

Southern Stone Communications, LLC.

WVLD (AM) – Valdosta, GA.

Long Form Application

November – 2017

Technical Statement

EME Communications has been retained by Southern Stone Communications, LLC., to prepare this long form application as part of the auction 99 filing window.

Proposed Site:

Tower ID: 1019856

Coordinates (NAD27): 30-50-04.97 N, 083-17-56.95 W

Status: Constructed

Action Date: 04/01/2008

Construction Date: 08/15/2007

Location: .2 mi. S of W Gordon St. - between Greenwood Dr. & Smith St., VALDOSTA, GA

Height (AG): 78.30 m, Elevation: 54.90 m, Structure Height: 77.40 m

Circular Number: 70/7460-1K

FAA Number: 2007-ASO-470-OE FAA Chapter: 4, 6, 12

Interference Showing:

The attached interference study employs the FCC 30 sec terrain database. It is requested the Commission's staff use the same terrain data when evaluating this application.

Attached as exhibit 1 is a comprehensive showing the clearly show the proposal will not cause interference to any facility present or proposed. It is noted that some contour overlap does exist between the proposed and WAAC, Valdosta, GA.

A 47 CFR section 1204(d)waiver is requested. Attached as an exhibit is a showing that clearly exhibits no interfering contour will reach ground level. The lowest contour will remain some 65.151 meters above ground level and well above any population.

Antenna System:

Applicant proposes to employ a single bay non-directional antenna system.

The applicant proposes to re-broadcast the programming of AM station WVLD. Attached as an exhibit is a plot showing the proposed will not extend the 2.0 mV/m contour of WVLD (AM) or the 25-mile limit.

WVLD (AM) presently employs translator W295AO. When this proposal is granted and prior to being placed into service, W295AO will be change to another facility as its primary station.

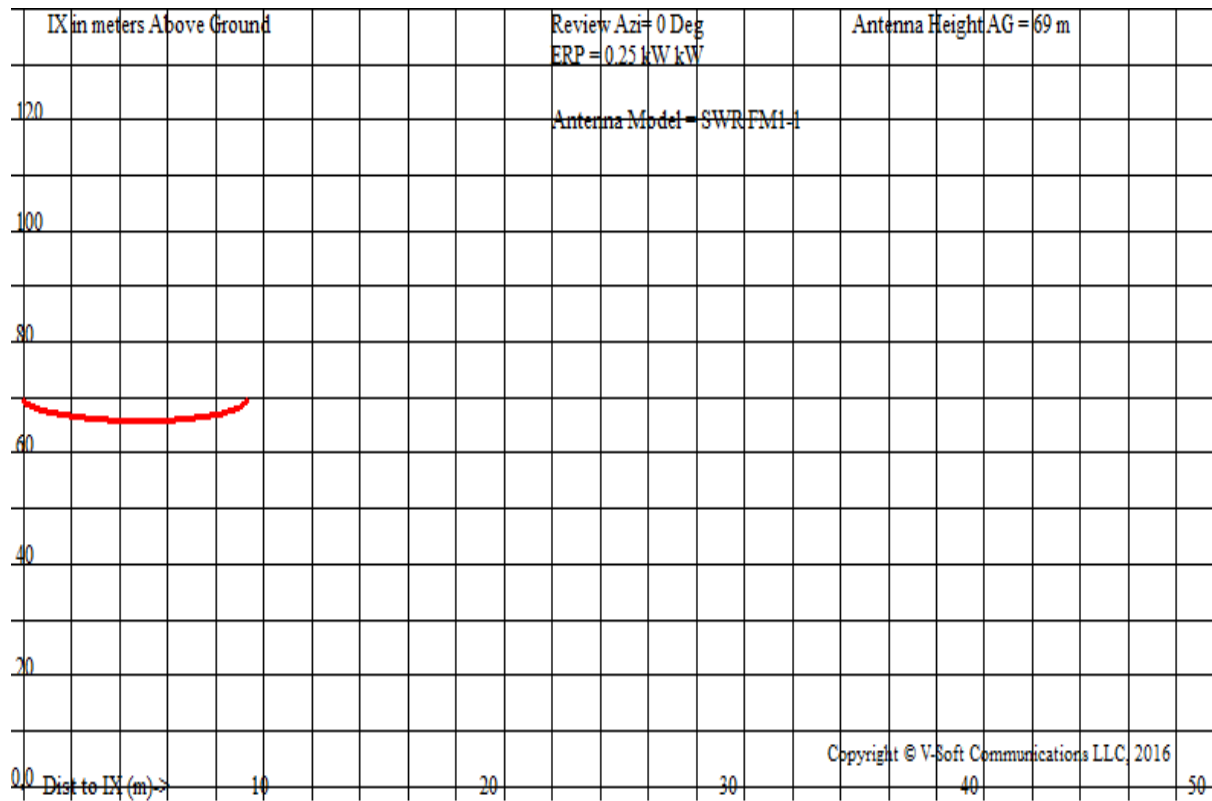
/s/ Clyde Scott Jr.
EME Communications
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EXHIBIT - 1

REFERENCE CH# 227D - 93.3 MHz, Pwr= 0.25 kw, HAAT= 68.5 M, COR= 124 M DISPLAY DATES
 30 50 05.0 N. Average Protected F(50-50)= 10.79 km DATA 11-16-17
 83 17 57.0 W. Omni-directional SEARCH 11-16-17

CH CITY	CALL	TYPE STATE	ANT --	AZI <--	DIST FILE #	LAT LNG	PWR(kw) HAAT(M)	INT(km) COR(M)	PRO(km) LICENSEE	*IN* (Overlap in km)	*OUT*
225C1 Valdosta	WAAC	LIC _CN GA		237.3 57.3	6.39 BLH19860903KD	30 48 13.0 83 21 20.0	100.000 153	6.9 207	57.5 W.g.o.v., Inc.	-11.1*	-52.2*
227D Valdosta	1761728	APP _C_ GA		0.0 0.0	0.00 BNPFT20170802AAO	30 50 05.0 83 17 57.0	0.250	38.0 124	11.1 Southern Communications, L	-49.1*	-49.1*
227C1 Callahan	WJBT	LIC NC_ FL		110.0 290.8	176.60 BLH20120611ABK	30 16 51.0 81 34 12.9	98.000 302	171.6 308	72.3 Clear Channel Broadcasting	-5.7	68.4
230C1 Moultrie	WMTM-FM	LIC _CN GA		312.4 132.2	62.82 BLH19901029KC	31 12 54.0 83 47 13.0	100.000 169	7.7 261	61.7 Colquitt Broadcasting Comp	43.7	0.0
227C3 Gretna	WVFT	LIC NCN FL		251.6 71.0	117.12 BLH19990702KB	30 29 48.0 84 27 33.0	8.700 152	102.7 191	39.1 Magic Broadcasting Ii, Llc	3.2	40.0
228C2 Nicholls	WVOH-FM	LIC NCX GA		38.5 218.8	92.65 BLH20120713ACY	31 29 08.6 82 41 28.1	50.000 136	75.7 198	50.1 Broadcast South, Llc	6.2	27.5
228C3 Perry	WFDZ	LIC NCX FL		192.9 12.8	85.13 BLH20160721ACZ	30 05 17.0 83 29 46.0	19.000 100	56.9 120	36.9 Dockins Communications, In	17.4	32.8
281C0 Tallahassee	WGLF	LIC _CX FL		238.1 57.8	80.45 BMLH20111005AJA	30 27 04.0 84 00 42.0	100.000 430	51.7 459	16.0 Cumulus Licensing Llc	25.0R	55.5M
228C3 Morgan	WMRG	LIC NCX GA		311.5 130.9	151.87 BLH20150630AAN	31 44 05.0 84 30 06.0	25.000 88	61.5 188	40.2 Core Communicators South L	79.0	95.2
226A Rochelle	WWKM	LIC NCX GA		354.1 174.1	124.46 BLH20130124AAK	31 56 54.0 83 26 02.0	4.700 81	30.7 176	20.8 Central Georgia Radio Llc	82.5	87.4

 Terrain database is FCC NGDC 30 Sec , R= 73.215 qualifying spacings or FCC minimum Spacings in KM, M= Margin in KM
 Contour distances are on direct line to and from reference station. Reference zone= East Zone, Co to 3rd adjacent.
 Ant Column: (D= DA Standard, Z= DA 73.215, N= Not DA 73.215, _= Omni), Polarization (C,H,V,E), Beamtilt(Y,N,X)
 "*"affixed to 'IN' or 'OUT' values = site inside restricted contour.
 Reference station has protected zone issue: AM tower



WVLD ,
 74.1204(d) Showing
 Translator or LPFM Maximum Licensed ERP = 0.25
 Translator or LPFM Antenna Height AG = 69 Meters
 WVLD Antenna Model = SWR FM1-1

Protected Station's Contour = 101.3813 dBu
 Translator's or LPFM's full Interference contour 141.3813

Review Azimuth = 0 Degrees True
 Relative Field on the horizon at Review Azimuth = 1.000
 Translator/LPFM ERP on the horizon at Review Azimuth = 0.25 kW
 Distance between stations = 6.4 km
 Protected Station= WAAC, 100 kW, 207 M Meters COR AMSL

Depression Angle From Horizon(Deg)	Vertical Relative Field	Horizontal Relative Field	ERP (kw)	Dist to IX Contour Along Dep. Angle(m)	Dist to IX Contour From Tower Base(m)	Height IX Above Ground (m)
00.0	1.0	1.0	0.2500	009.4603	009.4603	069.000
05.0	0.993	1.0	0.2465	009.3941	009.3583	068.181
10.0	0.974	1.0	0.2372	009.2143	009.0743	067.400
15.0	0.941	1.0	0.2214	008.9021	008.5988	066.696
20.0	0.897	1.0	0.2012	008.4859	007.9741	066.098
25.0	0.843	1.0	0.1777	007.9750	007.2278	065.630
30.0	0.780	1.0	0.1521	007.3790	006.3904	065.310
35.0	0.709	1.0	0.1257	006.7074	005.4943	065.153
40.0	0.633	1.0	0.1002	005.9884	004.5874	065.151
45.0	0.554	1.0	0.0767	005.2410	003.7060	065.294
50.0	0.473	1.0	0.0559	004.4747	002.8763	065.572
55.0	0.394	1.0	0.0388	003.7274	002.1379	065.947
60.0	0.317	1.0	0.0251	002.9989	001.4995	066.403
65.0	0.245	1.0	0.0150	002.3178	000.9795	066.899
70.0	0.181	1.0	0.0082	001.7123	000.5856	067.391
75.0	0.124	1.0	0.0038	001.1731	000.3036	067.867
80.0	0.077	1.0	0.0015	000.7284	000.1265	068.283
85.0	0.041	1.0	0.0004	000.3879	000.0338	068.614
90.0	0.016	1.0	0.0001	000.1514	000.0000	068.849

WVLD
Type: AM
Channel: 1450
Latitude: 30-50-05 N
Longitude: 083-17-57 W

PROPOSED

Latitude: 30-50-05 N
Longitude: 083-17-57 W
ERP: 0.25 kW
Channel: 227
Frequency: 93.3 MHz
AMSL Height: 124.0 m
Elevation: 50.83 m
Horiz. Pattern: Omni
Vert. Pattern: No
Prop Model: None

