

Exhibit 1 **(Item No. 4)**

Response to FCC Form 442, Item No. 4:

This application is for an Experimental License authorization with operating parameters which are mostly identical to the former Experimental License KA2XZV (mobile), which was assigned to a predecessor Company, SOLA BASIC INDUSTRIES, INC. at Voorhees Township, New Jersey. The Voorhees Township, New Jersey facilities have been transferred to the Applicant, and will be installed at the Applicant's Raymond, Maine location. Therefore, a new authorization covering these operations is needed. A copy of the former KA2XZV Experimental Radio Station License is reproduced, below. The indicated transmitter power levels needed in certain frequency ranges are reduced to accommodate the new operations.

FCC Form 442-C November 1974		UNITED STATES OF AMERICA FEDERAL COMMUNICATIONS COMMISSION
EXPERIMENTAL (Nature of service)	EXPERIMENTAL RADIO-STATION LICENSE	<u>KA2XZV (ren)</u> (Call sign)
XD MO (Class of station)		<u>1716-EX-AL&R-86</u> (File number)
NAME <u>SOLA BASIC INDUSTRIES, INC.</u>		
MO: <u>Voorhees Township (Camden) New Jersey - (Lat. 39 51 08 N; Long. 74 52 27 W.) and four (4) mile radius.</u>		
(Location of station)		

(Location of authorized remote control point)

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 and requirements set forth in this license, the licensee here- of is hereby authorized to use and operate the radio transmitting facilities hereinafter described for radio communication.

Frequency MHz	Emission Designator	Authorized Power
54-72	NON/6H00C3F/F3E	10 100 kW
76-88	NON/6H00C3F/F3E	10 100 kW
88-108	NON/200KF3E	10 100 kW
174-216	NON/6H00C3F/F3E	30 110 kW
470-608	NON/6H00C3F/F3E	100 5000 kW
614-806	NON/6H00C3F/F3E	100 5000 kW
300-401	100HA1A	50 W
403-406	100HA1A	50 W
406.1-500	100HA1A	50 W
540-600	100HA1A	1 kW
660-720	100HA1A	1 kW
760-820	100HA1A	1 kW
1860-1920	100HA1A	1 kW
5420-5480	100HA1A	1 kW
5780-5840	100HA1A	1 kW
6500-6560	100HA1A	1 kW

In lieu of frequency tolerance, the occupied bandwidth of the emission shall not extend beyond the band limits set forth above.

Operation: In accordance with Sec. 5.202(1) of the Commission's Rules.

Special Conditions:

- (1) The station identification requirements of Section 5.152 of the Commission's Rules are waived;
- (2) Prior to operation on TV channels 2 through 69 and the FM Broadcast band, coordination must take place with any co-channel and adjacent operation in the area.
- (3) Operations in the 328.6-335.4 MHz frequency band is subject to prior coordination with FAA Eastern Regional Office, JFK International Airport, New York 11430, Attn: Frequency Management Office. Phone 212-917-1179. (co31)

Exhibit 2
(Item No. 10)

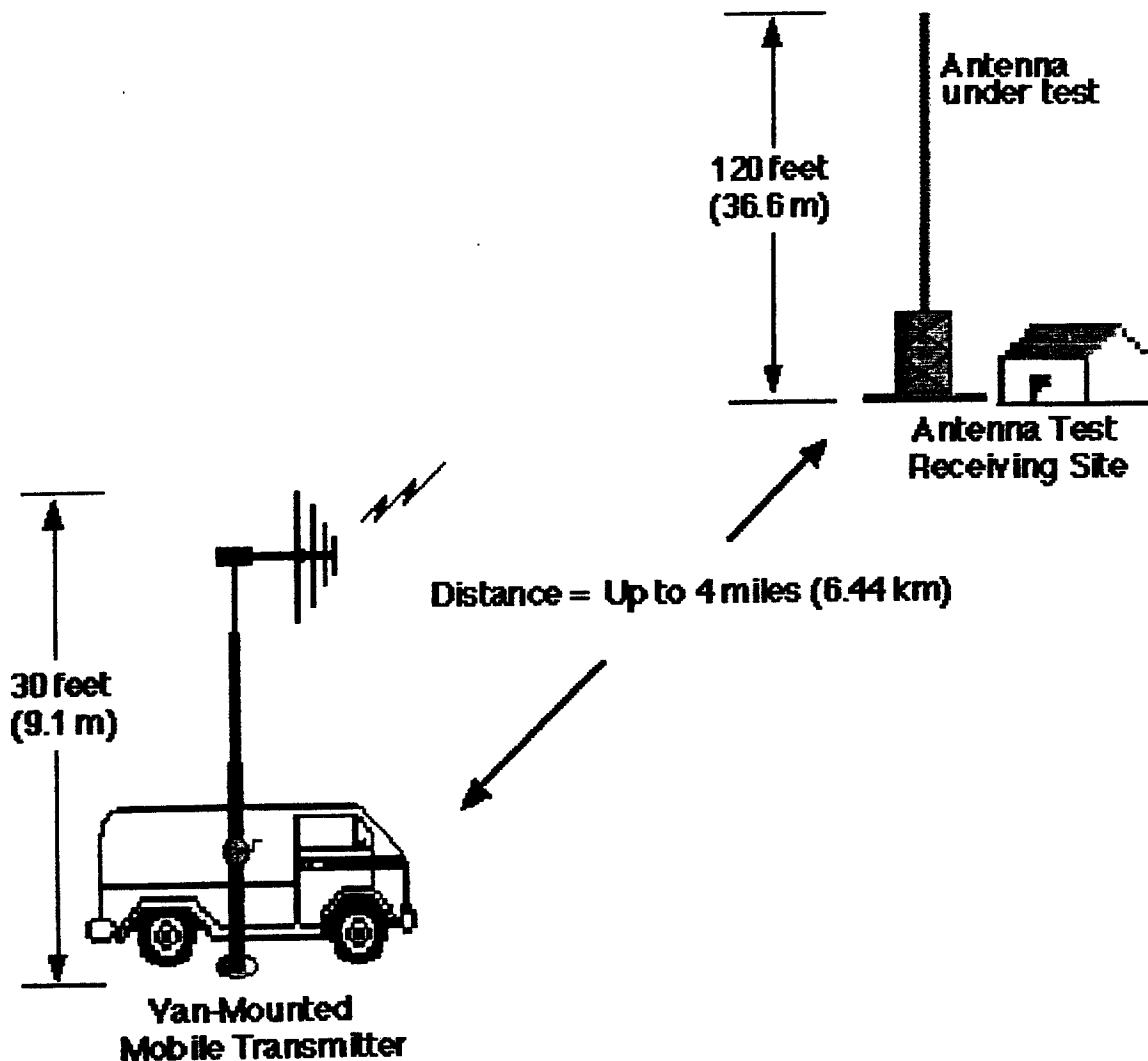
Response to FCC Form 442, Item No. 10:

- (a) The proposed facilities will be used to develop and then test operating parameters of broadcast, including high definition television (HDTV), and other communication system antennas. Frequently, unique antenna patterns are required and, for each, a unique design is fabricated and tested either at the proposed operating frequency or at a higher frequency that is amenable to testing. In the latter case, scaled components are designed and, when optimized, rebuilt to operate at the required frequency(ies).
- (b) Applicant's objectives are to design antennas for specific needs.
- (c) New antenna systems to satisfy specific needs expand the radio art by their very nature and promote utilization of the spectrum in more optimum ways.

Exhibit 3
(Item No. 15)

Response to FCC Form 442, Item No. 15:

The tests that are performed on various new antenna designs must include RF emission sources operating at some distance from the antenna under test. To accommodate the various needs, the facilities described below are planned for future antenna tests. The transmitting equipment are installed in a dedicated mobile van which is driven to points within 4 miles (6.44 kilometers) of the receiving site central coordinates [see FCC Form 442, Item No. 5(e)]. A van-mounted height-adjustable (to 30 feet or 9.1 meters) transmitting antenna is aimed at the antenna test receiving site and measurements of the antenna under test are recorded.



Note: 1,619 foot A.G.L. (494.5 m) Television tower is located approximately 1,000 feet (305 m) due West of planned Antenna Test Receiving Site.

Exhibit 4 (Item No. 15)

Supporting Response to FCC Form 442, Item No. 15(d):

This is an excerpt from the TV & Cable Factbook, 1993 Edition, showing the location and antenna height for Television Broadcast Station WGME-TV, Brown Hill, Raymond, Maine. The FAA compliant, painted and obstruction lighted, WGME-TV tower is located approximately 1,000 feet (305 meters) due West of the Applicant's Antenna Test Receiving Site. Thus, the WGME-TV tower tends to provide effective shielding, minimizing any aeronautical hazard of the antenna at the Applicant's Antenna Test Receiving Site.

Maine—Portland

WGME-TV

Ch. 13

Network Service: CBS.

Licenses: Guy Gannett Publishing Co., 1335 Washington Ave., Northport Business Park, Portland, ME 04103.

Studio: Northport Business Park, Portland, ME 04103.

Telephone: 207-797-9330. Fax: 207-878-3505.

Technical Facilities: Channel No. 13 (210-216 MHz). Authorized power: 295-kw visual, 29.5-kw aural. Antenna: 1610-ft. above terrain, 1619-ft. above ground, 2049-ft. above sea level.

Latitude 43° 55' 28"
Longitude 70° 29' 28"

Transmitter: Brown Hill, Raymond.

Satellite Earth Stations: C-band; Ku-band; W/A-Com, Scientific-Atlanta receivers.

News Service: AP, CBS.

Ownership: Guy Gannett Broadcasting Services (Group Owner).

Began Operation: May 16, 1954.

Represented (sales): TeleRep Inc.

Represented (legal): Dow, Lohnes & Albertson.

Represented (engineering): Lohnes & Culver.

Personnel:

William B. Slough, Vice President & General Manager.

Paul Sabin, General Sales Manager.

Mike Colette, Local Sales Manager.

Larry Henrichs, News Director.

Wayne Beamer, Business Manager.

Towle Tompkins, Marketing Manager.

Sharon Henrichs, Research Director.

Fred Desjardins, Chief Engineer.

Highest 30 Sec. Rate: \$1000.

NETWORK BASE HOURLY RATE: \$1000.

City of License: Portland. ADI: Portland-Poland Spring. Rank: 75.

Total Households: GMM Consumer Market Data as of 1/1/92. TV Homes, TV's and Circulation ©1992 Arbitron. County coverage based on Arbitron study.

Net Weekly Circulation	State County	Total Households	TV Households	%
50% & Over	MAINE			
	Androscoggin	40,400	39,900	99
	Cumberland	95,800	94,500	99
	Franklin	11,300	10,900	97
	Kennebec	45,100	44,300	98



Net Weekly Circulation	State County	Total Households	TV Households	%
50% & Over	Knox	14,700	14,300	97
	Litchie	12,200	12,000	98
	Oxford	20,400	20,100	99
	Sagadahoc	13,100	12,800	98
	York	65,200	64,400	99
Between 25-49%	MAINE Somerset	18,300	17,900	98
	NEW HAMPSHIRE Belknap	19,800	19,600	99
	Carroll	15,300	15,000	98
	Cook	13,700	13,700	99
	Stratford	38,400	37,800	98
Between 5-24%	MAINE Waldo	12,600	12,300	98
	NEW HAMPSHIRE Grafton	28,300	27,500	97
	Merrimack	46,600	45,800	98
	Rockingham	93,200	92,100	98
	VERMONT Essex	2,600	2,600	100
Station Total		607,200	597,500	98
Net Weekly Circulation (1992)			308,700	
Average Daily Circulation (1992)			168,700	