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Nov 28 '95

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November 28, 1995

Mr. H. Franklin Wright
Spectrum Utilization and Economics Branch
Office of Engineering and Technology
Federal Communications Commission
2000 M Street, N.W., Room 230
Washington, DC 20054

Re: Experimental Station KI2XIE
Corbin City (Atlantic City), New Jersey
File Nos. 4264-EX-PL-94 and 4426-EX-ML-94

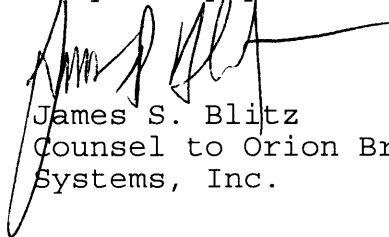
Dear Mr. Wright:

Transmitted herewith, on behalf of Orion Broadcasting Systems, Inc. ("Orion"), is the sixth status report required pursuant to a condition placed on the above-referenced Experimental Station license.

This report contains further results of the testing Orion has conducted in conjunction with Decathlon Communications, Inc. Future status reports will contain additional analysis of the results of these tests.

Should further questions arise in connection with this matter, please communicate directly with the undersigned.

Very truly yours,



James S. Blitz
Counsel to Orion Broadcasting
Systems, Inc.

Enclosure

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Test location

Atlantic County, Corbin City N.J. in the service area of Orion Broadcasting.

Participants

Orion Broadcasting

Purpose of test:

To evaluate the effects of an adjacent analog channel on a digital channel and the effects of a digital channel in an analog system using a standard down converter.

Test Method

A 64 QAM digital signal was transmitted at 100% power from the head end of Orion Broadcasting using the equipment setup in EXHIBIT B. Adjacent analog channels were 38 and 40 with channel 39 transmitting a digital signal.

Test Results and Conclusion

The results of the tests are attached as exhibit D. The digital signal employing the Decathelon filtering system is setup up as per exhibit B. A standard NTSC signal was used on adjacent channels to see if they would have an effect on the digital channel. These adjacent channels showed no visual effects on the digital signal. The digital signal did not have an adverse effect on the standard down converter used for analog signal. With this in mind the operator of a MMDS system will not have to go completely digital or stay totally analog while upgrading their system. This gives the operator the option of how many channels he or she would like to go digital with while still utilizing some of the existing analog channels.

The digital channel was set at 100% The adjacent channels power output was adjusted with the visual power output. Settings at 70%, 100% and 120% A standard input video signal of 1 volt peak to peak nominal.

Adjustments were made by the front panel of the EMCEE transmitters, using the power output adjustment.

EQUIPMENT SETUP

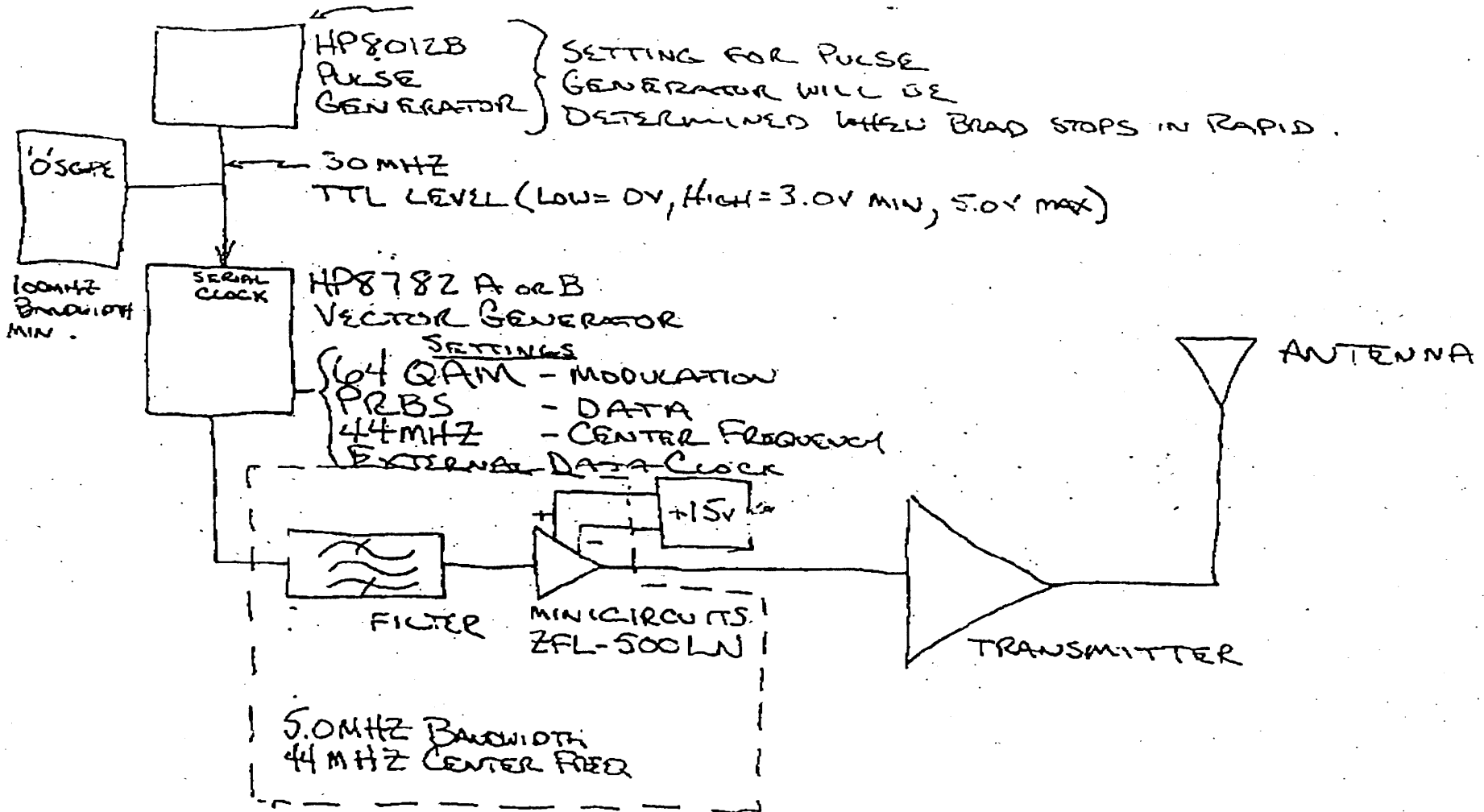


EXHIBIT B

LOCATION USING STD DOWN CONVERTER	DISTANCE FROM HEAD END	ITFS CH 39 ADJACENT TEST CH POWER	ITFS CH 39 DIGITAL CH IN RESPECTS TO 38:	(EXHIBIT D) ITFS CH 39 DIGITAL CH PWR	ITFS CH 39 DIGITAL CH IN RESPECTS TO 40:	ITFS CH 40 ADJACENT TEST CH POWER
CROSSINGS MOTOR LODGE	10 MILES	70%	NO CHANGE	100%	NO CHANGE	70%
		100%	NO CHANGE		NO CHANGE	100%
		120%	NO CHANGE		NO CHANGE	120%
TOP O' THE WAVES	11 MILES	70%	NO CHANGE	100%	NO CHANGE	70%
		100%	NO CHANGE		NO CHANGE	100%
		120%	NO CHANGE		NO CHANGE	120%
WESLEY INN	12 MILES	70%	NO CHANGE	100%	NO CHANGE	70%
		100%	NO CHANGE		NO CHANGE	100%
		120%	NO CHANGE		NO CHANGE	120%
HAMPTON INN	20 MILES	70%	NO CHANGE	100%	NO CHANGE	70%
		100%	NO CHANGE		NO CHANGE	100%
		120%	NO CHANGE		NO CHANGE	120%
RUBY'S	20 MILES	70%	NO CHANGE	100%	NO CHANGE	70%
		100%	NO CHANGE		NO CHANGE	100%
		120%	NO CHANGE		NO CHANGE	120%
ORION (OFFICE)	15 MILES	70%	NO CHANGE	100%	NO CHANGE	70%
		100%	NO CHANGE		NO CHANGE	100%
		120%	NO CHANGE		NO CHANGE	120%