CONSOLIDATED ENGINEERING EXHIBIT
NEW FX, FIN #202492
May 2018

Figure 1 shows that the 60 dBu contour of the proposed translator is fully contained within a 25-mile radius of the co-located AM parent station, WLAM.

Figures 2 and 3 demonstrate that the proposed translator will create no interference to any stations on co-, first-, second-, third-adjacent or IF frequencies, except with respect to third-adjacent WJBQ, which delivers 75.4 dBu at the proposed translator site.

Using the proposed Shively 6812-3 bay fullwave antenna, the 115.4 dBu interfering contour from the proposed translator will reach no closer than 18.2 meters above ground level. As **Figure 4** illustrates, there are no buildings of that height in any proximity to the proposed translator site. Under 74.1204(d), it is thus shown that there is no population in the interference area.

Figure 1
Proposed Coverage Contour

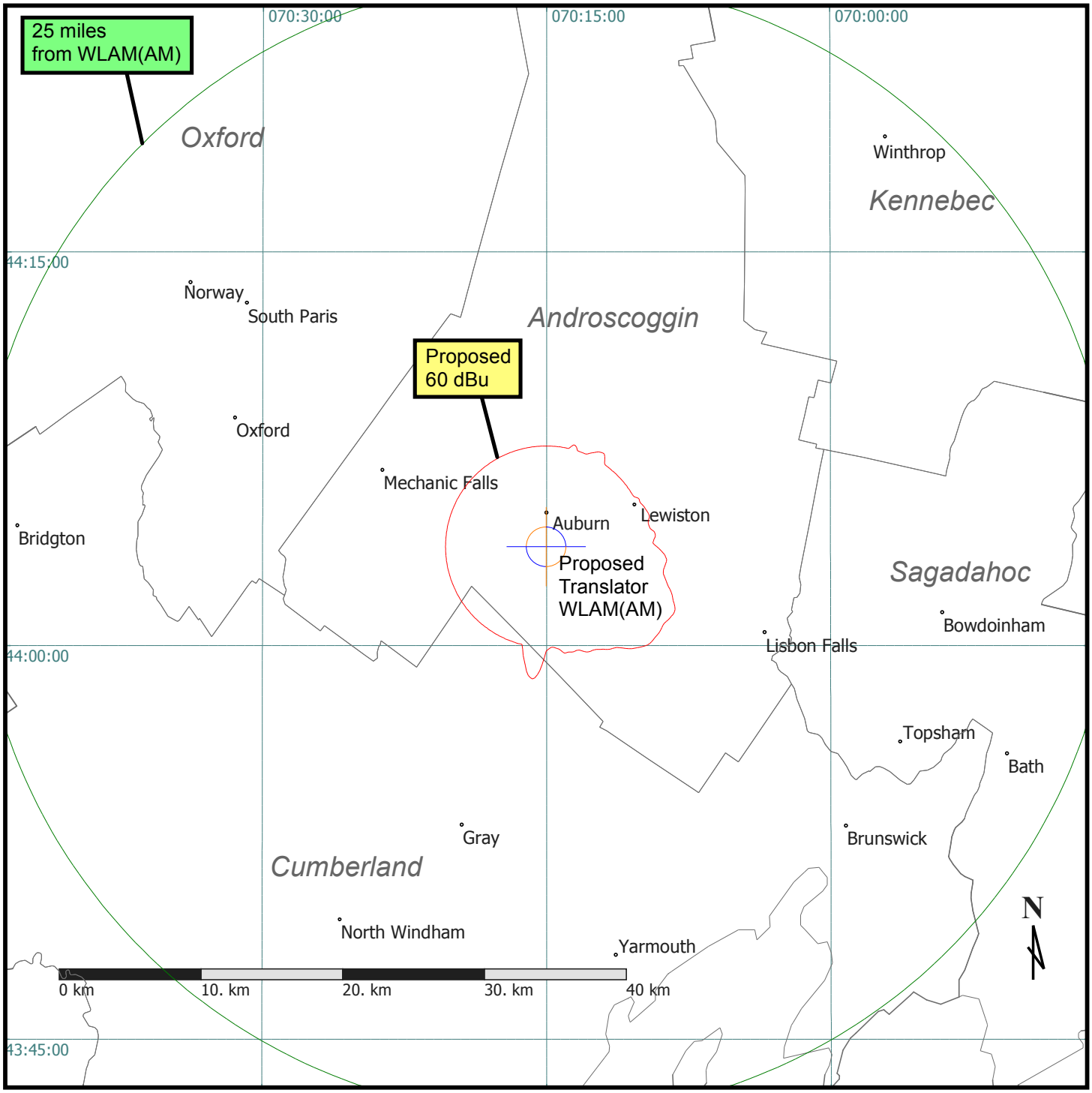


Figure 2
Co-Channel and 1st-Adjacent Interference Contours

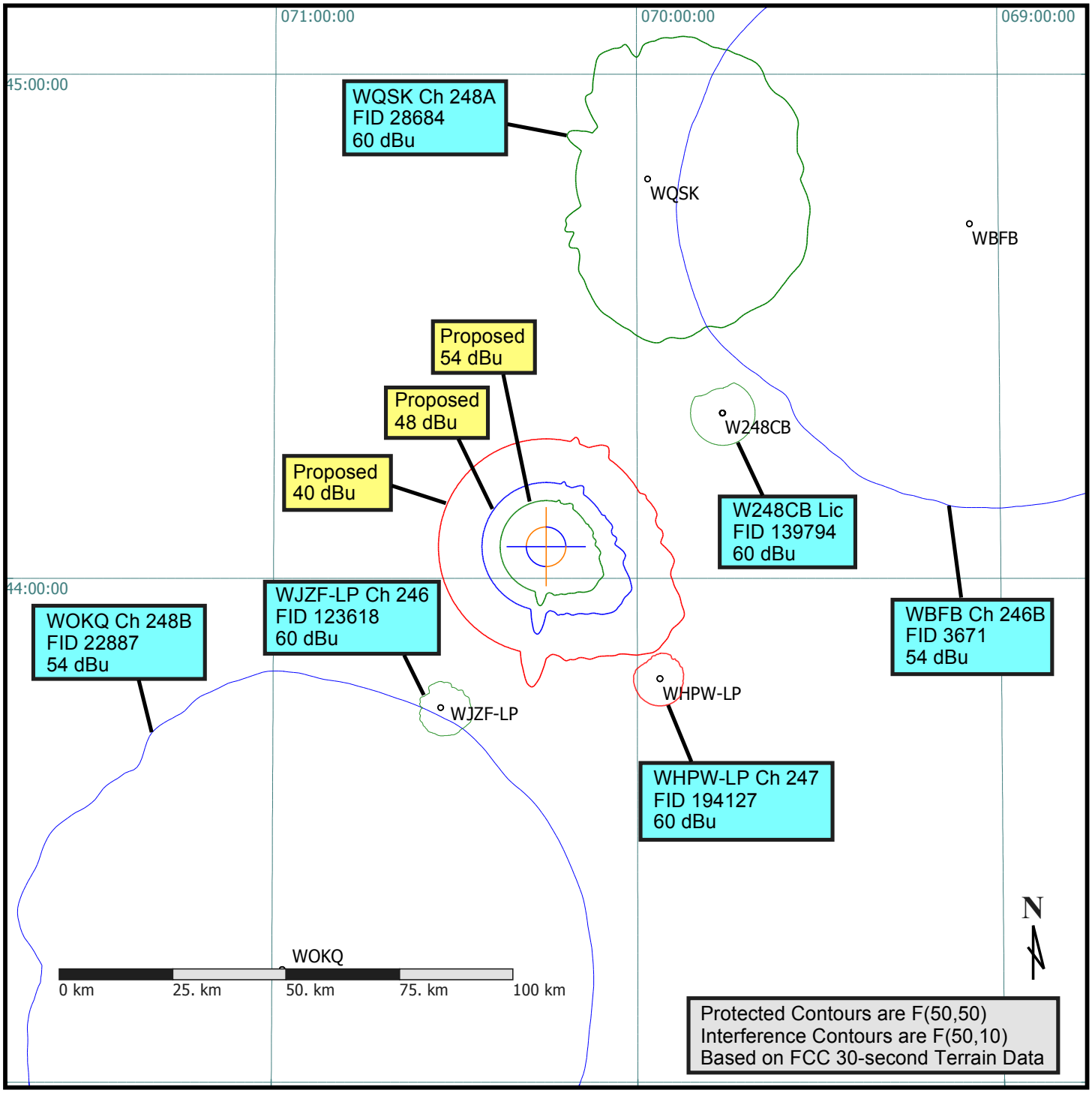
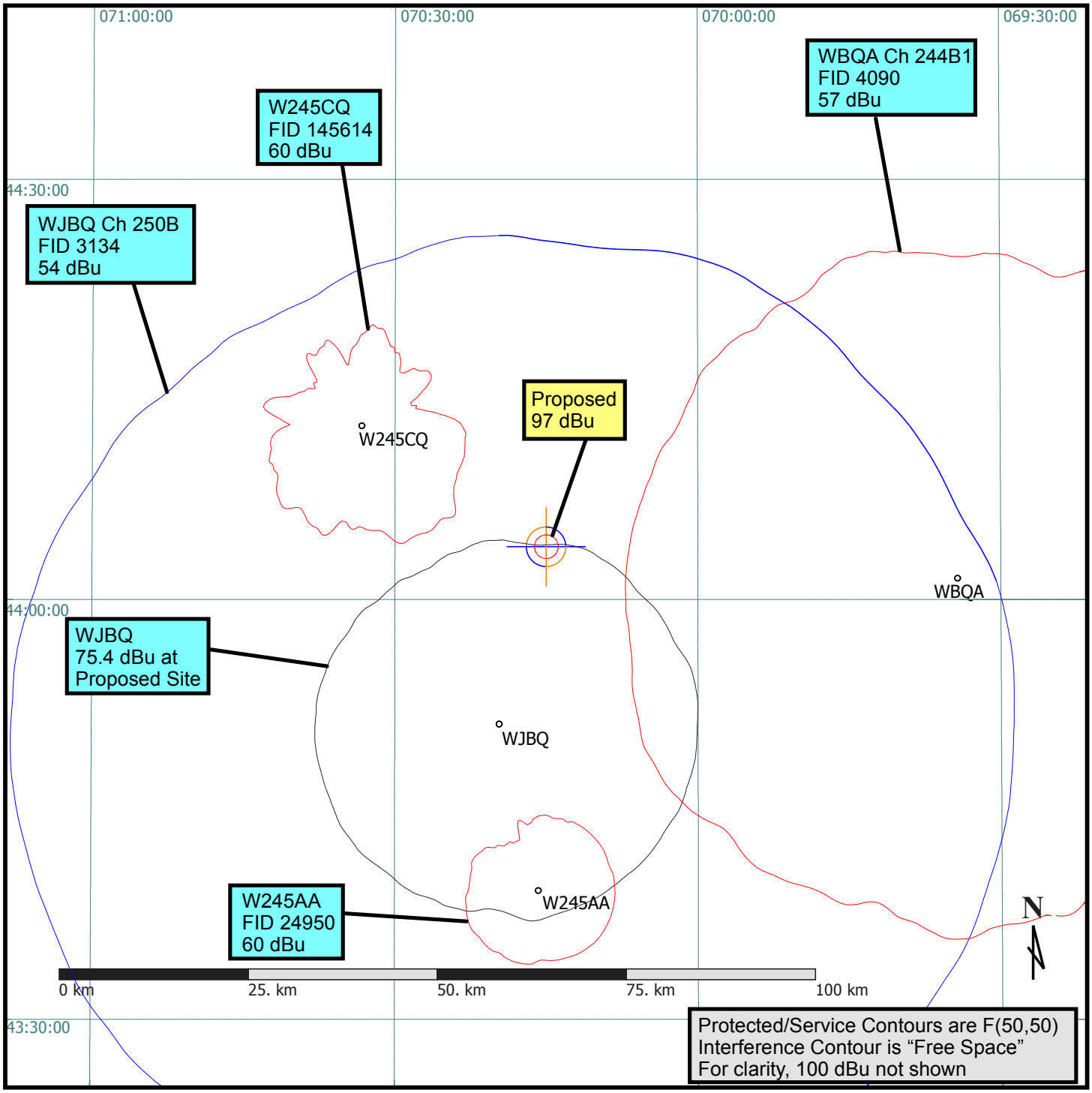


Figure 3
2nd- and 3rd-Adjacent Interference Contours



ERP(kW):	0.250	Depression Angle	Rel Field	ERP (kW)	ERP (dBk)	Slant Dist to Int	Clearance Above Ground
HAGL(m):	52.000	(Degrees)				(Meters)	(Meters)
dBu:	115.400						
		0	1.000	0.250	-6.02	188.4	52.0
		1	0.997	0.249	-6.05	187.8	48.7
		2	0.988	0.244	-6.13	186.1	45.5
		3	0.973	0.237	-6.26	183.3	42.4
		4	0.952	0.227	-6.45	179.3	39.5
		5	0.926	0.214	-6.69	174.4	36.8
		6	0.894	0.200	-6.99	168.4	34.4
		7	0.858	0.184	-7.35	161.6	32.3
		8	0.816	0.166	-7.79	153.7	30.6
		9	0.771	0.149	-8.28	145.2	29.3
		10	0.723	0.131	-8.84	136.2	28.4
		11	0.671	0.113	-9.49	126.4	27.9
		12	0.616	0.095	-10.23	116.0	27.9
		13	0.560	0.078	-11.06	105.5	28.3
		14	0.502	0.063	-12.01	94.6	29.1
		15	0.443	0.049	-13.09	83.4	30.4
		16	0.384	0.037	-14.33	72.3	32.1
		17	0.325	0.026	-15.78	61.2	34.1
		18	0.267	0.018	-17.49	50.3	36.5
		19	0.210	0.011	-19.58	39.6	39.1
		20	0.155	0.006	-22.21	29.2	42.0
		21	0.102	0.003	-25.85	19.2	45.1
		22	0.052	0.001	-31.70	9.8	48.3
		23	0.004	0.000	-53.98	0.8	51.7
		24	0.040	0.000	-33.98	7.5	48.9
		25	0.081	0.002	-27.85	15.3	45.6
		26	0.118	0.003	-24.58	22.2	42.3
		27	0.151	0.006	-22.44	28.4	39.1
		28	0.181	0.008	-20.87	34.1	36.0
		29	0.206	0.011	-19.74	38.8	33.2
		30	0.227	0.013	-18.90	42.8	30.6
		31	0.244	0.015	-18.27	46.0	28.3
		32	0.257	0.017	-17.82	48.4	26.3
		33	0.266	0.018	-17.52	50.1	24.7

		34	0.272	0.018	-17.33	51.2	23.4
		35	0.274	0.019	-17.27	51.6	22.4
		36	0.272	0.018	-17.33	51.2	21.9
		37	0.267	0.018	-17.49	50.3	21.7
		38	0.260	0.017	-17.72	49.0	21.9
		39	0.249	0.016	-18.10	46.9	22.5
		40	0.236	0.014	-18.56	44.5	23.4
		41	0.221	0.012	-19.13	41.6	24.7
		42	0.205	0.011	-19.79	38.6	26.2
		43	0.186	0.009	-20.63	35.0	28.1
		44	0.167	0.007	-21.57	31.5	30.1
		45	0.146	0.005	-22.73	27.5	32.6
		50	0.036	0.000	-34.89	6.8	46.8
		55	0.066	0.001	-29.63	12.4	41.8
		60	0.141	0.005	-23.04	26.6	29.0
		65	0.183	0.008	-20.77	34.5	20.8
		70	0.191	0.009	-20.40	36.0	18.2
		75	0.170	0.007	-21.41	32.0	21.1
		80	0.127	0.004	-23.94	23.9	28.4
		85	0.069	0.001	-29.24	13.0	39.1