

Bridgelight Corporation, LLC

Exhibit 1 – Notice of Proposed Changes FM Translator Feed Plan

The only proposed change to the instant application is to specify and clarify the intermediate feed channel and translator(s) for the proposed translator. The proposed FM translator is a singleton translator that is proposed to be fed by WRDR via an additional singleton translator(s) as part of a larger regional plan of FM translators. In the initial filing of the instant FM translator application, the information from the staff was unclear as to the procedure for filing for FM translators that were proposed to be linked to other FM translators with a common originating station.

The applicant has performed a propagation study using the FCC f(50,50) curves and has determined that there is no immediate or reasonable distant predicted co-channel interferent to the WRDR signal at the Shirley, NY transmitter location. The applicant plans to use highly directional antennas and state-of-the-art receivers with published sensitivities and selectivities, that are a matter of record with the FCC, to achieve the reception of each of the FM translators' associated signals in the plan even in the presence of some adjacent channel interference. The applicant would like to direct the media bureau staff to a study from the OET Report # FCC/OET TRB-99-3, dated July 1999, that included measured specifications of several FM broadcast receivers. The table below is a direct excerpt from the study on Pages 4 and 5 (Table 1).

Table 1. Receiver Sample

FM Broadcast Receiver Sample			Quieting Sensitivity Data	
Make	Model	S/N	Cat	50 dB quieting data*
Panasonic	SA-AK20	P7FF72002	II	18.2 uV
Sharp	CD-C460	70673438	II	32.1 uV
Sony	HCD-RX100AV	8013673	II	16.6 uV
Aiwa	CX-NA71U	509PM7330068	II	15.6 uV
Soundesign	5868-A	10614521	II	60.2 uV
Model 5868-A measured 35 dB quieting				
Pioneer	KEH-1060	SGTRO177570C	III	1.6 uV
Sony	CDX-2250	3509959	III	3.4 uV
Kenwood	KRC-1007	81201333	III	0.75 uV

Clarion	RAX-3410	0091203	III	1.8 uV
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Note: The test modulation for the quieting measurements was L= -R in accordance with the procedure in IEEE Std 185-1975.

* Except as noted

Table 1. Receiver Sample (continued)

FM Broadcast Receiver Sample			Quieting Sensitivity Data	
Make	Model	S/N	Cat	50 dB quieting data*
Jensen	CS-1000	YT55020	III	63.8 uV
				Model CS-1000 measured 38 dB quieting
Jensen	JS-6100	YT71586	III	5.6 uV
				Model JS-6100 measured 37 dB quieting
JVC	KS-FX240	104X2417	III	2.7 uV
Technics	SA-EX110P-K	GY8KA43249	IV	15.6 uV
Sony	STR-DE310	8153385	IV	20.2 uV
Onkyo	TX-8211	5809070044	IV	17.6 uV
Kenwood	103AR	81000511	IV	50.6 uV
				Model 103AR measured 35 dB quieting
Denon	DRA355	60342821	IV	73.2 Uv
Aiwa	AV-D55	555PM9450004	IV	53.0 Uv
Pioneer	SX-205	TCDIO21147US	IV	26.3 uV
				Model SX-205 measured 35 dB quieting
Pioneer	TX-950	FA3610551	IV	16.0 uV
				Model TX-950 measured 39 dB quieting
Sherwood	59400CP	940-842825	IV	446.0 uV

Note: The test modulation for the quieting measurements was L= -R in accordance with the procedure in IEEE Std 185-1975.

* Except as noted

A signal level of 10 dBu is defined as 3 microvolts (0.003 mV) by the FCC media bureau's own online calculator found at:

<http://www.fcc.gov/mb/audio/bickel/findvalues.html>

It can be clearly seen from the table above that four consumer receivers manufactured by Pioneer, Kenwood, Clarion, and JVC have tested to have sensitivity levels that are below 3 microvolts for 50 dB SINAD. This is in addition to specifications published by industrial receiver manufacturers such as Dayton Industrial, Fanfare, Magnum-Dynalab and Inovonics. The FCC study does not apparently address the ability of a receiver to operate in monaural mode making the signal-to-noise ratio actually increase for a given input signal level. This alone proves that the proposed WRDR signal level of f(50,50) 10.4 dBu to NEW-T, Shirley, NY, BNPFT20030812AAT is reasonable, given the FCC's own tests. This information is conservative in nature in that it does not account for adjacent channel rejection of external filters, directionality of commonly used antennas, gain of commonly used directional receive antennas, and other active system gain devices to produce a significantly higher signal level. Commonly used Scala 8000/2A preamplifiers provide noise figures below 1.5 dB, eliminating any concern over feedline losses. Antennas providing 9.5 dBd gain per boom, such as the 10 element Scala HDCA-10 and can easily be stacked into a 2x2 grid providing an additional 6 dB of gain. The conversion of dBd to dBi gives an additional 2.14 dB gain. Thus 17.64 dBi antenna gain can be achieved. Using the circularly polarized version of these antennas, the two polarizations can be added to get another 3 dB of arriving signal.

While it is understandably necessary for the FCC to attempt to eliminate abusive applications, it is the burden of the applicant to practically engineer and install the proposed translators in such a way that will accomplish responsible, reliable service to the public. In the event that the applicant is unable to practically comply with any link in the proposed network, appropriate technical steps will be taken to modify, via minor modification, the granted applications in order to allow the FM translators to practically receive the signal of the associated originating station or translator, while preserving service to the public for a given FM translator. The proposed arrangement of the translator regional plan relevant to the instant application are attached.

Planned arrangement for Bridgelight Corporation, LLC

WRDR, Freehold, NJ, BLED20011129AAA - Originating Station

Feeds

NEW-T, Shirley, NY, BNPFT20030812AAT

f(50,50) Arriving feed Signal Level = 10.4 dBu

Feeds

NEW-T, Manorville, NY, BNPFT20030812AAU

f(50,50) Arriving feed Signal Level = 37 dBu

Feeds

NEW-T, Southampton, NY, BNPFT20030812ACG

f(50,50) Arriving feed Signal Level = 35 dBu

Feeds

NEW-T, Montauk, NY BNPFT20030812ACH

f(50,50) Arriving feed Signal Level = 29 dBu

NEW-T Southampton, NY, BNPFT20030812ACG

Also feeds

NEW-T, Clinton, CT, BNPFT20030812ABG

f(50,50) Arriving feed Signal Level = 25 dBu