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RF Radiation Hazard Measurements for the common transmitter site of WSLC-FM, 94.9 MHz, 100 kW, WSLQ-FM, 99.1 MHz, 200 kW and WXLK-FM, 92.3 MHz, 100 kW located on Poor Mountain in Roanoke County Virginia.

Areas in and around the transmitter site were surveyed on May 16, 2012 with a Narda NBM-550 Broadband Field Meter equipped with a NAR-EA-5091 probe to determine possible RF Radiation hazards. Both un-controlled and controlled areas were measured in accordance with OET Bulletin 65.

All RFR levels in un-controlled, publicly accessible areas were found to be less than 20% of the limit for general public exposure (200 uW/cm²) as defined in Bulletin OET-65. Controlled areas were found to be less than 52% of the limit for occupational exposure (1000 uW/cm²) as defined in Bulletin OET-65.


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FIG. 1
WLSL/WLSQ/WXLK
Ground Level RFR Data Point Locations
May 2012

0.72
FD P.L.
MOUNTAIN

Point	Value (mW/cm ²)	Point	Value (mW/cm ²)	Point	Value (mW/cm ²)
1	0.03	51	0.12	101	0.16
2	0.05	52	0.10	102	0.11
3	0.07	53	0.27	103	0.10
4	0.06	54	0.19	104	0.05
5	0.07	55	0.10	105	0.10
6	0.09	56	0.09	106	0.05
7	0.10	57	0.09	107	0.05
8	0.06	58	0.09	108	0.05
9	0.05	59	0.10	109	0.02
10	0.05	60	0.09	110	0.05
11	0.08	61	0.11	111	0.05
12	0.07	62	0.18	112	0.08
13	0.09	63	0.06	113	0.03
14	0.08	64	0.11	114	0.05
15	0.07	65	0.17	115	0.02
16	0.08	66	0.07	116	0.05
17	0.11	67	0.08	117	0.06
18	0.15	68	0.09	118	0.08
19	0.15	69	0.14	119	0.05
20	0.12	70	0.07	120	0.05
21	0.12	71	0.06	121	0.06
22	0.08	72	0.07	122	0.10
23	0.03	73	0.15	123	0.12
24	0.04	74	0.29	124	0.14
25	0.04	75	0.26	125	0.15
26	0.03	76	0.25		
27	0.03	77	0.32		
28	0.07	78	0.38		
29	0.24	79	0.07		
30	0.21	80	0.05		
31	0.18	81	0.36		
32	0.18	82	0.51		
33	0.15	83	0.31		
34	0.08	84	0.08		
35	0.02	85	0.26		
36	0.02	86	0.19		
37	0.02	87	0.24		
38	0.03	88	0.31		
39	0.02	89	0.25		
40	0.03	90	0.12		
41	0.02	91	0.11		
42	0.10	92	0.08		
43	0.35	93	0.12		
44	0.25	94	0.10		
45	0.21	95	0.06		
46	0.15	96	0.13		
47	0.16	97	0.21		
48	0.30	98	0.16		
49	0.21	99	0.12		
50	0.12	100	0.14		

FIG.2

WSLC/WSLQ/WXLK Transmitter site

Poor Mtn, near Roanoke VA.

16 May 2012

Tabulated ground level RFR data points inside the controlled area.

See Fig. 1 for location reference.

Areas surrounding these recorded points, including those areas outside the controlled area were measured well within public limit.