

ENGINEERING EXHIBIT
APPLICATION FOR STATION LICENSE

prepared for

Lincoln Financial Media Company of Colorado
K276FK Denver, Colorado
Facility ID 157107
Ch. 276D 0.25 kW

Table of Contents

FCC Form 350, Section III

Exhibit 10 Compliance with Special Operation Conditions

Exhibit 12 - Table 1 Antenna / Line System Gains and Losses

This material supplies a "hard copy" of the engineering portions of this application as entered March 21, 2013 for filing electronically. The FCC's electronic filing system may be accessed by anyone with the applicant's name and password, and electronic data may otherwise be altered in an unauthorized fashion. We cannot be responsible for changes made subsequent to our entry of this data and related attachments.

Exhibit 10
COMPLIANCE WITH SPECIAL OPERATION CONDITIONS
prepared for
Lincoln Financial Media Company of Colorado
K276FK Denver, Colorado
Facility ID 157107
Ch. 276D 0.25 kW

Lincoln Financial Media Company of Colorado (“*Lincoln*”), is the licensee of K276FK, Channel 2276D (103.1 MHz), Denver, CO. *Lincoln* is authorized in the construction permit (“CP”), BPFT-20111230ABX, to modify the antenna of its licensed K276AK facility. The CP contains six Special Operating Conditions. The instant statement demonstrates compliance with the conditions.

The first Special Operating Condition states:

“Prior to commencing program test operations, FM Translator or FM Booster permittee must have on file at the Commission, FCC Form 350, Application for an FM Translator or FM Booster Station License, pursuant to 47 C.F.R. Section 74.14.”

The instant application serves to comply with this Special Operating Condition.

The second Special Operating Condition states:

“The permittee/licensee in coordination with other users of the site must reduce power or cease operation as necessary to protect persons having access to the site, tower or antenna from radiofrequency electromagnetic fields in excess of FCC guidelines.”

As a current user of this tower site and as indicated in BPFT-20111230ABX, *Lincoln* will continue to comply with this Special Operating Condition.

The Special Operating Conditions 3 through 5 state:

3. The automatic program test provisions of 47 C.F.R. Section 73.1620 do not apply in this case. A formal request for program test authority must be filed in conjunction with FCC Form 350-FM, application for license, before program tests will be authorized. This request must contain documentation which demonstrates compliance with the following special operating condition(s):

Exhibit 10
COMPLIANCE WITH SPECIAL OPERATION CONDITIONS
(page 2 of 3)

4. The permittee/licensee shall, upon completion of construction and during the equipment test period, make proper radiofrequency electromagnetic (RF) field strength measurements throughout the transmitter site area to determine if there are any areas that exceed the FCC guidelines for human exposure to RF fields. If necessary, a fence must be erected at such distances and in such a manner as to prevent the exposure of humans to RF fields in excess of the FCC Guidelines (OET Bulletin No. 65, Edition 97-01, August 1997). The fence must be a type which will preclude casual or inadvertent access, and must include warning signs at appropriate intervals which describe the nature of the hazard. Any areas within the fence found to exceed the recommended guidelines must be clearly marked with appropriate visual warning signs.

5. Documentation demonstrating compliance with the special operating condition(s) shall be submitted at the time of the filing of FCC Form 350-FM.

Warning signs continue to be posted at the tower site and on the gated and locked fence surrounding the tower. RF field strength measurements were performed on February 22, 2013 in accordance with parameters specified in the CP. The measurements indicate no publically accessible areas in excess of FCC General Public / Uncontrolled Maximum Permissible Exposure Limits as specified in OET Bulletin No. 65. Further, there were no observable changes in the measured RF field strength when the K276FK facility was powered on and off. Documentation of the measurements is attached hereto as **Exhibit 10 – Attachment 1**.

The sixth Special Operating Condition states:

“Program tests for K276FK (Facility ID No. 157107) will not commence on Channel 276D with facilities authorized herein until program tests for KFWA (Facility ID No. 79249) commence on Channel 276C3 with the facilities authorized in BPED-20111230ACI and a license will not be granted for K276FK on channel 276D with facilities authorized herein until a license is granted for KFWA on Channel 276C3 with the facilities authorized in BPED-20111230ACI.”

Exhibit 10
COMPLIANCE WITH SPECIAL OPERATION CONDITIONS
(page 3 of 3)

According to the FCC's CDBS, a License Application for KFWA (see BLED-20130102ABD) to cover the facilities authorized in BPED-20111230ACI has been accepted for filing by the FCC. Thus the proper applications have been filed and, when granted, will permit the instant Application for License to be granted for K276FK.

Program Test Authority is hereby requested for K276FK on behalf of the applicant. As demonstrated herein, this facility has been constructed in accordance with Construction Permit BPFT-20111230ABX and complies with the stated conditions.

EXHIBIT 10 – ATTACHEMENT 1

RFR COMPLIANCE MEASUREMENTS

RFR COMPLIANCE MEASUREMENTS

EXHIBIT 200

K276FK

Lincoln Financial Media Company of Colorado

February 2013

TECHNICAL STATEMENT

Lincoln Financial Media Company of Colorado, has retained the services of J.C. Humke & Associates, Inc., to perform Radio Frequency Radiation Compliance Measurements in association with its FM Broadcast Translator/ Booster license K276FK.

Joel Humke and Chief Engineer Brad Hart performed the measurements on the morning of February 22, 2013 between 8:45 AM and 10:15 AM Mountain Standard Time.

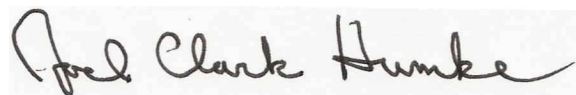
Exhibit 300 is a presentation of the actual meter indications recorded by the E field probe of the Holaday HI-3002 Radio Frequency Broadband Meter. A measurement grid of 5 foot intervals was established immediately outside the facility fence line, to record the meter indications of the instrument in areas of uncontrolled (public) exposure criteria. Exhibit 350 presents the total power density in mw/cm^2 .

Likewise, Exhibit 400 is a presentation of the same grid points, and the indications of the H field probe at the same locations. In addition to this measurement grid, measurements were taken around both the north and south side of the tower and building fence, both of which are on a 20 percent or more down grade, to insure that no higher readings could be found that were not consistent with the readings already obtained. Exhibit 450 presents the total power density in mw/cm^2 .

During both the measurements of E field and H field readings, the K276FK transmitter was shut off for 5 seconds in both instances, and the meter indications remained the same, and did not decrease.

Also included are the calibration certificates for all equipment used in these measurements.

Respectfully submitted,



March 17, 2013

J.C. Humke & Associates, Inc.

5457 South Jericho Way

Centennial, Colorado 80015-3648

J.C. HUMKE & ASSOCIATES, INC., 5457 SOUTH JERICHO WAY, CENTENNIAL, COLORADO 80015-3648

RFR COMPLIANCE MEASUREMENTS

EXHIBIT 300

K276FK

Lincoln Financial Media Company of Colorado

February 2013

E FIELD METER INDICATIONS HOLADAY HI-3002 EXPOSURE METER

SCALE 1: $\times 10^3$ $\times .01$

NW

NE

	1	2	3	4	5	6	7	
A	0.4	0.5	0.2	0.3	0.4	0.3	0.5	A X TOWER LOCATION
B	0.5	0.1	0.5	0.3	0.3	0.2	0.6	B
C	0.3	0.2	0.5	0.3	0.2	0.2	0.4	C
D	0.3	0.1	0.5	0.1	0.2	0.2	0.4	D
E	0.2	0.1	0.5	0.2	0.4	0.2	0.4	E
F	0.4	0.3	0.4	0.4	0.2	0.5	0.3	F
G	0.2	0.2	0.3	0.2	0.3	0.4	0.2	G
H	0.4	0.3	0.1	0.5	0.1	0.2	0.3	H
	1	2	3	4	5	6	7	

SW

SE

E FIELD MEASUREMENTS:

HOLADAY HI-3002

S/N# 39418

E FIELD (RED) PROBE STE-02

S/N# 826HR

FULL SCALE (FSU)² INDICATION 10.0 = 2.65 mw/cm²

RFR COMPLIANCE MEASUREMENTS

EXHIBIT 350

K276FK

Lincoln Financial Media Company of Colorado

February 2013

E FIELD POWER DENSITY HOLADAY HI-3002 EXPOSURE METER
SCALE 1: POWER DENSITY IN MW/CM²

NW

NE

	1	2	3	4	5	6	7	
A	.1060	.1325	.0530	.0795	.1060	.0795	.1325	A X TOWER
B	.1325	.0265	.1325	.0795	.0795	.0530	.1590	B LOCATION
C	.0795	.0530	.1325	.0795	.0530	.0530	.1060	C
D	.0795	.0265	.1325	.0265	.0530	.0530	.1060	D
E	.0530	.0265	.1325	.0530	.1060	.0530	.1060	E
F	.1060	.0795	.1060	.1060	.0530	.1325	.0795	F
G	.0530	.0530	.0795	.0530	.0795	.1060	.0530	G
H	.1060	.0795	.0265	.1325	.0265	.0530	.0795	H
	1	2	3	4	5	6	7	

SW

SE

E FIELD MEASUREMENTS:

HOLADAY HI-3002

S/N# 39418

E FIELD (RED) PROBE STE-02

S/N# 826HR

FULL SCALE (FSU)² INDICATION 10.0 = 2.65 mw/cm²

RFR COMPLIANCE MEASUREMENTS

EXHIBIT 400

K276FK

Lincoln Financial Media Company of Colorado

February 2013

H FIELD METER INDICATIONS HOLADAY HI-3002 EXPOSURE METER

SCALE 1: $\times 10^3$ $\times .01$

NW

NE

	1	2	3	4	5	6	7	
A	0.1	0.1	0.2	0.1	0.3	0.1	0.25	A X TOWER LOCATION
B	0.1	0.1	0.2	0.1	0.2	0.1	0.1	B
C	0.1	0.1	0.1	0.1	0.1	0.1	0.1	C
D	0.1	0.1	0.1	0.1	0.1	0.1	0.1	D
E	0.2	0.1	0.1	0.3	0.1	0.1	0.1	E
F	0.2	0.1	0.1	0.1	0.1	0.1	0.0	F
G	0.1	0.1	0.1	0.1	0.1	0.1	0.3	G
H	0.1	0.1	0.1	0.1	0.1	0.2	0.1	H
	1	2	3	4	5	6	7	

SW

SE

H FIELD MEASUREMENTS:

HOLADAY HI-3002

S/N# 39418

H FIELD (GREEN) PROBE CH-02

S/N# 122

FULL SCALE (FSU)² INDICATION 10.0 = 3.77 mw/cm²

RFR COMPLIANCE MEASUREMENTS

EXHIBIT 450

K276FK

Lincoln Financial Media Company of Colorado

February 2013

H FIELD POWER DENSITY HOLADAY HI-3002 EXPOSURE METER
SCALE 1: POWER DENSITY IN MW/CM²

NW

NE

	1	2	3	4	5	6	7	
A	.0377	.0377	.0745	.0377	.1131	.0377	.0943	A X TOWER LOCATION
B	.0377	.0377	.0745	.0377	.0745	.0377	.0377	B
C	.0377	.0377	.0377	.0377	.0377	.0377	.0377	C
D	.0377	.0377	.0377	.0377	.0377	.0377	.0377	D
E	.0745	.0377	.0377	.1131	.0377	.0377	.0377	E
F	.0745	.0377	.0377	.0377	.0377	.0377	.0000	F
G	.0377	.0377	.0377	.0377	.0377	.0377	.1131	G
H	.0377	.0377	.0377	.0377	.0377	.0377	.0377	H
	1	2	3	4	5	6	7	

SW

SE

H FIELD MEASUREMENTS:

HOLADAY HI-3002

S/N# 39418

H FIELD (GREEN) PROBE CH-02

S/N# 122

FULL SCALE (FSU)² INDICATION 10.0 = 3.77 mw/cm²