

Exhibit 1 - Item #4 - Particulars of Operation

FCC Identifier: K2EPCL-TX13000

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	0.02	2,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	0.02	2,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	0.02	2,000	PEAK	6M00G9W	See Exhibit #1D	6000

FCC Identifier: K2EPCL-TX18000

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	0.02	2,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	0.02	2,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	0.02	2,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

FCC Identifiers: K2EPCL-TX13001, K2EPCL-TX13004, or K2EPCL-RP13001

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	0.10	10,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	0.10	10,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	0.10	10,000	PEAK	6M00G9W	See Exhibit #1D	6000

FCC Identifiers: K2EPCL-TX18001, K2EPCL-TX18004, or K2EPCL-RP18001

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	0.10	10,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	0.10	10,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	0.10	10,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

**FCC Identifiers: K2EPCL-TX13051, K2EPCL-TX13001 + K2EPCL-PA13005,
K2EPCL-TX13004 + K2EPCL-PA13005, or K2EPCL-RP13005**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	0.50	50,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	0.50	50,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	0.50	50,000	PEAK	6M00G9W	See Exhibit #1D	6000

**FCC Identifiers: K2EPCL-TX18051, K2EPCL-TX18001 + K2EPCL-PA18005,
K2EPCL-TX18004 + K2EPCL-PA18005, or K2EPCL-RP18005**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	0.50	50,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	0.50	50,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	0.50	50,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

**FCC Identifiers: K2EPCL-TX13101, K2EPCL-TX13001 + K2EPCL-PA13010,
K2EPCL-TX13004 + K2EPCL-PA13010, or K2EPCL-RP13010**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	1.00	100,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	1.00	100,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	1.00	100,000	PEAK	6M00G9W	See Exhibit #1D	6000

**FCC Identifiers: K2EPCL-TX18101, K2EPCL-TX18001 + K2EPCL-PA18010,
K2EPCL-TX18004 + K2EPCL-PA18010, or K2EPCL-RP18010**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	1.00	100,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	1.00	100,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	1.00	100,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

**FCC Identifiers: K2EPCL-TX13201, K2EPCL-TX13001 + K2EPCL-PA13020,
K2EPCL-TX13004 + K2EPCL-PA13020, or K2EPCL-RP13020**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	2.00	200,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	2.00	200,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	2.00	200,000	PEAK	6M00G9W	See Exhibit #1D	6000

**FCC Identifiers: K2EPCL-TX18201, K2EPCL-TX18001 + K2EPCL-PA18020,
K2EPCL-TX18004 + K2EPCL-PA18020, or K2EPCL-RP18020**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	2.00	200,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	2.00	200,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	2.00	200,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

**FCC Identifiers: K2EPCL-TX13001 + K2EPCL-PA13050,
K2EPCL-TX13004 + K2EPCL-PA13050, or K2EPCL-RP13050**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	5.00	500,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	5.00	500,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	5.00	500,000	PEAK	6M00G9W	See Exhibit #1D	6000

**FCC Identifiers: K2EPCL-TX18001 + K2EPCL-PA18050,
K2EPCL-TX18004 + K2EPCL-PA18050, or K2EPCL-RP18050**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	5.00	500,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	5.00	500,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	5.00	500,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

**FCC Identifiers: K2EPCL-TX13001 + K2EPCL-PA13100,
K2EPCL-TX13004 + K2EPCL-PA13100, or K2EPCL-RP13100**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	10.00	1,000,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	10.00	1,000,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	10.00	1,000,000	PEAK	6M00G9W	See Exhibit #1D	6000

**FCC Identifiers: K2EPCL-TX18001 + K2EPCL-PA18100,
K2EPCL-TX18004 + K2EPCL-PA18100, or K2EPCL-RP18100**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	10.00	1,000,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	10.00	1,000,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	10.00	1,000,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit #1A - Emission Designator 5M75C3F

TV Modulator vestigial sideband A.M. Input to the modulator is baseband video with a resulting occupied bandwidth of 5.75 MHz (5750 kHz) for the VHF signal.

Exhibit #1B - Emission Designator 250KF3E

TV Modulator F.M. Input to modulator is baseband audio. The audio F.M. modulators VHF carrier that is 4.5 MHz above the video carrier referenced above. The total occupied bandwidth is 250 KHz including guard bands.

The combined VHF output from the video and audio baseband signals are contained in a 6 MHz channel. These channels are combined and input to the transmitter (see Exhibit #3 for complete list of transmitters). In band and out of band spurious are limited to less than -56 dBc.

Exhibit #1C - Emission Designator NON

An unmodulated carrier at approximately 73 MHz derived from the reference crystal oscillator. The total occupied bandwidth is less than 10 kHz.

Exhibit #1D - Emission Designator 6M00G9W

RF data modem with BPSK, FSK, MSK, PSK, 4PSK, QPSK, or OQPSK modulation. Input to modem may be digital data, facsimile, or digital audio. VHF output from the modem has an occupied bandwidth limited to 6 MHz (6000 kHz). More than one modem may be contained in any 6 MHz (6000 kHz) channel with various data rates. Various outputs from the data modems can be combined in a non contiguous fashion for input to the transmitter (see Exhibit #3 for complete list of transmitters). In band and out of band spurious signals are controlled by appropriate reduction of the transmitter power level so that such spurs are at least -56 dBc relative to the adjacent channel carrier.

Exhibit 2 - Item #10 - Usage of Experimental License

Blonder Tongue Laboratories, Inc. ("BTL") is a manufacturer of high performance microwave equipment for use under FCC Rule Parts 21, 74, 78, and 101.

The transmitters described herein will be operated in accordance with Section 5.202 (e) and (f) of the Commission's Rules for the purpose of making field strength surveys or equipment demonstrations.

Exhibit 3 - Item #13 - Transmitting Equipment

Manufacturer	Model Name	Description	FCC ID #	Quantity
Blonder Tongue	TX13000	Transmitter, 13 GHz, 20 mW, 1 Output	K2EPCL-TX13000	1
Blonder Tongue	TX13001	Transmitter, 13 GHz, 100 mW, 1 Output	K2EPCL-TX13001	1
Blonder Tongue	TX13051	Transmitter, 13 GHz, 500 mW, 1 Output	K2EPCL-TX13051	1
Blonder Tongue	TX13101	Transmitter, 13 GHz, 1.0 W, 1 Output	K2EPCL-TX13101	1
Blonder Tongue	TX13201	Transmitter, 13 GHz, 2.0 W, 1 Output	K2EPCL-TX13201	1
Blonder Tongue	TX13004	Transmitter, 13 GHz, 100 mW, 4 Output	K2EPCL-TX13001	1
Blonder Tongue	PA13005	Power Amplifier, 13 GHz, 500 mW	K2EPCL-PA13005	1
Blonder Tongue	PA13010	Power Amplifier, 13 GHz, 1.0 W	K2EPCL-PA13010	1
Blonder Tongue	PA13020	Power Amplifier, 13 GHz, 2.0 W	K2EPCL-PA13020	1
Blonder Tongue	PA13050	Power Amplifier, 13 GHz, 5.0 W	K2EPCL-PA13050	1
Blonder Tongue	PA13100	Power Amplifier, 13 GHz, 10 W	K2EPCL-PA13100	1
Blonder Tongue	RP13001	Repeater, 13 GHz, 100 mW	K2EPCL-RP13001	1
Blonder Tongue	RP13005	Repeater, 13 GHz, 500 mW	K2EPCL-RP13005	1
Blonder Tongue	RP13010	Repeater, 13 GHz, 1.0 W	K2EPCL-RP13010	1
Blonder Tongue	RP13020	Repeater, 13 GHz, 2.0 W	K2EPCL-RP13020	1
Blonder Tongue	RP13050	Repeater, 13 GHz, 5.0 W	K2EPCL-RP13050	1
Blonder Tongue	RP13100	Repeater, 13 GHz, 10 W	K2EPCL-RP13100	1

Exhibit 3 - Item #13 - Transmitting Equipment

Manufacturer	Model Name	Description	FCC ID #	Quantity
Blonder Tongue	TX18000	Transmitter, 18 GHz, 20 mW, 1 Output	K2EPCL-TX18000	1
Blonder Tongue	TX18001	Transmitter, 18 GHz, 100 mW, 1 Output	K2EPCL-TX18001	1
Blonder Tongue	TX18051	Transmitter, 18 GHz, 500 mW, 1 Output	K2EPCL-TX18051	1
Blonder Tongue	TX18101	Transmitter, 18 GHz, 1.0 W, 1 Output	K2EPCL-TX18101	1
Blonder Tongue	TX18201	Transmitter, 18 GHz, 2.0 W, 1 Output	K2EPCL-TX18201	1
Blonder Tongue	TX18004	Transmitter, 18 GHz, 100 mW, 4 Output	K2EPCL-TX18001	1
Blonder Tongue	PA18005	Power Amplifier, 18 GHz, 500 mW	K2EPCL-PA18005	1
Blonder Tongue	PA18010	Power Amplifier, 18 GHz, 1.0 W	K2EPCL-PA18010	1
Blonder Tongue	PA18020	Power Amplifier, 18 GHz, 2.0 W	K2EPCL-PA18020	1
Blonder Tongue	PA18050	Power Amplifier, 18 GHz, 5.0 W	K2EPCL-PA18050	1
Blonder Tongue	PA18100	Power Amplifier, 18 GHz, 10 W	K2EPCL-PA18100	1
Blonder Tongue	RP18001	Repeater, 18 GHz, 100 mW	K2EPCL-RP18001	1
Blonder Tongue	RP18005	Repeater, 18 GHz, 500 mW	K2EPCL-RP18005	1
Blonder Tongue	RP18010	Repeater, 18 GHz, 1.0 W	K2EPCL-RP18010	1
Blonder Tongue	RP18020	Repeater, 18 GHz, 2.0 W	K2EPCL-RP18020	1
Blonder Tongue	RP18050	Repeater, 18 GHz, 5.0 W	K2EPCL-RP18050	1
Blonder Tongue	RP18100	Repeater, 18 GHz, 10 W	K2EPCL-RP18100	1

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FCC Identifier: K2EPCL-TX13000

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	0.02	2,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	0.02	2,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	0.02	2,000	PEAK	6M00G9W	See Exhibit #1D	6000

FCC Identifier: K2EPCL-TX18000

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	0.02	2,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	0.02	2,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	0.02	2,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

FCC Identifiers: K2EPCL-TX13001, K2EPCL-TX13004, or K2EPCL-RP13001

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	0.10	10,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	0.10	10,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	0.10	10,000	PEAK	6M00G9W	See Exhibit #1D	6000

FCC Identifiers: K2EPCL-TX18001, K2EPCL-TX18004, or K2EPCL-RP18001

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	0.10	10,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	0.10	10,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	0.10	10,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

**FCC Identifiers: K2EPCL-TX13051, K2EPCL-TX13001 + K2EPCL-PA13005,
K2EPCL-TX13004 + K2EPCL-PA13005, or K2EPCL-RP13005**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	0.50	50,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	0.50	50,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	0.50	50,000	PEAK	6M00G9W	See Exhibit #1D	6000

**FCC Identifiers: K2EPCL-TX18051, K2EPCL-TX18001 + K2EPCL-PA18005,
K2EPCL-TX18004 + K2EPCL-PA18005, or K2EPCL-RP18005**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	0.50	50,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	0.50	50,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	0.50	50,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

**FCC Identifiers: K2EPCL-TX13101, K2EPCL-TX13001 + K2EPCL-PA13010,
K2EPCL-TX13004 + K2EPCL-PA13010, or K2EPCL-RP13010**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	1.00	100,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	1.00	100,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	1.00	100,000	PEAK	6M00G9W	See Exhibit #1D	6000

**FCC Identifiers: K2EPCL-TX18101, K2EPCL-TX18001 + K2EPCL-PA18010,
K2EPCL-TX18004 + K2EPCL-PA18010, or K2EPCL-RP18010**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	1.00	100,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	1.00	100,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	1.00	100,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

**FCC Identifiers: K2EPCL-TX13201, K2EPCL-TX13001 + K2EPCL-PA13020,
K2EPCL-TX13004 + K2EPCL-PA13020, or K2EPCL-RP13020**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	2.00	200,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	2.00	200,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	2.00	200,000	PEAK	6M00G9W	See Exhibit #1D	6000

**FCC Identifiers: K2EPCL-TX18201, K2EPCL-TX18001 + K2EPCL-PA18020,
K2EPCL-TX18004 + K2EPCL-PA18020, or K2EPCL-RP18020**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	2.00	200,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	2.00	200,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	2.00	200,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

**FCC Identifiers: K2EPCL-TX13001 + K2EPCL-PA13050,
K2EPCL-TX13004 + K2EPCL-PA13050, or K2EPCL-RP13050**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	5.00	500,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	5.00	500,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	5.00	500,000	PEAK	6M00G9W	See Exhibit #1D	6000

**FCC Identifiers: K2EPCL-TX18001 + K2EPCL-PA18050,
K2EPCL-TX18004 + K2EPCL-PA18050, or K2EPCL-RP18050**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	5.00	500,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	5.00	500,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	5.00	500,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit 1 - Item #4 - Particulars of Operation

**FCC Identifiers: K2EPCL-TX13001 + K2EPCL-PA13100,
K2EPCL-TX13004 + K2EPCL-PA13100, or K2EPCL-RP13100**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
12700-13200	10.00	1,000,000	PEAK	5M75C3F	See Exhibit #1A	5750
12700-13200	10.00	1,000,000	PEAK	250KF3E	See Exhibit #1B	250
12700-13200	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
12700-13200	10.00	1,000,000	PEAK	6M00G9W	See Exhibit #1D	6000

**FCC Identifiers: K2EPCL-TX18001 + K2EPCL-PA18100,
K2EPCL-TX18004 + K2EPCL-PA18100, or K2EPCL-RP18100**

(A) Frequency Range (MHz)	(B) Output Power (W)	(C) Radiated Power (W ERP)	(D) Mean/Peak	(E) Emission Designator	(F) Modulating Signal	(G) Necessary Bandwidth (kHz)
17700-19700	10.00	1,000,000	PEAK	5M75C3F	See Exhibit #1A	5750
17700-19700	10.00	1,000,000	PEAK	250KF3E	See Exhibit #1B	250
17700-19700	0.50	50,000	PEAK	NON	See Exhibit #1C	<10
17700-19700	10.00	1,000,000	PEAK	6M00G9W	See Exhibit #1D	6000

Exhibit #1A - Emission Designator 5M75C3F

TV Modulator vestigial sideband A.M. Input to the modulator is baseband video with a resulting occupied bandwidth of 5.75 MHz (5750 kHz) for the VHF signal.

Exhibit #1B - Emission Designator 250KF3E

TV Modulator F.M. Input to modulator is baseband audio. The audio F.M. modulators VHF carrier that is 4.5 MHz above the video carrier referenced above. The total occupied bandwidth is 250 KHz including guard bands.

The combined VHF output from the video and audio baseband signals are contained in a 6 MHz channel. These channels are combined and input to the transmitter (see Exhibit #3 for complete list of transmitters). In band and out of band spurious are limited to less than -56 dBc.

Exhibit #1C - Emission Designator NON

An unmodulated carrier at approximately 73 MHz derived from the reference crystal oscillator. The total occupied bandwidth is less than 10 kHz.

Exhibit #1D - Emission Designator 6M00G9W

RF data modem with BPSK, FSK, MSK, PSK, 4PSK, QPSK, or OQPSK modulation. Input to modem may be digital data, facsimile, or digital audio. VHF output from the modem has an occupied bandwidth limited to 6 MHz (6000 kHz). More than one modem may be contained in any 6 MHz (6000 kHz) channel with various data rates. Various outputs from the data modems can be combined in a non contiguous fashion for input to the transmitter (see Exhibit #3 for complete list of transmitters). In band and out of band spurious signals are controlled by appropriate reduction of the transmitter power level so that such spurs are at least -56 dBc relative to the adjacent channel carrier.

Exhibit 2 - Item #10 - Usage of Experimental License

Blonder Tongue Laboratories, Inc. (BTL) is a manufacturer of high performance microwave equipment for use under FCC Rule parts 21, 74, 78, and 94.

The transmitters described herein will be operated in accordance with Section 5.202 (e) and (f) of the Commission's Rules for the purpose of making field strength surveys or equipment demonstrations.

Exhibit 3 - Item #13 - Transmitting Equipment

Manufacturer	Model Name	Description	FCC ID #	Quantity
Blonder Tongue	TX13000	Transmitter, 13 GHz, 20 mW, 1 Output	K2EPCL-TX13000	1
Blonder Tongue	TX13001	Transmitter, 13 GHz, 100 mW, 1 Output	K2EPCL-TX13001	1
Blonder Tongue	TX13051	Transmitter, 13 GHz, 500 mW, 1 Output	K2EPCL-TX13051	1
Blonder Tongue	TX13101	Transmitter, 13 GHz, 1.0 W, 1 Output	K2EPCL-TX13101	1
Blonder Tongue	TX13201	Transmitter, 13 GHz, 2.0 W, 1 Output	K2EPCL-TX13201	1
Blonder Tongue	TX13004	Transmitter, 13 GHz, 100 mW, 4 Output	K2EPCL-TX13001	1
Blonder Tongue	PA13005	Power Amplifier, 13 GHz, 500 mW	K2EPCL-PA13005	1
Blonder Tongue	PA13010	Power Amplifier, 13 GHz, 1.0 W	K2EPCL-PA13010	1
Blonder Tongue	PA13020	Power Amplifier, 13 GHz, 2.0 W	K2EPCL-PA13020	1
Blonder Tongue	PA13050	Power Amplifier, 13 GHz, 5.0 W	K2EPCL-PA13050	1
Blonder Tongue	PA13100	Power Amplifier, 13 GHz, 10 W	K2EPCL-PA13100	1
Blonder Tongue	RP13001	Repeater, 13 GHz, 100 mW	K2EPCL-RP13001	1
Blonder Tongue	RP13005	Repeater, 13 GHz, 500 mW	K2EPCL-RP13005	1
Blonder Tongue	RP13010	Repeater, 13 GHz, 1.0 W	K2EPCL-RP13010	1
Blonder Tongue	RP13020	Repeater, 13 GHz, 2.0 W	K2EPCL-RP13020	1
Blonder Tongue	RP13050	Repeater, 13 GHz, 5.0 W	K2EPCL-RP13050	1
Blonder Tongue	RP13100	Repeater, 13 GHz, 10 W	K2EPCL-RP13100	1

Exhibit 3 - Item #13 - Transmitting Equipment

Manufacturer	Model Name	Description	FCC ID #	Quantity
Blonder Tongue	TX18000	Transmitter, 18 GHz, 20 mW, 1 Output	K2EPCL-TX18000	1
Blonder Tongue	TX18001	Transmitter, 18 GHz, 100 mW, 1 Output	K2EPCL-TX18001	1
Blonder Tongue	TX18051	Transmitter, 18 GHz, 500 mW, 1 Output	K2EPCL-TX18051	1
Blonder Tongue	TX18101	Transmitter, 18 GHz, 1.0 W, 1 Output	K2EPCL-TX18101	1
Blonder Tongue	TX18201	Transmitter, 18 GHz, 2.0 W, 1 Output	K2EPCL-TX18201	1
Blonder Tongue	TX18004	Transmitter, 18 GHz, 100 mW, 4 Output	K2EPCL-TX18001	1
Blonder Tongue	PA18005	Power Amplifier, 18 GHz, 500 mW	K2EPCL-PA18005	1
Blonder Tongue	PA18010	Power Amplifier, 18 GHz, 1.0 W	K2EPCL-PA18010	1
Blonder Tongue	PA18020	Power Amplifier, 18 GHz, 2.0 W	K2EPCL-PA18020	1
Blonder Tongue	PA18050	Power Amplifier, 18 GHz, 5.0 W	K2EPCL-PA18050	1
Blonder Tongue	PA18100	Power Amplifier, 18 GHz, 10 W	K2EPCL-PA18100	1
Blonder Tongue	RP18001	Repeater, 18 GHz, 100 mW	K2EPCL-RP18001	1
Blonder Tongue	RP18005	Repeater, 18 GHz, 500 mW	K2EPCL-RP18005	1
Blonder Tongue	RP18010	Repeater, 18 GHz, 1.0 W	K2EPCL-RP18010	1
Blonder Tongue	RP18020	Repeater, 18 GHz, 2.0 W	K2EPCL-RP18020	1
Blonder Tongue	RP18050	Repeater, 18 GHz, 5.0 W	K2EPCL-RP18050	1
Blonder Tongue	RP18100	Repeater, 18 GHz, 10 W	K2EPCL-RP18100	1