

TECHNICAL EXHIBIT
APPLICATION FOR
CONSTRUCTION PERMIT

FM TRANSLATOR - NEW
FCC FACILITY ID: 146561

MAX T. NICHOLS
SODA SPRINGS, ID

CH 283D 0.011 KW 535 METERS MAX HAAT
METERS RCAMSL

FM Translator Interference Study

Job Title : SODA SPRINGS CH283D Separation Buffer 50 km
Channel 283 (104.5 MHz) FCC FM DB Date : 08/28/03
ERP = .011 kW HAAT = 535.0 meters Coordinates : 42-37-48 111-41-00
Call City Channel ERP(kW) Latitude Bearing Dist. Req.
Status State FCC File No. Freq. MaxHAAT(m) Longitude deg-Tru (km) (km)

K280EG FREEDOM 280D .010 43-01-23 48.5 66.35 14.9
LIC WY BLFT 941024TB 103.9 202.0 111-04-21 51.41 CLEAR
TRANSLATOR FOR KRIC REXBURG ID.
K280EG 60 dBu Desired = 8.3 km ; Proposed 100 dBu Undesired = 3.0 km OK
Proposed 60 dBu Desired = 13.6 km ; K280EG 100 dBu Undesired = 1.4 km OK

NEW SMITHFIELD 283D .250 41-52-18 187.0 88.9 88.9
APP UT BNPFT 30317MNU 104.5 381.0 111-48-31 CLOSE
NEW 60 dBu Desired = 25.6 km ; Proposed 40 dBu Undesired = 48.1 km OK
Proposed 60 dBu Desired = 13.6 km ; NEW 40 dBu Undesired = 75.3 km OK

NEW IDAHO FALLS 283D .250 43-28-31 342.5 98.57 59.5
APP ID BNPFT 30317JGB 104.5 77.0 112-03-03 39.05 CLEAR
NEW 60 dBu Desired = 11.4 km ; Proposed 40 dBu Undesired = 48.1 km OK
Proposed 60 dBu Desired = 13.6 km ; NEW 40 dBu Undesired = 38.6 km OK

NEW ALPINE 284D .250 43-10-31 40.9 80.52 28.9
APP WY BNPFT 30317DYY 104.7 31.0 111-02-02 51.66 CLEAR
NEW 60 dBu Desired = 7.2 km ; Proposed 54 dBu Undesired = 21.6 km OK
Proposed 60 dBu Desired = 13.6 km ; NEW 54 dBu Undesired = 10.1 km OK

K285DF AFTON 285D .076 DA 42-38-10 89.1 56.75 18.5
LIC WY BLFT 870820TA 104.9 287.0 110-59-30 38.30 CLEAR
TRANSLATOR FOR KRIC REXBURG ID.
K285DF 60 dBu Desired = 16.3 km ; Proposed 80 dBu Undesired = 2.2 km OK
Proposed 60 dBu Desired = 13.6 km ; K285DF 80 dBu Undesired = 4.4 km OK

** End of FM Translator or NCE Interference Study for FM Channel 283 **