

## Exhibit 7

# KOAB-DT, Channel 11

ERP	90KW (19.54dBK)
Antenna Gain	10.1 (10.04dB)
Antenna Input	8.9KW (9.5dBK)
Line Loss @ 347ft.	89.99% (0.45dB)
TPO	9.89KW (9.95dBK)

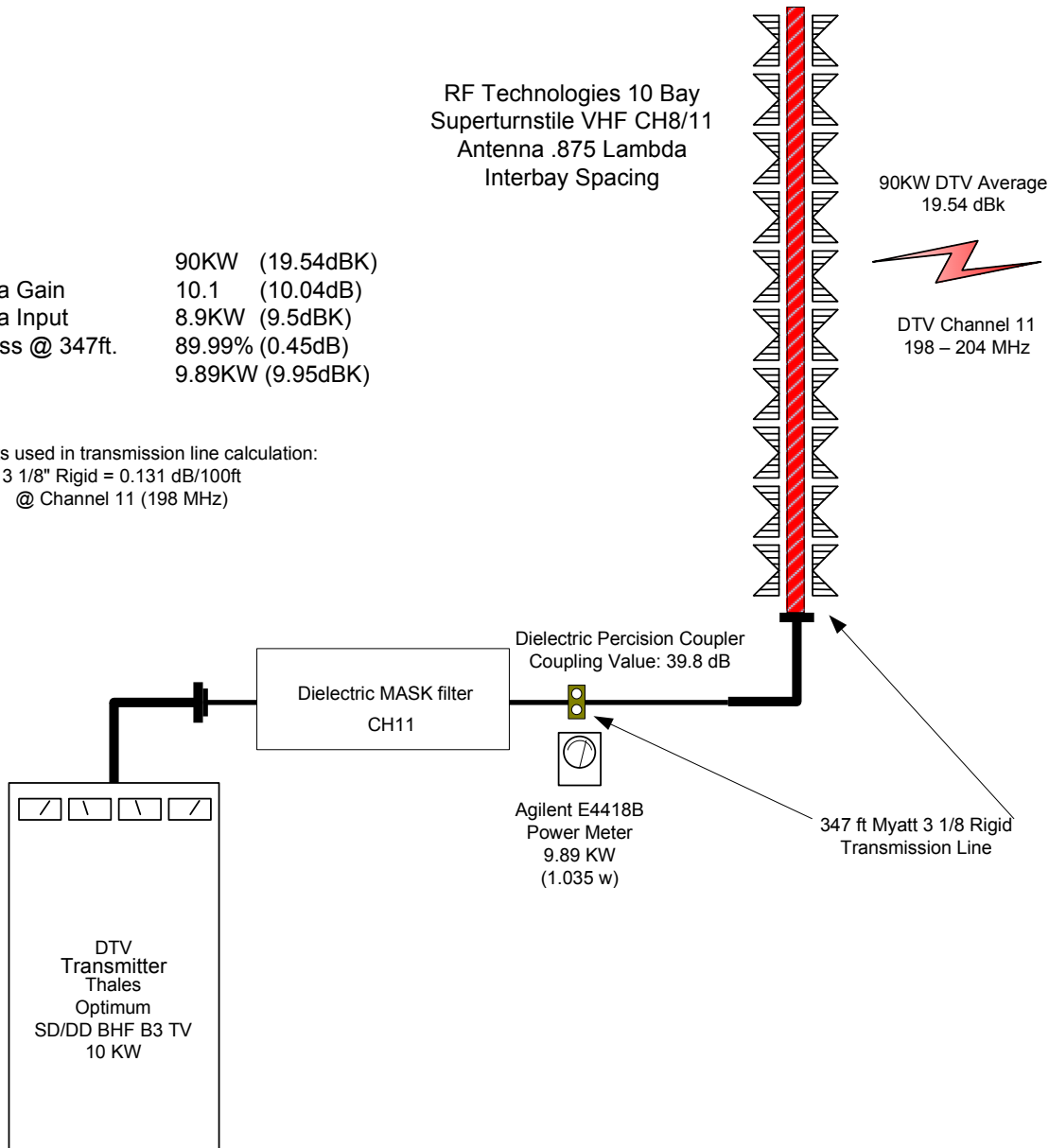
Constants used in transmission line calculation:  
 3 1/8" Rigid = 0.131 dB/100ft  
 @ Channel 11 (198 MHz)

RF Technologies 10 Bay  
 Superturnstile VHF CH8/11  
 Antenna .875 Lambda  
 Interbay Spacing

90KW DTV Average  
 19.54 dBk



DTV Channel 11  
 198 – 204 MHz



## Oregon Public Broadcasting

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KOAB-DT RF Power  
 Budget  
 KOAB-DT\_Pwr.vsd