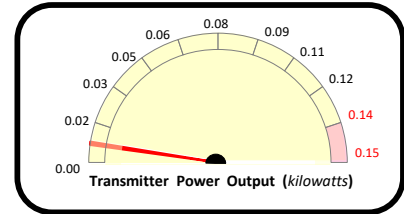


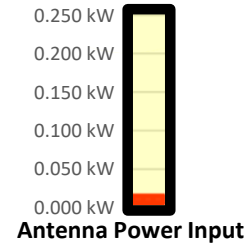
Transmitter Power Output Worksheet

Call letters: K223CW.C
City of License: Houston, TX
Channel: CH223D (92.5 MHz)
File No: LMS-0000159318
Facility ID: 148239
Applicant: SDK FRANCO LLC



Effective Radiated Power (ERP): 0.028 kW

Antenna Make: Scala (Kathrein-Scala)
Antenna Model: CL-FM-H-1DA
No of Elements: One (1)
Antenna COR AGL: 307.9 meters AGL
Antenna COR AMSL: 322.4 meters AGL
Max Input Power: 0.250 kW
Power Gain: 5.012
Antenna Gain: 7.000 dBd
Calculated Antenna Input Power: 0.006 kW
Transmitter Rated Power: 0.150 kW
Transmitter Make/Model: BEXT XT-150



Power Gain to Antenna gain (dBd) Conversion:
 $=\text{Log}[\text{power gain}] * 10$

Inventory of System / Insertion Losses

Explanation	Component Make/Model		Length	Loss
Typical End Connector	Generic (1@0.02 dB each)		n/a	-0.020 dBd
Main Feedline (1/2" Foam)	Andrew FSJ4-50B	(1.038 dB/100 ft)	100 ft	-1.038 dBd
Typical End Connector	Generic (1@0.02 dB each)		n/a	-0.020 dBd

TOTAL SYSTEM GAIN/LOSS: 5.92 dBd
CALCULATED TRANSMITTER POWER OUTPUT: 0.007 kW
 $(1 / [10^{(5.92/10)} / \text{ERP}])$