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B. W. St. Clair

COMPREHENSIVE TECHNICAL EXHIBIT

MINOR CHANGE APPLICATION
KYNM-LP (CLASS A)
FCC FILE NUMBER BLTTA-20050203ADT
BELMAX BROADCASTING LLC

Application for Minor Change in licensed facility. The within application is an application for minor change to the above-entitled facility due to recent loss of access to existing transmitter site. This application replaces application BSTA-20130613ABH.

Exhibit to demonstrate *de minimus* effect on Class A database. Attached is a map showing comparison of the within-proposed antenna site and coverage pattern. The exhibit demonstrates that with respect to location and coverage there is no significant alteration of the Class A database. The proposed transmitter location is only 320 meters from the licensed transmitter site and is within the same secure tower farm as previously. The antenna pattern is a custom-crafted Scala antenna array which is contiguous to or just within the licensed antenna pattern; the beneficial coverage area is identical.

Interference analysis. Application when subjected to the FCC Longley-Rice interference study, shows compliance with all applicable ruleparts respective to interference to other Part 73 and Part 74 authorizations and applications.

Antenna structure. Application employs unregistered antenna structure located on tower farm containing structures which are registered. Registration of proposed structure not required; structure is less than 6.1 meters above ground level and thus clears TOWAIR analysis.

NIER of the within proposal is less than 5% of the upper limit for its service and structure is not shared with other authorizations. Public access to entire site area is prohibited by sturdy fencing.

James R. McDonald
February 4, 2014

attached: map

KYNM-LP

BLTTA20050203ADT

Latitude: 35-12-44 N

Longitude: 106-26-58 W

ERP: 8.41 kW

Channel: 30+

Frequency: 569.5 MHz

AMSL Height: 3286.0 m

Elevation: 3258.0 m

Horiz. Pattern: Directional

Vert. Pattern: Yes

Elec Tilt: 0.0

Prop Model: Longley/Rice

Climate: Cont temperate

Conductivity: 0.0050

Dielec Const: 15.0

Refractivity: 311.0

Receiver Ht AG: 10.0 m

Receiver Gain: 0 dB

Time Variability: 50.0%

Sit. Variability: 50.0%

ITM Mode: Broadcast

