

DATA & SSB MODULATING TEST

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As long as it's not just a too low ALC problem (less than zero), on the FTDX101MP if you put a DATA-U preferably and adjust the AMC (the only one that works with DATA-U), first adjust the audio signal input in to radio and also out from PC and then it brings to the minimum ALC without raising the COMP.

As you can see, going with ALC in negative, the COMP is raised, and this despite being a difference in the FTDX101, I still find it interesting also because now from 200 to 2500kHz tone, the power does not vary compared to other RTXs. AMC does its great duty. Here, therefore, to have an excellent linearity AMC and not COMP, however, it is necessary to adjust the power NOT with ALC <0 but with RF POWER and ALC and therefore COMP always at ZERO.

I usually set AMC to 40 by adjusting the input for minimum, alc to zero or barely noticeable,

Apart from the error about the numerical and effective power, I have what you owe in FT8.

The PHONE speech for me is another:

Personally I did these tests, like the same speech I did with the FT2000 which had the same characteristic of probably **NOT MODULATING sufficiently the power stage**, PEP or AWG I do not know.

In my test I use the SSB, even using the same microphone on all transceiver and more minus the same settings:

USED EXTERNAL INSTRUMENTS:

- 1 BIRD43 (cap 500w)
- 2 DAIWA CN101
- 3 SX1000 DIAMOND 200w
- 4 MT3000 MAGNUM

for tests, I always check on all instruments in the same way with a variation of +/- 5w on the needle reading ...

FT2000	modulated peak power read ~ 40/50w (TX setting ~ 100w) >> with PA ~ 400/500w
FTdx101MP	modulated peak power read ~ 40/50w (TX setting ~ 100w) >> with PA ~ 400/500w
FTDX3000d	modulated peak power read ~ 70/80w (TX setting ~ 100w) >> with PA ~ 700/800w
FT847	modulated peak power read ~ 70/80w (TX setting ~ 100w) >> with PA ~ 700/800w
FT857	modulated peak power read ~ 70/80w (TX setting ~ 100w) >> with PA ~ 700/800w
TS480SAT	modulated peak power read ~ 70/80w (TX setting ~ 100w) >> with PA ~ 700/800w

On all 4+1 internal power instruments (-...etc...)

Furthermore with the PA I also read a difference on the PA Amper source, also on the power supply ...

I then put a signal compressor on the microphone to try and managed to get a very good modulation and equally reaching in FTdx101 and FT2000 -10w modulated compared to the others ...

Obviously, with the simple tone I get the same reading on everyone ...
I can't explain a PEP or AVG speech, but absorption and output power on all instruments are still lower.
The signal heard is also different !!!

I activated an far RX SDR (PY) and the result I also published on the website of the alleged FTDX101 BUGs ... ([WebSite here](#))

The difference was substantial on the power / signal of the modulated!
I did not go out of PEP / AVG theory but using radios, instruments, PA ... and receiver at 9000km.

;-)

73

sry translators

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