

EXHIBIT 10  
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SPECIAL OPERATING CONDITIONS

Kent State University  
Kent, OH

The construction permit to modify the WKSU-FM Kent auxiliary antenna system includes a condition requiring that partial proofs of performance be conducted on WJMP(AM) - Kent, Ohio, both prior to the beginning of the construction of the tower used to support the WKSU-FM auxiliary antenna system and again following the completion of the construction of these facilities, to document that the construction of these facilities has not adversely impacted the daytime directional pattern of WJMP(AM) - Kent, Ohio. WJMP operates daytime only on 1520 kHz at a power level of 1 kilowatt using a six tower directional antenna system from a transmitter site that is located 2.9 kilometers (1.8 miles) from the new transmitter site for the WKSU-FM Kent auxiliary antenna system.

Stability problems were encountered with the WJMP directional antenna system between the “before” and “after” partial proof of performance measurements, which required WJMP to undertake repairs and perform a minor readjustment to its daytime directional pattern. As a result of these problems, a comparison between the “before” and “after” measurements on WJMP was totally meaningless. Following the completion of the WJMP pattern readjustment, a partial proof of performance was conducted and included as part of a 302-AM application for direct measurement of power for WJMP.

The partial proof of performance measurements were conducted on each of the WJMP monitor point radials measured in the 1965 full proof of performance and consisted of at least eight points on each radial, when possible. These measurements were analyzed versus the full proof using log ratio analysis techniques. Tables 10.0

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through 10.5 present the daytime directional measurements made after readjustment of the WJMP daytime directional antenna system.<sup>1</sup> These tables also contain the log ratio analysis for each of these radials. Table 10.6 is a tabulation of the inverse field strengths measured in this proof. The standard pattern limit for each radial is also tabulated in this table, showing that the measured field strength does not exceed the limit on any radial.

The above information documents that the WJMP daytime directional antenna system is in proper adjustment following the completion of the construction of the WKSU-FM auxiliary facilities. Additional right angle reradiation measurements were also conducted on the tower which supports the modified WKSU-FM Kent auxiliary antenna system and showed virtually no reradiation of the WJMP signal by this tower. Thus, based on this data, it is obvious that the construction of the modified Kent auxiliary antenna system for WKSU-FM has not had any adverse impact on the operation of the WJMP directional antenna system.

It is on the basis of the above information that the attached application certifies that the applicant has complied with all special operating conditions in response to Question 8 in Section III of FCC Form 302-FM.

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<sup>1</sup>All field strength measurement and analysis data presented in these tables is identical to that presented in the WJMP application for direct measurement of power.

TABLE 10.0  
WJMP DAYTIME DIRECTIONAL  
FIELD STRENGTH MEASUREMENTS  
42.00 DEGREE RADIAL

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KENT STATE UNIVERSITY  
KENT, OH

(1)	(2)	(3)	(4)	(5)
POINT	DISTANCE	1965 DAYTIME FIELD STRENGTH	PRESENT DAYTIME FIELD STRENGTH	LOG RATIO
	(mi)	(mV/m)	(mV/m)	(4)/(3)
21-MP	2.20	9.400	4.000	-0.3711
22	2.85	5.300	3.250	-0.2124
23	3.30	2.900	1.200	-0.3832
24	3.90	3.050	1.150	-0.4236
25	4.80	2.700	0.940	-0.4582
26	5.80	1.700	0.760	-0.3496
27	7.30	1.200	0.340	-0.5477
28	9.00	0.460	0.300	-0.1856
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LOG AVERAGE: 0.4301

ALL POINTS MEASURED ON 6/12/02 BETWEEN THE HOURS OF 1142 AND 1217  
EDT BY DEREK GORMAN USING POTOMAC INSTRUMENTS FIM-21 S/N 537.

TABLE 10.1  
WJMP DAYTIME DIRECTIONAL  
FIELD STRENGTH MEASUREMENTS  
57.00 DEGREE RADIAL

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KENT STATE UNIVERSITY  
KENT, OH

(1)	(2)	(3)	(4)	(5)
POINT	DISTANCE	1965 DAYTIME FIELD STRENGTH	PRESENT DAYTIME FIELD STRENGTH	LOG RATIO
	(mi)	(mV/m)	(mV/m)	(4)/(3)
22-MP	2.20	12.000	4.400	-0.4357
23	2.60	11.000	3.700	-0.4732
25	3.60	4.700	1.150	-0.6114
27	5.35	2.900	0.750	-0.5873
28	5.60	2.000	0.700	-0.4559
29	6.35	2.300	0.490	-0.6715
30	7.55	1.500	0.400	-0.5740
31	8.85	1.100	0.270	-0.6100

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LOG AVERAGE: 0.2803

ALL POINTS MEASURED ON 6/12/02 BETWEEN THE HOURS OF 1046 AND 1128  
EDT BY DEREK GORMAN USING POTOMAC INSTRUMENTS FIM-21 S/N 537.

TABLE 10.2  
WJMP DAYTIME DIRECTIONAL  
FIELD STRENGTH MEASUREMENTS  
72.00 DEGREE RADIAL

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KENT STATE UNIVERSITY  
KENT, OH

(1)	(2)	(3)	(4)	(5)
		1965	PRESENT	
		DAYTIME	DAYTIME	LOG
POINT	DISTANCE	FIELD STRENGTH	FIELD STRENGTH	RATIO
	(mi)	(mV/m)	(mV/m)	(4)/(3)
21-MP	2.40	2.200	4.000	0.2596
22	3.25	2.100	2.100	0.0000
23	3.80	1.300	1.450	0.0474
24	4.15	0.530	1.050	0.2969
25	4.95	1.050	1.050	0.0000
26	6.15	0.500	0.250	-0.3010
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			LOG AVERAGE:	1.1233

ALL POINTS MEASURED ON 6/11/02 BETWEEN THE HOURS OF 1608 AND 1637  
EDT BY DEREK GORMAN USING POTOMAC INSTRUMENTS FIM-21 S/N 537.

TABLE 10.3  
WJMP DAYTIME DIRECTIONAL  
FIELD STRENGTH MEASUREMENTS  
99.00 DEGREE RADIAL

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KENT STATE UNIVERSITY  
KENT, OH

(1)	(2)	(3)	(4)	(5)
POINT	DISTANCE	1965 DAYTIME FIELD STRENGTH	PRESENT DAYTIME FIELD STRENGTH	LOG RATIO
	(mi)	(mV/m)	(mV/m)	(4)/(3)
15-MP	1.45	27.000	21.500	-0.0989
22	2.50	14.900	8.600	-0.2387
23	3.00	10.000	4.800	-0.3188
25	3.80	8.900	4.500	-0.2962
27	4.28	9.000	2.700	-0.5229
29	5.00	5.600	2.150	-0.4157
30	6.40	3.800	0.850	-0.6504
31	8.30	3.250	0.950	-0.5342

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LOG AVERAGE: 0.4126

ALL POINTS MEASURED ON 6/12/02 BETWEEN THE HOURS OF 1257 AND 1352  
EDT BY DEREK GORMAN USING POTOMAC INSTRUMENTS FIM-21 S/N 537.

TABLE 10.4  
WJMP DAYTIME DIRECTIONAL  
FIELD STRENGTH MEASUREMENTS  
175.00 DEGREE RADIAL

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KENT STATE UNIVERSITY  
KENT, OH

(1)	(2)	(3)	(4)	(5)
POINT	DISTANCE	1965 DAYTIME FIELD STRENGTH	PRESENT DAYTIME FIELD STRENGTH	LOG RATIO
	(mi)	(mV/m)	(mV/m)	(4)/(3)
15-MP	1.50	5.400	11.500	0.3283
21	2.40	1.850	3.400	0.2643
22	2.50	1.990	4.400	0.3446
24	3.50	0.750	3.200	0.6301
25	4.02	0.710	1.250	0.2457
28	5.78	0.530	0.650	0.0886
30	8.00	0.320	0.480	0.1761
31	10.00	0.170	0.280	0.2167

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LOG AVERAGE: 1.9355

ALL POINTS MEASURED ON 6/11/02 BETWEEN THE HOURS OF 1259 AND 1451  
EDT BY DEREK GORMAN USING POTOMAC INSTRUMENTS FIM-21 S/N 537.

TABLE 10.5  
WJMP DAYTIME DIRECTIONAL  
FIELD STRENGTH MEASUREMENTS  
205.00 DEGREE RADIAL

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KENT STATE UNIVERSITY  
KENT, OH

(1)	(2)	(3)	(4)	(5)
POINT	DISTANCE	1965 DAYTIME FIELD STRENGTH	PRESENT DAYTIME FIELD STRENGTH	LOG RATIO
	(mi)	(mV/m)	(mV/m)	(4)/(3)
17-MP	1.70	9.500	8.000	-0.0746
21	2.55	4.600	4.700	0.0093
23	3.50	2.200	2.850	0.1124
25	4.60	2.150	1.400	-0.1863
26	5.20	0.550	0.720	0.1170
27	5.90	1.300	1.100	-0.0726
28	7.80	0.710	0.510	-0.1437
29	9.65	0.200	0.190	-0.0223

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LOG AVERAGE: 0.9277

ALL POINTS MEASURED ON 6/11/02 BETWEEN THE HOURS OF 1249 AND 1420  
EDT BY DEREK GORMAN USING POTOMAC INSTRUMENTS FIM-21 S/N 537.

**TABLE 10.6**  
**TABULATION OF MEASURED**  
**WJMP DAYTIME DIRECTIONAL**  
**INVERSE FIELD STRENGTHS**

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 KENT STATE UNIVERSITY  
 KENT, OH

RADIAL (Degrees)	1965 DAYTIME INVERSE FIELD (mV/m)		LOG AVERAGE	PRESENT DAYTIME INVERSE FIELD (mV/m)		RADIATION LIMIT (mV/m)	
	(mi)	(km)		(mi)	(km)	(mi)	(km)
42.00	28.0	45.1	0.4301	12.0	19.4	44.8	72.1
57.00	50.0	80.5	0.2803	14.0	22.6	65.7	105.7
72.00	13.0	20.9	1.1233	14.6	23.5	30.6	49.2
99.00	75.0	120.7	0.4126	30.9	49.8	96.5	155.3
175.00	8.5	13.7	1.9355	16.5	26.5	19.0	30.6
205.00	26.0	41.8	0.9277	24.1	38.8	28.3	45.5