



849 NW State Road 45  
Newberry, FL 32669 USA  
Ph.: 888.472.2424 or  
352.472.5500  
Fax: 352.472.2030  
Email: [info@timcoengr.com](mailto:info@timcoengr.com)  
Website: [www.timcoenar.com](http://www.timcoenar.com)

---

## FCC PART 15.247

### 2.4 GHz DIGITAL SPREAD SPECTRUM

### TEST REPORT

APPLICANT	SOUTHERN STATES LLC
ADDRESS	30 GEORGIA AVENUE HAMPTON, GA 30228 USA
FCC ID	2ADWTASD01
PRODUCT DESCRIPTION	WIRELESS HIGH VOLTAGE POWER LINE CURRENT SENSOR
DATE SAMPLE RECEIVED	5/1/2015
FINAL TEST DATE	6/12/2015
TESTED BY	Christian Pawlak
APPROVED BY	Sid Sanders

Report Number	Version Number	Description	Issue Date
802AUT15TestReport.pdf	Rev.1	Initial Issue	6/18/2015

THE ATTACHED REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL  
WITHOUT THE WRITTEN APPROVAL OF TIMCO ENGINEERING, INC.



## TABLE OF CONTENTS

GENERAL REMARKS .....	7
GENERAL INFORMATION .....	8
RESULTS SUMMARY .....	9
OUTPUT POWER .....	10
POWER SPECTRAL DENSITY .....	11
OCCUPIED BANDWIDTH .....	18
BANDEDGE EMISSIONS.....	25
RADIATED SPURIOUS EMISSIONS .....	28
EMC EQUIPMENT LIST.....	31

APPLICANT: SOUTHERN STATES, LLC  
FCC ID: 2ADWTASD01  
REPORT: \\TIMCO-  
FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
31

Page 6 of



## GENERAL REMARKS

The attached report shall not be reproduced except in full without the written permission of Timco Engineering Inc.

The test results relate only to the items tested.

### Summary

The device under test does:

- Fulfill the general approval requirements as identified in this test report
- Not fulfill the general approval requirements as identified in this test report

### Attestations

This equipment has been tested in accordance with the standards identified in this test report. To the best of my knowledge and belief, these tests were performed using the measurement procedures described in this report.

All instrumentation and accessories used to test products for compliance to the indicated standards are calibrated regularly in accordance with ISO 17025: 2005 requirements.

I attest that the necessary measurements were made, under my supervision, at:

**Timco Engineering Inc.  
849 NW State Road 45  
Newberry, FL 32669**

Authorized Signatory Name:

---

**Christian Pawlak  
Engineering Project Manager**

**Date:** 06/17/2015

### Table of Contents

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX

31

Page 7 of



APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
31

Page 8 of



## GENERAL INFORMATION

### EUT Specification

FCC Regulatory Standard	Title 47 CFR Part 15.247		
FCC ID	2ADWTASD01		
EUT Description	WIRELESS HIGH VOLTAGE POWER LINE CURRENT SENSOR		
Operating Frequency	TX: 2404 MHz – 2475 MHz	RX: N/A	
EUT Power Source	<input checked="" type="checkbox"/> 110–120Vac/50– 60Hz		
	<input type="checkbox"/> DC Power		
	<input type="checkbox"/> Battery Operated Exclusively		
Test Item	<input type="checkbox"/> Prototype	<input type="checkbox"/> Pre-Production	<input checked="" type="checkbox"/> Production
Type of Equipment	<input checked="" type="checkbox"/> Fixed	<input type="checkbox"/> Mobile	<input type="checkbox"/> Portable
Antenna Connector	None		
Antenna	Integral Chip Antenna		
Test Facility	Timco Engineering Inc 849 NW State Road 45 Newberry, FL 32669 USA.		
Test Conditions	Temperature: 24-26°C Relative humidity: 50-65%		
Measurement Standard	KDB 558074 D01 DTS Meas Guidance v03r02, & ANSI C63.10-2009		
Test Exercise	Engineering Software was used to enable the modes of operation		
Notes	EUT is composed of two independent, cross polarized transmit chains that independently sample a sensor. For this reason, the EUT falls under guidance for completely uncorrelated transmitters as per KDB 662911.		

### Table of Contents

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX

31

Page 9 of



## RESULTS SUMMARY

Specification	FCC Rules Part	Result
Output Power	15.247(b)(3)	Pass
Power Spectral Density	15.247(e)	Pass
Occupied Bandwidth	15.247(a)(2)	Pass
Bandedge Emissions	15.247(d)	Pass
Radiated Spurious Emissions	15.247(d)	Pass
Restricted Band Emissions	15.205(a)(b)(c)	Pass
Antenna Requirement	15.203	Pass

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 10

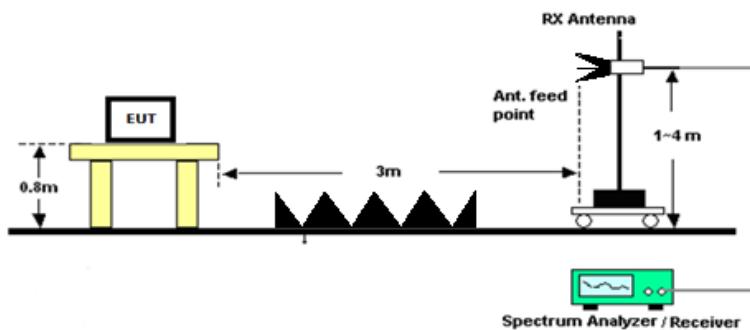
## OUTPUT POWER

**Rules Part No.:** 15.247(b)(3)

**Requirements:** 1 watt conducted, 4 Watts EIRP. If the EUT uses an antenna with directional gain greater than 6 dBi the conducted power limit must be reduced as appropriate by the amount in dB that the directional gain antenna exceeds 6 dBi

**Test Method:** KDB 558074 D01 DTS Meas Guidance v03r03 § 9.1.1

**Setup:**



**Test Data - Transmitter A:** Output Power Measurement Table

Tuned Frequency (MHz)	FS @ 3M (dBuV/m)	EIRP (dBm)	Ant Gain (dBi)	ERP (dBm)	Limit (dBm)	Margin (dB)
2404	94.60	-0.60	6	-6.60	30	36.60
2444	97.10	1.90	6	-4.10	30	34.10
2475	101.75	6.55	6	0.55	30	29.45

**Test Data - Transmitter B:** Output Power Measurement Table

Tuned Frequency (MHz)	FS @ 3M (dBuV/m)	EIRP (dBm)	Ant Gain (dBi)	ERP (dBm)	Limit (dBm)	Margin (dB)
2404	89.82	-5.38	6	-11.38	30	41.38
2444	93.26	-1.94	6	-7.94	30	37.94
2475	96.66	1.46	6	-4.54	30	34.54

## RESULTS: Meets Requirements

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31



[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 12

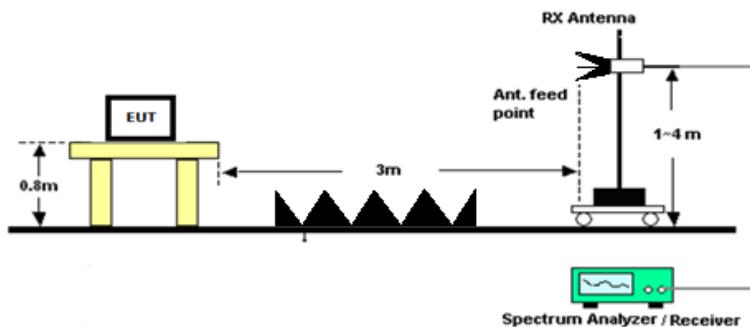
## POWER SPECTRAL DENSITY

**Rules Part No.:** 15.247(e)

**Requirements:** The power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

**Test Method:** KDB 558074 D01 DTS Meas Guidance v03r03 § 10.2

**Setup:**



**Test Data - Transmitter A:** Measurement Table

Tuned Frequency (MHz)	FS @ 3M (dBuV/m)	EIRP (dBm)	Ant Gain (dBi)	ERP (dBm)	Limit (dBm)	Margin (dB)
2404	80.31	-14.89	6	-20.89	8	28.89
2444	82.58	-12.62	6	-18.62	8	26.62
2475	87.32	-7.88	6	-13.88	8	21.88

**Test Data - Transmitter B:** Measurement Table

Tuned Frequency (MHz)	FS @ 3M (dBuV/m)	EIRP (dBm)	Ant Gain (dBi)	ERP (dBm)	Limit (dBm)	Margin (dB)
2404	75.72	-19.48	6	-25.48	8	33.48
2444	78.67	-16.53	6	-22.53	8	30.53
2475	82.15	-13.05	6	-19.05	8	27.05

## RESULTS: Meets Requirements

### [Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX

of 31

Page 13



APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

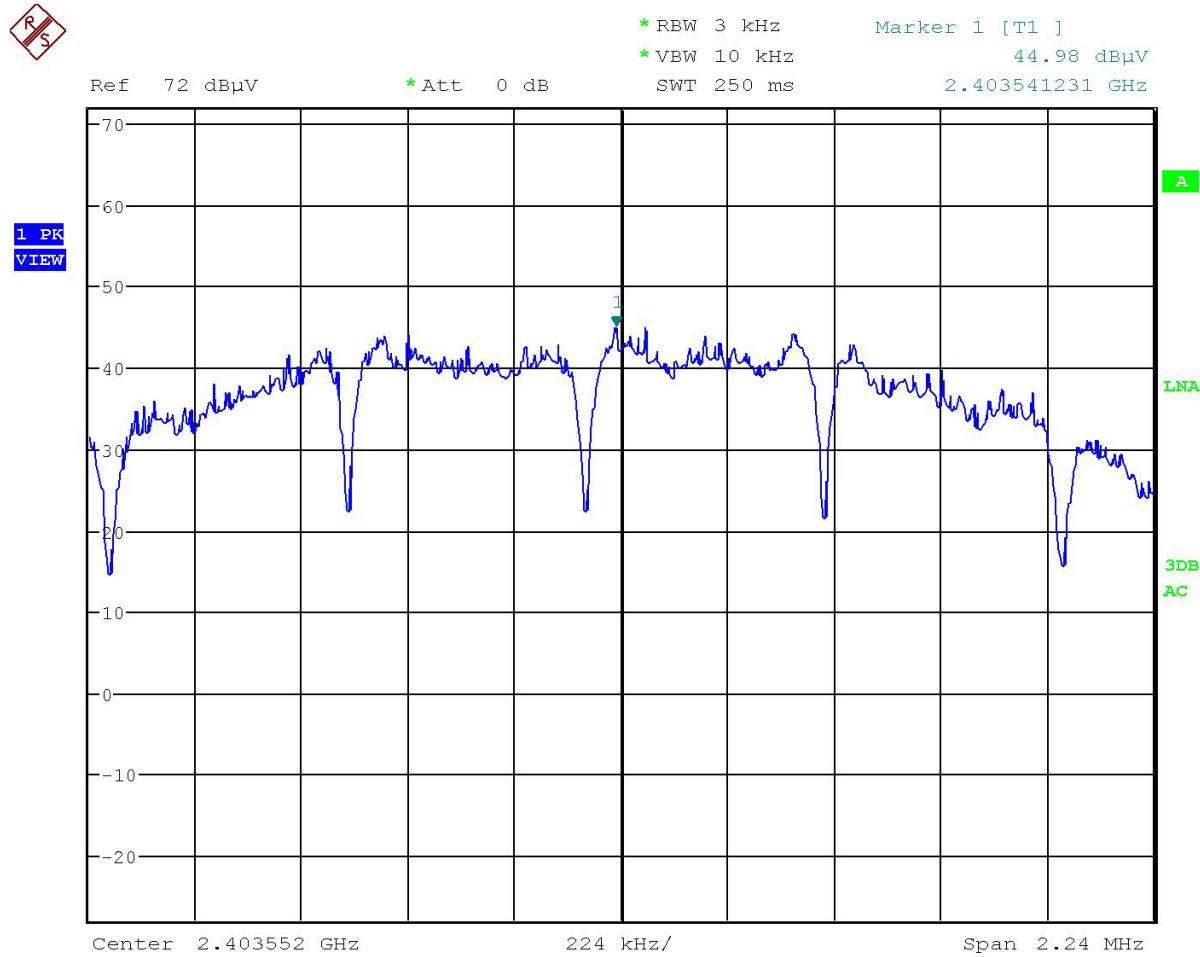
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 14

## POWER SPECTRAL DENSITY

**Test Data: Transmitter A - Low End of Band**



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

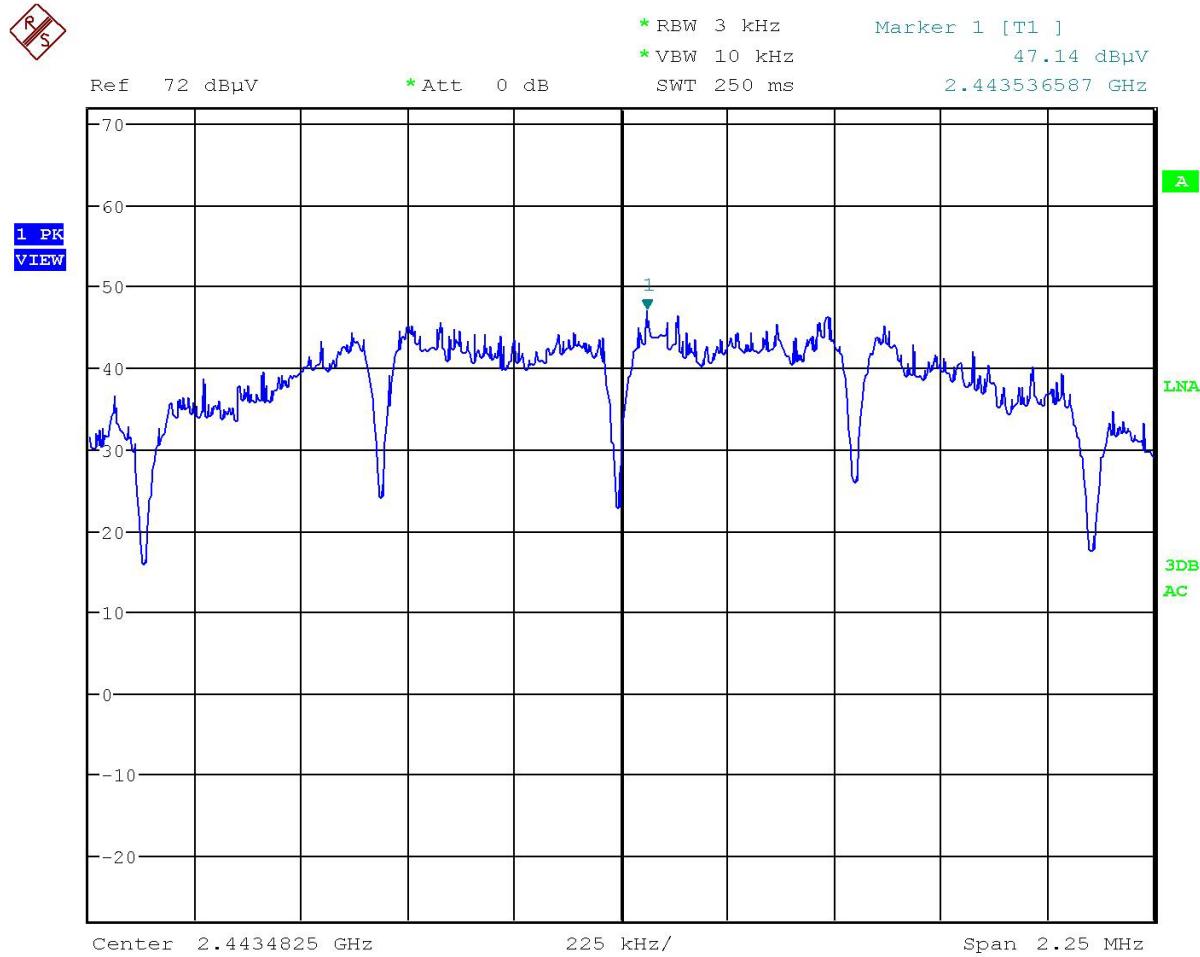
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 15

## POWER SPECTRAL DENSITY

**Test Data: Transmitter A - Middle of Band**



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

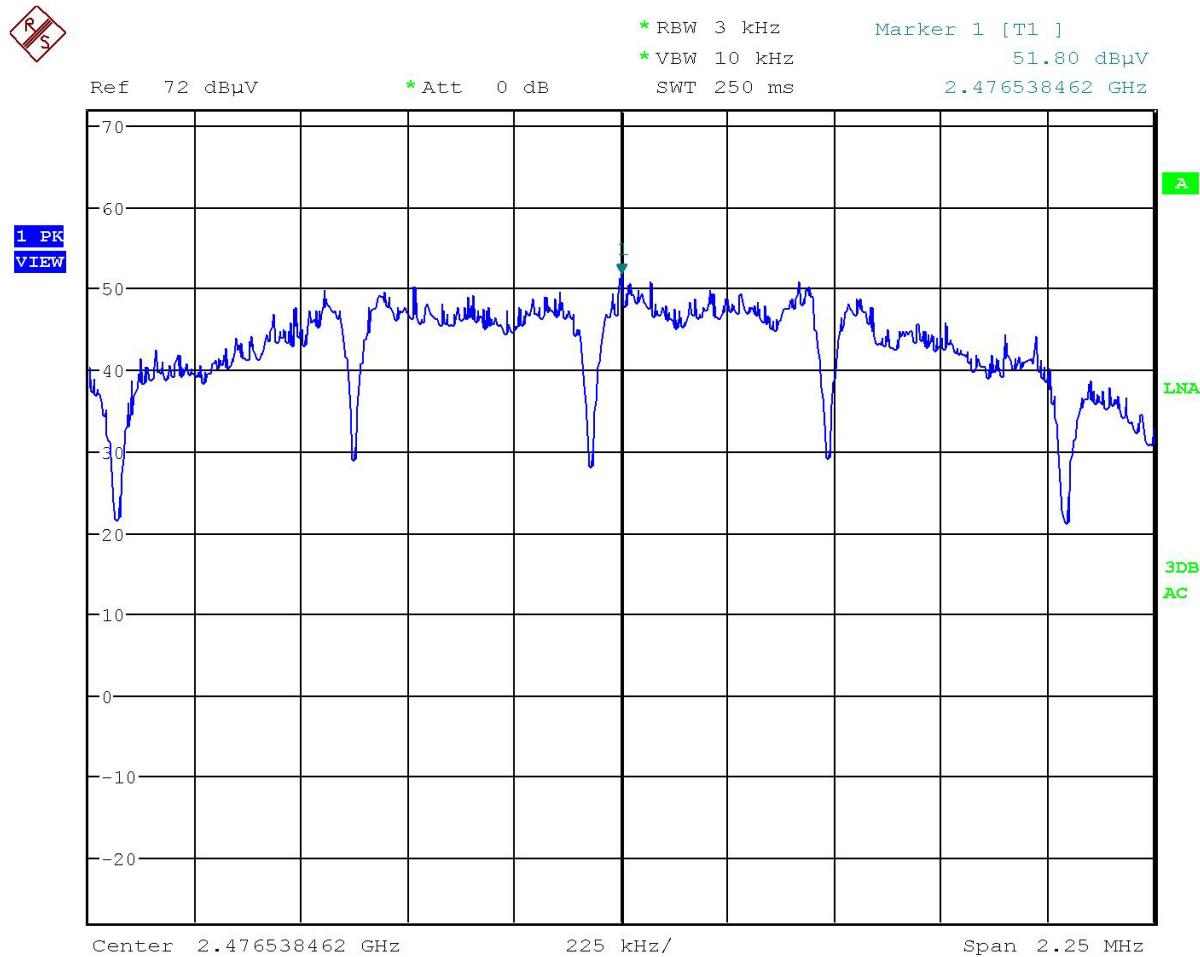
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 16

## POWER SPECTRAL DENSITY

**Test Data: Transmitter A - High End of Band**



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

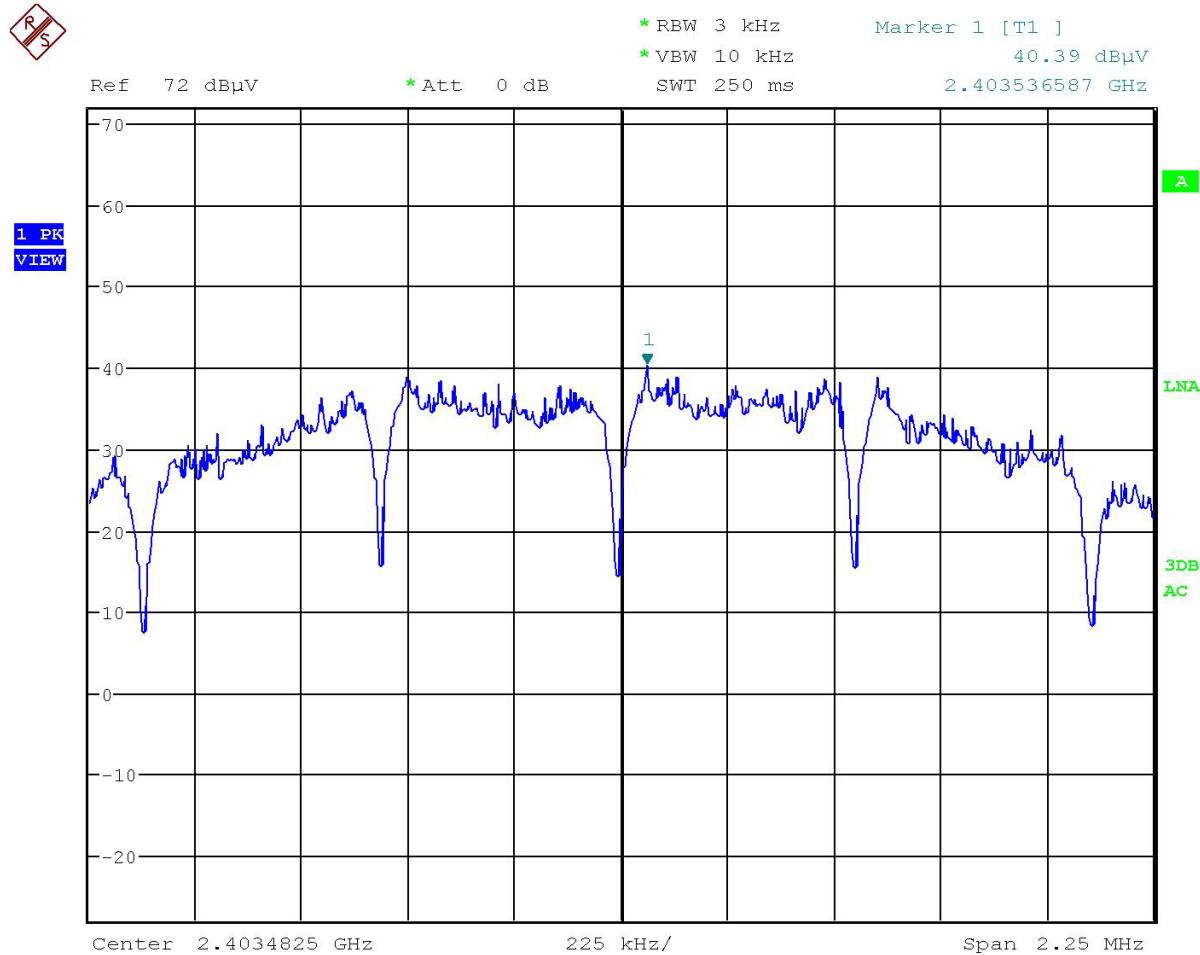
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 17

## POWER SPECTRAL DENSITY

### Test Data: Transmitter B - Low End of Band



### RESULTS: Meets Requirements

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 18



APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

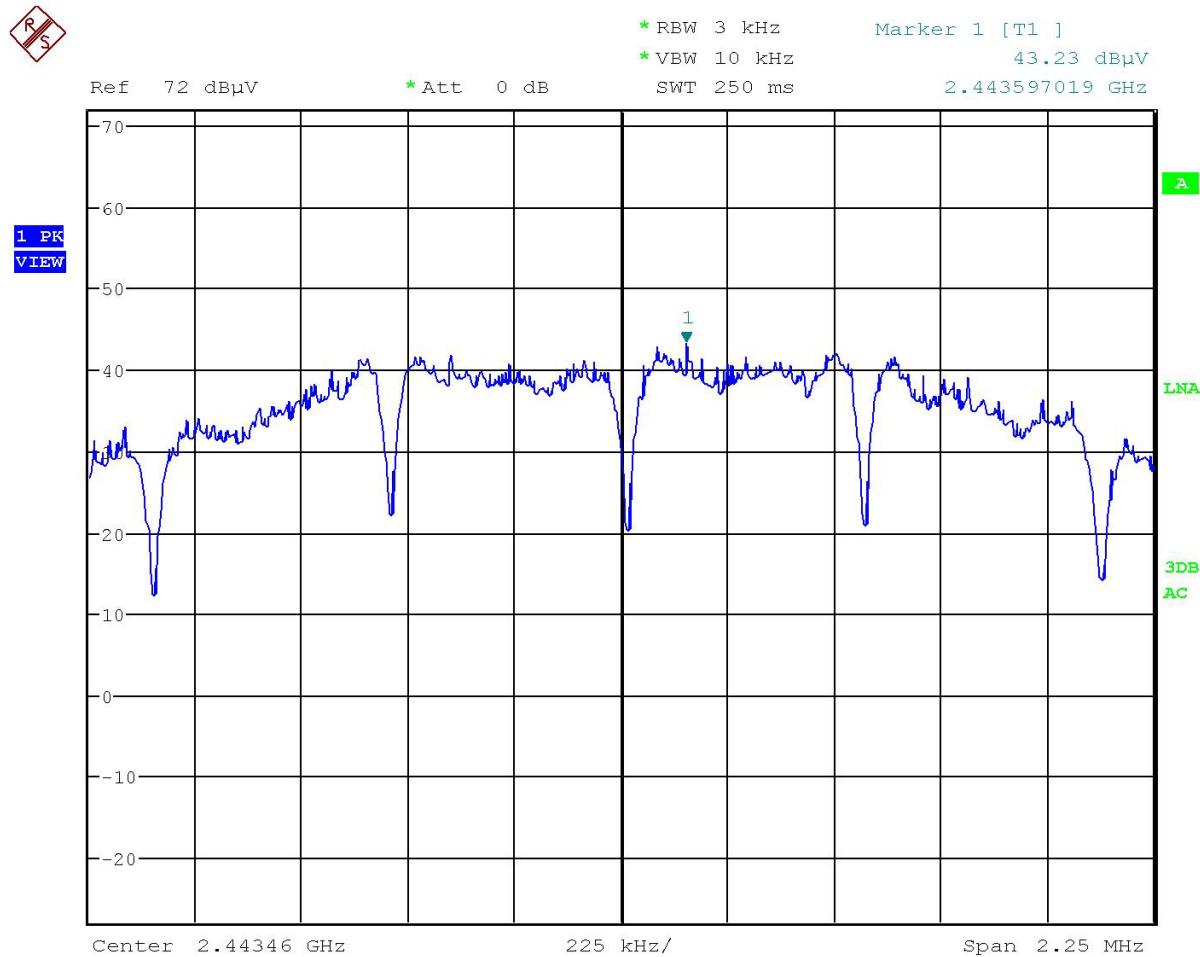
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 19

## POWER SPECTRAL DENSITY

### Test Data: Transmitter B - Middle of Band



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

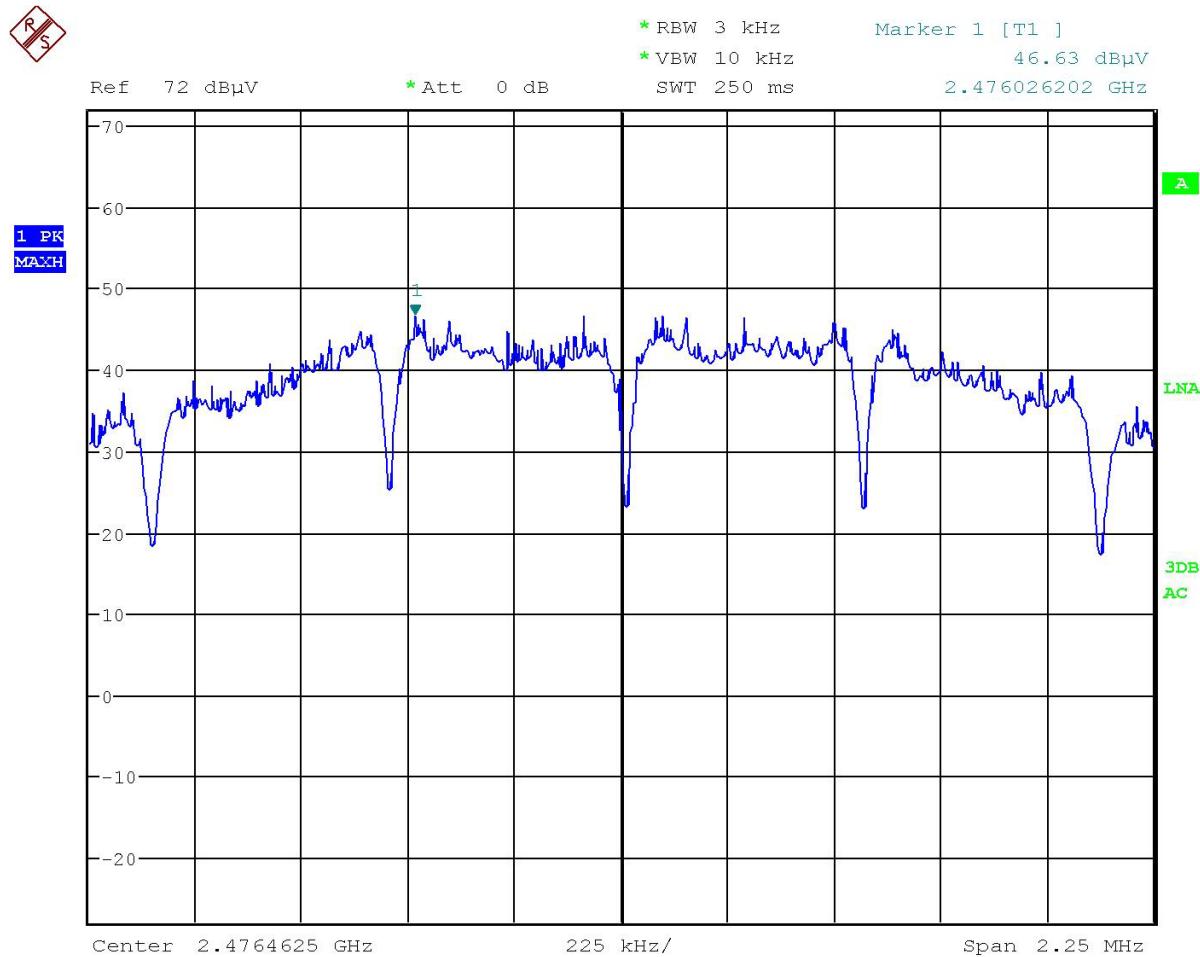
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 20

## POWER SPECTRAL DENSITY

**Test Data: Transmitter B - High End of Band**



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 21

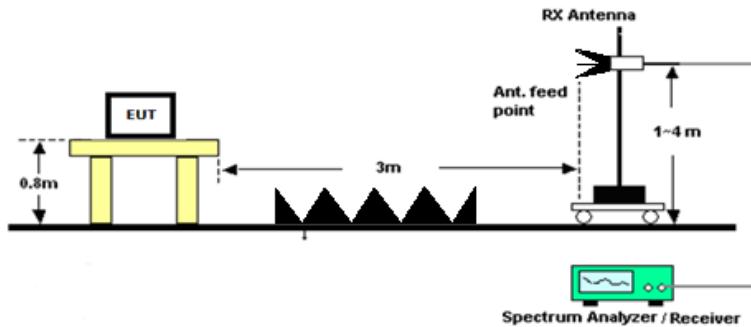
## OCCUPIED BANDWIDTH

**Rules Part No.:** 15.247(a) (2)

**Requirements:** The minimum 6 dB bandwidth shall be at least 500 kHz.

**Test Method:** KDB 558074 D01 DTS Meas Guidance v03r03 § 8.2

**Setup:**



**Test Data - Transmitter A:** 6 dB Bandwidth Measurement Table

Tuned Frequency (MHz)	6 dB OBW (KHz)	Limit (KHz)	Margin (KHz)
2404	1587	500	1087
2444	1587	500	1087
2475	1587	500	1087

**Test Data - Transmitter B:** 6 dB Bandwidth Measurement Table

Tuned Frequency (MHz)	6 dB OBW (KHz)	Limit (KHz)	Margin (KHz)
2404	1554	500	1054
2444	1587	500	1087
2475	1587	500	1087

**RESULTS:** Meets Requirements

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 22



APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

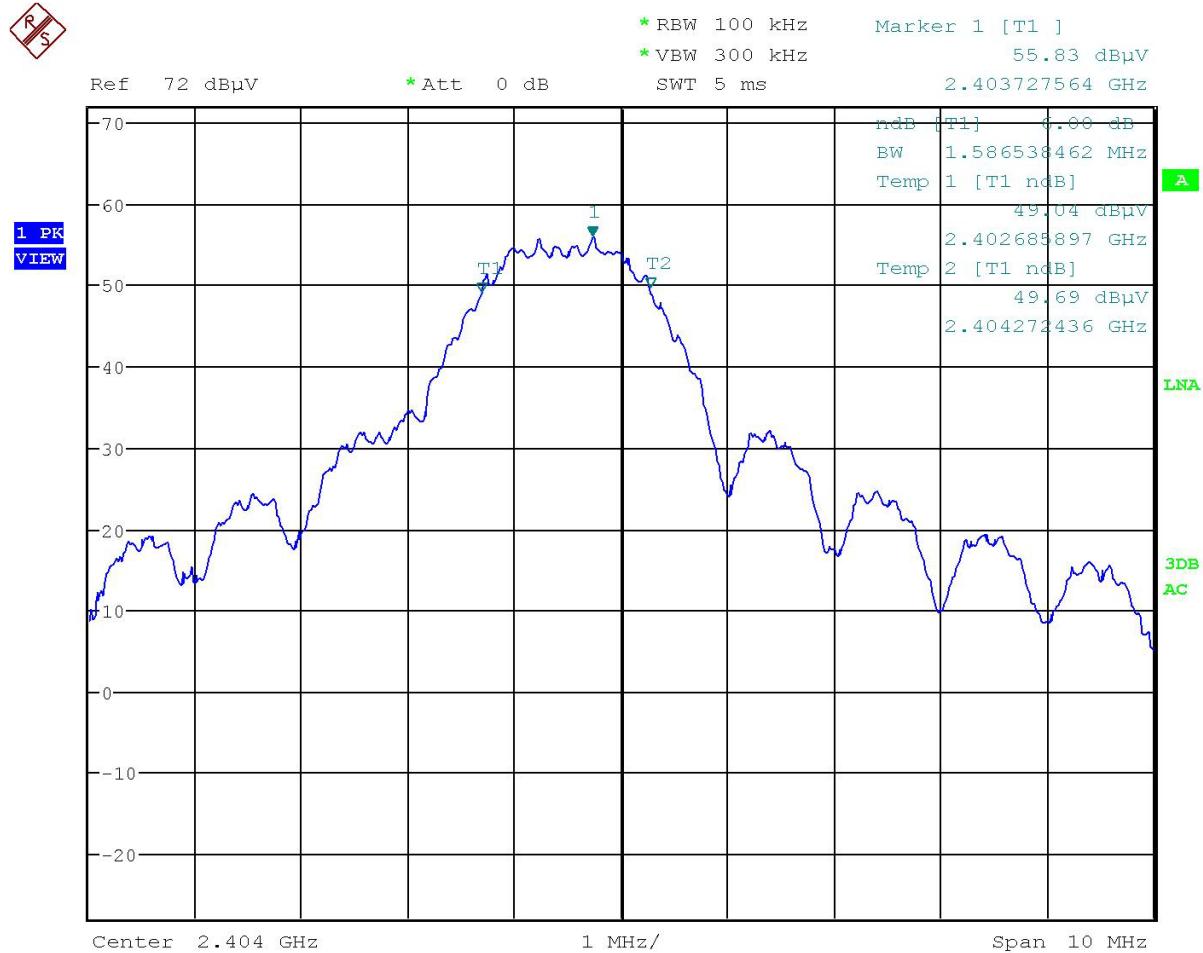
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 23

## OCCUPIED BANDWIDTH – TRANSMITTER A

Test Data: Transmitter A - Low End of Band



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

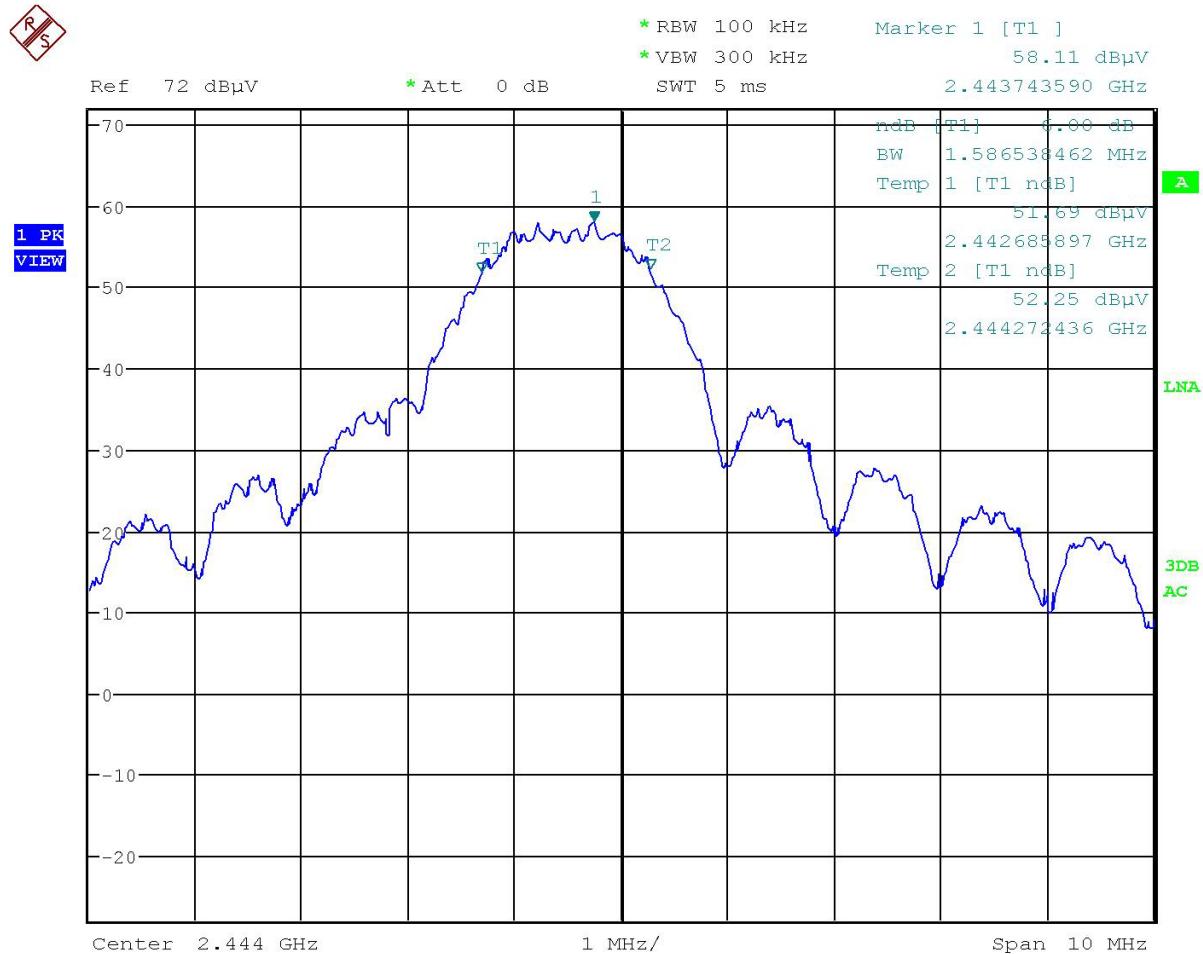
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 24

## OCCUPIED BANDWIDTH – TRANSMITTER A

Test Data: Transmitter A - Middle of Band



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

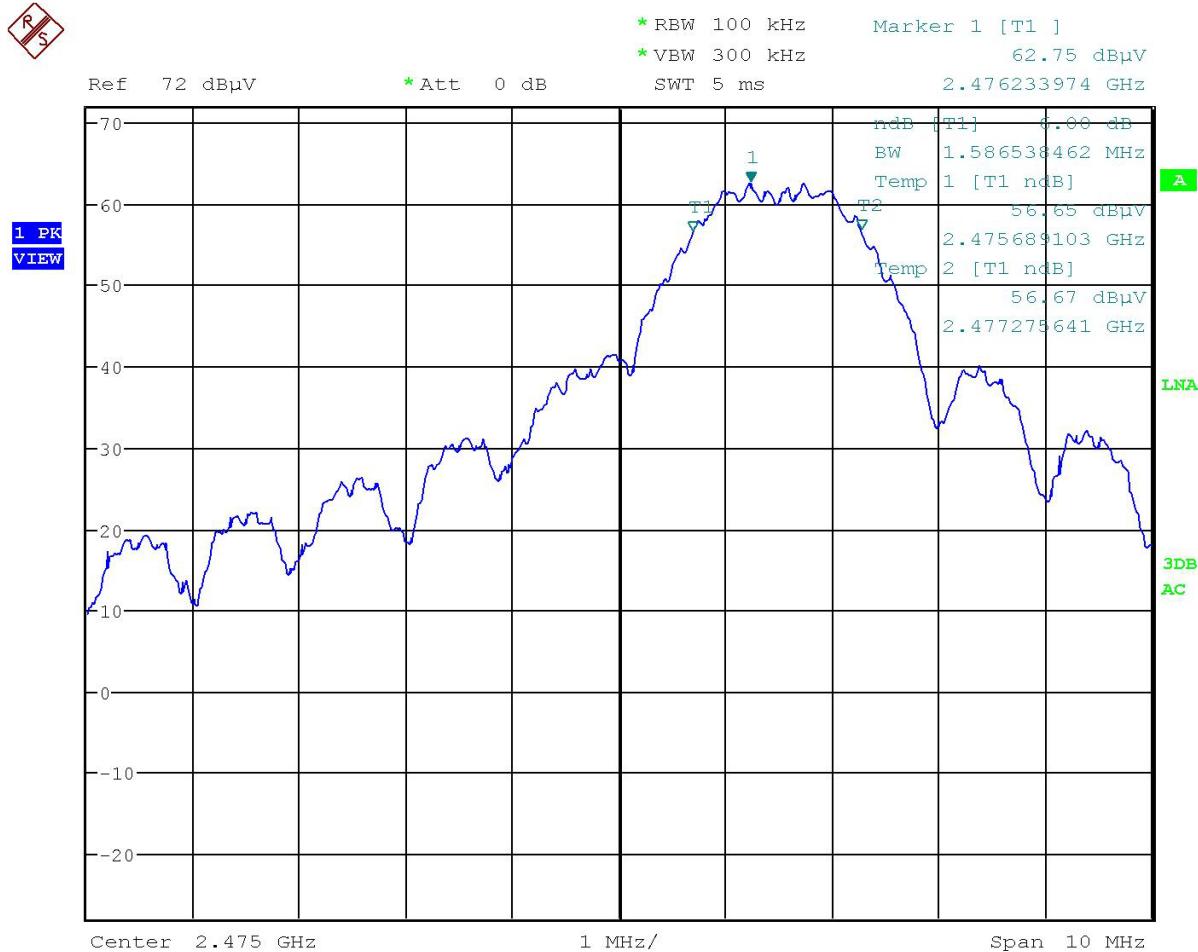
FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

## OCCUPIED BANDWIDTH – TRANSMITTER A

Test Data: Transmitter A - High End of Band



RESULTS: Meets Requirements

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

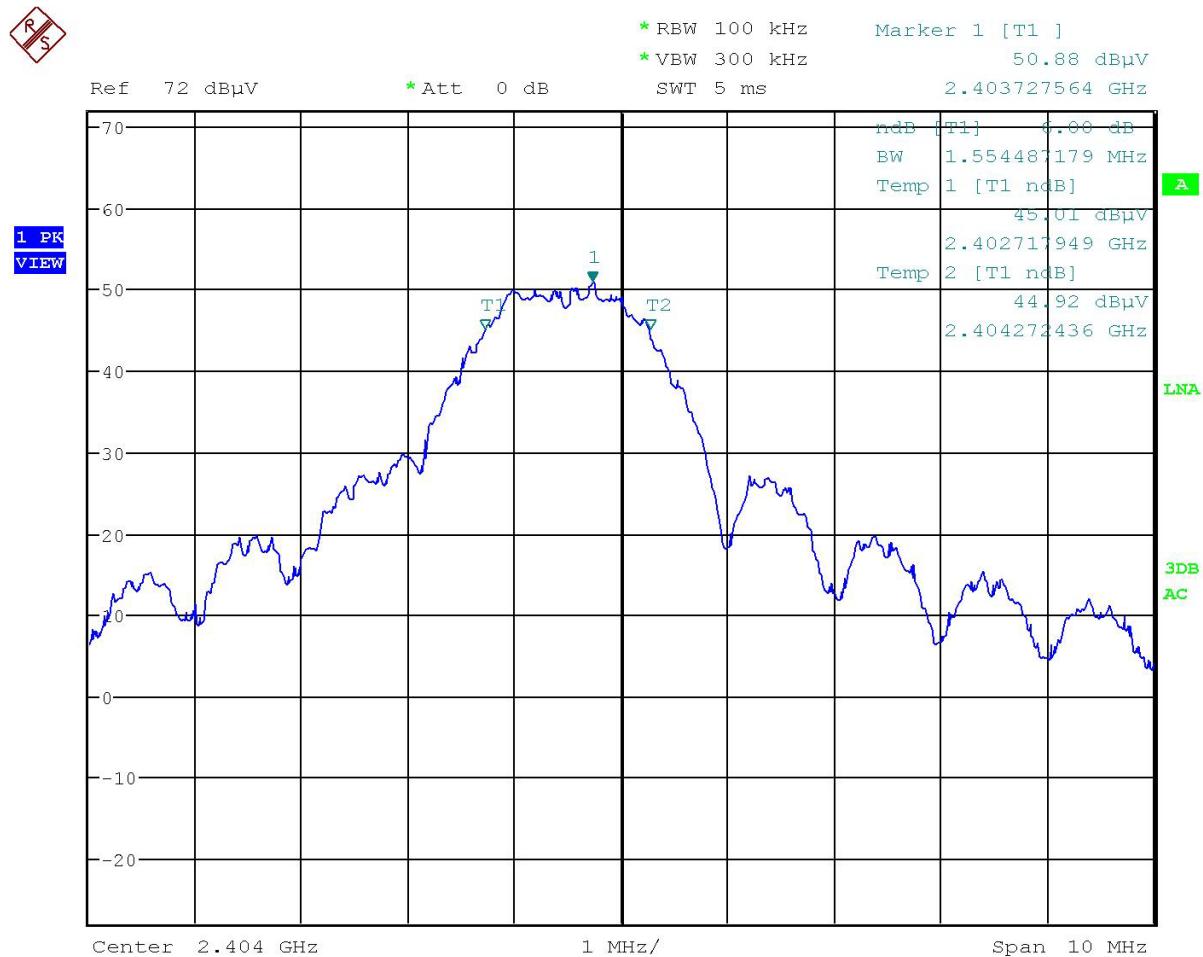
FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

## OCCUPIED BANDWIDTH – TRANSMITTER B

### Test Data: Transmitter B - Low End of Band



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

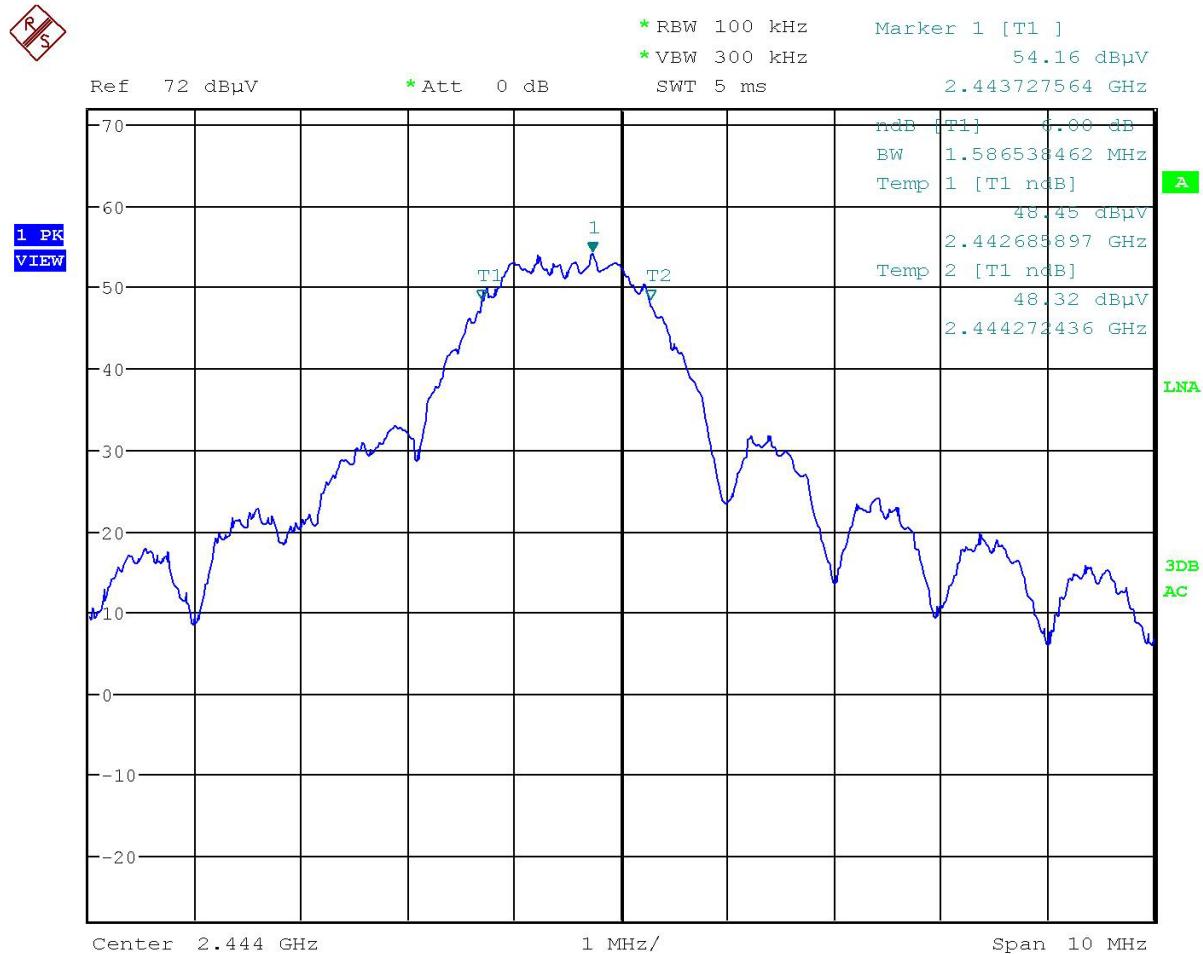
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 27

## OCCUPIED BANDWIDTH – TRANSMITTER B

**Test Data: Transmitter B - Middle of Band**



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 28



APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

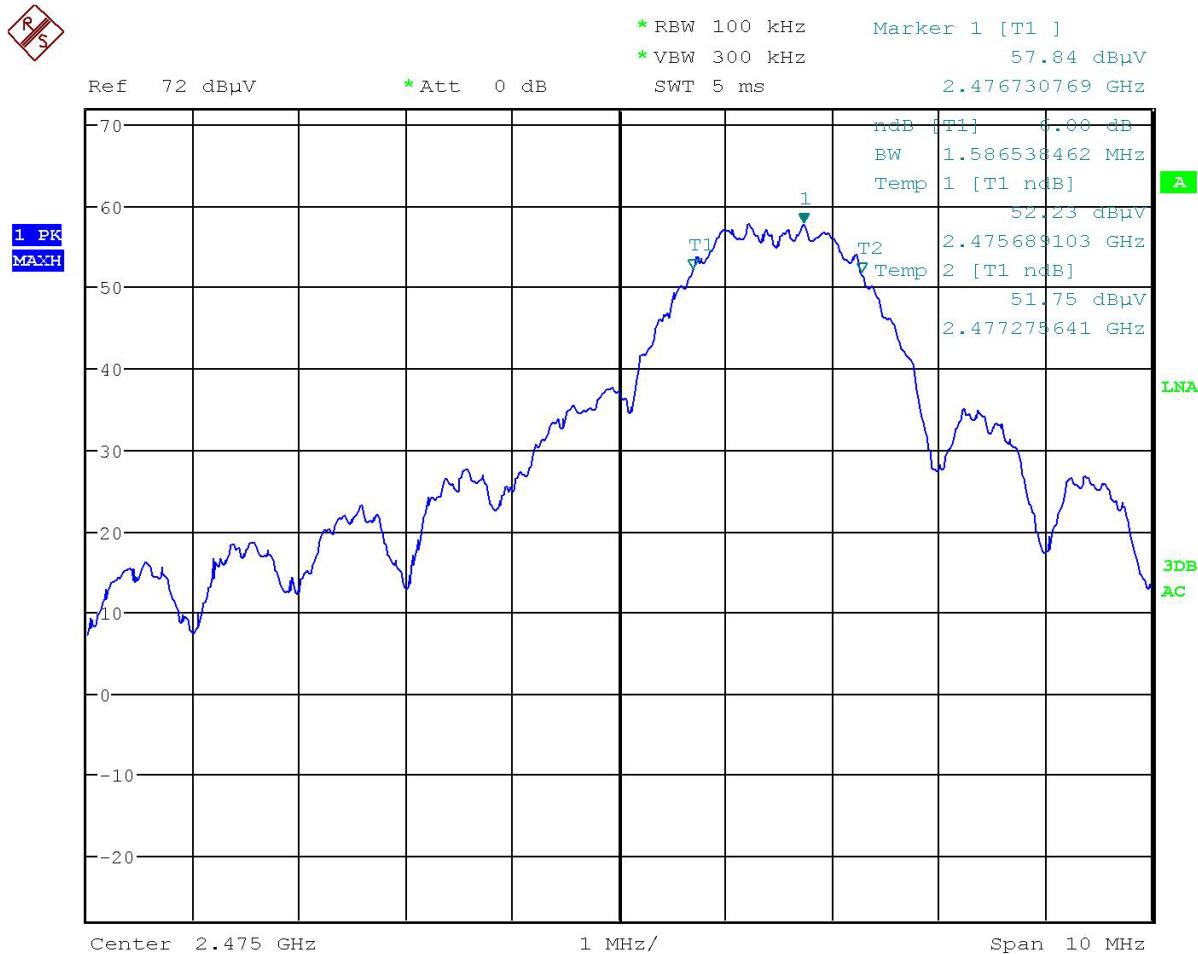
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 29

## OCCUPIED BANDWIDTH – TRANSMITTER B

Test Data: Transmitter B - High End of Band



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

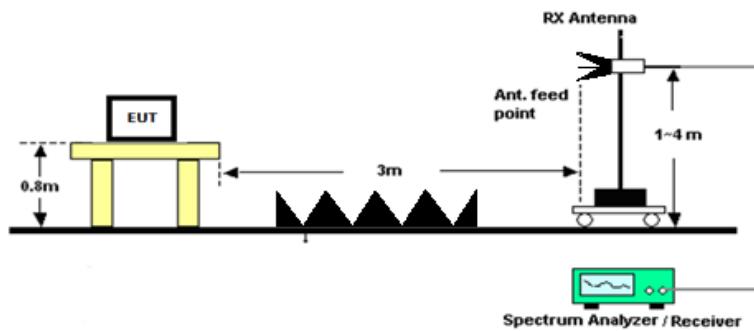
## BANDEDGE EMISSIONS

**Rule Part No.:** 15.247(d), & 15.205(a) (b) (c)

**Requirements:** Emissions must be at least 20dB down from the highest emission level Within the authorized band as measured with a 100 kHz RBW, additionally adjacent restricted band edge emissions must comply with 15.209 limits.

**Test Method:** KDB 558074 D01 DTS Meas Guidance v03r02 § 10.2.5.2, for non-restricted bandedges & KDB 558074 D01 DTS Meas Guidance v03r02 § 10.2.5.2 for Restricted Bandedges for emissions within 2 MHz from Edge of Band.

**Setup:**



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

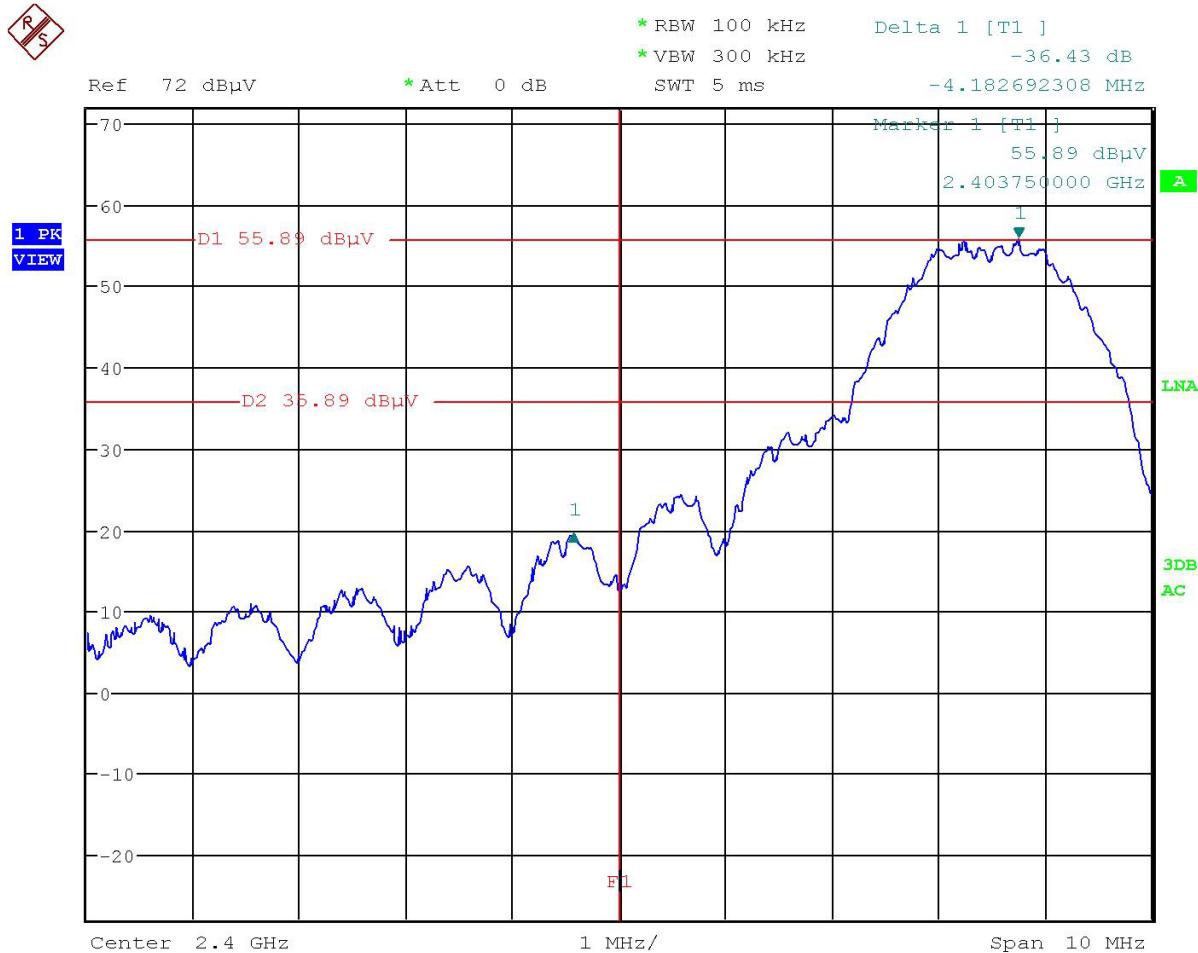
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 31

## BANDEDGE EMISSIONS

**Data:** Simultaneous Operation - Lower Band Edge



**RESULTS:** Meets Requirements

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

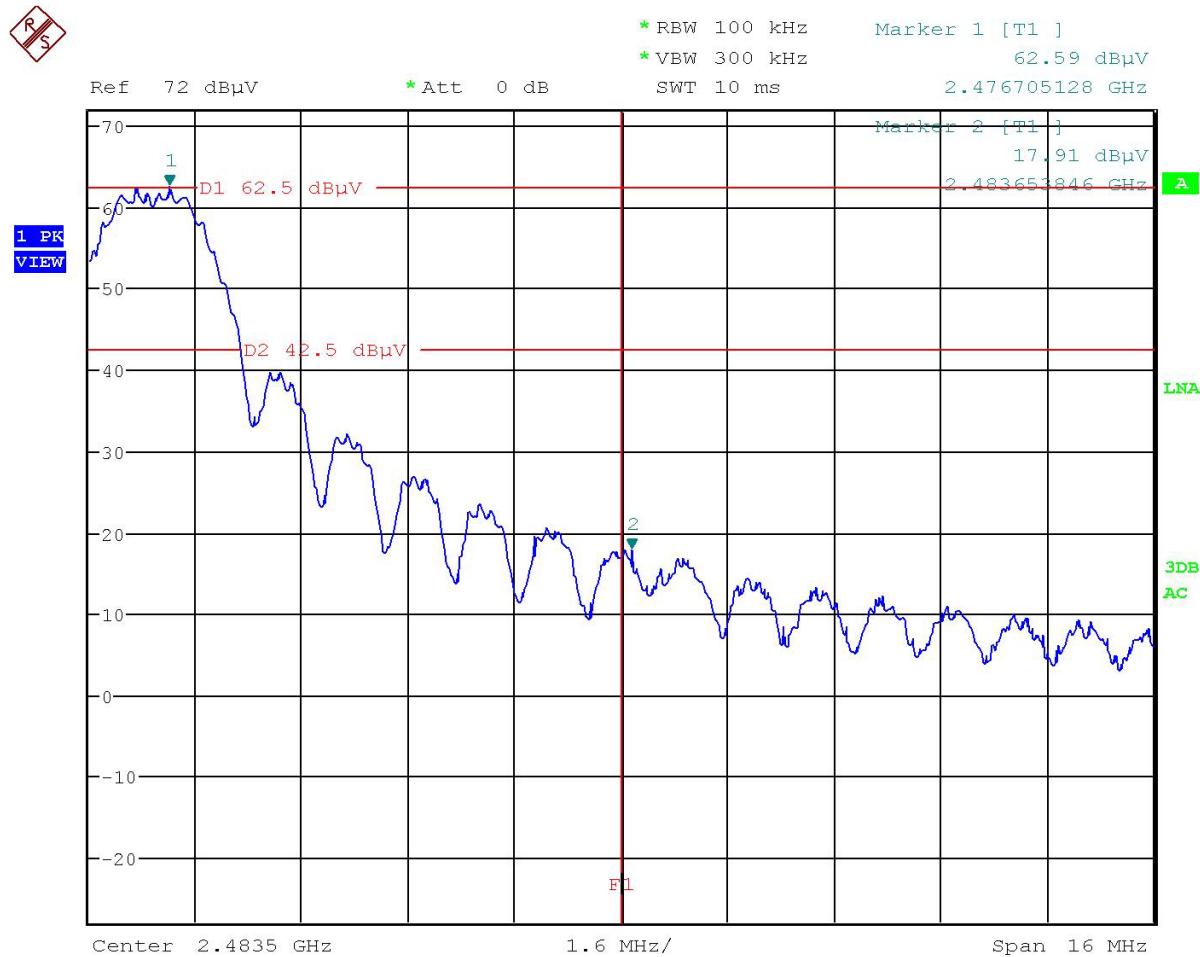
REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

## BANDEDGE EMISSIONS

Data: Simultaneous Operation – Upper Restricted Band Edge

Field Strength of Carrier (dBuV/m)	Emission Level Below Carrier (dB)	Field Strength of Emission (dBuV/m)	Emission Limit (dBuV/m)	Margin (dB)
98.14	44.68	53.46	53.98	0.52



**RESULTS: Meets Requirements**

[Table of Contents](#)

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 33



## RADIATED SPURIOUS EMISSIONS

**Rules Part No.:** 15.247(d), & 15.205(a) (b) (c)

**Requirements:** Emissions must be at least 20dB down from the highest emission level Within the authorized band as measured with a 100 kHz RBW.  
Emissions found in restricted bands of 15.205(a) must also meet the limits of 15.209

Frequency	Limits
FCC Part 15.209	
9 to 490 kHz	2400/F (kHz) $\mu$ V/m @ 300 meters
490 to 1705 kHz	24000/F (kHz) $\mu$ V/m @ 30 meters
1705 kHz to 30 MHz	29.54 dB $\mu$ V/m @ 30 meters
30 – 88	40.0 dB $\mu$ V/m @ 3 meters
80 – 216	43.5 dB $\mu$ V/m @ 3 meters
216 – 960	46.0 dB $\mu$ V/m @ 3 meters
Above 960	54.0 dB $\mu$ V/m @ 3 meters

**Test Method:** KDB 558074 D01 DTS Meas Guidance v03r02 § 10.2.1 & ANSI C63.10

### Radiated Spurious Restricted Band Emissions:

ANSI C63.10-2009 using a spectrum analyzer, and an appropriate antenna. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The resolution bandwidth was 100 kHz with an appropriate sweep speed and the video bandwidth was 300 kHz up to 1 GHz and 1 MHz with a video BW of 3 MHz above 1 GHz. When an emission was found, the table was rotated to produce the maximum signal strength. The antenna was placed in both the horizontal and vertical planes and the worst case emissions were reported. The spectrum was searched from the lowest radio frequency generated to at least the tenth (10) harmonic of the fundamental.

The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The EUT was placed in the center of the table (1.5m side). The table used for radiated measurements is capable of continuous rotation.

When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes. Emissions attenuated more than 20 dB below the permissible value are not reported.

**Formula of Conversion Factors:** The field strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dB $\mu$ V) to the antenna correction factor supplied by the antenna manufacturer plus the coax loss. The antenna correction factors are stated in terms of dB. The gain of the preselector was accounted for in the spectrum analyzer meter reading.

Example:

$$\begin{array}{lll} \text{Freq (MHz)} & \text{Meter Reading} & + \text{ACF} \quad + \text{CL} = \text{FS} \\ 33 & 20 \text{ dB}\mu\text{V} & + 10.36 \text{ dB} \quad + 0.5 = 30.86 \text{ dB}\mu\text{V/m} @ 3\text{m} \end{array}$$

### Table of Contents

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31



APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

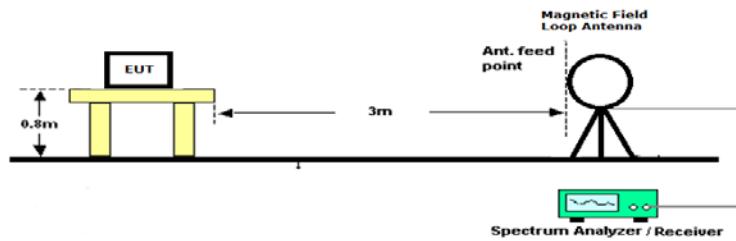
FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 35

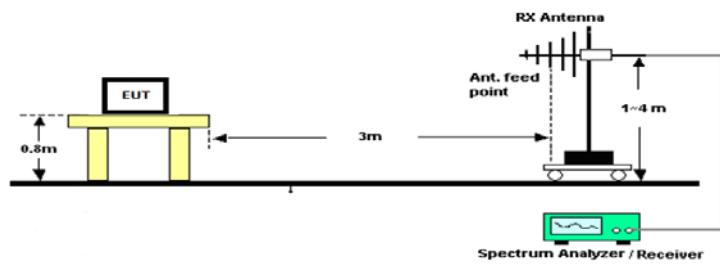
## RADIATED SPURIOUS EMISSIONS

**Setup:**

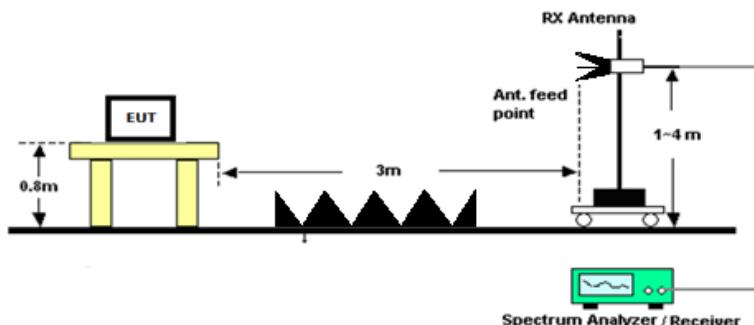
### Emissions below 30 MHz



### Emissions 30 – 1000 MHz



### Emissions above 1 GHz



APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31



## RADIATED SPURIOUS EMISSIONS

### Test Data:

No harmonics or spurious emissions present within 20dB of the limit in any operating mode.

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 37



## EMC EQUIPMENT LIST

Device	Manufacturer	Model	Serial Number	Cal/Char Date	Due Date
Antenna: Biconnical Chamber	Eaton Chamber	94455-1	1057	06/14/13	12/14/15
Antenna: Log- Periodic Chamber	Eaton	96005	1243	05/31/13	11/30/15
Antenna: Passive Loop	EMC Test Systems	EMCO 6512	9706-1211	06/14/12	11/14/15
LISN	Electro- Metrics	ANS-25/2	2604	01/07/14	01/07/16
3-Meter Semi- Anechoic Chamber	Panashield	N/A	N/A	12/31/13	12/31/15
Ant: Double- Ridged Horn/ETS Horn 1 Ch	ETS-Lindgren Chamber	3117	00035923	06/13/14	06/13/16
EMI Test Receiver R & S ESIB 40 Screen Room	Rohde & Schwarz	ESIB 40	100274	08/12/14	08/12/16
EMI Test Receiver R & S ESU 40 Chamber	Rohde & Schwarz	ESU 40	100320	03/11/14	03/11/16

### \*EMI RECEIVER SOFTWARE VERSION

The receiver firmware used was version 4.43 Service Pack 3

APPLICANT: SOUTHERN STATES, LLC

FCC ID: 2ADWTASD01

REPORT: \\TIMCO-

FILESRV\CLUS\_2015\S\SOUTHERN\802AUT15\802AUT15TESTREPORT\_REV1.DOCX  
of 31

Page 38