4L and UA3QDX - all in easy QSO's. LY2OX was booming in, but was also called by a lots of stations. Nevertheless I switched 10 dB attenuator on, to call him with 10 mW - and was getting him at second attempt. I was not able to believe that I broke the pile-up with 10 mW only!

Something later I heard a strong UA9CDC. It was a supposed new «milliwatt-continent» for me ( Asia ). I called him with 100 mW. He got my callsign at the first call, the QSO number after the 3. repeat. What a pair of great ears! Asia on 7 MHz with 100 mW, 17 dB below the QRP level! It seems we have had a great propagation conditions to Siberia - I heard RG9A very strong a couple of minutes later, called him and logged him easily, again using only 100 mW output power.

As the evening came, I decided to increase my power to 500 mW, so I will have 2 easy switchable power outputs, 500 mW and 50 mW ( by 10 dB attenuation ). Nice round numbers, 10 dB i.a. 20 dB below the QRP level. Easy QSO with UU5WW and DK1WU with 50 mW was done. Somehow I felt that Johan knew I was QRPP. It was a very nice QSO, with a 73 and tit-tit at the end.

After that I had "easy run" with 500 mW, so that my DXCC total power went down slowly.

Another great QSO was that with DL2OM, as he was very strong and I came easily trough to him, with only 50 mW. I managed to make even some more contacts and happy to see that my signal was readable and just above the noise level.

Later I found UA9CDC again. As I worked him already, I spent some great time just listening to his runs. A lots of EU stations we calling him, and he impressed with great RX-capabilities.

That was what happened at the Saturday evening. In the morning next day I spent another 2 hours drinking my green tee, switching between 50 and 500 mW and making another 11 QSO's.

As a conclusion – I spent a couple of nice weekend hours in working some QSO's, listening good pile-ups, meeting some old friends ( challenging their receiving abilities to the limits – hey, please don` t mind guys! ) finally succeeding in 36 «Milliwatt-QSO's». A real great FUN!

72's Jovan, E73TTT

## E73TTT - Milivat Vikend Storiija

Nakon ARRL vikenda kada sam uspio uraditi 3 veze na 7 MHz za 20 minuta rada sa 500 mW ( KC1XX, N2MF i K3LR - čestitam na prijemnicima momci ), odlučio sam da se malo pozabavim sa svojom DXCC TP ( DXCC Total Power). To je slično WASP ideji od WO3B ( Worked All States Total Power ). Dakle ovako: Prvi dio izazova je uraditi DXCC sa QRP-om. Sabere se snaga svih veza i to je «Total Power». Npr., ako je sve rađeno sa 5 W, DXCC TP je 500 W. Nakon toga pokušavam tu snagu smanjiti. Kako uradim neku zemlju sa manjom snagom, tako se DXCC TP smanjuje.

UBA contest je odlična prilika da smanjim ovu cifru. Mnogo aktivnosti, ali ne previše, odlično za milliwatting. Sve veze radio radim na 7 MHz, sa "nevidljivim" polutalasnim dipolom napajanim na kraju ( halfer ), koji se nalazi oko 7 metara iznad zemlje. Uređaj je moj stari Hamtel A-3, u prvoj verziji, s većim kućištem - vidi sliku na [e73ttt.com.ba](http://e73ttt.com.ba). Sa ovom istom antenom i uređajem već sam radio u QRP kategoriji u CQ WPX 2004 i ostvario 3. mjesto u svijetu.

Neposredno pred kontest pozivam OK7FL sa 10 mW i dobijam 549 raport. Za sada dobro. Kišno je subotnje popodne, idealno za raditi u kontestu. Kako ne očekujem mnogo veza sve logiram na starinski način - papir i olovka. To sve zapisujem u mali rokovnik, zajedno s dosta komentara o svakoj vezi. Veliko je zadovoljstvo prelistavati takav dnevnik nakon nekog vremena.

Kontest počinjem sa 10 mW, i radim YO5ODH i SX6BJW. Niko me drugi ne čuje i donosim radikalnu odluku o odlasku u «QRO» sa 100 mW. Lako radim DL8DWW, LY4L i UA3QDX. Čujem LY2OX sa rasturajućim signalom, i bez obzira što ima jak pile-up uključujem 10 dB atenuator, i zovem ga sa 10 mW. Bum, radim ga iz drugog pokušaja. Ne mogu da vjerujem da sam probio pile-up sa 10 mW!

Kasnije čujem UA9DCDC vrlo jako. To bi bio novi milivatski kontinent za mene ( Azija ) i zato ga zovem sa 100 mW. Pozivni znak mi je primio iz prve, a broj veze nakon 3 ponavljanja. Kakav prijemi sistem on samo ima! Azija na 7 MHz sa 100 mW, to je 17 dB ispod standardnog QRP nivoa. Čini se da su propagacije prema Sibiru odlične - čujem vrlo glasno RG9A par minuta kasnije, pozivam ga i vrlo lako radim vezu, ponovo sa 100 mW.

Kako pada veče raste i nivo šuma pa odlučujem da povećam snagu TX-a na 500 mW, tako da imam 2 lako preklopive snage, 500 mW i 50 mW (imam 10 dB atenuator u antenskom kablu, koji mogu po želji uključiti i isključiti). To su lijepi okrugli brojevi, 10 i 20 dB ispod standardnog QRP nivoa od 5W.

S 50 mW lako radim UU5WW i DK1WU – i nekako imam osjećaj da Johan zna da radim sa QRPP. Jako lijepa kontest veza, sa 73 i tit-tit. Njemačka sa 50 mW!

Nakon ovoga slijedi "easy run" sa 500 mW, a moja DXCC TP se lagano smanjuje.

Još jedna predivna veza je sa DL2OM, koji je dolazio veoma jako, i lagano sam ga uradio sa 50 mW. Radim još nekoliko stanica, i vidim da je moj signal kod njih stvarno tačno negdje na nivou šuma.

Ponovo srećem UA9CDC. Već sam ga odradio, ali sada provodim dosta vremena slušajući njegov pile-up i mnogo EU stanica koje ga zovu. On ima odlican prijem.

To je bilo sve za to subotnje večer, u nedjelju ujutru pio sam jutarnji zeleni čaj i proveo još 2 sata prebacujući se između 50 i 500 mW i uradio još 11 veza.

Zaključak: Proveo sam nekoliko ugodnih sati, uradio nešto veza, poslušao dobrih pile-up-ova i sreo neke stare prijatelje (pri čemu sam im prijemnike često dovodio do granica njihovih mogućnosti - izvinjavam se za to). Sve u svemu - super zabava.

72 Jovan E73TTT