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FCC PART 15.247 & IC RSS-247

2.4 GHz DTS

TEST REPORT

Applicant	SKULPT, INC.
Address	333 BRYANT ST. , SUITE 330
	SAN FRANCISCO CA 94107 USA
FCC ID	2AF43-13
IC Certification Number	20757-13
Model Number	AIM ₂
Product Description	FITNESS TRACKING DEVICE
Date Sample Received	10/5/2015
Final Test Date	10/12/2015
Tested By	Cory Leverett
Approved By	Sid Sanders

Report Number	Version Number	Description	Issue Date
2059AUT15TestReport	Rev1	Initial Issue	10/13/2015

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

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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:

A handwritten signature in blue ink, appearing to read "Cory Leverett", is written over a circular red stamp. The stamp contains the text "TIMCO ENGINEERING, INC." and "NEWBERRY, FL 32669".

Cory Leverett
Engineering Project Manager

Date: 10/13/2015

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Applicant: SKULPT, INC.
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GENERAL INFORMATION

EUT Specification

Regulatory Standards	FCC Title 47 CFR Part 15.247 IC RSS-247 Issue 1 IC RSS-GEN Issue 4		
FCC ID	2AF43-13		
IC Certification Number	20757-13		
Model	AIM ^②		
EUT Description	Fitness Tracking Device		
Modulation Type	Bluetooth LE (GFSK 1 Mbps)		
Operating Frequency	TX: 2402 – 2480 MHz	RX: 2402 – 2480 MHz	
EUT Power Source	<input checked="" type="checkbox"/> 110–120Vac/50– 60Hz (While in charging Cradle)		
	<input type="checkbox"/> DC Power		
	<input checked="" type="checkbox"/> Battery Operated		
Test Item	<input type="checkbox"/> Prototype	<input checked="" type="checkbox"/> Pre-Production	<input type="checkbox"/> Production
Type of Equipment	<input type="checkbox"/> Fixed	<input type="checkbox"/> Mobile	<input checked="" type="checkbox"/> Portable
Antenna Connector	None (Temp Connector Provided for testing)		
Antenna	Integral PCB Chip		
Test Facility	Timco Engineering Inc. located at 849 NW State Road 45 Newberry, FL 32669 USA.		
Test Conditions	Temperature: 24-26°C Relative humidity: 50-65%		
Measurement Standard	ANSI C63.10-2013 (Measurement Procedures) ANSI C63.4-2009 (Radiated Site Validation)		
Test Exercise	The EUT was tested in a continuous transmission mode		

Test Supporting Equipment

Device	Manufacturer	Model	S/N	Supplied By	Used For
Charging Cradle	Skulpt	-	-	Applicant	Charging EUT, Powerline Conducted test

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RESULTS SUMMARY

FCC Rule Part No.	IC Standard Ref.	Requirement	Test Item	Result
15.207 (a)	RSS-GEN 8.8	AC Powerline Conducted Emissions	Powerline Conducted	Pass
15.215 (c)	RSS-GEN 6.6	Occupied Bandwidth	99% Bandwidth	Pass
			20 dB Bandwidth	Pass
15.247(a)(e)	RSS-247 § 5.2	Digital Transmission Systems	6 dB Bandwidth	Pass
			Power Spectral Density	Pass
15.247(b)	RSS-247 § 5.4	Transmitter Output Power and Equivalent Isotropically Radiated Power	Peak Power Output (ERP)	Pass
			Antenna Gain (EIRP)	Pass
15.247(d)	RSS-247 § 5.5	Unwanted Emissions	Bandedge	Pass
			Radiated Spurious	Pass

Notes:

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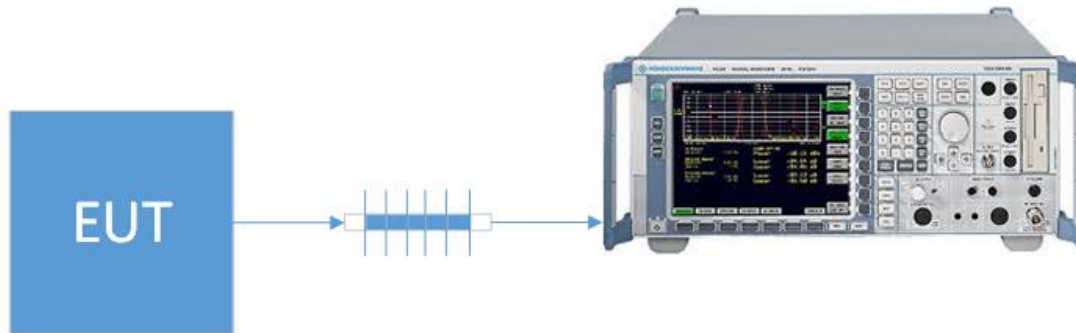
DTS BANDWIDTH

Rules Part No.: FCC 15.247 (a)(2) , IC RSS 247 § 5.2.1

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

Test Method: ANSI C63.10 § 11.8.1 DTS Bandwidth Option 1

Setup:



Test Data: 6 dB Occupied Bandwidth Measurement Table

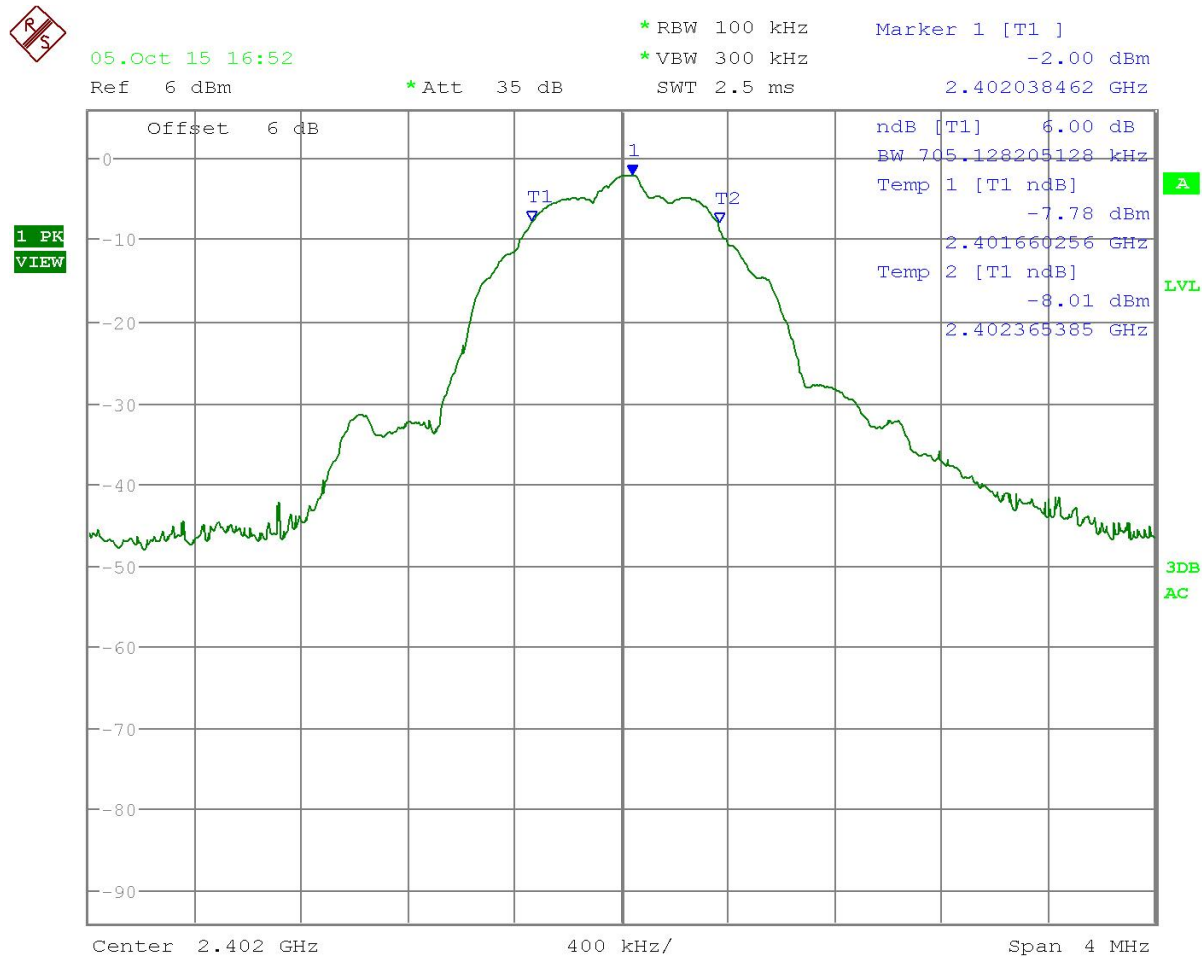
Tuned Frequency (MHz)	6 dB BW (KHz)	Limit (KHz)	Margin (KHz)
2402	705.12	≥ 500	205.12
2442	685.89	≥ 500	185.89
2480	666.66	≥ 500	166.66

RESULTS: Meets Requirements

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DTS BANDWIDTH

Test Data: 6dB Bandwidth Plot Low End of Band



Date: 5.OCT.2015 16:52:32

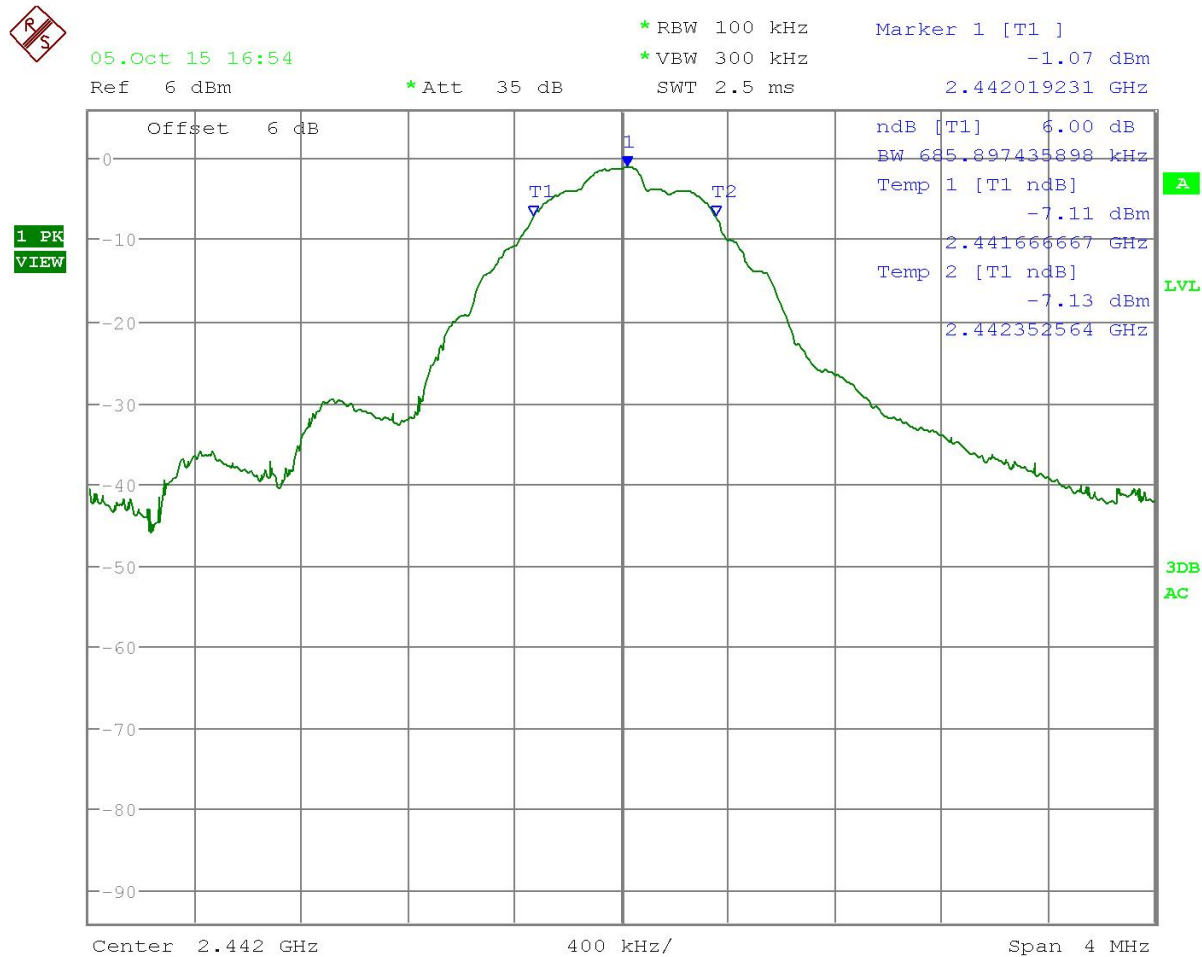
RESULTS: Meets Requirements

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DTS BANDWIDTH

Test Data: 6dB Bandwidth Plot Middle of Band



Date: 5.OCT.2015 16:54:25

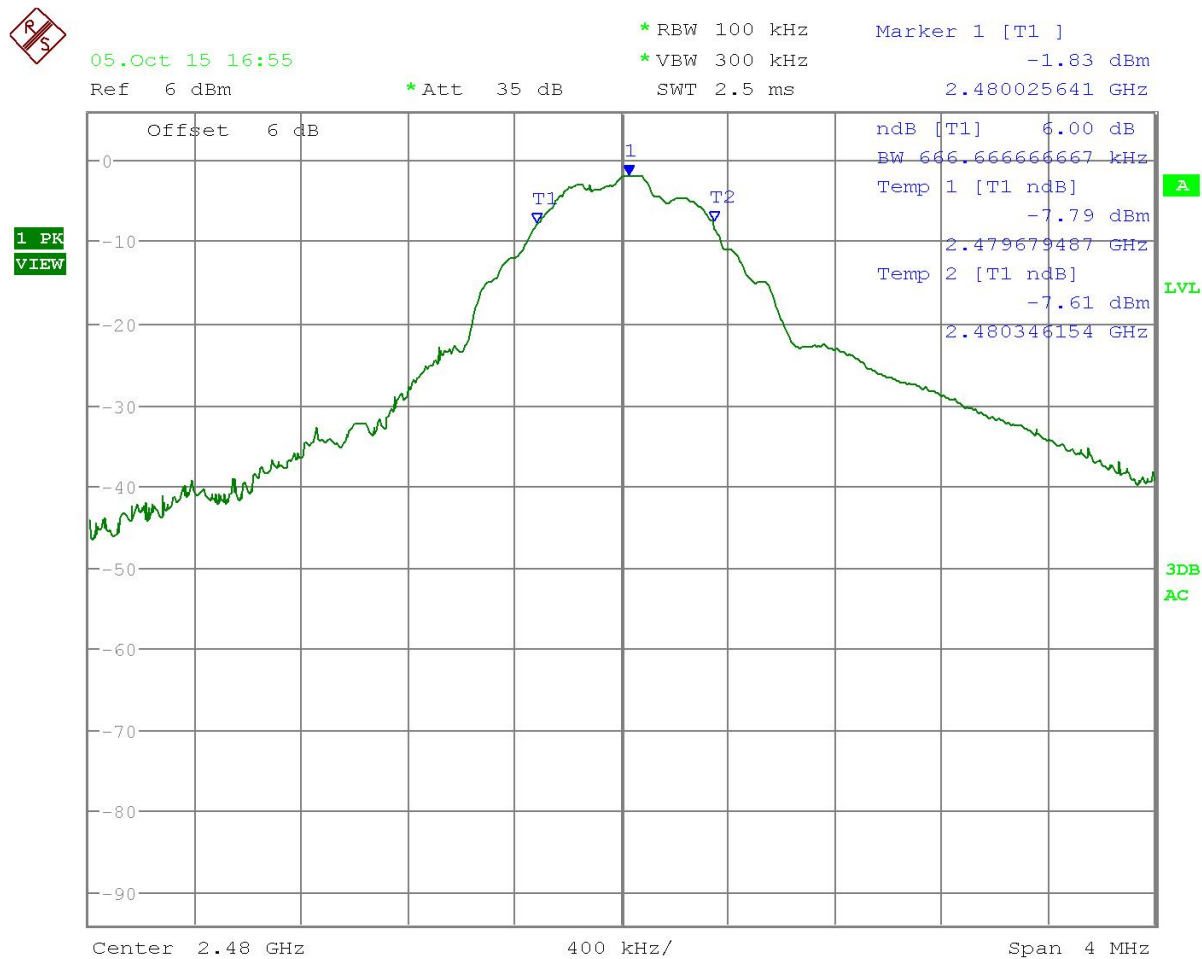
RESULTS: Meets Requirements

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DTS BANDWIDTH

Test Data: 6dB Bandwidth Plot High end of Band



Date: 5.OCT.2015 16:55:45

RESULTS: Meets Requirements

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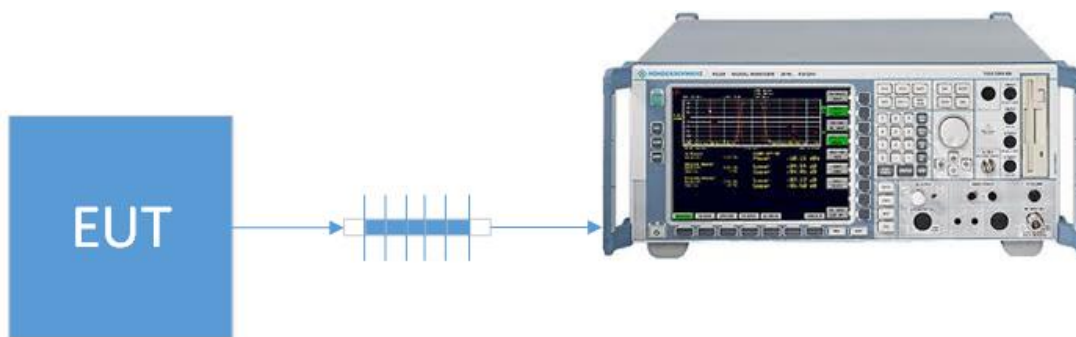
PEAK POWER OUTPUT

Rules Part No.: FCC 15.247(b) (3) (4), IC RSS 247 § 5.4.4

Requirements: Maximum Conducted Peak Power Output shall not exceed 1 Watt
Also the Peak Power Output shall not exceed 4 Watts EIRP

Test Method: ANSI C63.10 § 11.2 Power Limits, definitions, and device configuration
ANSI C63.10 § 11.9.1.1 Fundamental Output Power $RBW \geq DTS$ Bandwidth
ANSI C63.10 § Annex G Relationship among Field Strength and ERP/EIRP

Setup:



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PEAK POWER OUTPUT

Test Data: **Peak Power Output Measurement Table**

Peak Conducted Power Output Measurement				
Tuned Frequency (MHz)	Level (dBm)	ERP (W)	Limit (W)	Margin (W)
2402	-1.63	0.00069	1.00	0.99931
2442	-0.85	0.00082	1.00	0.99918
2480	-1.64	0.00069	1.00	0.99931

ERP to EIRP Conversion formula: $EIRP = ERP + 2.15 \text{ dB}$

Peak EIRP Power Output Calculation				
Tuned Frequency (MHz)	ERP (dBm)	EIRP (W)	Limit (W)	Margin (W)
2402	-1.63	0.00113	4.00	3.99887
2442	-0.85	0.00135	4.00	3.99865
2480	-1.64	0.00112	4.00	3.99888

RESULTS: Meets Requirements

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PEAK POWER OUTPUT

Test Data: Peak Power Output Plot Low End of Band



05.Oct 15 16:59

Ref 6 dBm

* Att 35 dB

* RBW 1 MHz

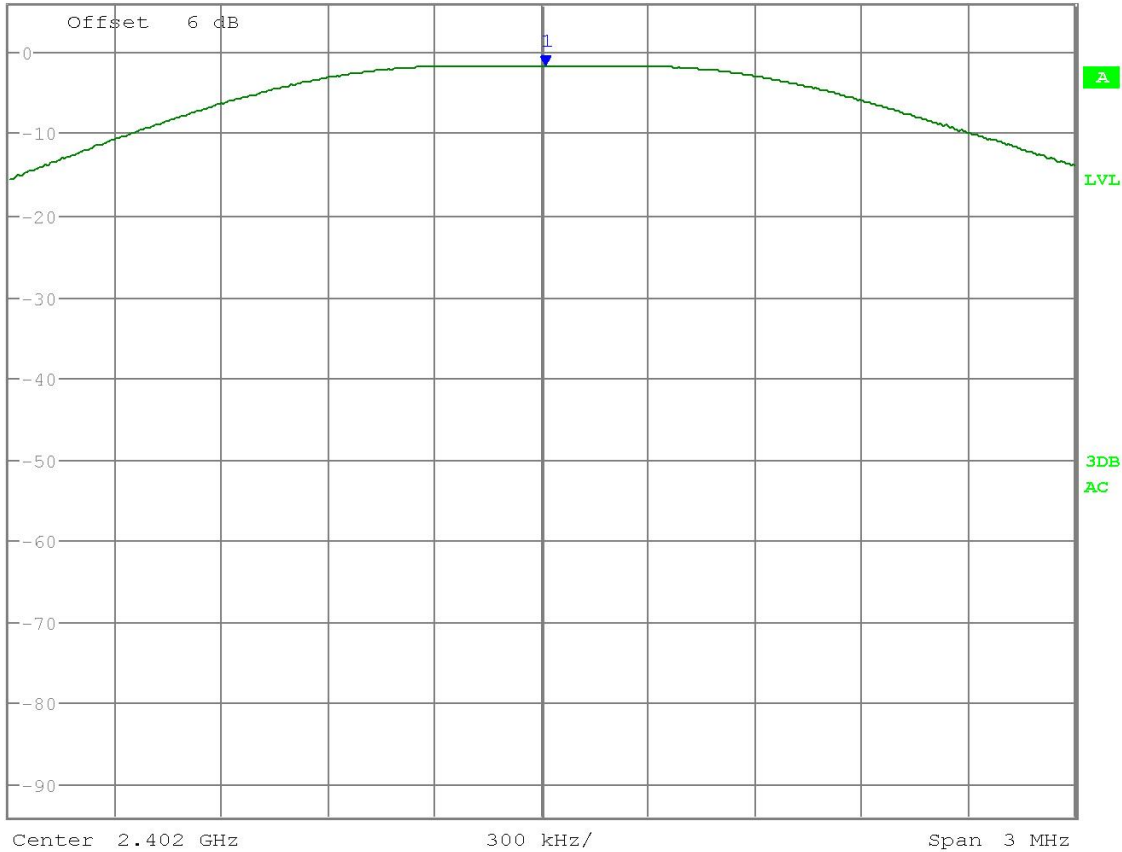
* VBW 3 MHz

SWT 2.5 ms

Marker 1 [T1]

-1.63 dBm

2.402009615 GHz



Date: 5.OCT.2015 16:59:41

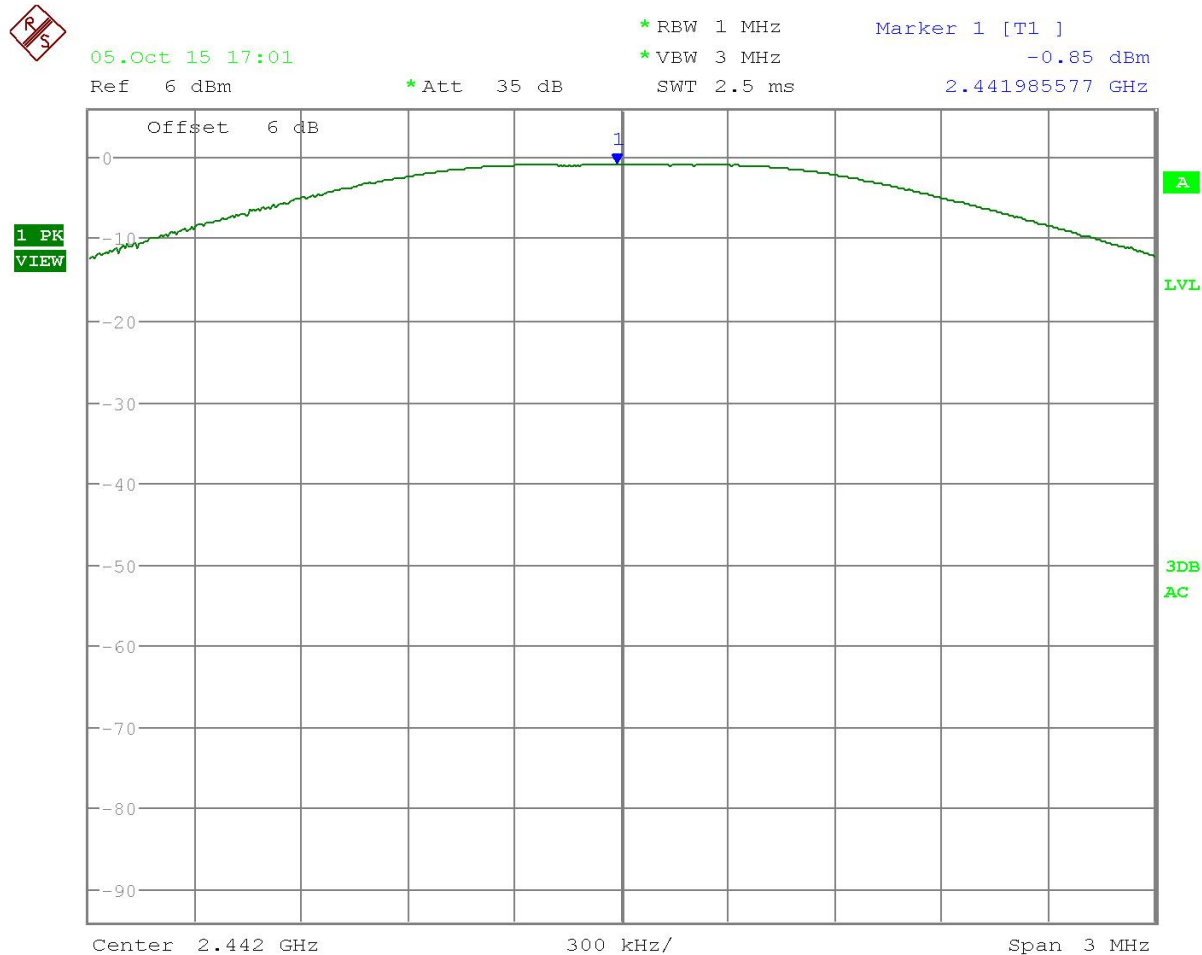
RESULTS: Meets Requirements

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PEAK POWER OUTPUT

Test Data: Peak Power Output Plot Middle of Band



Date: 5.OCT.2015 17:01:16

RESULTS: Meets Requirements

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PEAK POWER OUTPUT

Test Data: Peak Power Output High End of Band



05.Oct 15 16:58

Ref 6 dBm

* Att 35 dB

* RBW 1 MHz

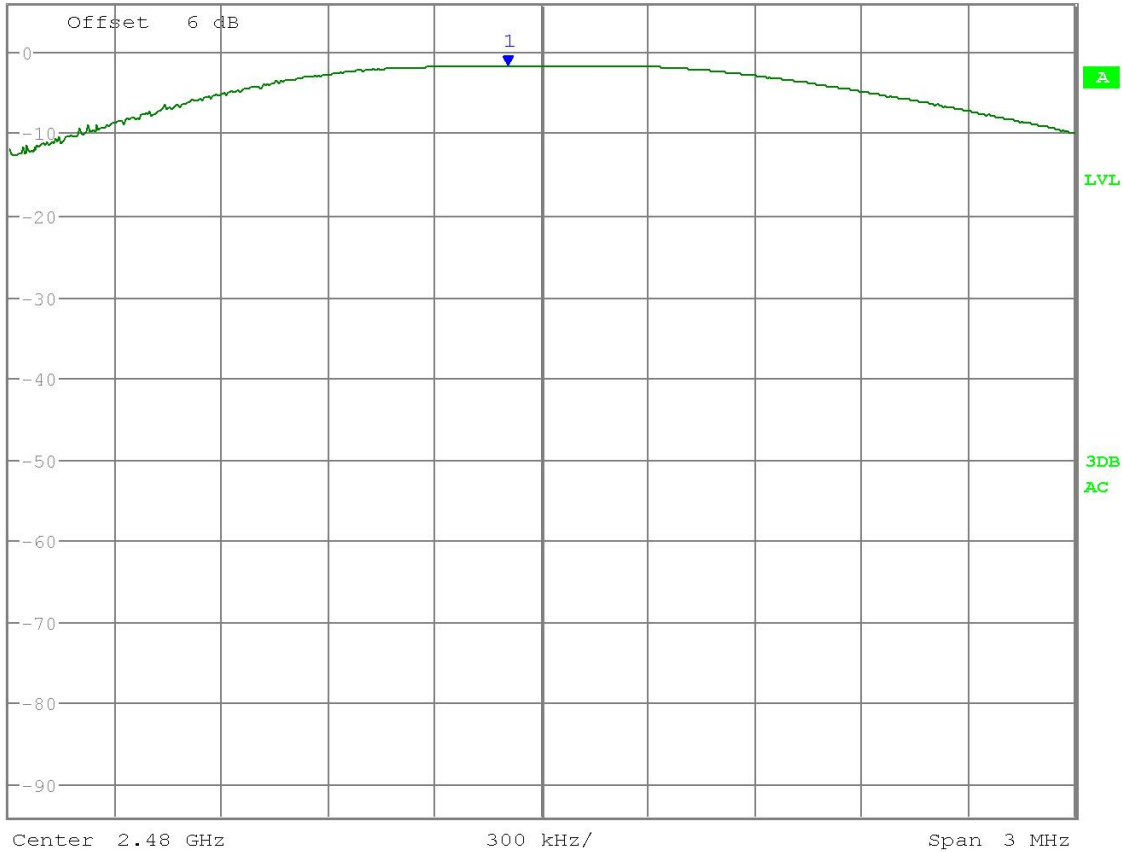
* VBW 3 MHz

SWT 2.5 ms

Marker 1 [T1]

-1.64 dBm

2.479903846 GHz



Date: 5.OCT.2015 16:58:23

RESULTS: Meets Requirements

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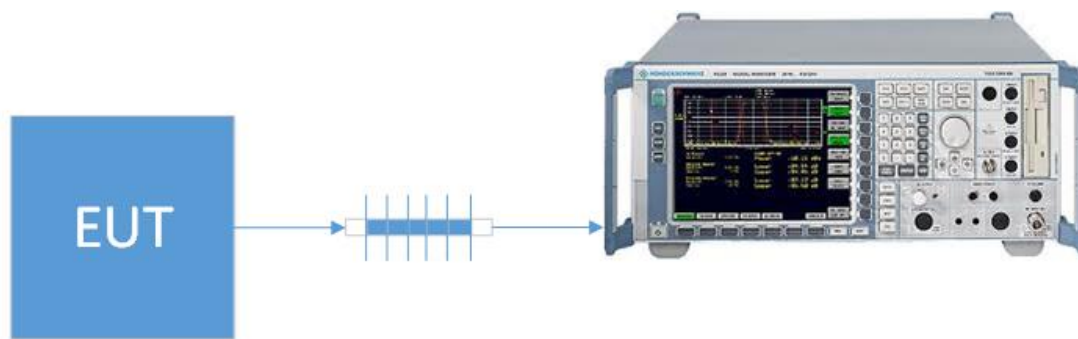
POWER SPECTRAL DENSITY

Rules Part No.: FCC 15.247(e), IC RSS 247 § 5.2.2

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

Test Method: ANSI C63.10 § 11.2 Power Limits, definitions, and device configuration
ANSI C63.10 § 11.10.2 Maximum PSD in the fundamental- Method PKPSD

Setup:



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POWER SPECTRAL DENSITY

Test Data: **Power Spectral Density Measurement Table**

Peak Conducted Power Spectral Density			
Tuned Frequency (MHz)	Level (dBm/3KHz)	Limit (dBm/3KHz)	Margin (dB)
2402	-3.27	8.00	11.27
2442	-2.75	8.00	10.75
2480	-3.76	8.00	11.76

RESULTS: Meets Requirements

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POWER SPECTRAL DENSITY

Test Data: Power Spectral Density Plot Low End of Band



Date: 6.OCT.2015 09:19:09

RESULTS: Meets Requirements

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POWER SPECTRAL DENSITY

Test Data: Power Spectral Density Plot Middle of Band



06.Oct 15 09:18

Ref 6 dBm

*Att 35 dB

*RBW 3 kHz

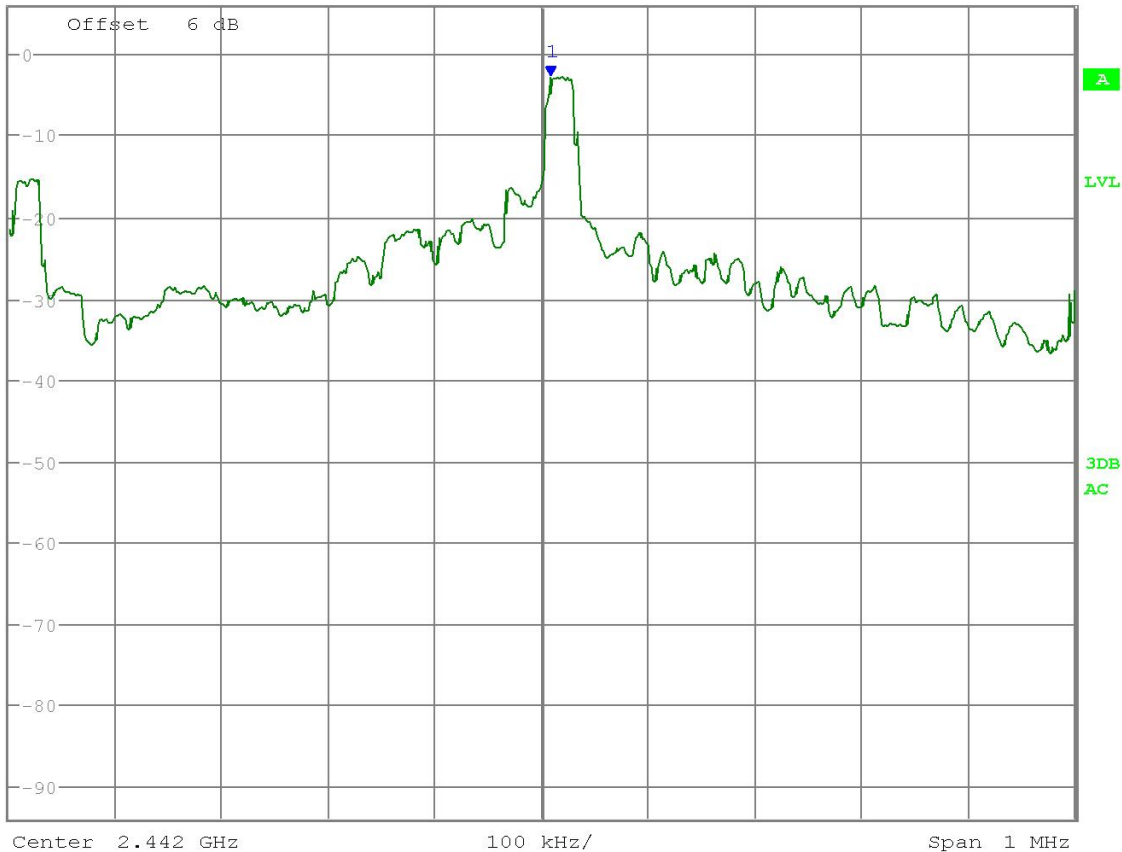
*VBW 10 kHz

SWT 115 ms

Marker 1 [T1]

-2.75 dBm

2.442008013 GHz



Date: 6.OCT.2015 09:18:11

RESULTS: Meets Requirements

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POWER SPECTRAL DENSITY

Test Data: Power Spectral Density Plot High End of Band



Date: 6.OCT.2015 09:14:43

RESULTS: Meets Requirements

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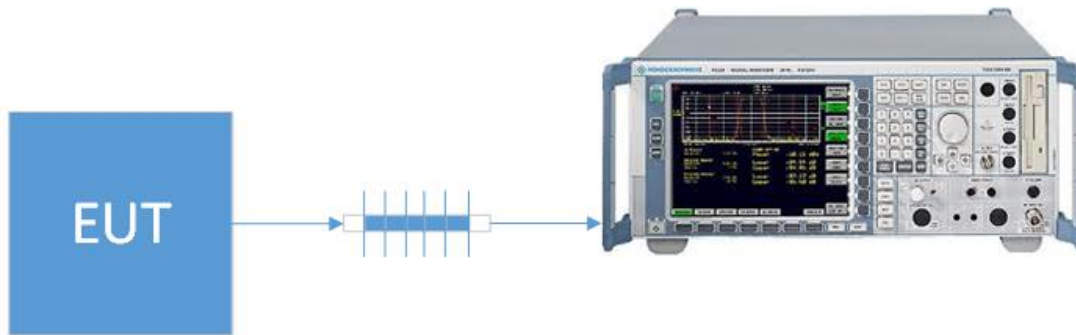
OCCUPIED BANDWIDTH

Rules Part No.: FCC 15.215 (c), IC RSS GEN § 6.6

Requirements: The 20 dB Bandwidth shall remain inside the band of operation.
The 99% Bandwidth is for reporting only.

Test Method: ANSI C63.10 § 6.9.2 Occupied Bandwidth- Relative procedure
ANSI C63.10 § 6.9.3 Occupied Bandwidth- 99% Power Bandwidth procedure

Setup:



Test Data: **Occupied Bandwidth Measurement Table**

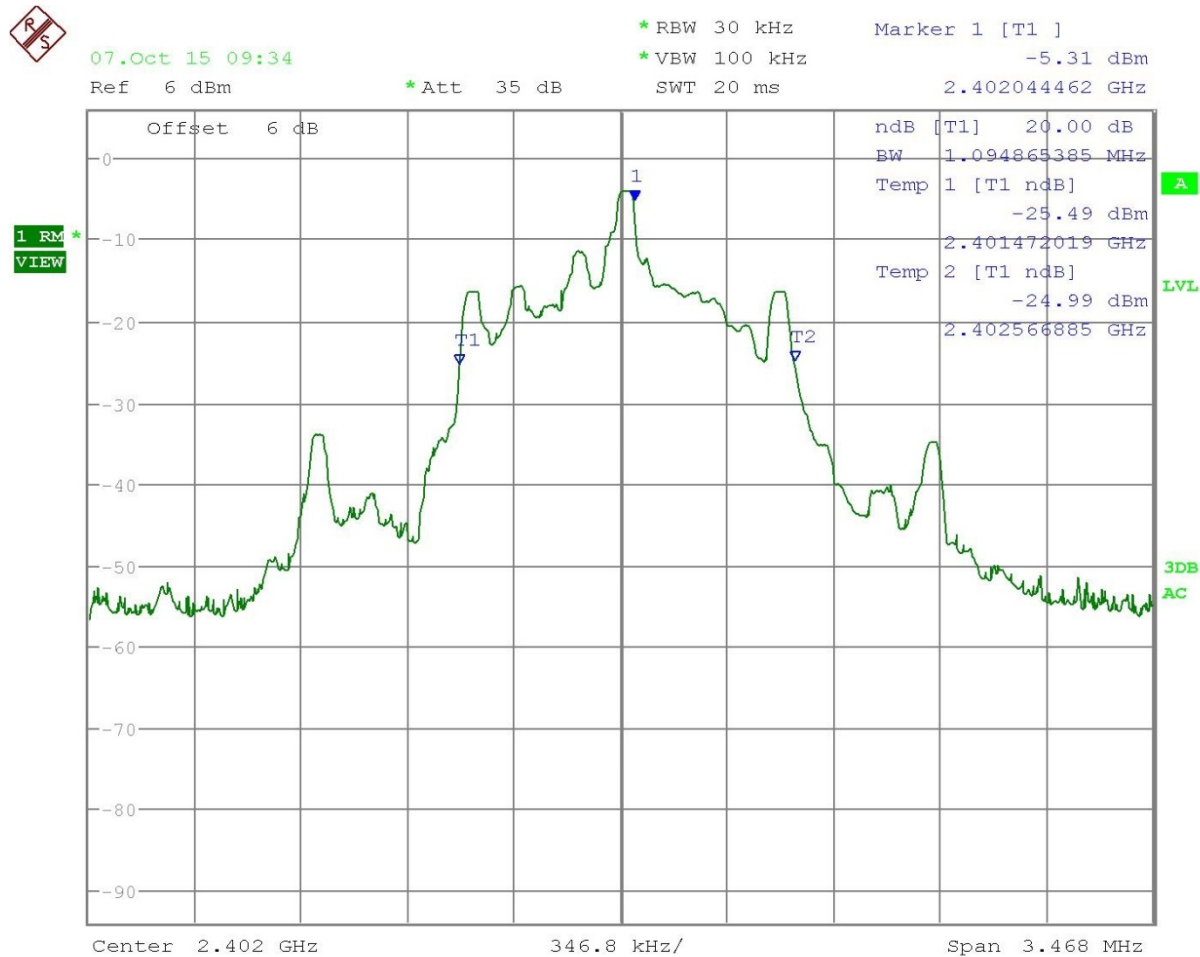
Tuned Frequency (MHz)	20 dB BW (MHz)	99% BW (MHz)
2402	1.09	1.06
2442	1.10	1.05
2480	1.10	1.05

RESULTS: Meets Requirements

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OCCUPIED BANDWIDTH

Test Data: 20 dB Bandwidth Plot Low End of Band



Date: 7.OCT.2015 09:34:27

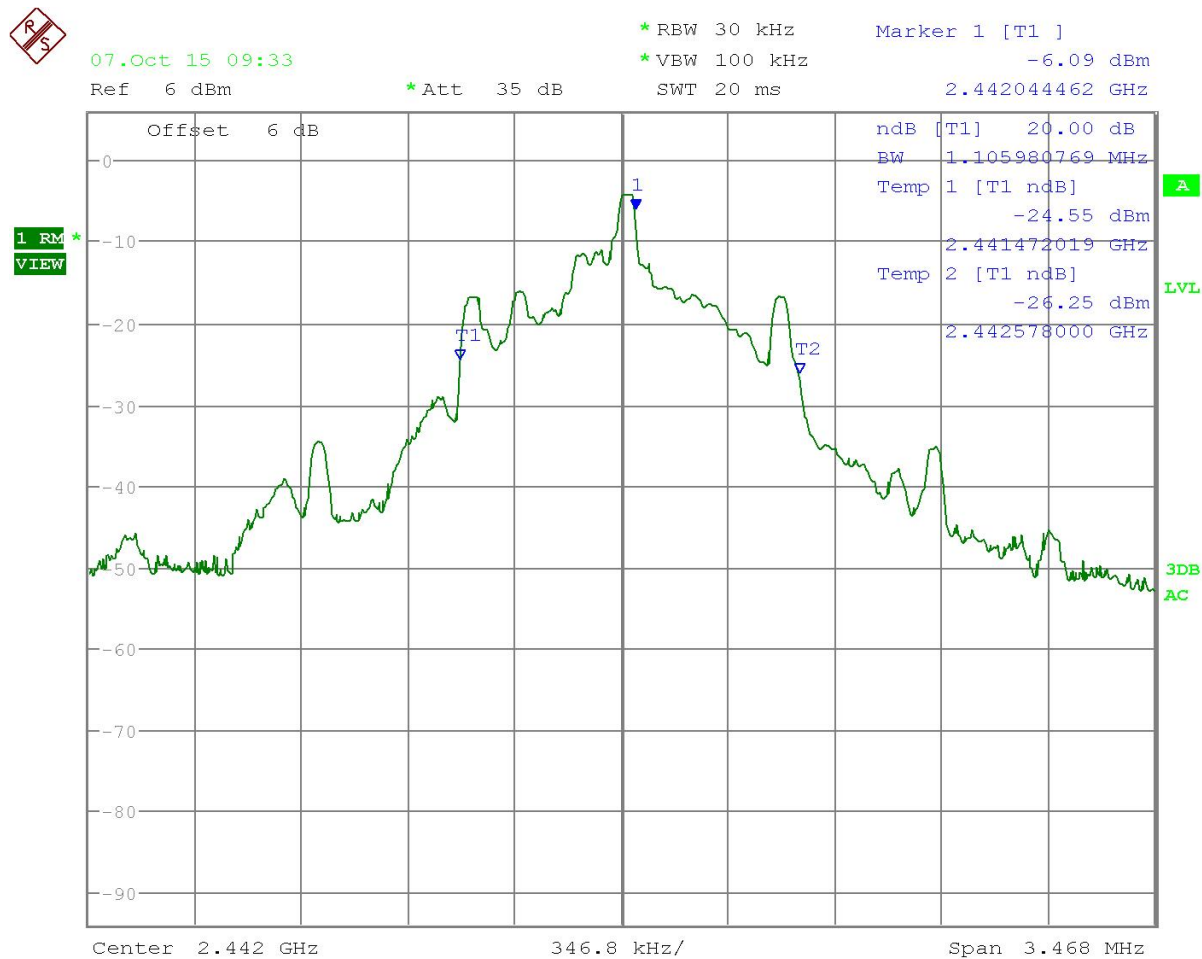
RESULTS: Meets Requirements

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Applicant: SKULPT, INC.
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OCCUPIED BANDWIDTH

Test Data: 20 dB Bandwidth Plot Middle of Band



Date: 7.OCT.2015 09:33:22

RESULTS: Meets Requirements

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OCCUPIED BANDWIDTH

Test Data: 20 dB Bandwidth Plot High end of Band



Date: 5.OCT.2015 16:45:41

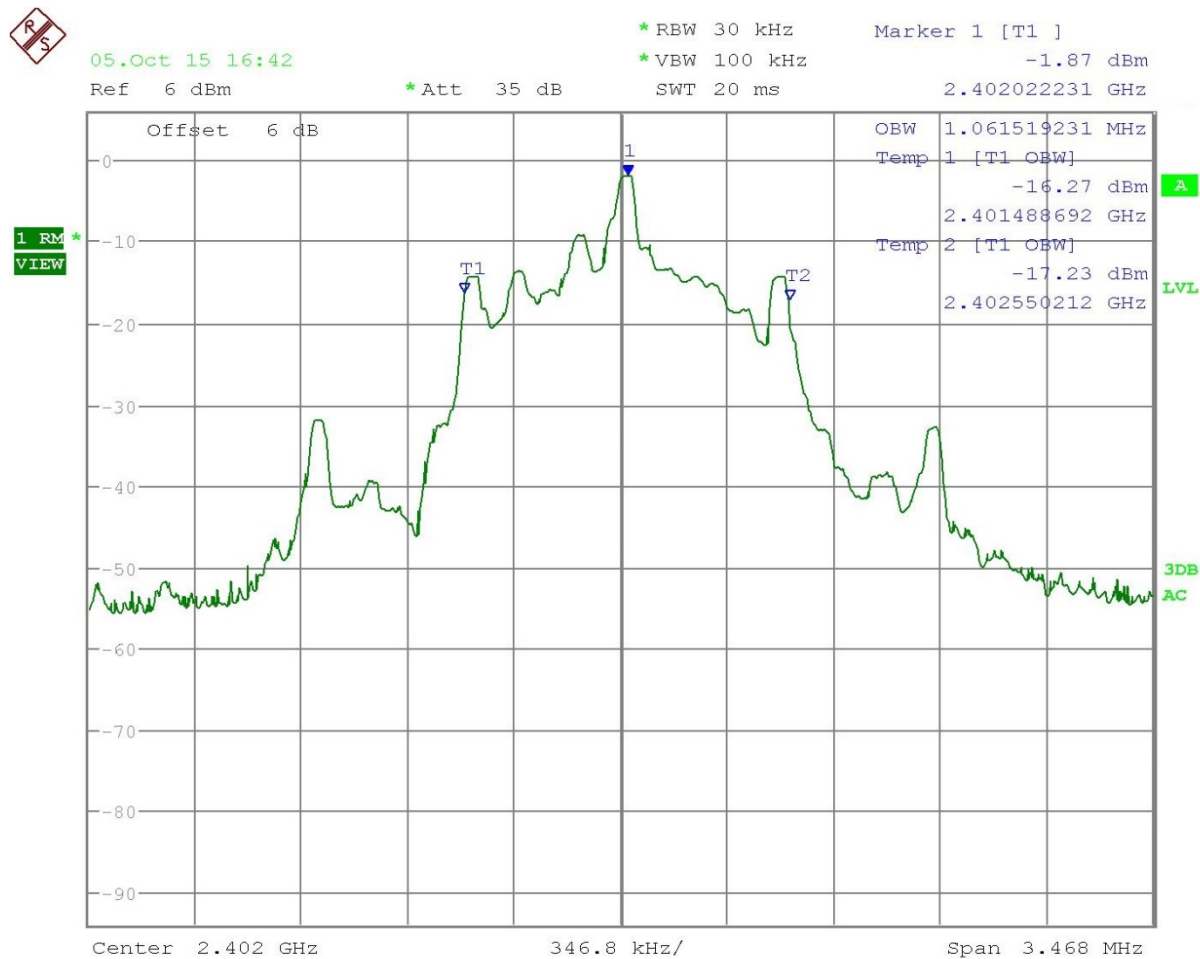
RESULTS: Meets Requirements

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OCCUPIED BANDWIDTH

Test Data: 99% Bandwidth Low End of Band



Date: 5.OCT.2015 16:42:24

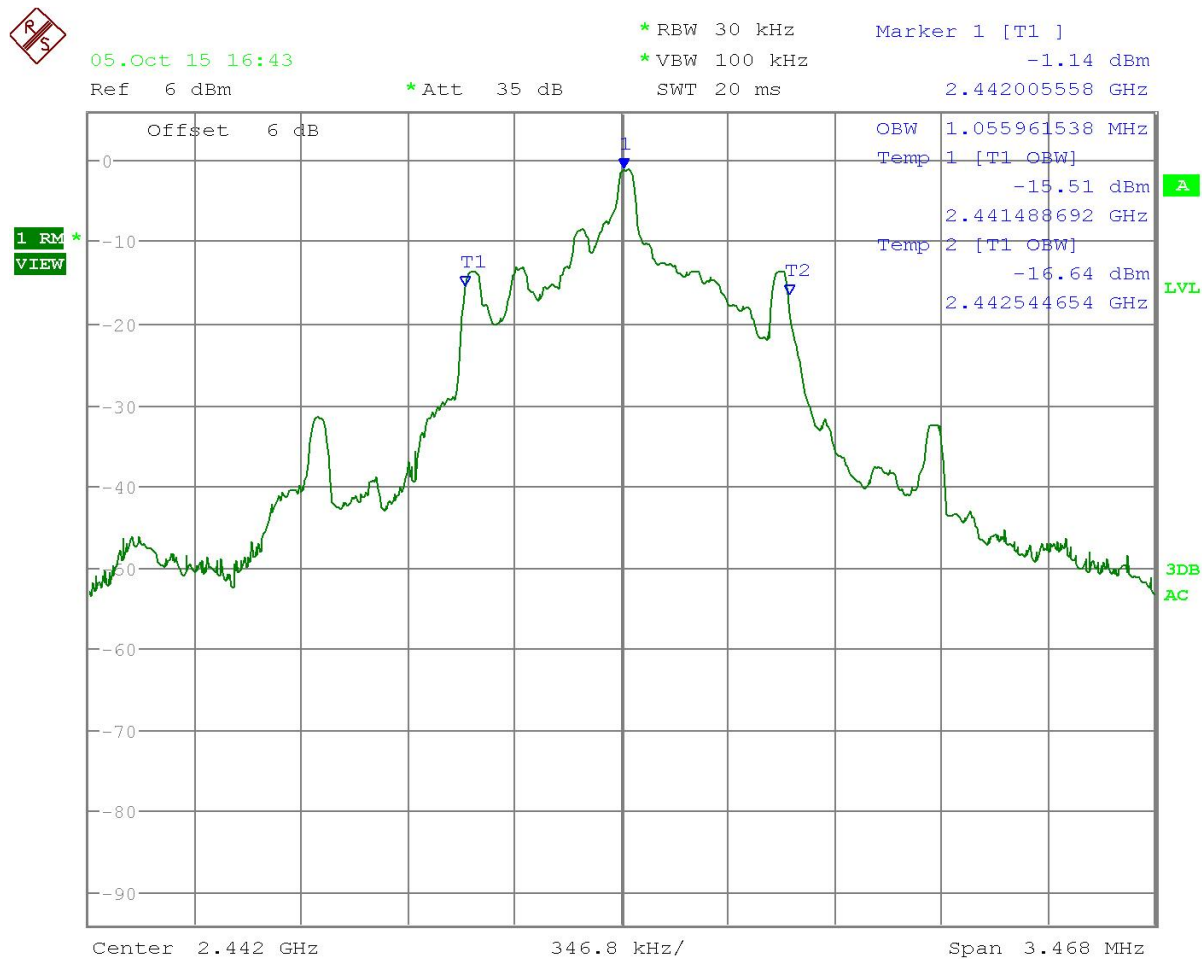
RESULTS: Meets Requirements

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OCCUPIED BANDWIDTH

Test Data: 99% Bandwidth



Date: 5.OCT.2015 16:43:19

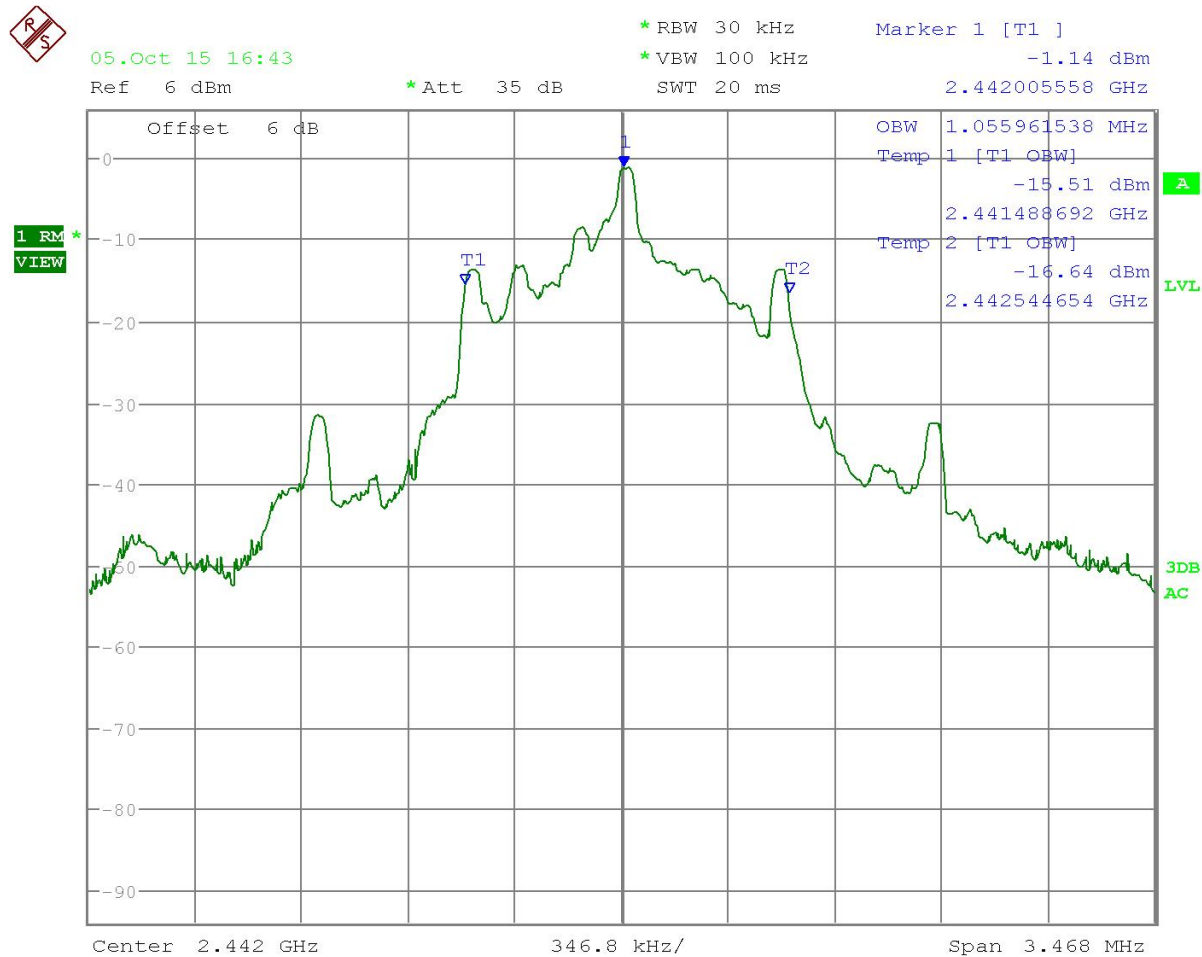
RESULTS: Meets Requirements

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OCCUPIED BANDWIDTH

Test Data: 99% Bandwidth High end of Band



Date: 5.OCT.2015 16:43:19

RESULTS: Meets Requirements

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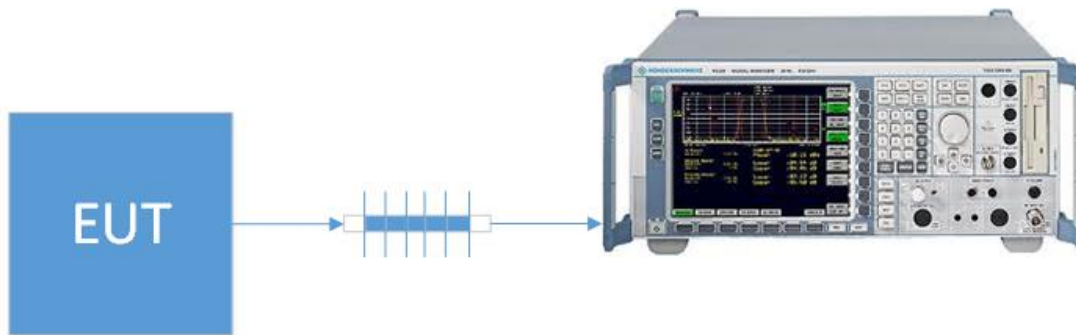
BANDEDGE

Rule Part No.: FCC 15.247(d), IC RSS 247 § 5.5

Requirements: Emissions must be at least 20dB down from the highest emission level
Within the authorized band as measured with a 100 kHz RBW.

Test Method: ANSI C63.10 § 6.10.4 Authorized band-edge relative method (non-restricted)
ANSI C63.10 § 6.10.6 Marker Delta Method (restricted band edge)

Setup:

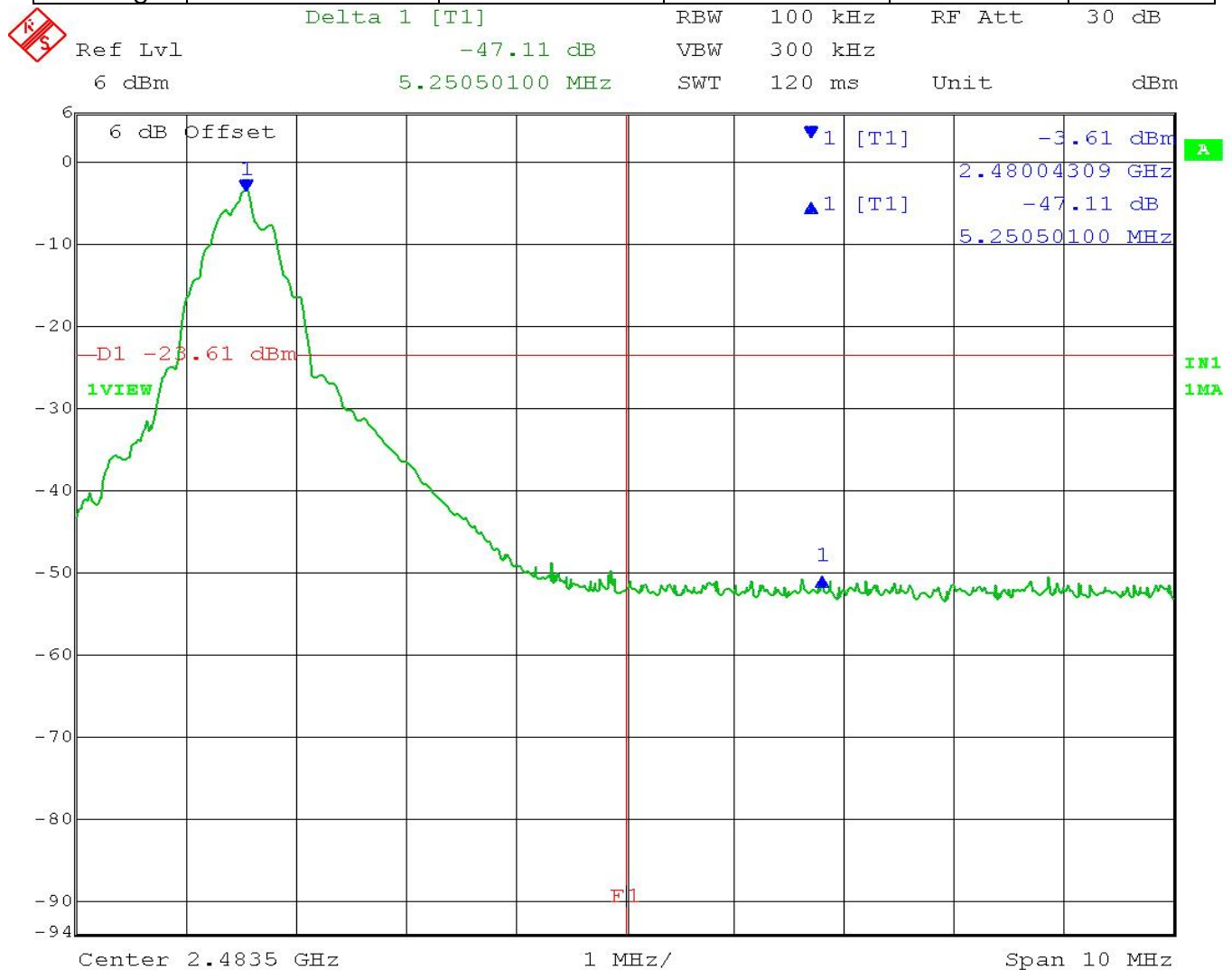


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BANDEDGE

Test Data: Upper Restricted Band Edge Plot Marker Delta Method

Peak/ Average	Field Strength of Carrier (dBuV/m)	Emission Level Below Carrier (dB)	Field Strength of Emission (dBuV/m)	Emission Limit (dBuV/m)	Margin (dB)
Peak	90.29	47.11	43.18	74	30.82
Average	74.34	47.11	27.23	54	26.77



Date: 6.OCT.2015 09:17:03


RESULTS: Meets Requirements

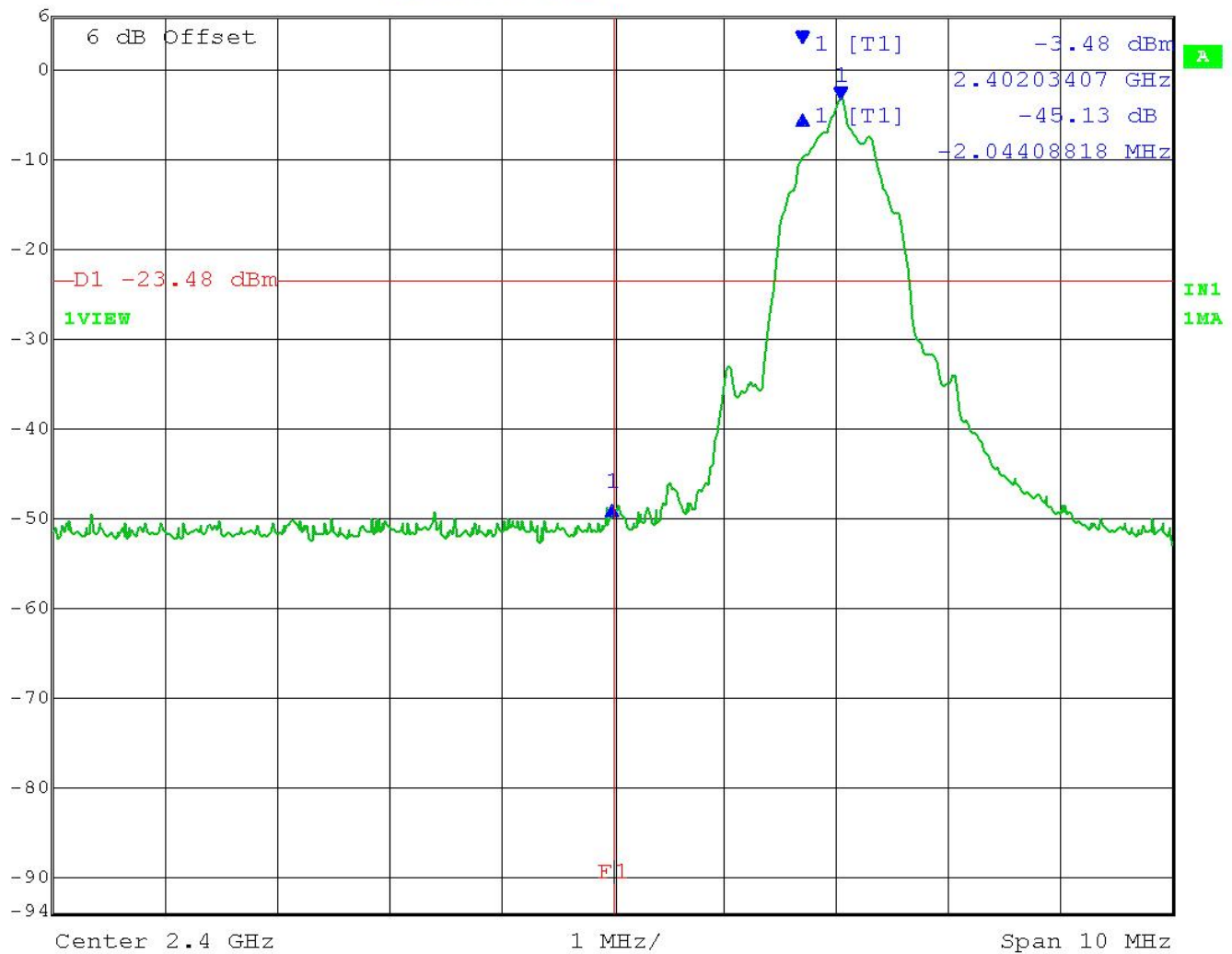
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BANDEDGE

Test Data: Lower Band Edge Plot


 Ref Lvl 6 dBm
 Delta 1 [T1] -45.13 dB
 -2.04408818 MHz
 RBW 100 kHz
 VBW 300 kHz
 SWT 120 ms
 RF Att 30 dB
 Unit dBm



Date: 6.OCT.2015 09:15:12

RESULTS: Meets Requirements

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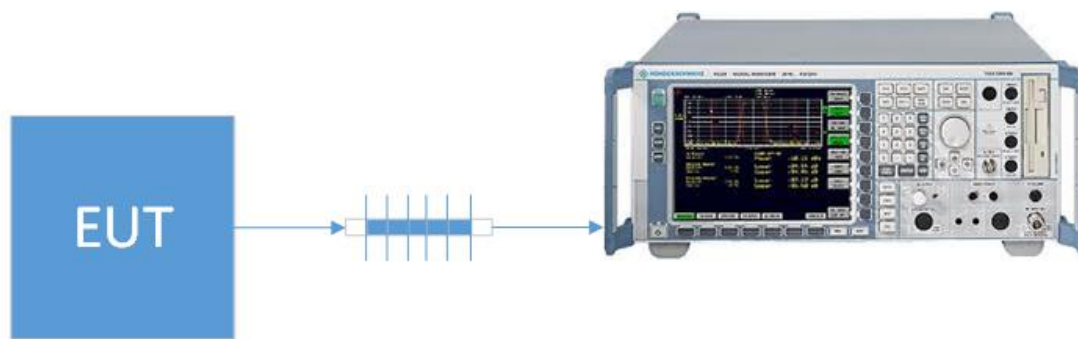
ANTENNA CONDUCTED SPURIOUS EMISSIONS

Rules Part No.: FCC part 15.247 (d) & 15.209, IC RSS 247 § 5.5 & RSS GEN § 8.9

Requirements: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below

Test Method: ANSI C63.10 § 11.11.1 General Information
ANSI C63.10 § 11.11.2 Reference level measurement
ANSI C63.10 § 11.11.3 Emission level measurement

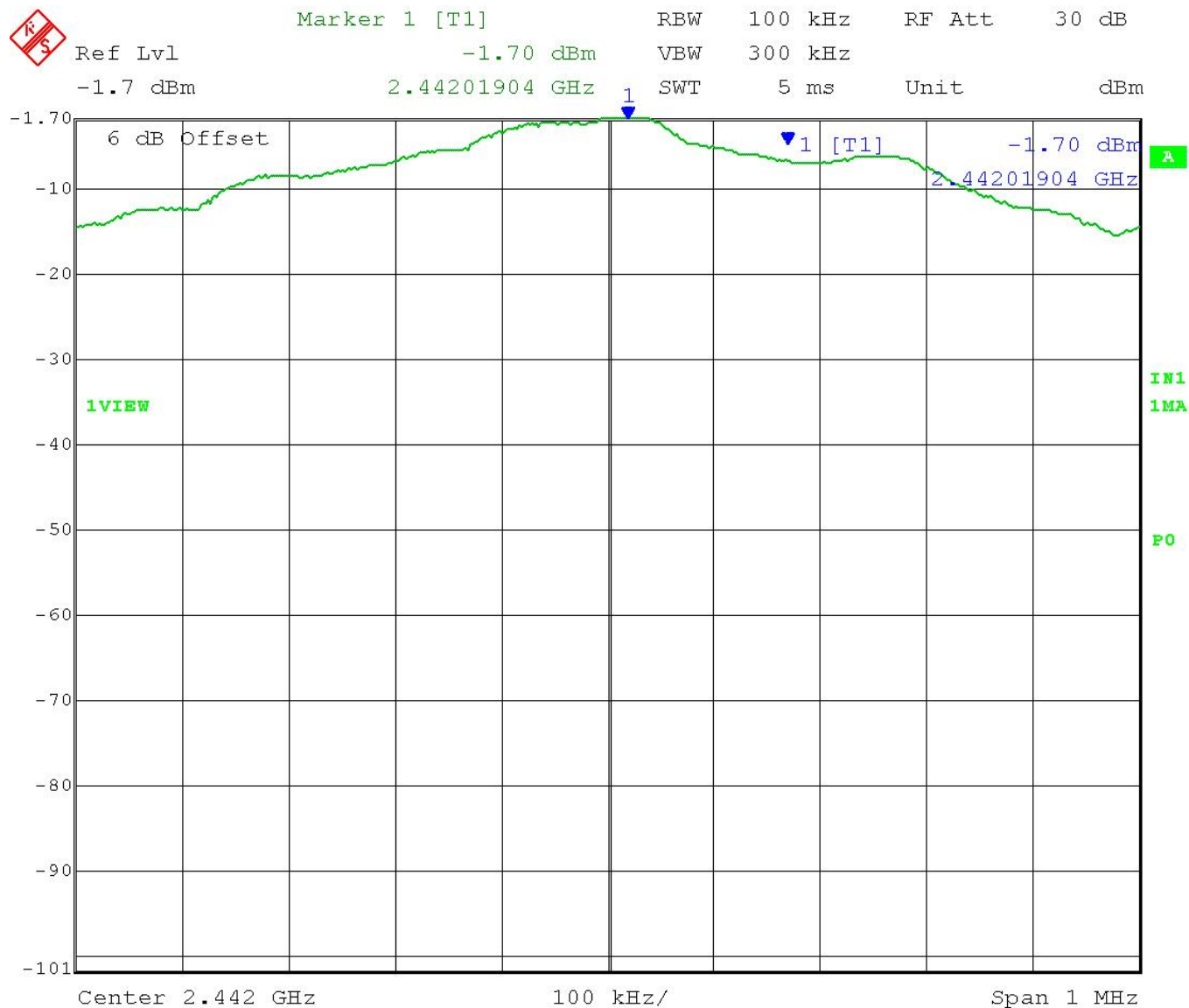
Setup:



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ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Data: 100 KHz Reference Level Plot



Date: 6.OCT.2015 13:23:30


RESULTS: Meets Requirements

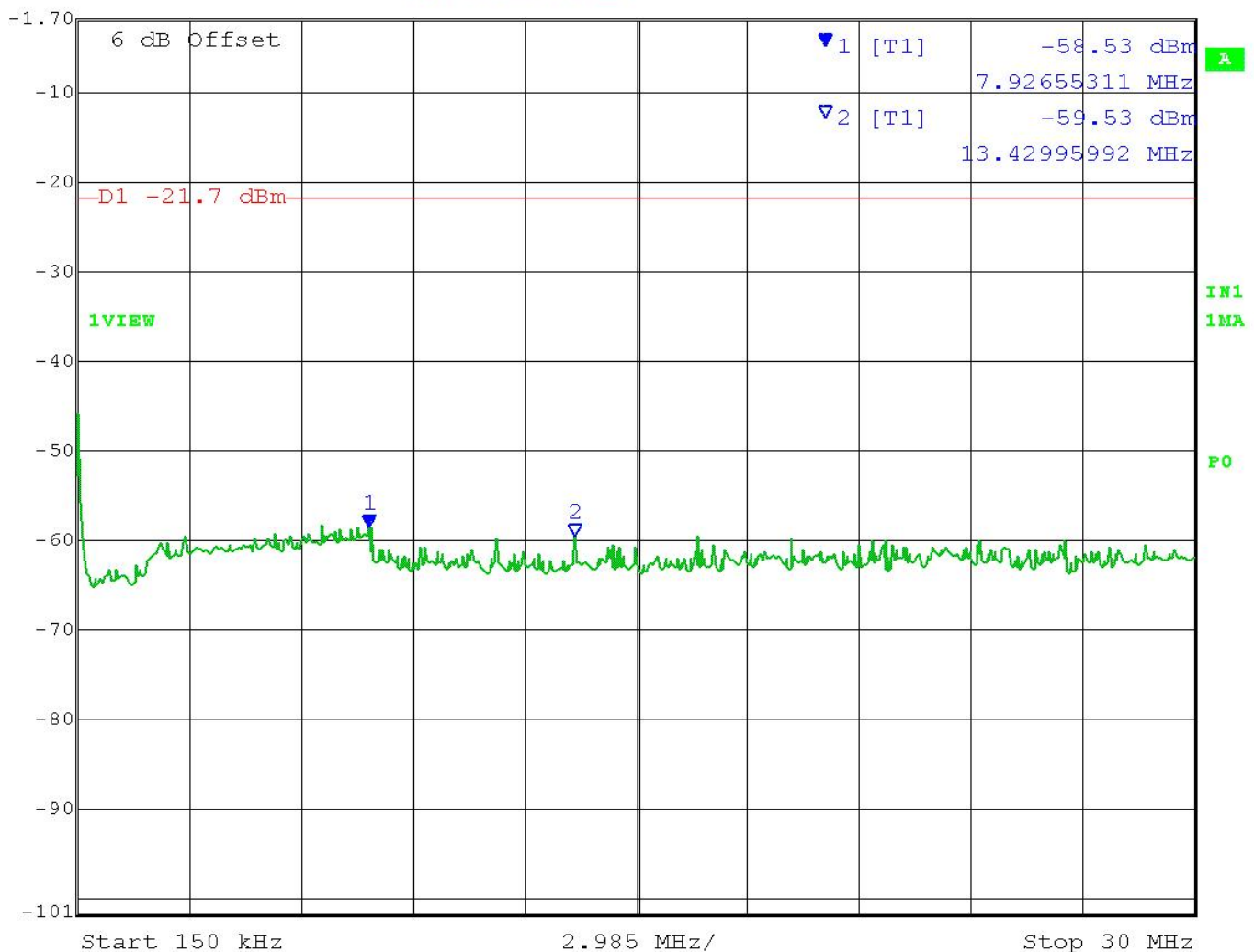
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ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Data: Low End of Band 9 KHz – 30 MHz Plot


 Ref Lvl -1.7 dBm
 Marker 1 [T1] -58.53 dBm
 7.92655311 MHz
 RBW 100 kHz
 VBW 300 kHz
 SWT 560 ms
 RF Att 30 dB
 Unit dBm



Date: 6.OCT.2015 14:09:26

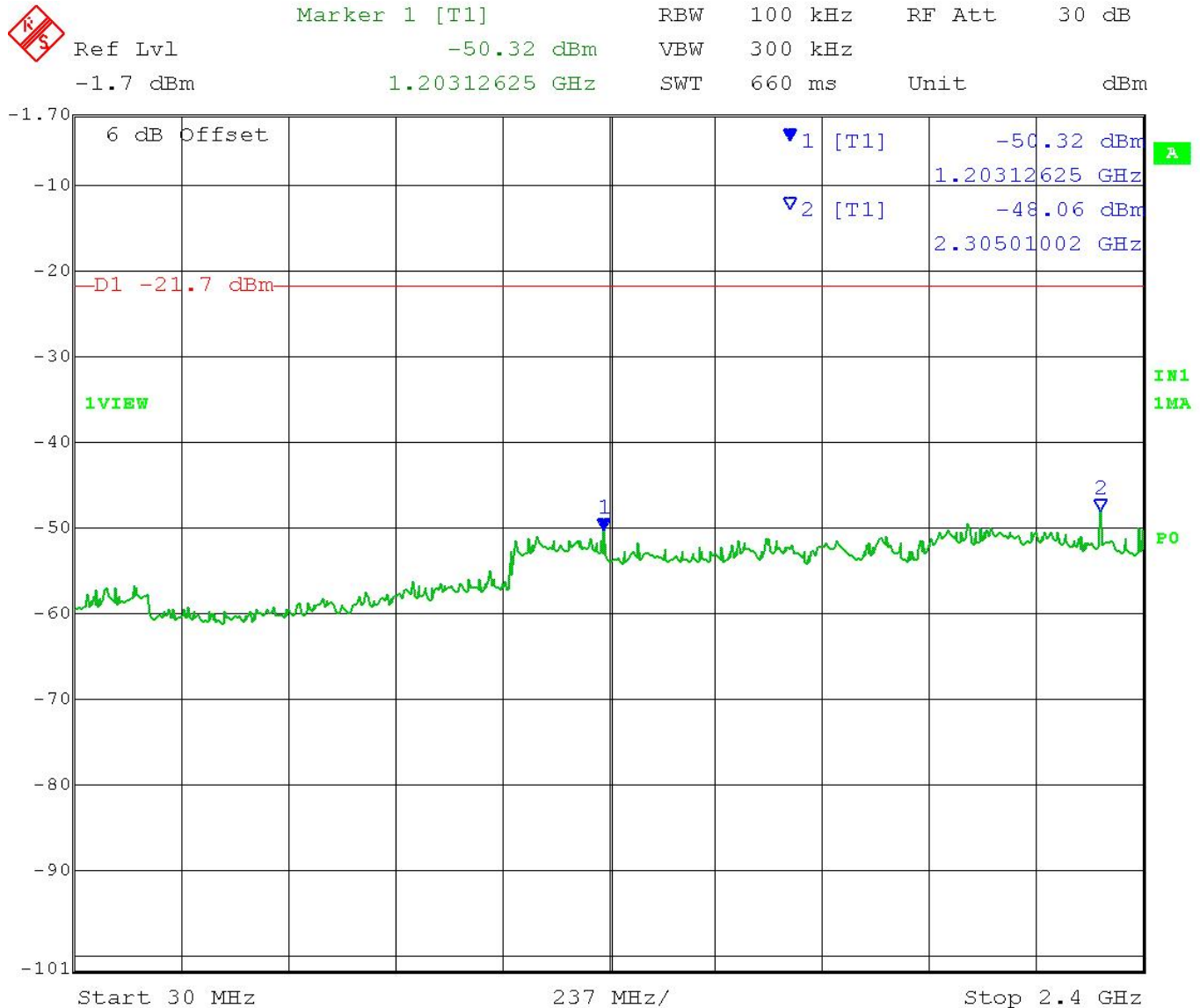
RESULTS: Meets Requirements

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ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Data: Low End of Band 30 MHz – 2.4 GHz Plot



Date: 6.OCT.2015 14:11:02

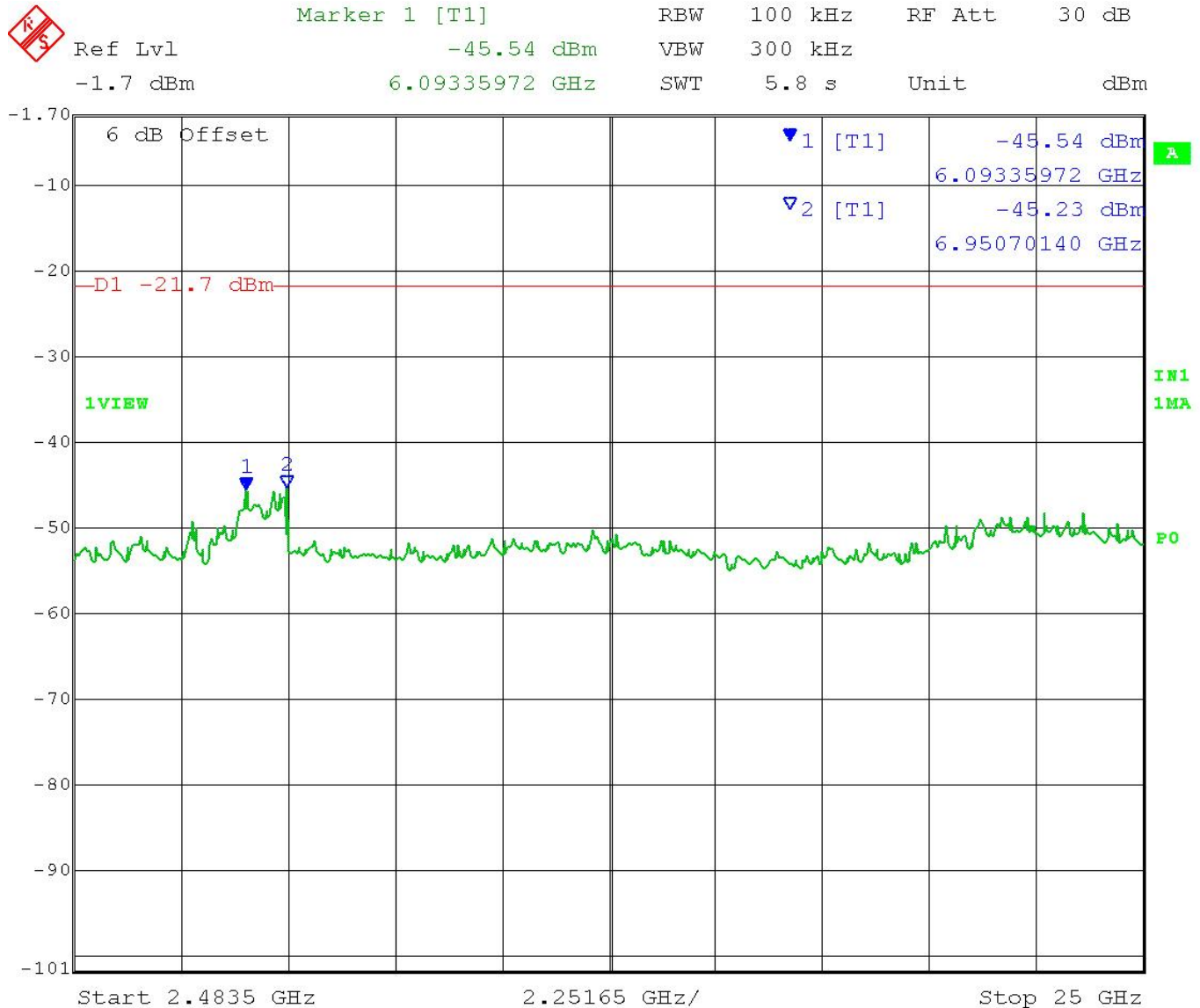
RESULTS: Meets Requirements

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ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Data: Low End of Band 2.4835 GHz – 25 GHz Plot



Date: 6.OCT.2015 14:12:55

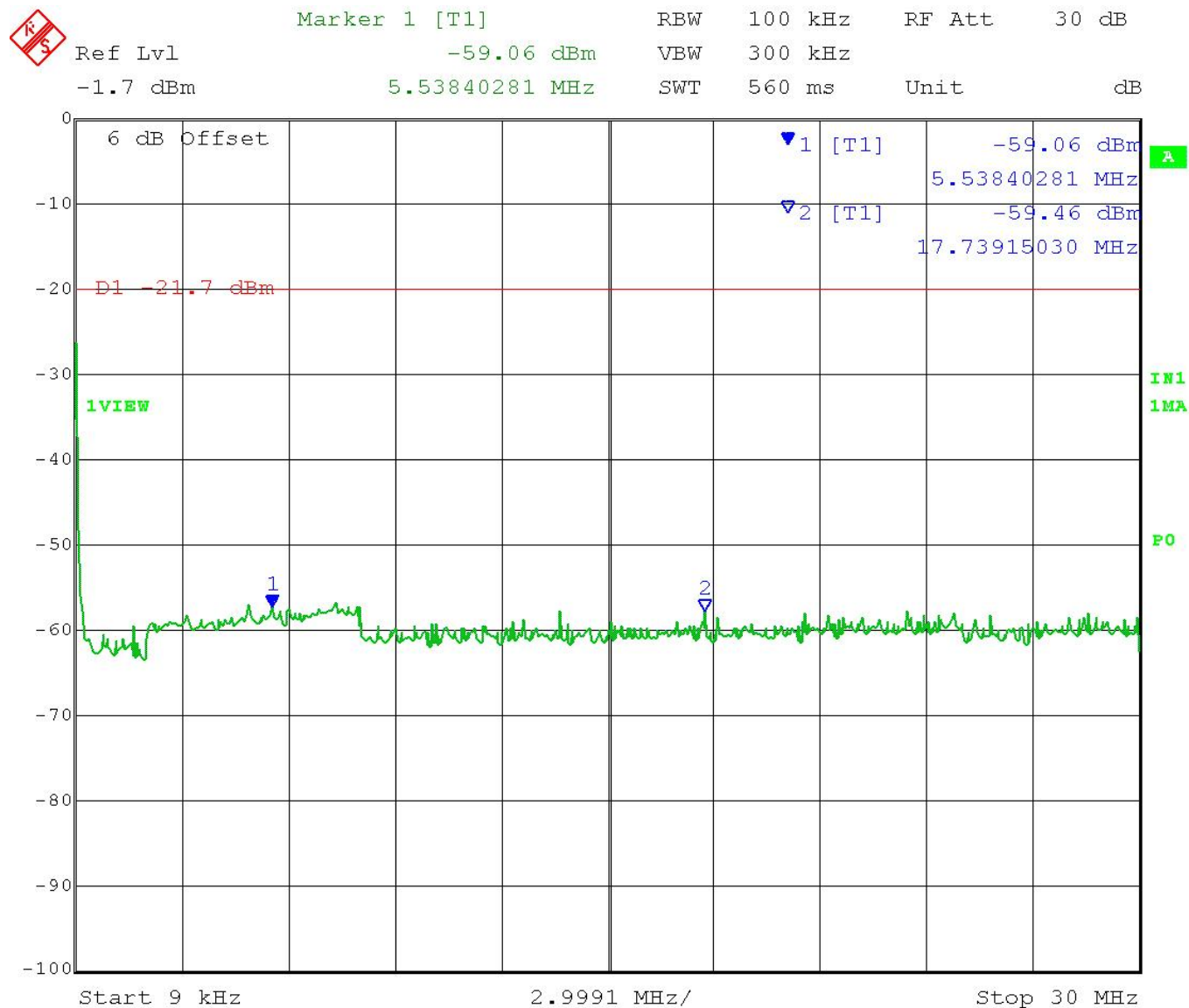
RESULTS: Meets Requirements

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ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Data: Middle of Band 9 KHz – 30 MHz Plot



Date: 6.OCT.2015 13:43:30

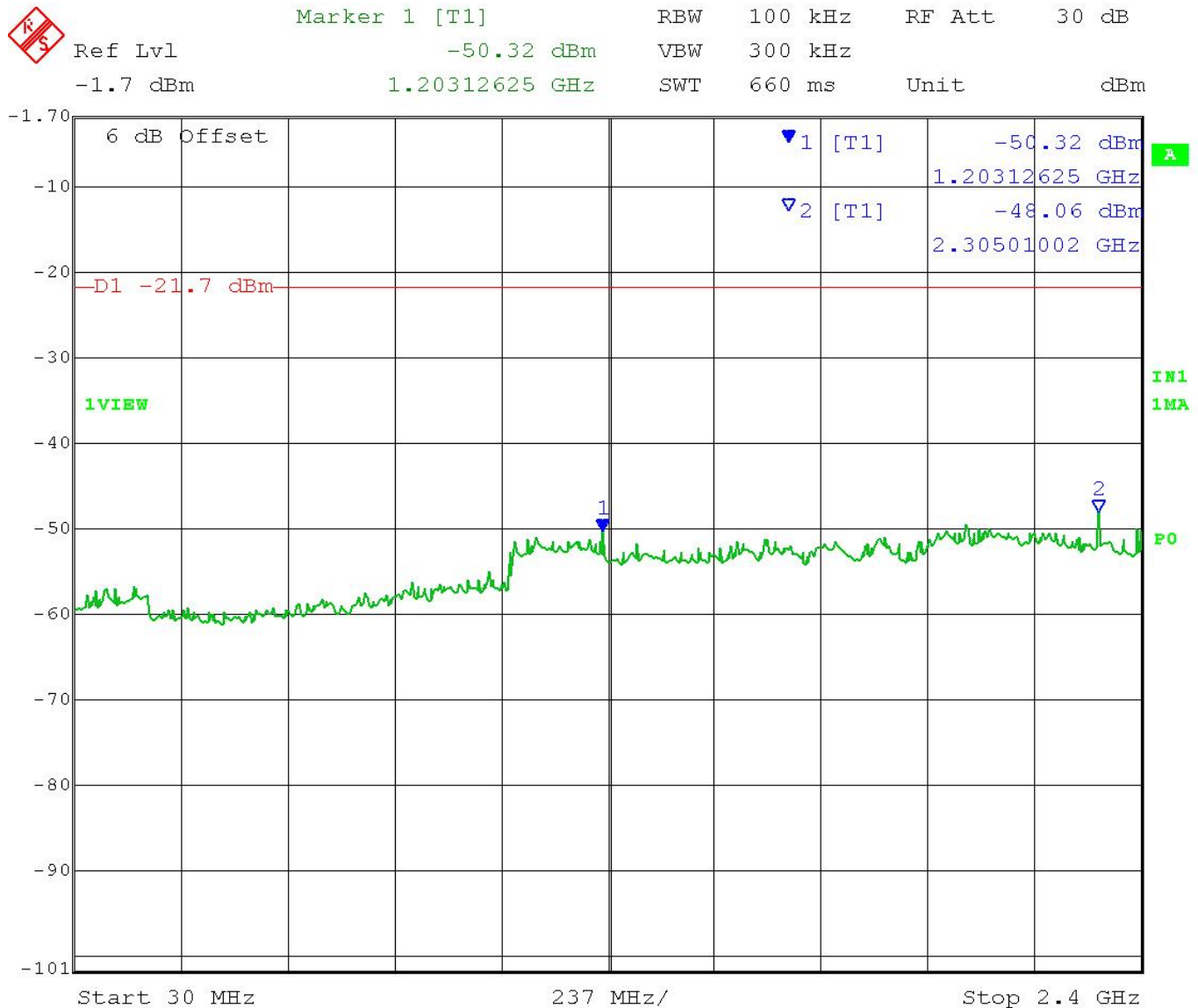
RESULTS: Meets Requirements

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ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Data: Middle of Band 30 MHz – 2.4 GHz Plot



Date: 6.OCT.2015 14:11:02

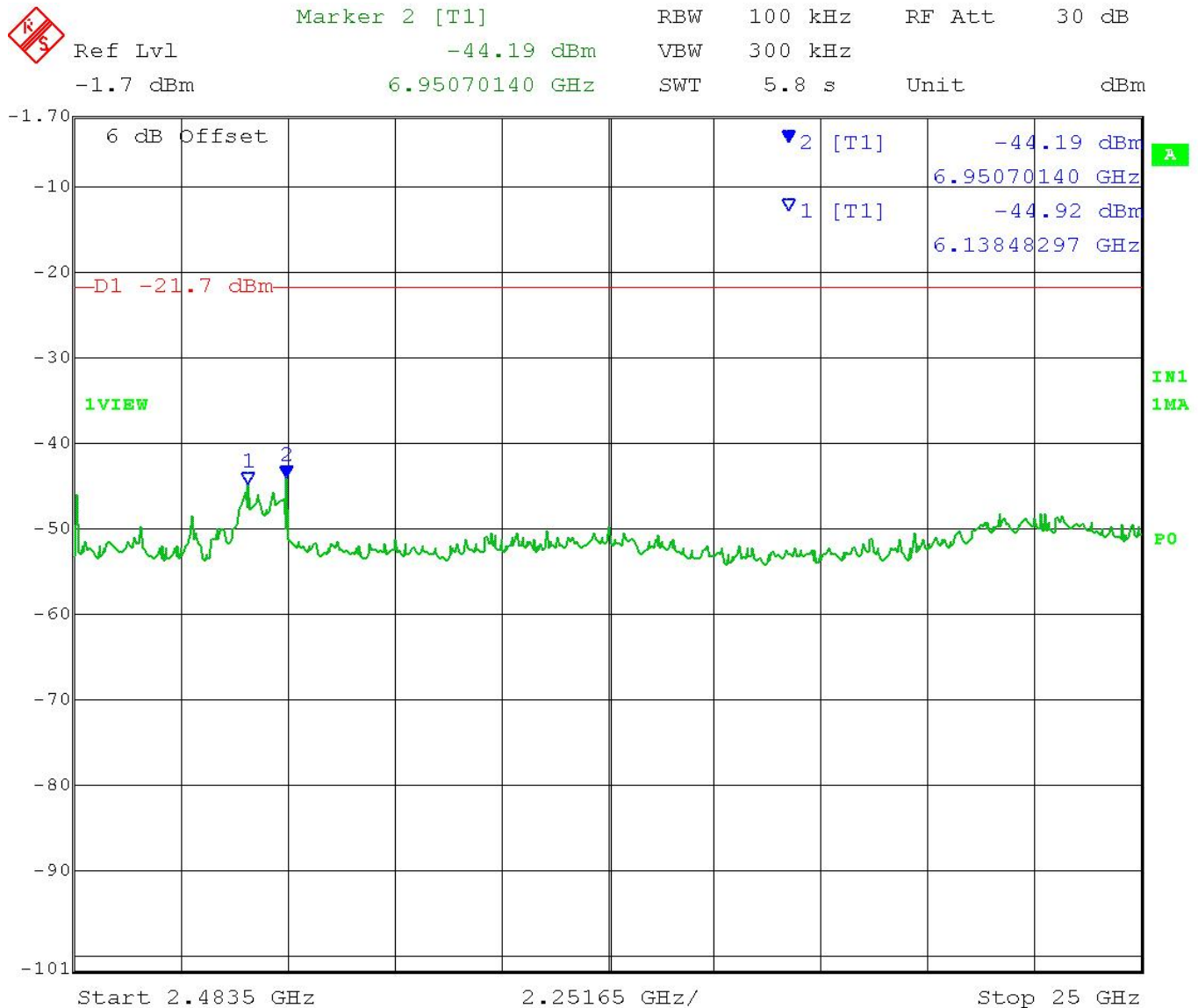
RESULTS: Meets Requirements

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Applicant: SKULPT, INC.
 FCC ID: 2AF43-13
 IC: 20757-13
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ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Data: Middle of Band 2.4835 GHz – 25 GHz Plot



Date: 6.OCT.2015 13:59:59


RESULTS: Meets Requirements

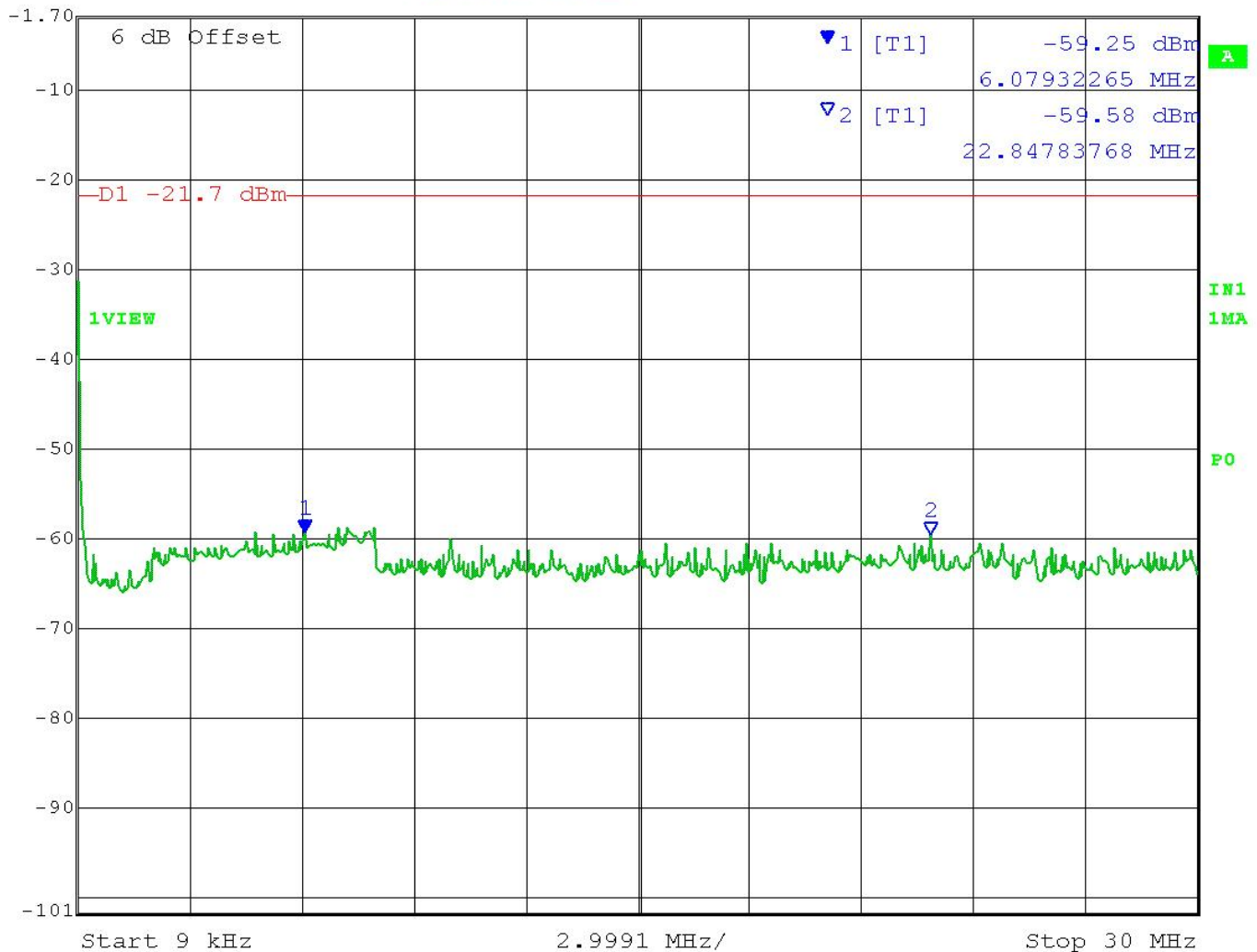
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Applicant: SKULPT, INC.
 FCC ID: 2AF43-13
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ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Data: High End of Band 9 KHz – 30 MHz Plot


 Ref Lvl -1.7 dBm
 Marker 1 [T1] -59.25 dBm
 6.07932265 MHz
 RBW 100 kHz
 VBW 300 kHz
 SWT 560 ms
 RF Att 30 dB
 Unit dBm



Date: 6.OCT.2015 14:16:36

RESULTS: Meets Requirements

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Applicant: SKULPT, INC.
 FCC ID: 2AF43-13
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ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Data: High End of Band 30 MHz – 2.4 GHz Plot



Date: 6.OCT.2015 14:15:25

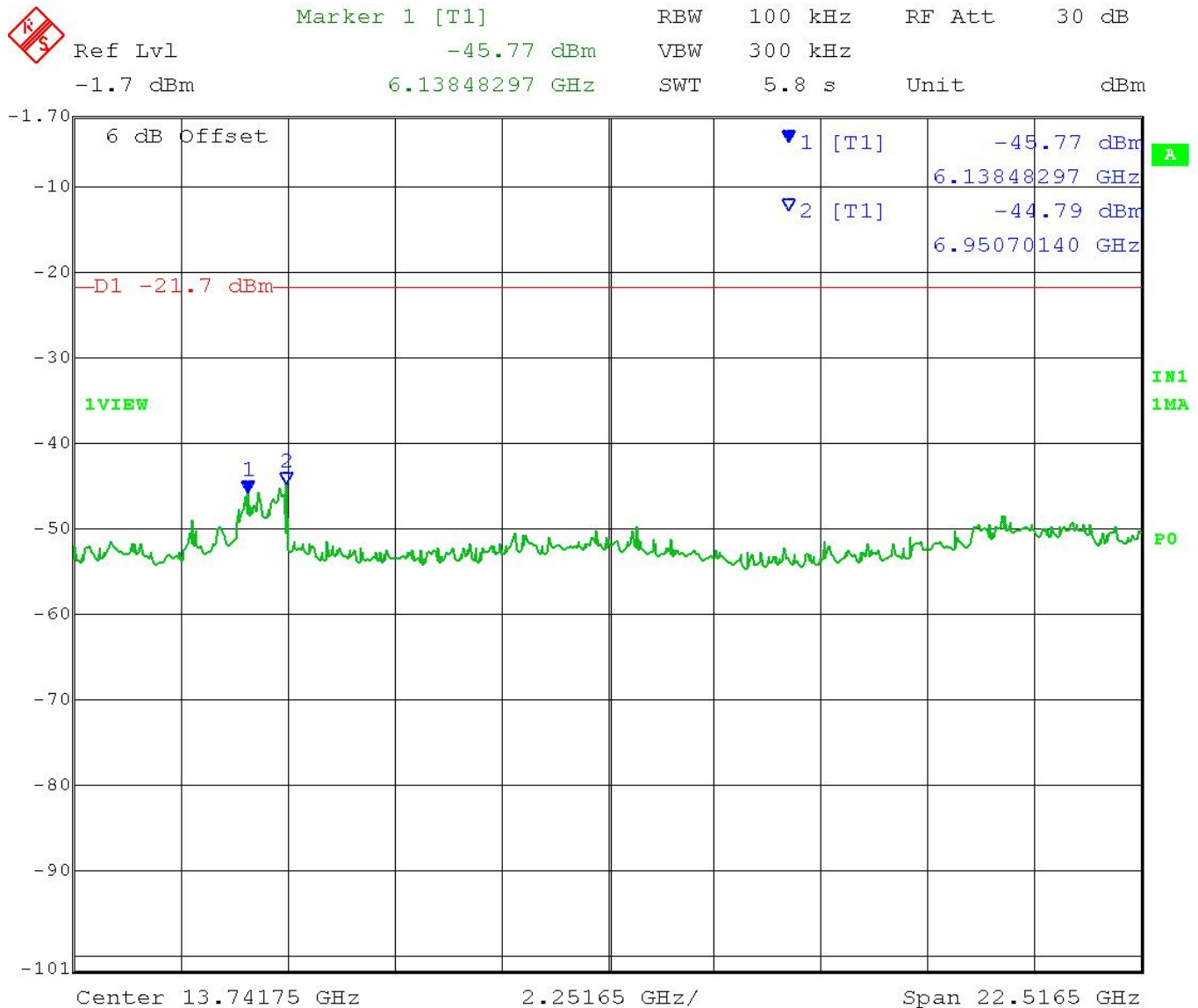
RESULTS: Meets Requirements

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Applicant: SKULPT, INC.
 FCC ID: 2AF43-13
 IC: 20757-13
 Report: 2059AUT15TestReport.docx

ANTENNA CONDUCTED SPURIOUS EMISSIONS

Test Data: High End of Band 2.4835 GHz – 25 GHz Plot



Date: 6.OCT.2015 14:13:58

RESULTS: Meets Requirements

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Applicant: SKULPT, INC.
 FCC ID: 2AF43-13
 IC: 20757-13
 Report: 2059AUT15TestReport.docx

RADIATED SPURIOUS EMISSIONS

Rules Part No.: FCC part 15.247 (d) & 15.209, IC RSS 247 § 5.5 & RSS GEN § 8.9

Requirements: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below

In addition, Emissions found in restricted bands the levels must comply with the general limits found in FCC part 15.209

Frequency	Limits
FCC Part 15.209, IC RSS-GEN 8.9	
9 to 490 kHz	2400/F (kHz) $\mu\text{V/m}$ @ 300 meters
490 to 1705 kHz	24000/F (kHz) $\mu\text{V/m}$ @ 30 meters
1705 kHz to 30 MHz	29.54 dB $\mu\text{V/m}$ @ 30 meters
30 – 88	40.0 dB $\mu\text{V/m}$ @ 3 meters
80 – 216	43.5 dB $\mu\text{V/m}$ @ 3 meters
216 – 960	46.0 dB $\mu\text{V/m}$ @ 3 meters
Above 960	54.0 dB $\mu\text{V/m}$ @ 3 meters

Test Method: ANSI C63.4 § Annex D Validation of radiated emissions standard test sites
 ANSI C63.10 § 6.3 Common requirements radiated emissions
 ANSI C63.10 § 6.4 Emissions below 30 MHz
 ANSI C63.10 § 6.5 Emissions between 30 & 1000 MHz
 ANSI C63.10 § 6.6 Emissions above 1 GHz

Field Strength Calculation:

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 μV) 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:

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

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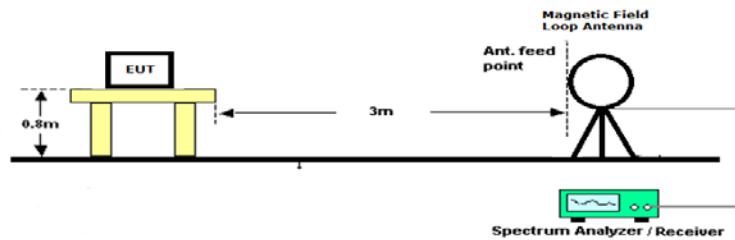
Applicant: SKULPT, INC.
 FCC ID: 2AF43-13
 IC: 20757-13
 Report: 2059AUT15TestReport.docx

RADIATED SPURIOUS EMISSIONS

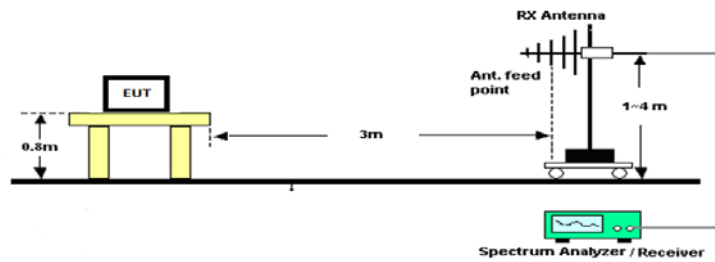
Notes: Only emissions within 20dB of the limit are reported from 9 KHz to 25 GHz

Setup:

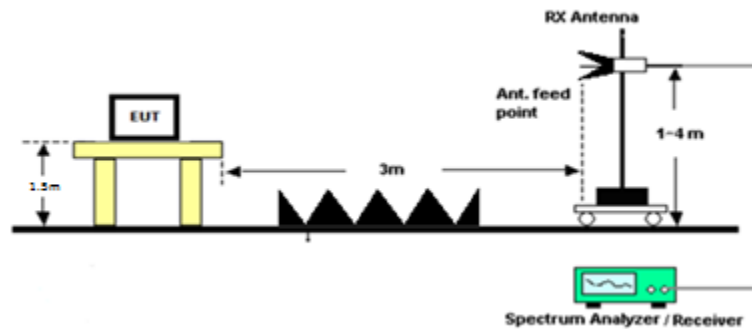
Emissions below 30 MHz



Emissions 30 – 1000 MHz



Emissions above 1 GHz



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RADIATED SPURIOUS EMISSIONS

Test Data: Field Strength table

Tuned Frequency MHz	Emission Frequency MHz	Det	Meter Reading dBuV	Ant. Pol	Coax Loss dB	Correction Factor dB/m	Field Strength dBuV/m	Margin dB
2,402.00	2,351.79	AV	1.1	H	3.15	32.05	36.29	17.71
2,402.00	2,351.79	PK	19.2	H	3.15	32.05	54.42	19.58
2,402.00	2,381.15	AV	1.1	H	3.17	32.1	36.37	17.63
2,402.00	2,381.15	PK	19.6	H	3.17	32.1	54.86	19.14
2,402.00	2,490.00	PK	13.3	H	3.24	32.32	48.88	5.12
2,402.00	2,491.59	PK	13.4	H	3.24	32.32	49	5
2,402.00	4,804.00	AV	2.3	H	4.9	34.13	41.34	12.66
2,402.00	4,804.00	AV	5.3	V	4.9	34.13	44.28	9.72
2,402.00	4,804.00	PK	14.8	H	4.9	34.13	53.79	0.21
2,402.00	4,804.00	PK	15.2	V	4.9	34.13	54.2	19.8
2,402.00	7,206.00	AV	-1.7	V	5.72	36.07	40.12	13.88
2,402.00	7,206.00	AV	1	H	5.72	36.07	42.83	11.17
2,402.00	7,206.00	PK	12	V	5.72	36.07	53.74	0.26
2,402.00	7,206.00	PK	13.1	H	5.72	36.07	54.87	19.13
2,402.00	9,608.00	AV	0.8	V	6.78	36.64	44.26	9.74
2,402.00	9,608.00	AV	3.1	H	6.78	36.64	46.51	7.49
2,402.00	9,608.00	PK	13	V	6.78	36.64	56.38	17.62
2,402.00	9,608.00	PK	15.1	H	6.78	36.64	58.55	15.45
2,442.00	2,314.87	PK	16.6	H	3.12	31.97	51.71	2.29
2,442.00	2,345.64	PK	15.6	H	3.14	32.03	50.77	3.23
2,442.00	2,490.63	PK	13.2	H	3.24	32.32	48.77	5.23
2,442.00	2,491.36	PK	13.9	H	3.24	32.32	49.45	4.55
2,442.00	4,884.00	AV	2	H	4.94	34.14	41.09	12.91
2,442.00	4,884.00	AV	5.9	V	4.94	34.14	44.96	9.04
2,442.00	4,884.00	PK	14.8	H	4.94	34.14	53.84	0.16
2,442.00	4,884.00	PK	17.2	V	4.94	34.14	56.24	17.76
2,442.00	7,326.00	AV	-0.5	V	5.8	36.01	41.27	12.73
2,442.00	7,326.00	AV	1.9	H	5.8	36.01	43.66	10.34
2,442.00	7,326.00	PK	14.3	V	5.8	36.01	56.06	17.94
2,442.00	7,326.00	PK	15.1	H	5.8	36.01	56.89	17.11
2,442.00	9,768.00	AV	-0.5	V	6.83	36.82	43.15	10.85
2,442.00	9,768.00	AV	1.8	H	6.83	36.82	45.49	8.51
2,442.00	9,768.00	PK	14	V	6.83	36.82	57.61	16.39
2,442.00	9,768.00	PK	16.1	H	6.83	36.82	59.7	14.3
2,480.00	2,352.21	PK	15.5	H	3.15	32.05	50.7	3.3
2,480.00	2,355.72	PK	16.9	H	3.15	32.05	52.05	1.95
2,480.00	2,377.05	PK	13.7	H	3.16	32.1	48.98	5.02
2,480.00	2,381.02	PK	14.6	H	3.17	32.1	49.9	4.1
2,480.00	2,480.00	AV	38.8	H	3.24	32.3	74.34	53.04
2,480.00	2,480.00	PK	54.8	H	3.24	32.3	90.29	37.09
2,480.00	2,499.87	AV	0.5	H	3.25	32.34	36.06	17.94
2,480.00	2,499.87	PK	19.9	H	3.25	32.34	55.44	18.56
2,480.00	4,960.00	AV	2	V	4.98	34.16	41.16	12.84
2,480.00	4,960.00	AV	3.7	H	4.98	34.16	42.85	11.15
2,480.00	4,960.00	PK	14.7	V	4.98	34.16	53.85	0.15
2,480.00	4,960.00	PK	15.8	H	4.98	34.16	54.96	19.04
2,480.00	7,440.00	AV	-0.9	V	5.86	35.96	40.93	13.07
2,480.00	7,440.00	AV	3.6	H	5.86	35.96	45.44	8.56
2,480.00	7,440.00	PK	14.4	V	5.86	35.96	56.25	17.75
2,480.00	7,440.00	PK	15.8	H	5.86	35.96	57.65	16.35
2,480.00	9,920.00	AV	-1.1	V	6.88	37	42.75	11.25
2,480.00	9,920.00	AV	2.1	H	6.88	37	45.99	8.01

Results Meet Requirements

Applicant: SKULPT, INC.
FCC ID: 2AF43-13
IC: 20757-13
Report: 2059AUT15TestReport.docx

AC POWER LINE CONDUCTED EMISSIONS

Rules Part No.: FCC 15.207(a)

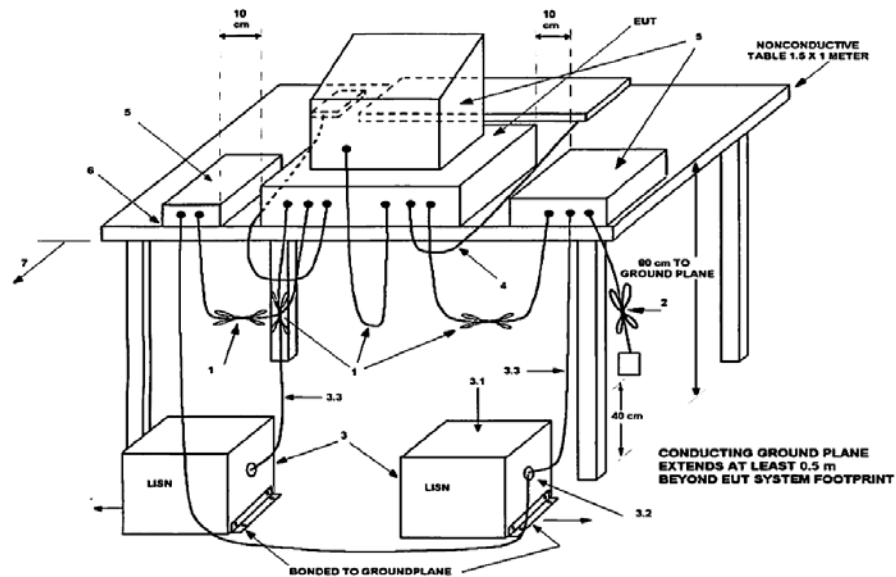
Requirements:

Frequency (MHz)	Quasi Peak Limits (dB μ V)	Average Limits (dB μ V)
0.15 – 0.5	66 – 56 *	56 – 46 *
0.5 – 5.0	56	46
5.0 – 30	60	50

* Decrease with logarithm of frequency

Test Method: ANSI C63.10 § 6.2 Test Method for AC power-line conducted emissions

Setup:

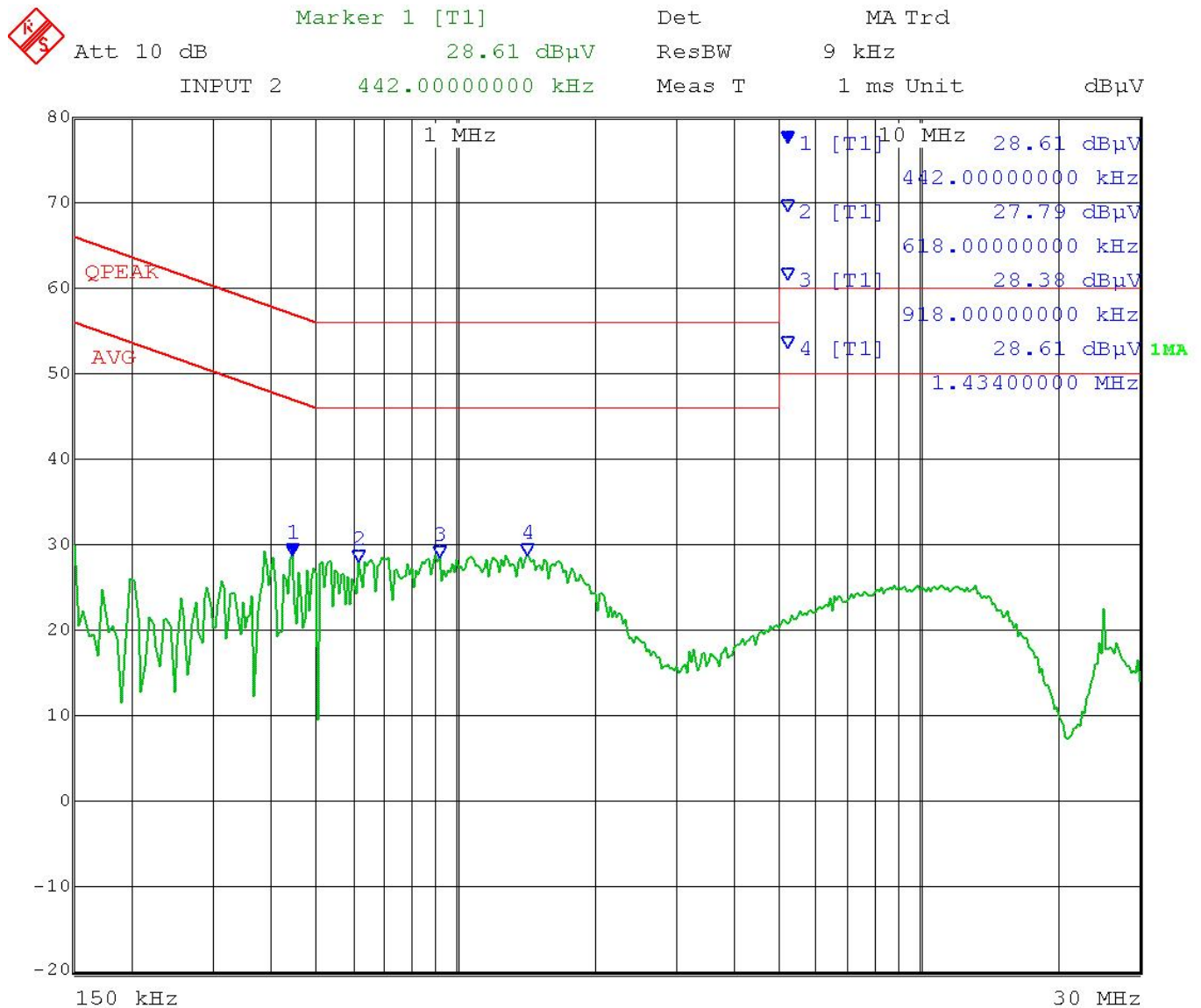


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AC POWER LINE CONDUCTED EMISSIONS

Test Data: Powerline 1 Peak Plot

The following plots represent the emissions read for power line Conducted. Both lines were observed.



Date: 6.OCT.2015 11:20:43

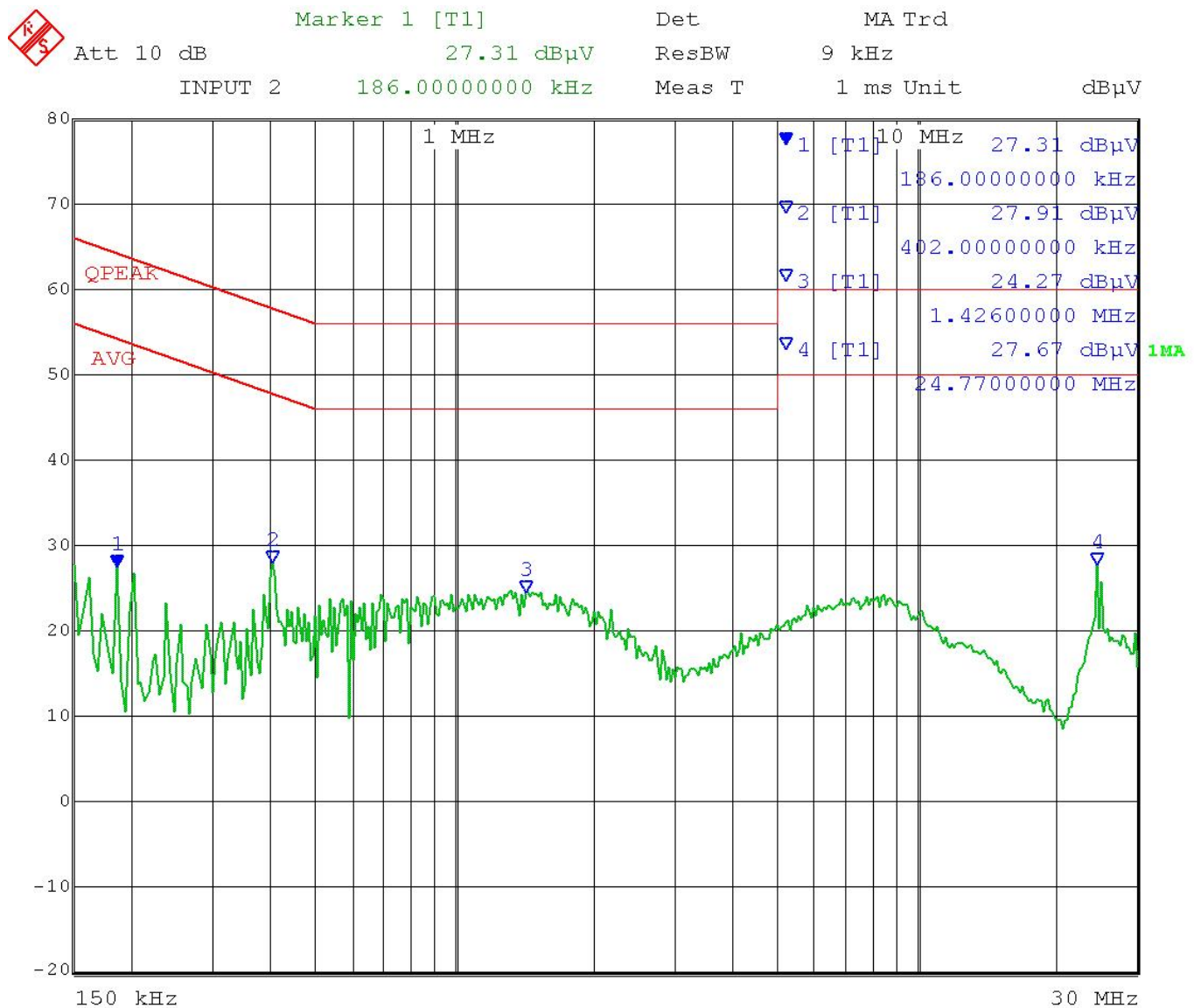
RESULTS: Meets Requirements

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Applicant: SKULPT, INC.
 FCC ID: 2AF43-13
 IC: 20757-13
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POWER LINE CONDUCTED INTERFERENCE

Test Data: Power Line 2 Peak Plot



Date: 6.OCT.2015 11:22:59

RESULTS: Meets Requirements

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Applicant: SKULPT, INC.
 FCC ID: 2AF43-13
 IC: 20757-13
 Report: 2059AUT15TestReport.docx

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	07/09/15	07/09/17
LISN	Electro-Metrics	ANS-25/2	2604	07/15/15	07/15/17
3-Meter Semi- Anechoic Chamber	Panashield	N/A	N/A	12/31/13	12/31/15
Antenna: Double-Ridged Horn/ETS Horn 1	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
Software: Field Strength Program	Timco	N/A	Version 4.0	NA	NA
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

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