

**Engineering Statement
In Support of an
Application for a Construction Permit
KCVK(FM), Otterville, Missouri**

KCVK Protected/KCLQ Interfering FM Overlap Study

KCVK
Channel = 299A
Max ERP = 2.5 kW
RCAMSL = 405 M
N. Lat = 383921
W. Lng = 925427

KCLQ
Channel = 300C2
Max ERP = 19 kW
RCAMSL = 523 M
N. Lat = 374811
W. Lng = 923301

Protected
60 dBu

Interfering
54 dBu

Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Azimuth (degrees)	ERP (kW)	HAAT (m)	Dist (km)	Actual (dBu)
140.0	002.5000	0143.0	027.1	349.5	019.0000	0216.2	075.2	53.5
141.0	002.5000	0144.0	027.2	349.2	019.0000	0215.9	074.9	53.6
142.0	002.5000	0145.1	027.3	348.9	019.0000	0215.5	074.6	53.7
143.0	002.5000	0146.2	027.4	348.6	019.0000	0215.2	074.3	53.8
144.0	002.5000	0147.3	027.5	348.3	019.0000	0214.7	074.0	53.9
145.0	002.5000	0148.2	027.6	348.0	019.0000	0214.1	073.7	53.9
146.0	002.5000	0148.5	027.6	347.6	019.0000	0213.4	073.5	54.0
147.0	002.5000	0148.4	027.6	347.3	019.0000	0212.6	073.4	54.0
148.0	002.5000	0148.0	027.6	346.9	019.0000	0211.6	073.2	54.0
149.0	002.5000	0147.4	027.5	346.5	019.0000	0210.5	073.1	54.0
150.0	002.5000	0147.0	027.5	346.2	019.0000	0209.3	073.0	54.0
151.0	002.5000	0146.9	027.5	345.8	019.0000	0208.2	072.9	54.0
152.0	002.5000	0146.7	027.4	345.5	019.0000	0207.0	072.8	54.0
153.0	002.5000	0146.1	027.4	345.1	019.0000	0205.8	072.7	53.9
154.0	002.5000	0145.3	027.3	344.7	019.0000	0204.7	072.7	53.9
155.0	002.5000	0144.6	027.3	344.3	019.0000	0203.6	072.7	53.9
156.0	002.5000	0144.2	027.2	344.0	019.0000	0202.6	072.6	53.8
157.0	002.5000	0143.9	027.2	343.6	019.0000	0201.8	072.6	53.8
158.0	002.5000	0143.2	027.2	343.2	019.0000	0201.1	072.6	53.8
159.0	002.5000	0142.2	027.1	342.8	019.0000	0200.5	072.7	53.7
160.0	002.5000	0141.0	027.0	342.5	019.0000	0199.9	072.7	53.7