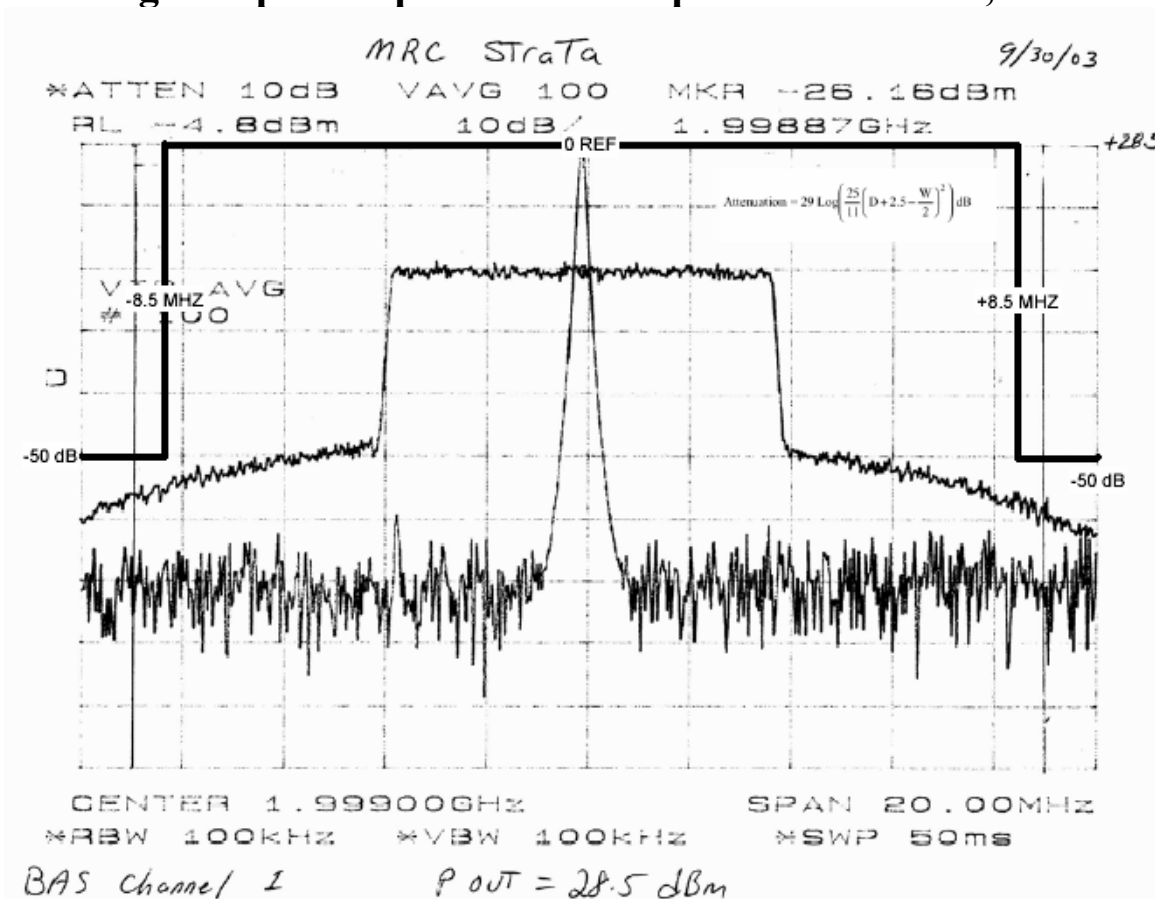


Rich Miller
Systems engineering

Re: Permissive change of STRATA TXU, TCU FCC ID. #
FC3STATXU2D

Upon investigation found the following points of interest.

1. The Strata radio without any back off is barely able to give 1.5dbm on any channel in the digital mode. The product spec and review of the test data lists the digital output at one watt. The two watt max power detailed in the FCC cert in digital mode requires a HPU
2. An HPU is not included in the scope of the FCC cert. or the original TCF.
3. The original spectral plots show compliance at 28dbm,.6watts



4.

PLOT COPIED FROM THE ORIGINAL TCF SHOWING COMPLIANCE AT 28dbm
50% REMOVED FROM CENTER FOR 17MHz CHANNEL MAS

**THIS PLOT WAS COPIED FROM THE PERMISSIVE
CHANGE DATA I PROVIDED FOR THE 12 MHz BAS
CHANNEL BANDWIDTH SHOWING COMPLIANCE
AT 28DBM**

**CHANNEL A1r SPECTRAL MASK CFR 47 PART
74 (a)**

***2033.5MHz .6 WATTS 28dbm QPSK 8 MHz FEC1/2 GUARD
INTERVAL 1/8 10dbm attenuator 1dbm cable loss***

TXU,TCU,

COMPLIANCE FACTOR = $10 \log (B_{\text{ref}} / B_{\text{res.}}) = 10 \log x$

