

## **Exhibit 17**

### **Engineering Statement**

The Instant Application 302 proposes a Channel Change and Upgrade of NCE WSSH-FM, Lisbon, New Hampshire.  
Facility Id 176846

The Applicant, Nostalgia One Public Radio, Inc. proposes to move from channel 209, down to channel 207, Non-Commercial Educational FM Facilities, licensed to Lisbon, New Hampshire. The proposal calls for 5 kw Directional Antenna, from the current site to protect WVPR Windsor, Vt. Channel 208.

The Applicant notes the presence of a LPFM Application for channel 206, which (as a secondary service) will be precluded by the instant application for full power FM, upgrade on channel 207.

**Exhibit 16, Community Coverage**...shows the proposed channel 207 facilities, 60 dBu Service Contour covers 100-percent of the Community of license, Lisbon, New Hampshire.

**Exhibit 17, Interference Compliance**... consists of a Frequency Separation Study completed with ComStudy 2.0, showing the proposal clear to all Domestic and International Stations Allotments and Applications.

**Exhibit 18, Contour Overlap Compliance**... is a Contour Study of the Proposed Class "A" NCE Facilities on channel 207 at Lisbon, New Hampshire. \*note: the proposed F-50/10, 34 dBu Contour does not cross the 65km Protected Arc of station CIMX, Montreal Quebec.

[illegible]

Map Scale: 1:487870    1 cm = 4.88 km    V/H Size: 77.17 x 80.35 km

**89.3 Reserved NE Channel, Lisbon, NH**  
**Frequency Separation Study (ComStudy 2.0)**

**5kw Dir. 38 Meters AGL**  
**44-13-11 X 71-52-07**

Callsign	State	City	Freq	Channel	ERP_w	Class	Status	Distance_km	Sep	Clr	
WHCT-LP	CT	HARTFORD	82.1	6	10	TV	APP	272.54	0	0	
W12BZ	NY	ROME	82.1	6	600	TV	APP	312.13	0	0	
WWDG-CA	NY	ROME	82.1	6	600	TV	APP	312.13	0	0	
VACANT	QC	MONTREAL	82.1	6	2400	TV	APP	197.43	0	0	
CBVT-6	QC	BEAUCEVILLE	82.1	6	11100	TV	APP	239.67	0	0	
WRGB	NY	SCHENECTAD	82.1	6	14000	TV	CP	246.16	0	0	
CBVT6	QC	BEAUCEVILLE	82.1	6	19500	TV	APP	239.67	0	0	
WRGB	NY	SCHENECTAD	82.1	6	30200	TV	LIC	247.93	0	0	
CBMT	QC	MONTREAL	82.1	6	100000	TV	APP	197.43	0	0	
WWPV-FM	VT	COLCHESTER	88.7	204	100	A	LIC	107.69	31	39.86 dB	
951214MA	VT	EAST BERKSH	88.7	204	1000	A	APP	102.94	31	33.25 dB	
WRVT	VT	RUTLAND	88.7	204	4800	C2	LIC	117.36	55	28.37 dB	
WSEW	ME	SANFORD	88.7	204	10000	B	LIC	123.73	69	38.50 dB	
	QU	LENNOXVILLI	88.9	205	0	A		127.44	45	37.83 dB	
	QU	LENNOXVILLI	88.9	205	0	A		130.82	45	39.06 dB	
	QU	SHERBROOKI	88.9	205	0	B		130.82	76	39.06 dB	
	QU	SHERBROOKI	88.9	205	0	B		130.82	76	39.06 dB	
WMDR-FM	ME	OAKLAND	88.9	205	100000	C0	LIC	115.49	86	23.90 dB	
NEW	NH	LISBON	89.1	206	100	LP100	APP	4.24	56	-56.43 dB	N/A *
WYTC-LP	VT	HYDE PARK	89.1	206	100	LP100	LIC	74.06	56	11.65 dB	
WVXM	VT	MIDDLEBURY	89.1	206	3100	A	CP	105.76	72	20.04 dB	
WMHT-FM	NY	SCHENECTAD	89.1	206	6100	B	LIC	247.93	113	32.68 dB	
WEVO	NH	CONCORD	89.1	206	15000	B1	LIC	114.15	96	13.18 dB	
WEVO	NH	CONCORD	89.1	206	50000	B	LIC	114.15	113	6.91 dB	

	QC	VICTORIAVILLE	89.3	207	0	A		202	132	21.00 dB
	QU	MONTREAL	89.3	207	0	B		197.43	206	22.26 dB
	QU	ST-GEORGE-LE	89.3	207	0	A		228.47	132	26.97 dB
WMUD-LP	NY	MORIAH	89.3	207	100	LP100	LIC	132.53	67	16.60 dB
WAMH	MA	AMHERST	89.3	207	130	A	LIC	211.07	115	33.05 dB
WQPH	MA	SHIRLEY	89.3	207	580	A	LIC	185.26	115	26.48 dB
WHSN	ME	BANGOR	89.3	207	3000	A	LIC	253.63	115	30.77 dB
WUMD	MA	NORTH DARTMOUTH	89.3	207	9600	B1	LIC	296.32	143	33.76 dB
WMSJ	ME	FREEPORT	89.3	207	14000	B	LIC	133.85	178	0.50 dB
NEW	NH	MADBURY	89.5	208	100	LP100	APP	142.56	56	27.20 dB
WWTP	ME	AUGUSTA	89.5	208	480	A	CP	177.03	72	30.20 dB
WWTP	ME	AUGUSTA	89.5	208	690	A	LIC	174.89	72	31.29 dB
WVPR	VT	WINDSOR	89.5	208	1700	B	LIC	98.78	113	-0.15 dB
WSLU	NY	CANTON	89.5	208	40000	C2	LIC	259.67	106	36.37 dB
	QU	FLEURIMONT	89.7	209	0	B		130.82	76	39.06 dB
	QU	SHERBROOK	89.7	209	0	B		130.82	76	39.06 dB
	QU	SHERBROOK	89.7	209	0	B		125.21	76	37.26 dB
CBF-2	QC	SHERBROOK	89.7	209	680	B		130.82	76	38.68 dB
WCMD-FM	VT	BARRE	89.9	210	940	A	LIC	49.74	31	17.45 dB
NEW	NH	BETHLEHEM	99.9	260	100	LP100	APP	15.71	7	8.7

N/A\* Low Power FM Application,(Secondary Service) does not need to be considered for Full Power FM Upgrade.

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Map Scale: 1:1951480    1 cm = 19.51 km    V/H Size: 308.69 x 321.41 km