

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	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 **