

August 14, 2017

Steven A. Broeckaert
Senior Deputy Chief, Policy Division
Media Bureau
Federal Communications Commission
445 12th Street, SW
Washington DC, 20554

**Re: Ellington Broadcasting, WHCQ-LD v Cable One Inc. (MB Docket 17-96),
Memorandum Opinion and Order, DA 17-710 (rel. July 24, 2017).**

**Ellington Broadcasting, WPRQ-LD v Cable One Inc. (MB Docket 17-58),
Memorandum Opinion and Order, DA 17-711 (rel. July 24, 2017).**

Dear Mr. Broeckaert:

In accordance with the instructions provided in above-captioned orders, Cable One Inc. ("Cable One") has timely completed separate signal tests of WPRQ-LD (Clarksdale, MS) and WHCQ-LD (Cleveland, MS) at its Cleveland and Clarksdale systems' principal headends. On the morning of August 9, 2017, Cable One technicians tested the signal strength of low power station WPRQ-LD at the Cleveland system principal headend. Later that afternoon and evening, Cable One technicians tested the signal strength of low power station WHCQ-LD at the Clarksdale system principal headend. David and Chad Ellington, representatives from Ellington Broadcasting, the licensee of the stations, were invited and in attendance at both tests. The results of those tests are as follows.

At both locations, third party contractor Millerco Tower Inc. installed a new, commercial grade Wade Antenna Model WL7-13/S VHF High Band Log Periodic 79004502 antenna on the headend tower at 180 feet, a height similar to which other broadcast station signals are received by the systems.¹ Millerco employees oriented the antennas directly towards the respective stations' broadcast locations, and peaked the antenna for optimum receive levels. A recently calibrated Trilithic model 860DSPI signal meter was used to measure the stations' signals. The weather was clear for both tests.

The results of the Cleveland headend test of WPRQ-LD indicate an unacceptable average signal level of -61.90 dBm at the input terminals of the signal processing equipment used to

¹ This height was also chosen because it well exceeded generally accepted good engineering practices for antenna height at 100 feet of height for every 25 miles of distance from the transmitter. Cleveland and Clarksdale are approximately 35 miles apart from one another.

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measure such signals.² Under Commission signal testing standards, a “good quality signal” for a digital television broadcast station is a measurement of at least -61 dBm.³ As WPRQ-LD fails to deliver a good quality signal to the Cleveland headend, it is confirmed that the station is not a “qualified low power station” entitled to carriage.⁴

We note that even if WPRQ-LD were to meet the “qualified low power station” test by delivering a good quality signal to the Cleveland headend, Cable One would still not be required to carry the station as the system’s statutory quota for low power station carriage is already filled. Pursuant to Section 614(c)(1)(B) of the Communications Act, the cable system is only required to carry two low power stations.⁵ The Cleveland system channel lineup attached as Exhibit B demonstrates that the system already carries two low power stations WNBD-LD and WHCQ-LD, and therefore carriage of WPRQ-LD, a third low power station, is not required.

The results of the Clarksdale headend test of WHCQ-LD’s signal on the other hand indicate an acceptable average signal level of -54.83 dBm.⁶ Accordingly, Cable One’s Clarksdale system will initiate carriage of WHCQ-LD on or before September 22, 2017. Such carriage will however depend upon Ellington Broadcasting first agreeing to indemnify Cable One for any increased compulsory copyright costs due to carriage of WHCQ-LD on the Clarksdale system as a “distant signal.” Such a requirement, which is expressly authorized by Section 614(b)(10)(B) of the Communications Act,⁷ is necessary because while WHCQ-LD may ostensibly be considered a “qualified low power station” under Section 76.55(d) of the Commission’s rules, it is a “distant signal” for purposes of Section 111 of the Copyright Act with

² See Cleveland signal test results attached as Exhibit A. During the test, the Ellington representatives requested testing via quad array antennas, a couple of which are installed on the Cleveland headend tower. However, as was explained during the testing, the quad array antennas on the towers are not currently in use, and indeed have not been in use or even maintained for almost a decade. As such, there is no basis for any claim that Cable One is required to test the WPRQ-LD signal using a quad array antenna in order to afford the station similar treatment to other broadcast stations carried by the system.

³ See 47 C.F.R. § 76.55(d)(pp); see also *In re Cable Television Technical and Operational Requirements*, MB 12-217, Notice of Proposed Rulemaking, 27 FCC Rcd 9678, 9700 ¶ 44 (2012).

⁴ 47 U.S.C. § 534(h)(2)(D); 47 C.F.R. § 76.55(d)(4).

⁵ 47 U.S.C. § 534(c)(1)(B).

⁶ See Clarksdale signal test results attached as Exhibit C.

⁷ 47 U.S.C. § 534(b)(10)(B) (“[A] cable operator may accept payments from stations which would be considered distant signals under section 111 of title 17 as indemnification for any increased copyright liability resulting from carriage of such signal”).

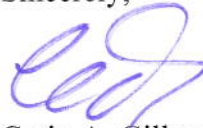
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respect to any community served by the system located more than 35 miles from the station's transmitter.⁸ Specifically, WHCQ-LD is "distant" with respect to Batesville, MS, one of the communities served by the Clarksdale system and which is located over 60 miles from the station's transmitter location. Cable One's carriage of the station in Batesville may therefore result in additional distant carriage copyright liability under the cable compulsory license, costs for which Cable One is statutorily entitled to seek reimbursement from Ellington Broadcasting.

Should there be any further questions regarding this matter, please contact the undersigned.

Sincerely,



Craig A. Gilley
Counsel for Cable One Inc.

cc: David Ellington
Ellington Broadcasting
P.O. Box 617
Webb, MS 38966

71171742v.1

⁸ 17 U.S.C. § 111(f)(4) ("In the case of a low power television station, as defined by the rules and regulations of the Federal Communications Commission, the "local service area of a primary transmitter" comprises the designated market area, as defined in section 122(j)(2)(C), that encompasses the community of license of such station and any community that is located outside such designated market area that is either wholly or partially within 35 miles of the transmitter site. . ."). We also note that while WHCQ-LD is located in the Greenwood-Greenville, MS DMA, Batesville is located in the Memphis DMA.

EXHIBIT A

MUST CARRY WORKSHEET

DATE: 8-09-17

CHANNEL #: 12.1

TIME: 4:30 PM

CALL SIGN: WPRQ LD

LOCATION: Cleveland, MS

FREQ (VID): 207.0000MHz.

SYSTEM: Cleveland, MS

TEMP (F): 86

TECH: Eugene Biller

ANTENNA HEIGHT (FT): 180

	TEST 1*	TEST 2*	TEST 3*	TEST 4*	TEST 5*	TEST 6*
1. Time of test (HH:MN / AM / PM)	4:30 PM	8:27 PM	12:26 AM	4:24 AM	8:22 AM	12:20 PM
2. Receive level @ processor (dBmV)	-17.6	-17.1	-15.5	-16.1	-17.2	-17.1
3. Antenna gain (dBi)	+11.5	+11.5	+11.5	+11.5	+11.5	+11.5
4. Cable loss 200ft x 1.81 dBmV/100FT	3.62	3.62	3.62	3.62	3.62	3.62
5. Splitter Loss (dBmV)	0	0	0	0	0	0
6. Receive level @ antenna (line 2+4+5)	-13.98	-13.48	-11.88	-12.48	-13.58	-13.48
7. Conversion to dBm	-48.7506	-48.7506	-48.7506	-48.7506	-48.7506	-48.7506
8. Receive level in dBm (line 6+7)	-62.73	-62.23	-60.63	-61.23	-62.33	-62.23
9. Pass / Fail (circle one): UHF (Pass = -45dBm)						
10. VHF (Pass = -61 dBm)	Fail	Fail	Pass	Fail	Fail	Fail

*NOTE: For UHF stations, if the test results are worse than -51 dBm (i.e., a higher negative number such as -52 dBm), Technician must complete at least four readings during a 2-hour period. If initial test results are between -51 dBm and -45 dBm, inclusive, six readings must be taken during a 24-hour period with measurements not more than 4 hours apart. For VHF stations, if the test results are worse than -55 dBm, Technician must complete at least four readings during a 2-hour period. If initial test results are between -55 dBm and -49 dBm, inclusive, six readings must be taken during a 24-hour period, with measurements not more than 4 hours apart.

10. Make & Model of Each Item of Equipment Used (include serial number, year manufactured & last calibration Date (if applicable)): Wade Antenna, Model WL7-13/S VHF High Band Log Periodic, Product 79004502, 7-17, 7-17, Meter info: Make: Trilithic, model: 860DSPI, Serial #254655, Manufacture date 2-2008, Calibration date 8-4-2017

11. Characteristics of Equipment Used (e.g., antenna ranges & radiation patterns): VHF High, Antenna mounted on tower. Antenna Range: 174-216MHz, VSWR 1.25:1, Beam width Hor.50deg.Ver. 70 deg., LENGTH 96", Width 33.6 IN. Weight 25 LBS.

12. Weather conditions (e.g., clear, cloudy, rain, snow, drizzle, fog): Clear, sunny

13. Antenna Orientation: Antenna facing north east towards the stations broadcast tower site at 18.25*

14. Description of test: Test ran on a clear day with an antenna height of 180Ft.

15. Picture quality: frozen or no picture at all, picture not viewable. MER 17.2, meter would not lock to QAM signal.

Comments: no comments

Technician Signature / Date

Broadcaster's Signature / Date (for joint tests)

Eugene Biller, Eugene Biller

Sketch Attached

Diagram for testing channel WPRQ LD.
Test location was Cleveland Headend,
Cleveland MS.

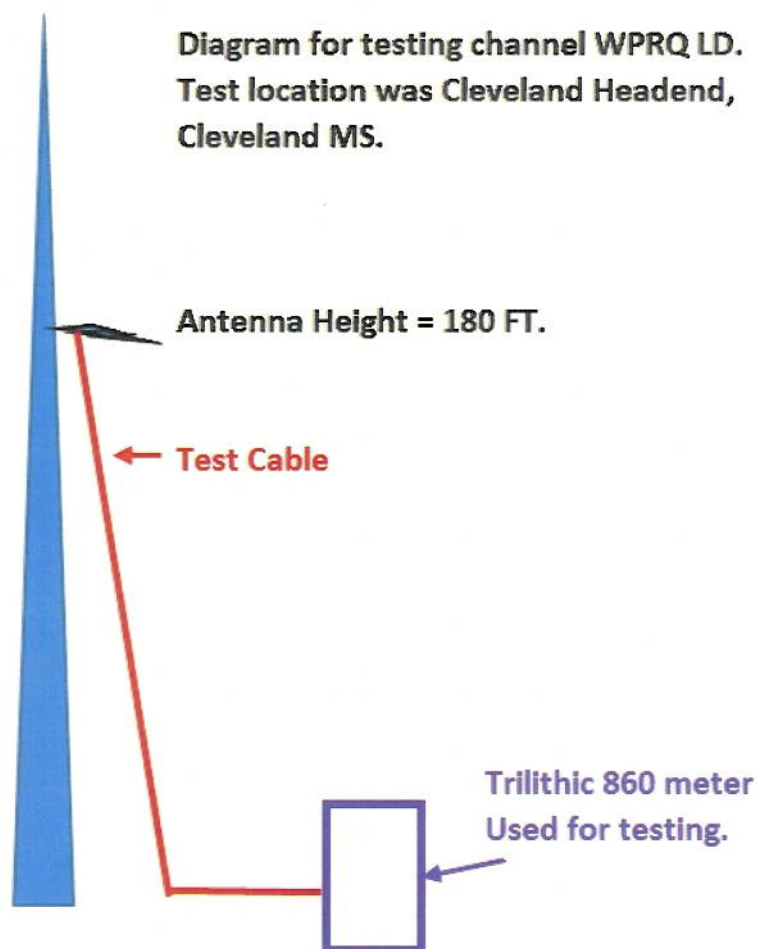


EXHIBIT B

 (<https://www.youtube.com/user/cableone>)  (<https://plus.google.com/+cableone/posts>)  (<https://www.twitter.com/cableone>)
 (<https://www.facebook.com/cableone>)  Like 75K

CABLE ONE

()

Your Location: **Cleveland** **New****Local Information****Local Channel Lineup**

Economy

Standard

Movie Services


Red Zone





Digital Value Pack

HDTV

Hispanic

Music













































Channel Line Up (Cleveland)**Printer-Friendly View**https://secure.cableone.net/public_resources/Pages/Channels/ChannelLineUp_Printm=16 **Typical Rate**
(<http://www.cableone.net>)









 3 NBC (WNBD)	 6 ABC (WABG) (http://www.wabg.com/)
 8 CBS (WXVT) (http://www.cbs.com/)	 10 Fox (WABGDT2) (http://www.wabg.com/)
 12 Local Programming (WHCQ)	 48 The CW (http://www.cwtv.com/)
 72 Leased Access	 78 C-SPAN (http://www.cspan.com)
 79 C-SPAN 2 (http://www.cspan.com)	 84 TBN (http://www.tbn.org/)
 85 EWTN (http://www.ewtn.com/)	 86 HSN (http://www.hsn.com)
 87 QVC (http://www.qvc.com)	 88 E! Live (http://www.evive.com/)
 89 Liquidation (http://www.liquidationchannel.com/)	 90 Daystar Television Network (http://www.kkjbtv.com/)
 91 SonLife (http://www.sonlifetv.com/)	 100 Lifetime (http://www.mylifetime.com)
 102 LMN (http://www.mylifetime.com/movies/movie-network)	 103 OWN (http://www.oprah.com/own)
 108 We (http://www.wetv.com/)	 104 Bravo (http://www.bravotv.com/)
 114 Oxygen (http://www.oxygen.com)	 112 Investigation Discovery (http://www.investigationdiscover)
 134 ESPN 2 (http://www.espn.com)	 116 Discovery Life
 136 ESPN (http://www.espn.com)	 133 ESPN (http://www.espn.com)
 134 ESPN 2 (http://www.espn.com)	 135 ESPN (http://www.espn.com)
 136 ESPN (http://www.espn.com)	 135 ESPN (http://www.espn.com)
 137 NBC Sports Network (http://www.nbc.com)	 138 Tennis Channel (http://www.tennischannel.com/)

 139 CBS Sports (http://www.cbs.com/)	 140 FCS Atlantic (http://msn.foxsports.com/fcs)
 141 FCS Central (http://msn.foxsports.com/fcs)	 142 FCS Pacific (http://msn.foxsports.com/fcs)
 146 Fox Sports 1 (http://msn.foxsports.com/foxsports1)	 148 Fox Sports 2 (http://msn.foxsports.com/)
 154 FOX Sports South (http://foxsportssouth.com/)	 156 FOX Sports South (http://www.foxsportssouth.com/)
 157 NFL Network (http://www.nfl.com/nflnetwork)	 158 Golf SD (http://www.thegolfchannel.com/)
 160 Outdoor Channel (East) (http://www.outdoorchannel.com/)	 161 ESPN Classic (http://www.espnclassic.com)
 164 SEC Network (http://www.secnetwork.com/)	 171 NFL REDZONE (http://www.nfl.com/redzone)
 173 SEC Overflow (http://www.secsports.com/)	 185 TNT (http://www.tnt.tv/)
 187 USA Network (http://www.usanetwork.com/)	 189 Syfy (http://www.syfy.com)
 191 TBS (http://www.tbs.com)	 193 FX (http://www.fxnetworks.com/)
 195 FXX (http://www.fxx.com/)	 199 A&E (http://www.aetv.com/)
 201 WGN America (http://www.wgnamerica.com/)	 214 FYI (http://www.biography.com/)
 215 TLC (http://tlc.discovery.com/)	 218 American Heroes Channel (http://military.discovery.com/)
 219 GSN (http://www.gsn.com/)	 224 Viceland (http://www.viceland.com/)
 228 E! (http://www.eonline.com/)	 230 POP SD (http://www.tvguide.com)
 232 FreeForm	 235 TV ONE (http://www.tvoneonline.com/)
 241 BBC America (http://www.bbcamerica.com/)	 260 Animal Planet (http://animal.discovery.com/)
 262 Nat Geo WILD (http://www.nationalgeographic.com/)	 263 Discovery Channel (http://www.discovery.com)
 265 Science Channel (http://science.discovery.com/)	 266 Hallmark (http://www.hallmarkchannel.com)
 268 Hallmark Movies & Mysteries (http://www.hallmarkmoviechannel.com/)	 270 Food Network (http://www.foodnetwork.com/)
	 272 HGTV (http://www.hgtv.com)
 274 History Channel (http://www.history.com/)	 276 INSP (http://www.insp.com/)
 277 National Geographic (http://channel.nationalgeographic.com/)	 280 BYU (http://www.byutv.org/)
 281 Travel (http://www.travelchannel.com/)	 300 Sprout (http://www.sproutonline.com/)
 302 Disney (http://www.disney.go.com/disneychannel/)	 304 Disney XD (http://www.disneyxd.com/)
 311 Discovery Family	 313 Disney Junior (http://disney.go.com/disneyjunior)

 316 Boomerang (http://www.cartoonnetwork.com/tv-shows/boomerang/index.html)	 317 Cartoon Network (http://www.cartoonnetwork.com)
 333 The Weather Channel (http://www.weather.com)	 334 HLN (http://www.cnn.com/HLN/)
 335 CNN (http://www.cnn.com)	 336 CNBC (http://www.cnbc.com)
 337 MSNBC (http://www.msnbc.com)	 338 Fox Business Network (http://www.foxbusiness.com/)
 340 Fox News (http://www.foxnews.com)	 345 The Blaze (http://www.theblaze.com/)
 358 AMC (http://www.amctv.com/)	 360 TCM (http://www.tcm.com)
 361 FX Movies (http://www.foxmoviechannel.com/)	 362 IFC (http://www.ifc.com)
 364 Sundance (http://www.sundancechannel.com/)	 365 Chiller (http://www.chillertv.com/)
 385 Great American Country (http://www.gactv.com/)	 500 HBO (East) (http://www.hbo.com)
 501 HBO (West) (http://www.hbo.com)	 502 HBO 2 (East) (http://www.hbo.com)
 503 HBO 2 (West) (http://www.hbo.com)	 504 HBO Signature (East) (http://www.hbo.com)
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 513 Cinemax - More Max (East) (http://www.cinemax.com/)	 514 Cinemax - MovieMax (http://www.cinemax.com/)
 516 Cinemax - Cinemáx (http://www.cinemax.com/)	 515 Cinemax - Action Max (East) (http://www.cinemax.com/)
 518 Cinemax - 5 Star Max (East) (http://www.cinemax.com/)	 517 Cinemax - Thriller Max (East) (http://www.cinemax.com/)
 520 Showtime (East) (http://www.sho.com/)	 519 Cinemax - Outer Max (East) (http://www.cinemax.com/)
 524 Showtime 3 Showcase (East) (http://www.sho.com/)	 522 Showtime 2 (East) (http://www.sho.com)
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 536 STARZ (http://www.starz.com/)	 534 FLIX (East) (http://www.sho.com/)
 540 STARZ Cinema (http://www.starz.com/)	 539 STARZ Kids and Family (http://www.starz.com/)
	 541 STARZ In Black (http://www.starz.com)

 542 STARZ Encore (http://www.starz.com/channels/encore)	 544 STARZ Encore Classic (http://www.starz.com/channels/)
 546 STARZ Encore Suspense (http://www.starz.com/channels/encore)	 548 STARZ Encore Westerns (http://www.starz.com/channels/)
 551 STARZ Encore Action (http://www.starz.com/channels/encore)	 601 Telemundo (http://www.telemundo.com)
 603 CNN en Español (http://www.cnn.com/espanol/)	 604 Altavision (http://altavision.com.mx)
 605 Fox Deportes (http://msn.foxsports.com/fse)	 606 ESPN Deportes (http://espndeportes.espn.go.com)
 607 Cine Mexicano (http://www.olympusat.com/networks/cine-mexicano)	 608 TeleN (http://www.olympusat.com/netv-novela)
 609 NBC Universo (http://www.nbcuniverso.com/)	 801 Music - Hits List
	 802 Music - Max
 803 Music - Dance/EDM	 804 Music - Indie
 805 Music - HipHop/R&B	 806 Music - Rap
 807 Music - HipHop Classics	 808 Music - Throwback Jamz
 809 Music - R&B Classics	 810 Music - R&B Soul
 811 Music - Gospel	 812 Music - Reggae
 813 Music - Rock	 814 Music - Metal
 815 Music - Alternative	 816 Music - Adult Alternative
 817 Music - Rock Hits	 818 Music - Classic Rock
 819 Music - Soft Rock	 820 Music - Love Songs
 821 Music - Pop Hits	 822 Music - Party Favorites
 823 Music - Teen Beats	 824 Music - Kidz Only
 825 Music - Toddler Tunes	 826 Music - Y2K
 827 Music - 90s	 828 Music - 80s
 829 Music - 70s	 830 Music - Solid Gold Oldies
 831 Music - Pop & Country	 832 Music - Todays Country
 833 Music - Country Hits	 834 Music - Classic Country
 835 Music - Contemporary Christian	 836 Music - Pop Latino
 837 Music - Musica Urbana	 838 Music - Mexicana
 839 Music - Tropicales	 840 Music - Romances
 841 Music - Sounds of the Seasons	 842 Music - Stage & Screen

 843 Music - Soundscapes	 844 Music - Smooth Jazz
 845 Music - Jazz	 846 Music - Blues
 847 Music - Singers & Swing	 848 Music - Easy Listening
 849 Music - Classical Masterpieces	 850 Music - Light Classical
 1003 NBC (WNBD) HD	 1006 ABC HD (WABG) (http://www.wabg.com/)
 1008 CBS HD (WXVT) (http://www.cbs.com/) HD	 1010 Fox HD (WABGDT2) (http://www.wabg.com/)
 1011 PBS HD (WMAB) (http://www.mpbonline.org/) HD	 1100 Lifetime HD (East) (http://www.mylifetime.com/)
 1102 LMN HD (East) (http://www.mylifetime.com/movies/lifetime-movie-network) HD	 1104 Bravo HD (http://www.bravotv.com/)
 1112 Investigation Discovery HD (http://www.investigationdiscovery.com/) HD	 1108 We HD (http://www.wetv.com/)
	 1114 Oxygen HD (http://www.oxygen.com/)
	 1133 ESPN HD (http://www.espn.com)
 1134 ESPN 2 HD (http://www.espn.com) HD	 1136 ESPNU HD (http://espn.go.com/college-sports/)
 1137 NBC Sports Network HD (http://nbcports.msnbc.com/) HD	 1138 Tennis Channel HD (http://tennischannel.com/)
 1139 CBS Sports HD (http://www.cbs.com/) HD	 1146 Fox Sports 1 HD (http://msn.foxsports.com/foxspc)
 1148 Fox Sports 2 HD (http://msn.foxsports.com/) HD	 1154 FSN South HD (http://foxsportssouth.com/)
 1157 NFL Network HD (http://www.nfl.com/nflnetwork) HD	 1158 Golf HD (http://www.golfchannel.com/)
 1160 Outdoor Channel HD (http://www.outdoorchannel.com/) HD	 1164 SEC Network (http://www.secsports.com/)
 1171 NFL REDZONE HD (http://www.nfl.com/redzone) HD	 1185 TNT HD (http://www.tnt.tv/)
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 1201 WGN America HD (http://www.wgnamerica.com/) HD	 1214 FYI HD (http://www.biography.com/)
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 1232 FreeForm HD HD	 1235 TV ONE HD

		(http://www.tvoneonline.com/)	
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	1262 Nat Geo WILD HD (http://www.nationalgeographic.com/)		1263 Discovery Channel HD (http://www.discovery.com)
	1265 Science Channel HD (http://science.discovery.com/)		1266 Hallmark HD (http://www.hallmarkchannel.com)
	1268 Hallmark Movies & Mysteries HD (http://www.hallmarkmoviechannel.com/)		1270 Food Network HD (http://www.foodnetwork.com/)
			1272 HGTV HD (http://www.hgtv.com)
	1274 History Channel HD (http://www.history.com/)		1277 National Geographic HD (http://channel.nationalgeograph.com)
	1281 Travel HD (http://www.travelchannel.com/)		1300 Sprout HD (http://www.sproutonline.com/)
	1302 Disney HD (http://www.disneychannel.com/)		1317 Cartoon Network HD (http://www.cartoonnetwork.com)
	1334 HLN HD (http://www.cnn.com/HLN/)		1335 CNN HD (http://www.cnn.com)
	1336 CNBC HD (http://www.cnn.com)		1337 MSNBC HD (http://www.msnbc.com)
	1338 Fox Business Network HD (http://www.foxbusiness.com/)		1340 Fox News HD (http://www.foxnews.com)
			1358 AMC HD (http://www.amctv.com/)
	1360 Turner Classic Movies HD (http://www.tcm.com)		1361 FX Movies HD (http://www.foxmoviechannel.com)
			1362 IFC HD (http://www.ifc.com)
	1364 Sundance HD (http://www.sundancechannel.com/)		1365 Chiller HD (http://www.chillertv.com/)
	1500 HBO HD (East) (http://www.hbo.com)		1520 Showtime HD (East) (http://www.sho.com)
	1530 The Movie Channel HD (http://www.sho.com/site/tmc/)		1609 NBC Universo HD (http://www.nbcuniverso.com/)

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EXHIBIT C

MUST CARRY WORKSHEET

DATE: 8-09-17

CHANNEL #: 9

TIME: 9:58 AM

CALL SIGN: WHCQ LD

LOCATION: Clarksdale, MS
SYSTEM: Clarksdale, MS
TECH: Eugene Biller

FREQ (VID): 189.00MHz.
TEMP (F): 72
ANTENNA HEIGHT (FT): 180

	TEST 1*	TEST 2*	TEST 3*	TEST 4*	TEST 5*	TEST 6*
1. Time of test (HH:MN / AM / PM)	9:58AM	10:30AM	11:01AM	11:34AM		
2. Receive level @ processor (dBmV)	-9.5	-9.9	-10	-9.3		
3. Antenna gain (dBi)	+11.5	+11.5	+11.5	+11.5		
4. Cable loss 200ft x 1.81 dBmV/100FT	3.62	3.62	3.62	3.62		
5. Splitter Loss (dBmV)	0	0	0	0		
6. Receive level @ antenna (line 2+4+5)	-5.88	-6.28	-6.38	-5.68		
7. Conversion to dBm	-48.7506	-48.7506	-48.7506	-48.7506		
8. Receive level in dBm (line 6+7)	-54.73	-55.03	-55.13	-54.43		
9. Pass / Fail (circle one): UHF (Pass = -45dBm)						
VHF (Pass = -61 dBm)	Pass	Pass	Pass	Pass		

*NOTE: For UHF stations, if the test results are worse than -51 dBm (i.e., a higher negative number such as -52 dBm), Technician must complete at least four readings during a 2-hour period. If initial test results are between -51 dBm and -45 dBm, inclusive, six readings must be taken during a 24-hour period with measurements not more than 4 hours apart. For VHF stations, if the test results are worse than -55 dBm, Technician must complete at least four readings during a 2-hour period. If initial test results are between -55 dBm and -49 dBm, inclusive, six readings must be taken during a 24-hour period, with measurements not more than 4 hours apart.

10. Make & Model of Each Item of Equipment Used (include serial number, year manufactured & last calibration Date (if applicable)): Wade Antenna, Model WL7-13/S VHF High Band Log Periodic, Product 79004502, 7-17, 7-17, Meter info: Make: Trilithic, model: 860DSPI, Serial #254655, Manufacture date 2-2008, Calibration date 8-4-2017

11. Characteristics of Equipment Used (e.g., antenna ranges & radiation patterns): VHF High, Antenna mounted on tower, Antenna Range: 174-216MHz, VSWR 1.25:1, Beam width Hor.50deg.Ver. 70 deg., LENGTH 96", Width 33.6 IN. Weight 25 LBS.

12. Weather conditions (e.g., clear, cloudy, rain, snow, drizzle, fog): Clear, sunny

13. Antenna Orientation: Antenna facing south west towards the stations broadcast tower site at 192.66°

14. Description of test: Test ran on a clear day with an antenna height of 180Ft.

15. Picture quality: Good.

Comments: no comments

Technician Signature / Date

Broadcaster's Signature / Date (for joint tests)

Eugene Biller, Eugene Biller

Sketch Attached

Diagram for testing channel WHCQ LD.
Test location was Clarksdale Headend,
Clarksdale MS.

