United States of America

FEDERAL COMMUNICATIONS COMMISSION

AM BROADCAST STATION LICENSE

Authorizing Official:

Official Mailing Address:

KIERTRON, INC.
PO BOX 3003
BLUE BELL PA 19422

Son Nguyen
Supervisory Engineer
Audio Division
Media Bureau

Grant Date: April 24, 2013

This license expires 3:00 a.m. local time, December 01, 2013.

Facility Id: 34588

Call Sign: KBRT

License File Number: BMML-20130115ADS

This license covers Permit No.: BMP-20120809AAQ

Subject to the provisions of the Communications Act of 1934, subsequent acts and treaties, and all regulations heretofore or hereafter made by this Commission, and further subject to the conditions set forth in this license, the licensee is hereby authorized to use and operate the radio transmitting apparatus herein described.

This license is issued on the licensee's representation that the statements contained in licensee's application are true and that the undertakings therein contained so far as they are consistent herewith, will be carried out in good faith. The licensee shall, during the term of this license, render such broadcasting service as will serve the public interest, convenience, or necessity to the full extent of the privileges herein conferred.

This license shall not vest in the licensee any right to operate the station nor any right in the use of the frequency designated in the license beyond the term hereof, nor in any other manner than authorized herein. Neither the license nor the right granted hereunder shall be assigned or otherwise transferred in violation of the Communications Act of 1934. This license is subject to the right of use or control by the Government of the United States conferred by Section 606 of the Communications Act of 1934.

Hours of Operation: Daytime with Secondary nighttime

Average hours of sunrise and sunset:
Local Standard Time (Non-Advanced)

Jan.	7:00 AM	5:00 PM	Jul.	4:45 AM	7:00 PM
Feb.	6:30 AM	5:30 PM	Aug.	5:15 AM	6:45 PM
Mar.	6:00 AM	6:00 PM	Sep.	5:30 AM	6:00 PM
Apr.	5:15 AM	6:15 PM	Oct.	6:00 AM	5:15 PM
May	4:45 AM	6:45 PM	Nov.	6:15 AM	4:45 PM
Jun.	4:45 AM	7:00 PM	Dec.	6:45 AM	4:45 PM

Callsign: KBRT License No.: BMML-20130115ADS

Name of Licensee: KIERTRON, INC.

Station Location: COSTA MESA, CA

Frequency (kHz): 740

Station Class: D

Antenna Coordinates:

	Day					
Latitude:	N	33	Deg	49	Min	44 Sec
Longitude:	W	117	Deg	38	Min	18 Sec

	Night					
Latitude:	N	33	Deg	49	Min	44 Sec
Longitude:	W	117	Deg	38	Min	18 Sec

Transmitter(s): Type Accepted. See Sections 73.1660, 73.1665 and 73.1670 of the Commission's Rules.

Nominal Power (kW): Day: 50.0 Night: 0.190

Antenna Input Power (kW): Day: 52.6 Night: 0.205

Antenna Mode: Day: DA Night: DA

(DA=Directional Antenna, ND=Non-directional Antenna; CH=Critical Hours)

Current (amperes): Day: 32.45 Night: 2.02

Resistance (ohms): Day: 50 Night: 50

Antenna Registration Number(s):

Day:

Tower No.	ASRN	Overall Height (m)
1	1276731	
2	1276732	
3	1276733	
4	1276734	

Night:

Tower No.	ASRN	Overall Height (m)
1	1276731	
2	1276732	
3	1276733	
4	1276734	

DESCRIPTION OF DIRECTIONAL ANTENNA SYSTEM

Theoretical RMS (mV/m/km): Day: 2210.6 Night: 136.27

Standard RMS (mV/m/km): Day: 2322.32 Night: 143.47

Augmented RMS (mV/m/km):

Q Factor: Day: Night:

Theoretical Parameters:

Day Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.5000	-41.500	0.0000	0.000	0	74.5
2	0.9200	105.000	90.0000	60.000	0	74.5
3	1.0000	0.000	115.7000	110.000	0	74.5
4	0.6650	-100.000	90.0000	160.000	0	74.5

* Tower Reference Switch
0 = Spacing and orientation from reference tower
1 = Spacing and orientation from previous tower

Theoretical Parameters:

Night Directional Antenna:

Tower No.	Field Ratio	Phasing (Deg.)	Spacing (Deg.)	Orientation (Deg.)	Tower Ref Switch *	Height (Deg.)
1	0.5000	-41.500	0.0000	0.000	0	74.5
2	0.9200	105.000	90.0000	60.000	0	74.5
3	1.0000	0.000	115.7000	110.000	0	74.5
4	0.6650	-100.000	90.0000	160.000	0	74.5

* Tower Reference Switch
0 = Spacing and orientation from reference tower
1 = Spacing and orientation from previous tower

Day Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-39.7	0.476
2	102.6	0.88
3	0	1
4	-98.3	0.567

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
1	-39.7	0.476
2	102.6	0.88
3	0	1

Night Directional Operation:

Twr. No.	Phase (Deg.)	Antenna Monitor Sample Current Ratio
4	-98.3	0.567

Antenna Monitor: POTOMAC INSTRUMENTS TYPE 1900

Sampling System Approved Under Section 73.68 of the Rules.

Special operating conditions or restrictions:

1 Ground system consists of 120 equally spaced, buried, copper radials about the base of each tower, each 101.3 meters in length except where terminated by property boundaries or where intersecting radials are shortened and bonded to a transverse copper strap midway between adjacent towers.

2 The licensee shall perform the measurements described in Section 73.155 at least once within each 24-month period.

3 Kietron, Inc., has agreed to accept the following IBOC special operating condition for this construction permit:
Lower digital carriers: -29 dBc (1 dB below the -28 dbc iBiquity nominal)
Upper digital carriers: -57 dBc (29 dB below the -28 dBc iBiquity nominal)
These IBOC restrictions are consistent with KBRT(AM) (Facility ID No. 34588)'s current IBOC operation (persuant letter filed with the Commission on March 11, 2010.) Kiertron, Inc., reserves the right to revise and test the KBRT(AM) digital sideband power levels at the proposed tower site following completion of the construction and equipment testing of the proposed modified facilities. Testing will be in a manner and at dates and times mutually agreeable, which agreement shall not be unreasonably withheld to representatives of stations KBRT(AM) and KFMB(AM) (Facility ID No. 42120). Kiertron, Inc. shall reimburse the licensee of KFMB(AM) for any reasonable out-of-pocket costs to participate in such testing.

4 Waiver of Section 73.1560(a) is granted to permit the licensee to operate with modulation-dependent carrier level control, which reduces the transmitter power at certain modulation levels.

*** END OF AUTHORIZATION ***