

Dust Networks

ADDENDUM TO TEST REPORT 96194-4

Device Name: 2.4GHz Wireless Mote
Model: M2510

Tested To The Following Standard:

ETSI EN 300 328 V1.9.1

Report No.: 96194-4A

Date of issue: July 28, 2015



This test report bears the accreditation symbol indicating that the testing performed herein meets the test and reporting requirements of ISO/IEC 17025 under the applicable scope of EMC testing for CKC Laboratories, Inc.

We strive to create long-term, trust based relationships by providing sound, adaptive, customer first testing services. We embrace each of our customers' unique EMC challenges, not as an interruption to set processes, but rather as the reason we are in business.

TABLE OF CONTENTS

Administrative Information	3
Test Report Information	3
Revision History	3
Report Authorization	3
Test Facility Information	4
Software Versions	4
Site Registration and Accreditation	4
Summary of Results	5
Modifications During Testing	6
Conditions During Testing	6
Equipment Under Test	6
ETSI EN 300 328 V1.9.1	7
4.3.2 Technical Requirements	7
4.3.2.2 RF Power Output	7
4.3.2.3 Power Spectral Density	11
4.3.2.3 Duty Cycle / Tx Sequence / Tx-gap	14
4.3.2.5 Medium Utilisation (MU) Factor	16
4.3.2.5 Adaptivity	18
4.3.2.7 Occupied Channel Bandwidth	19
4.3.2.8 Transmitter Unwanted Emissions in the OOB Domain	23
4.3.2.9 Transmitter Unwanted Emissions in the Spurious Domain	29
4.3.2.9 Transmitter Unwanted Emissions in the Spurious Domain	32
4.3.2.10 Receiver Spurious Emissions	36
4.3.2.10 Receiver Spurious Emissions	38
4.3.2.11 Receiver Blocking	42
4.3.2.12 Geo-location Capability	42
Supplemental Information	43
Measurement Uncertainty	43

ADMINISTRATIVE INFORMATION

Test Report Information

REPORT PREPARED FOR:

Dust Networks
30695 Huntwood Avenue
Hayward, CA 94544

Representative: Gordon Charles
Customer Reference Number: DX13754F

DATE OF EQUIPMENT RECEIPT:**DATES OF TESTING:****REPORT PREPARED BY:**

Terri Rayle
CKC Laboratories, Inc.
5046 Sierra Pines Drive
Mariposa, CA 95338

Project Number: 96194

June 29, 2015

June 29 – July 20, 2015


Revision History

Original: Testing of 2.4GHz Wireless Mote, Model: M2510 tested to ETSI EN 300 328 V1.8.1.

Addendum A: Testing performed by measuring the power with a power meter in order to meet EN 300 328 v1.9.1 requirements.

Report Authorization

The test data contained in this report documents the observed testing parameters pertaining to and are relevant for only the sample equipment tested in the agreed upon operational mode(s) and configuration(s) as identified herein. Compliance assessment remains the client's responsibility. This report may not be used to claim product endorsement by A2LA or any government agencies. This test report has been authorized for release under quality control from CKC Laboratories, Inc.

A handwritten signature in black ink that reads "Steve Behm". The signature is written in a cursive style and is positioned above a horizontal line.

Steve Behm
Director of Quality Assurance & Engineering Services
CKC Laboratories, Inc.

Test Facility Information



Our laboratories are configured to effectively test a wide variety of product types. CKC utilizes first class test equipment, anechoic chambers, data acquisition and information services to create accurate, repeatable and affordable test results.

TEST LOCATION(S):
CKC Laboratories, Inc.
5046 Sierra Pines Drive
Mariposa, CA 95338

Software Versions

CKC Laboratories Proprietary Software	Version
EMITest Emissions	5.00.14
Immunity	5.00.07

Site Registration & Accreditation {

Location	CB #	Taiwan	Canada	FCC	Japan
Mariposa A	US0103	SL2-IN-E-1147R	3082A-2	90477	A-0136

SUMMARY OF RESULTS

Standard / Specification: ETSI EN 300 328 V1.9.1

Test Procedure/Method	Description	Modification*	Results
Technical Requirements	Sub clause 4.3.2		
Sub clause 4.3.2.2	RF Power Output	NA	Pass
Sub clause 4.3.2.3	Power Spectral Density	NA	Pass
Sub clause 4.3.2.4	Duty Cycle, Tx Sequence, Tx-gap	NA	Pass
Sub clause 4.3.2.5	Medium Utilisation (MU) Factor	NA	Pass
Sub clause 4.3.2.6	Adaptivity	NA	NA
Sub clause 4.3.2.7	Occupied Channel Bandwidth	NA	Pass
Sub clause 4.3.2.8	Transmitter Unwanted Emissions in the OOB Domain	NA	Pass
Sub clause 4.3.2.9	Transmitter Unwanted Emissions in the Spurious Domain / Conducted	Mod #1	Pass
Sub clause 4.3.2.9	Transmitter Unwanted Emissions in the Spurious Domain / Radiated	NA	Pass
Sub clause 4.3.2.10	Receiver Conducted Spurious Emissions	NA	Pass
Sub clause 4.3.2.10	Receiver Radiated Spurious Emissions	NA	Pass
Sub clause 4.3.2.11	Receiver Blocking	NA	NA
Sub clause 4.3.2.12	Geo-location Capability	NA	NA

NA = Not Applicable

*Modifications

This list is a summary of the conditions noted for or modifications made to the equipment during testing.

Summary of Conditions

MOD #1: Modification on firmware (for section 4.3.2.9): Reducing the biasing of the LO during transmitting.

Conditions During Test

This list is a summary of the conditions noted for or modifications made to the equipment during testing.

Summary of Conditions

None

EQUIPMENT UNDER TEST

The following model has been tested by CKC Laboratories: **2.4GHz Wireless Mote, Model: M2510.**

The manufacturer states that the following additional models are identical electrically to the one which was tested, or any difference between them do not affect their EMC characteristics, and therefore they meet the level of testing equivalent to the tested models: **Model: M2140.**

Configuration 1

Equipment Tested:

Device	Manufacturer	Model #	S/N
2.4GHz Wireless Mote	Dust Networks	M2510	NA

Support Equipment:

Device	Manufacturer	Model #	S/N
DC Power Supply	Topward	6306D	988614
Power Supply	Dell	NADP-90KB A	NA
Laptop	Dell	Latitude E4200	NA

ETSI EN 300 328 V1.9.1

4.3.2 TECHNICAL REQUIREMENTS

4.3.2.2 RF Power Output

Ambient Temperature: 25°C

Relative Humidity: 34%

Test Engineer: Don Nguyen/Eddie Wong

Test Date: 7/20/2015

Test Setup / Conditions

The equipment under test (EUT) is placed on the table top. The EUT is powered on and is continuously transmitting at its maximum rated output power. Testing performed at low, mid, and high channels (2405MHz, 2440MHz, and 2475MHz.) The EUT is powered from external power supply. Input voltage: 3VDC.

Frequency range: 2400-2483.5MHz

Site A

Test Equipment					
Asset #	Description	Manufacturer	Model	Cal Date	Cal Due
03494	RF Powerhead	7002-006	ETS Lindgren	11/20/2014	11/20/2016
03431	Attenuator	89-20-21	Aeroflex/Weinschel	9/5/2013	9/5/2015
01878	Temperature Chamber	S 1.2 Mini-Max	Thermotron Corp.	5/15/2015	5/15/2017
P05947	Thermometer	51	Fluke	3/18/2014	3/18/2016

Test Data

Temp=25°C, input voltage=3VDC

Channels	Power E.I.R.P(dBm)	Limit (dBm)
Low CH (2405MHz)	10.27	20
Mid CH (2440MHz)	9.78	20
Hi CH (2475MHz)	8.97	20

Temp=-40°C, input voltage=3VDC

Channels	Power E.I.R.P(dBm)	Limit (dBm)
Low CH (2405MHz)	9.10	20
Mid CH (2440MHz)	9.14	20
Hi CH (2475MHz)	8.27	20

Temp=85°C, input voltage=3VDC

Channels	Power E.I.R.P(dBm)	Limit (dBm)
Low CH (2405MHz)	5.31	20
Mid CH (2440MHz)	5.45	20
Hi CH (2475MHz)	3.53	20

Measure uncertainty: 0.67db/ 1 °C

Note: Measure data includes antenna gain=4dbi

Test Setup Photos





4.3.2.3 Power Spectral Density

Ambient Temperature: 25°C

Relative Humidity: 35%

Test Engineer: Don Nguyen

Test Date: 6/29/2015

Test Setup / Conditions

The equipment under test (EUT) is placed on the table top. The EUT is powered on and is continuously transmitting at its maximum rated output power. Testing performed at low, mid, and high channels (2405MHz, 2440MHz, and 2475MHz.) The EUT is powered from external power supply. Input voltage: 3VDC.

Frequency range: 2400-2483.5MHz

Site A.

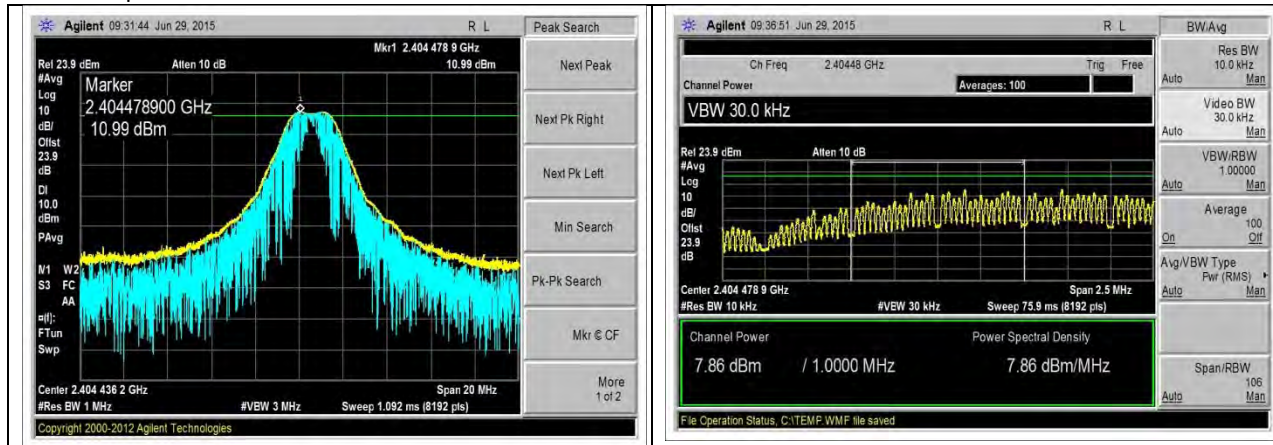
Test Equipment

Asset #	Description	Manufacturer	Model	Cal Date	Cal Due
03431	Attenuator	89-20-21	Aeroflex/Weinschel	9/5/2013	9/5/2015
02672	Spectrum Analyzer	E4446A	Agilent	8/14/2013	8/14/2015
P06544	Cable	32026-29094K-29094K-36TC	Astro Steel	11/20/2013	11/20/2015

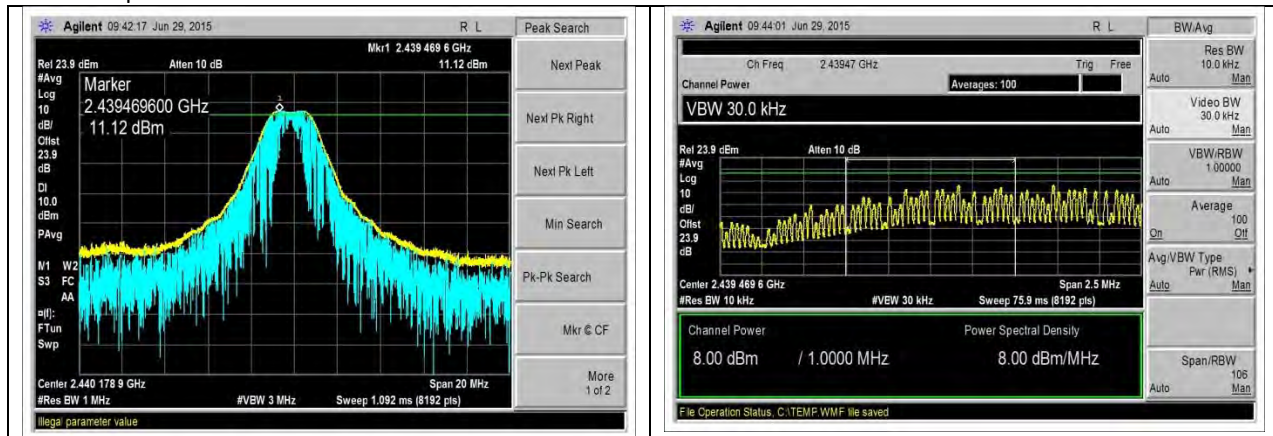
Test Data

TESTS	Measured Power Density dBm/MHz (EIRP)		
	2405MHz	2440MHz	2475MHz
	7.86	8.00	6.87
Limit	10dBm/MHz		
Measurement Uncertainty	0.67dB		

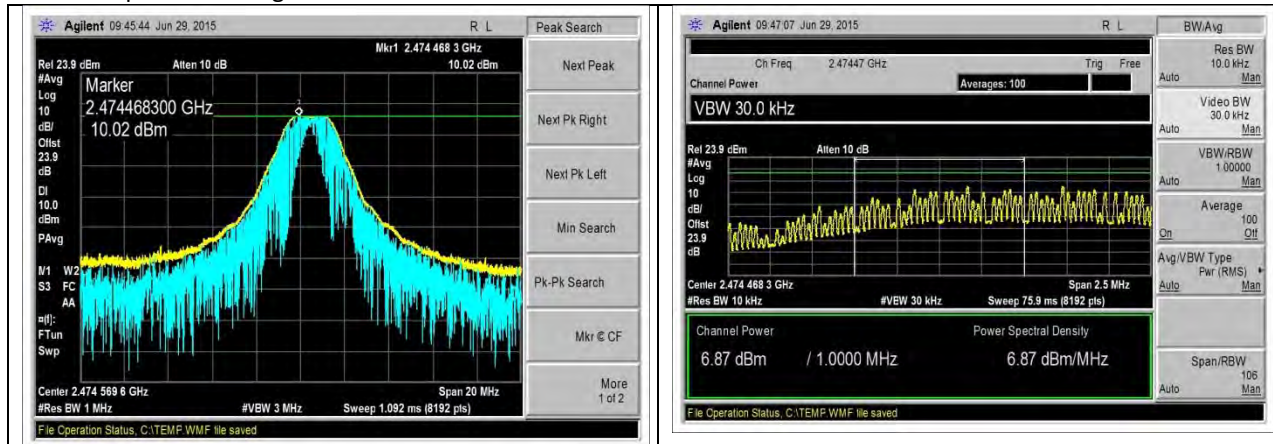
Screen captures PSD Low Channel



Screen captures PSD Mid Channel



Screen captures PSD High Channel



Test Setup Photo



4.3.2.4 Duty Cycle / Tx Sequence / Tx-gap

Ambient Temperature: 25°C

Relative Humidity: 32 %

Test Engineer: Don Nguyen

Test Date: 6/29/2015

Test Setup / Conditions

The equipment under test (EUT) is placed on the table top. The EUT is powered on and is continuously transmitting at its maximum rated output power. Testing performed at low CH (2405MHz). The EUT is powered from external power supply. Input voltage: 3VDC.

Frequency range: 2400-2483.5MHz

Site A.

Test Equipment

Asset #	Description	Manufacturer	Model	Cal Date	Cal Due
03494	RF Powerhead	ETS Lindgren	7002-006	11/20/2014	11/20/2016
03431	Attenuator	Aeroflex/Weinschel	89-20-21	9/5/2013	9/5/2015

Test Data

TESTS	Duty cycle (%)	Maximum Tx-Sequence (ms)	Minimum Tx-gap (ms)
Measured data	19.505	4.365	5.309
Limit	<=19.9%	<=10ms	>=3.5ms
Manufacturer declaration duty cycle	19.9%		
Measurement Uncertainty	1.1%		

Test Setup Photo



4.3.2.5 Medium Utilization (MU) Factor

Ambient Temperature: 25°C

Relative Humidity: 34 %

Engineer Name: Eddie Wong

Test Date: 7/20/2015

Test Setup / Conditions

The equipment under test (EUT) is placed on the table top. The EUT is powered on and is continuously transmitting at its maximum rated output power. Testing performed at low CH (2405MHz). The EUT is powered from external power supply. Input voltage: 3VDC.

Frequency range: 2400-2483.5MHz

Site A.

Test Equipment

Asset #	Description	Model	Manufacturer	Cal Date	Cal Due
03494	RF Powerhead	7002-006	ETS Lindgren	11/20/2014	11/20/2016
03431	Attenuator	89-20-21	Aeroflex/Weinschel	9/5/2013	9/5/2015

Test Data

Results:

Max EIRP. (dBm)	Medium Utilisation (%)
10.32	2.113
Measurement Uncertainty	1.1%

Test Setup Photo



4.3.2.6 Adaptivity

Not Applicable: The manufacturer declares that the EUT does not have an adaptive mode.

4.3.2.7 Occupied Channel Bandwidth

Ambient Temperature: 25°C

Relative Humidity: 34%

Test Engineer: Don Nguyen

Test Date: 6/29/2015

Test Setup / Conditions

The equipment under test (EUT) is placed on the table top. The EUT is powered on and is continuously transmitting at its maximum rated output power. Testing performed at low, mid, and high channels (2405MHz, 2440MHz, and 2475MHz.) The EUT is powered from external power supply. Input voltage: 3VDC.

Frequency range: 2400-2483.5MHz

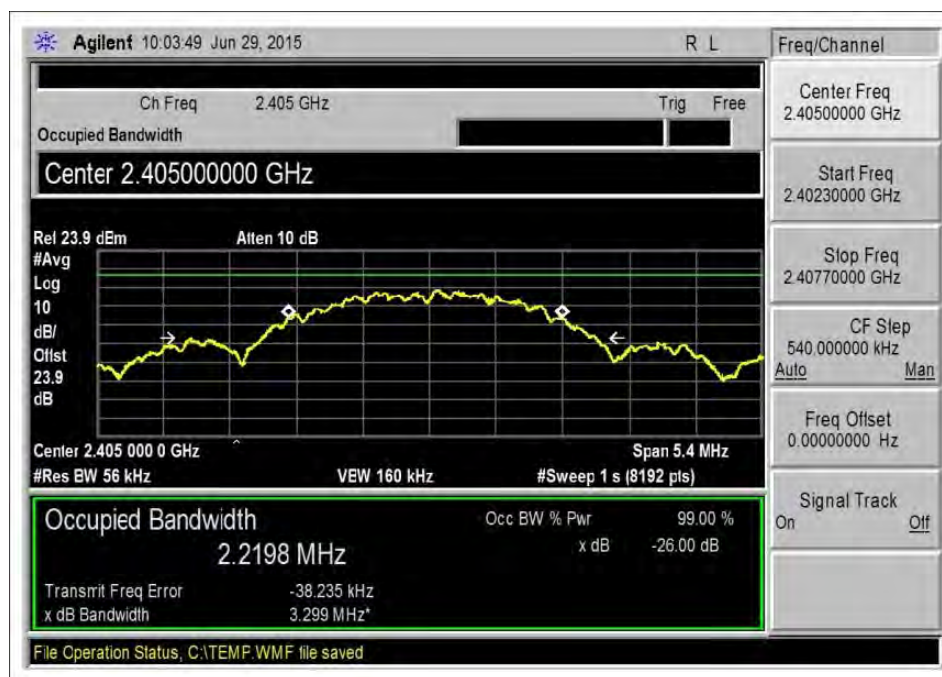
Site A

Test Equipment

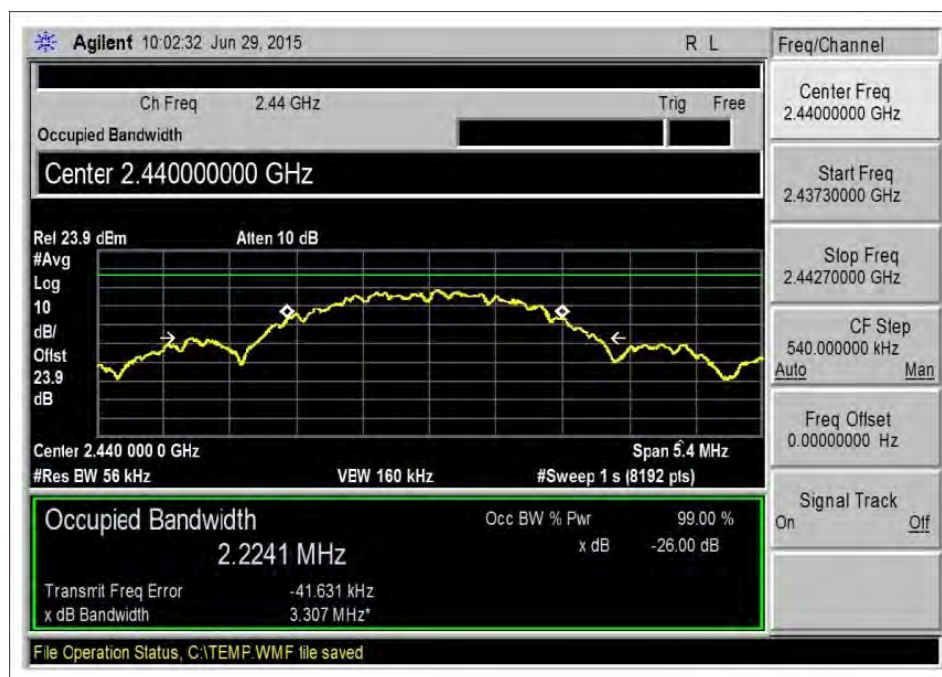
Asset #	Description	Manufacturer	Model	Cal Date	Cal Due
03431	Attenuator	Aeroflex/Weinschel	89-20-21	9/5/2013	9/5/2015
02672	Spectrum Analyzer	Agilent	E4446A	8/14/2013	8/14/2015
P06544	Cable	Astro Steel	32026-29094K-29094K-36TC	11/20/2013	11/20/2015

Test Data

	Occupied Channel Bandwidth (MHz)	Limit (MHz)
Low CH (2405MHz)	2.2198	<20
Mid CH (2440MHz)	2.2241	<20
High CH (2475MHz)	2.2329	<20
Measurement Uncertainty		1%



Low Channel



Middle Channel



High Channel

Test Setup Photo



4.3.2.8 Transmitter Unwanted Emissions in the OOB Domain

Ambient Temperature: 17°C

Relative Humidity: 40%

Test Engineer: Eddie Wong

Test Date: 7/20/2015

Test Setup / Conditions

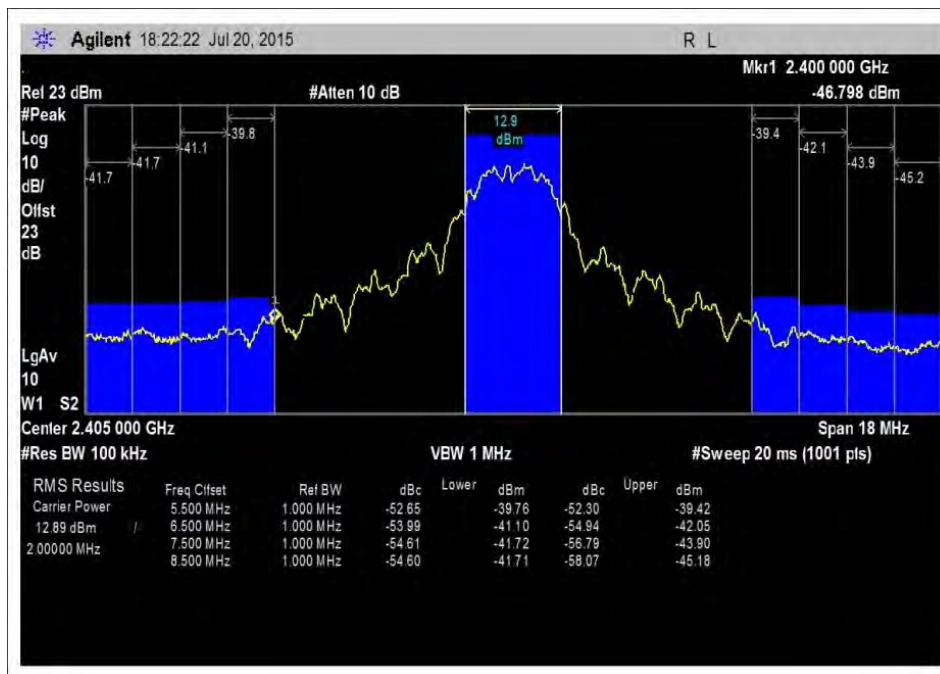
The equipment under test (EUT) is placed on the table top. The EUT is powered on and is continuously transmitting at its maximum rated output power. Testing performed at low, mid, and high channels (2405MHz, 2440MHz, and 2475MHz.) The EUT is powered from external power supply. Input voltage: 3VDC.

Frequency range: 2400-2483.5MHz

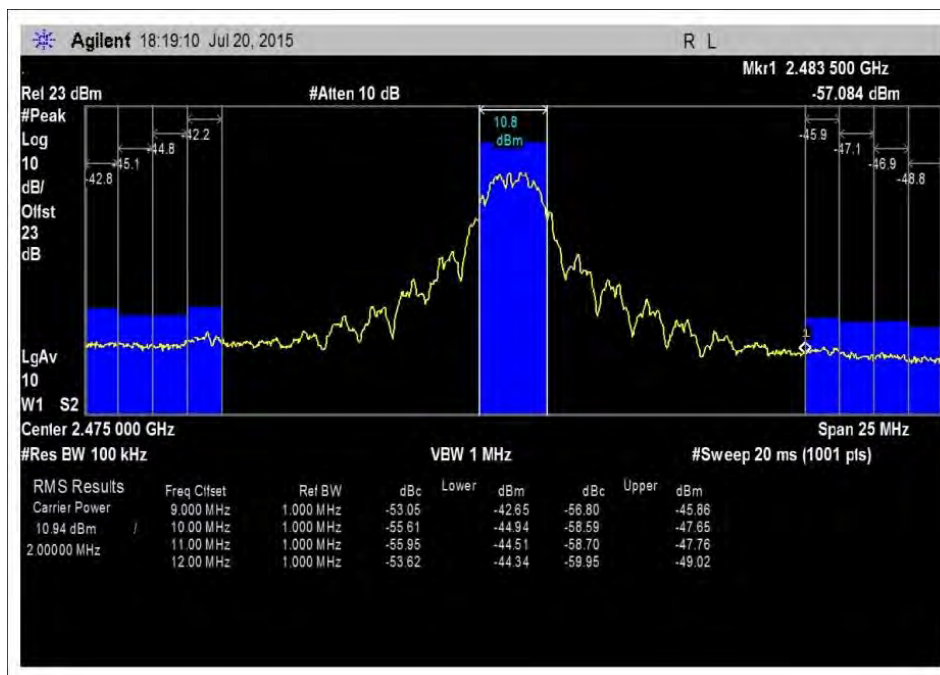
Site A.

Test Equipment					
Asset #	Description	Manufacturer	Model	Cal Date	Cal Due
03431	Attenuator	Aeroflex/Weinschel	89-20-21	9/5/2013	9/5/2015
02672	Spectrum Analyzer	Agilent	E4446A	8/14/2013	8/14/2015
P06544	Cable	Astro Steel	32026-29094K-29094K-36TC	11/20/2013	11/20/2015
01878	Temperature Chamber	Thermotron Corp.	S 1.2 Mini-Max	5/15/2015	5/15/2017
P05947	Thermometer	Fluke	51	3/18/2014	3/18/2016

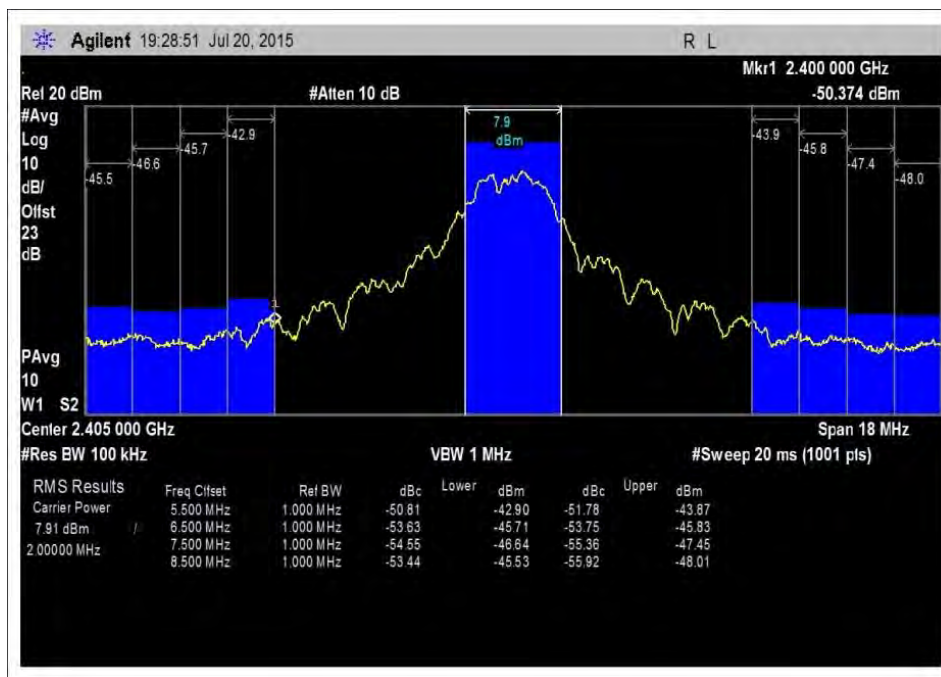
Test Data



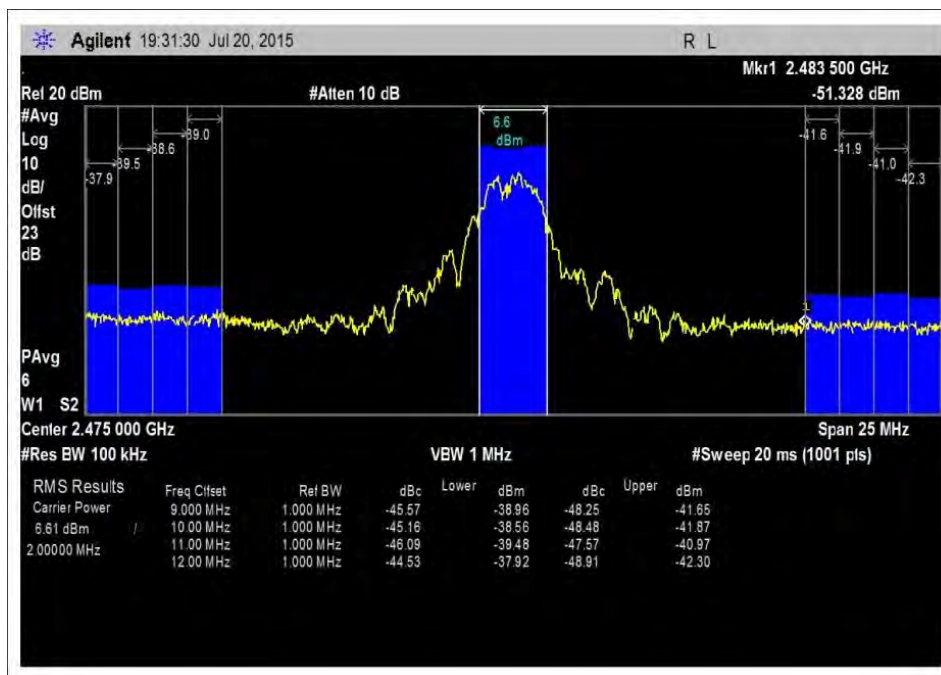
25°, 3V



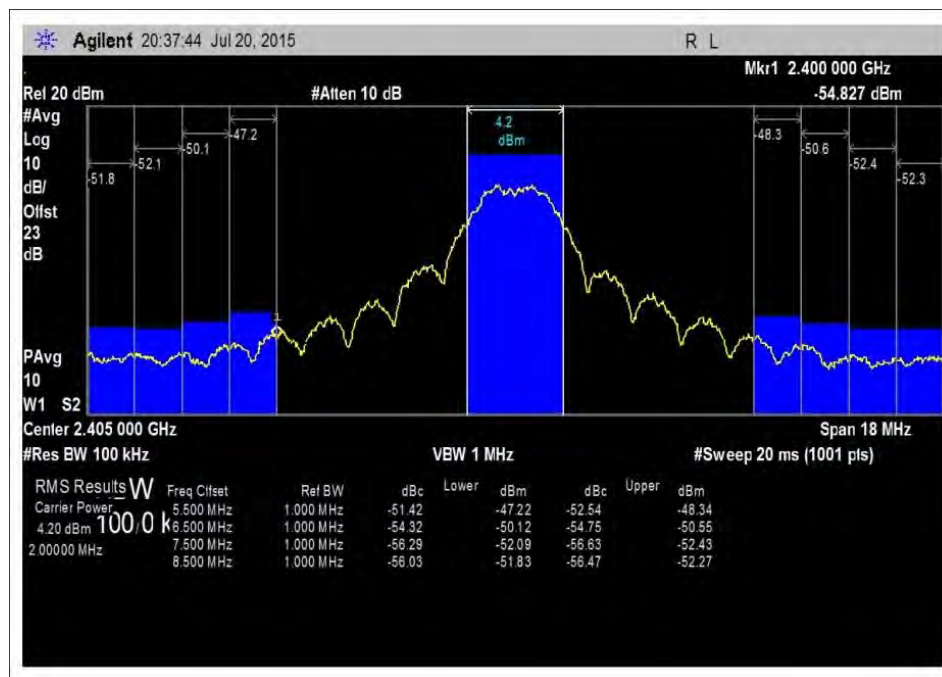
25°, 3V



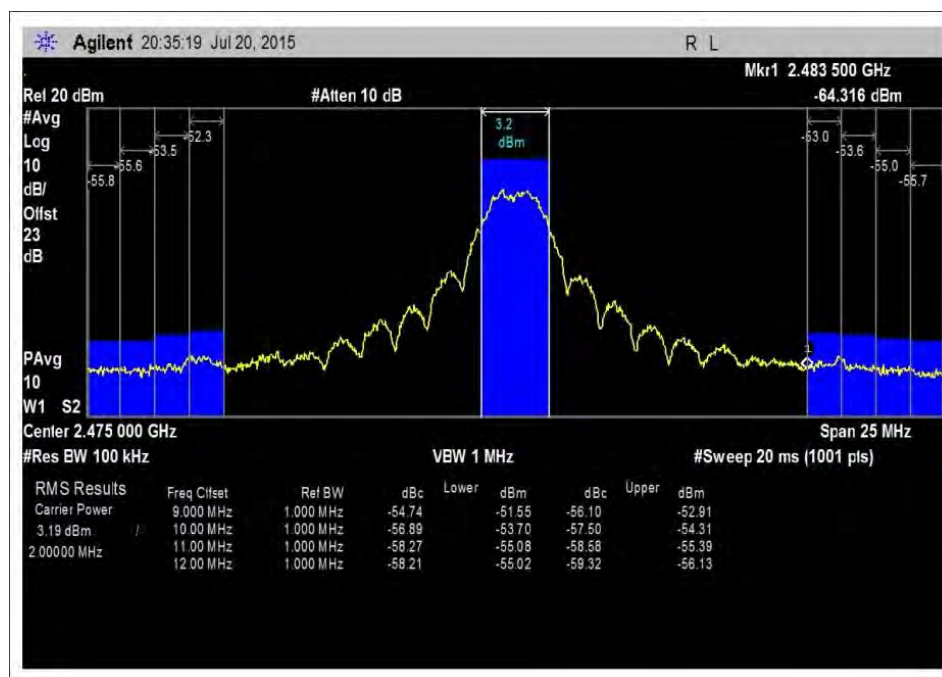
-40°C, 3V



-40°C, 3V



85°C, 3V



85°C, 3V

Note: Antenna gain= 4dBi. , BW = 2.2MHz
Measure Uncertainty: 0.67db/1 °C

Limit:

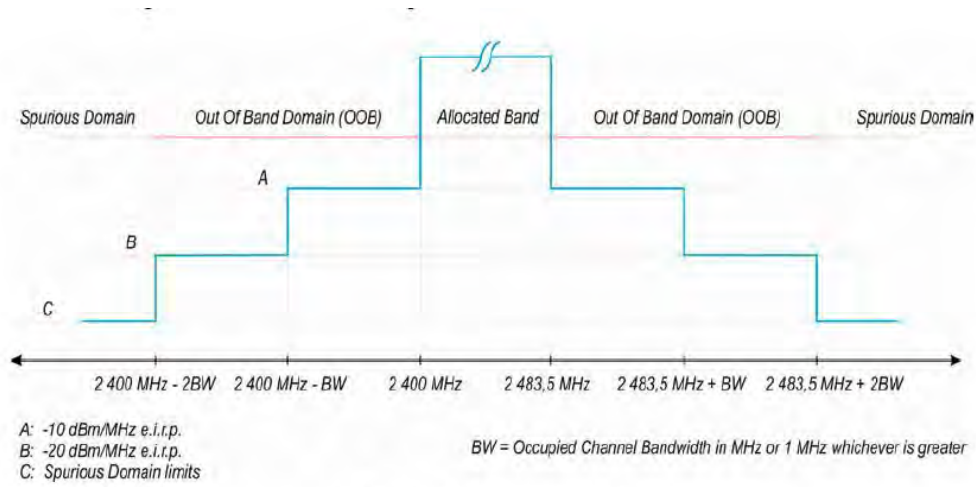
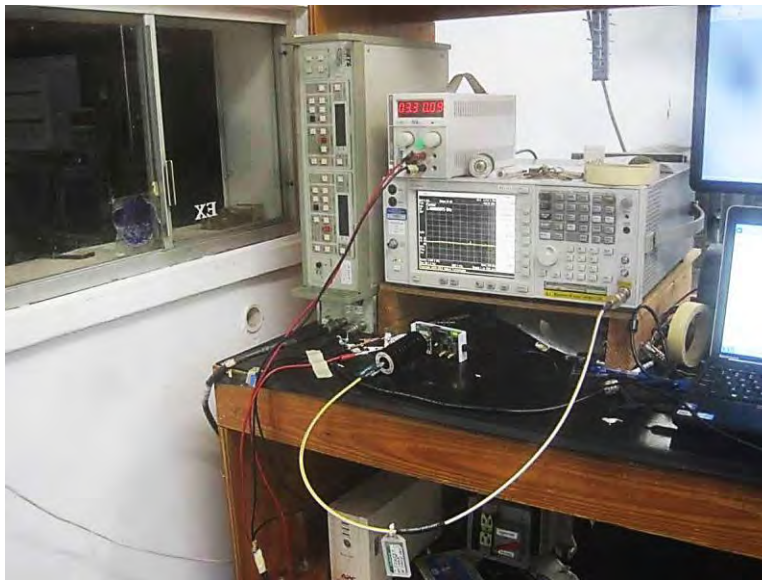


Figure 3: Transmit mask

Test Setup Photos





4.3.2.9 Transmitter Unwanted Emissions in the Spurious Domain Conducted Emission

Ambient Temperature: 17°C

Relative Humidity: 40%

Test Engineer: Eddie Wong

Test Date: 7/20/2015

Test Setup / Conditions

The equipment under test (EUT) is placed on the table top. The EUT is powered on and is continuously transmitting at its maximum rated output power. Testing performed at low, mid, and high channels (2405MHz, 2440MHz, and 2475MHz.) The EUT is powered from external power supply. Input voltage: 3VDC.

Frequency range scanned and maximized for this data sheet is 30MHz to 12.75GHz.

30MHz to 1000MHz RBW=VBW=100kHz.

1000MHz to 12750MHz RBW=VBW=1MHz.

Site A.

Modification on firmware: Reducing the biasing of the LO during transmitting.

Test Equipment

Asset #	Description	Manufacturer	Model	Cal Date	Cal Due
03431	Attenuator	Aeroflex/Weinschel	89-20-21	9/5/2013	9/5/2015
02672	Spectrum Analyzer	Agilent	E4446A	8/14/2013	8/14/2015
P06544	Cable	Astro Steel	32026-29094K- 29094K-36TC	11/20/2013	11/20/2015

Test Data

Frequency	Meter	Factors	Corr	Spec	Margin
MHz	dBm	dB	dBm	dBm	dB
495.3	-74.9	19.5	-55.4	-54.0	-1.4
487.5	-75.1	19.5	-55.6	-54.0	-1.6
481.5	-75.3	19.5	-55.8	-54.0	-1.8
7321.5	-53.2	21.2	-32.0	-30.0	-2.0
7216.7	-55.7	21.1	-34.6	-30.0	-4.6
1980.0	-54.9	20.0	-34.9	-30.0	-4.9
1951.9	-57.1	20.0	-37.1	-30.0	-7.1
1924.0	-57.4	20.0	-37.4	-30.0	-7.4
4878.3	-59.1	20.1	-39.0	-30.0	-9.0
7423.3	-60.7	21.2	-39.5	-30.0	-9.5
2928.3	-63.5	20.9	-42.6	-30.0	-12.6
4811.7	-64.0	20.3	-43.7	-30.0	-13.7
2886.7	-65.6	21.3	-44.3	-30.0	-14.3
2968.3	-67.9	20.8	-47.1	-30.0	-17.1
961.5	-79.2	19.9	-59.3	-36.0	-23.3
989.0	-79.4	19.8	-59.6	-36.0	-23.6
976.7	-79.5	19.9	-59.6	-36.0	-23.6
1485.7	-74.4	19.8	-54.6	-30.0	-24.6
1463.6	-76.2	19.8	-56.4	-30.0	-26.4
4951.7	-77.1	20.1	-57.0	-30.0	-27.0
9758.3	-78.4	21.1	-57.3	-30.0	-27.3
1443.2	-78.0	19.8	-58.2	-30.0	-28.2
Measurement Uncertainty: 0.67db					

Limit

Frequency range	Maximum power ERP (≤ 1 GHz) EIRP (> 1 GHz)	Bandwidth
30 MHz to 47 MHz	-36 dBm	100 kHz
47 MHz to 74 MHz	-54 dBm	100 kHz
74 MHz to 87.5 MHz	-36 dBm	100 kHz
87.5 MHz to 118 MHz	-54 dBm	100 kHz
118 MHz to 174 MHz	-36 dBm	100 kHz
174 MHz to 230 MHz	-54 dBm	100 kHz
230 MHz to 470 MHz	-36 dBm	100 kHz
470 MHz to 862 MHz	-54 dBm	100 kHz
862 MHz to 1 GHz	-36 dBm	100 kHz
1 GHz to 12.75 GHz	-30 dBm	1 MHz

Test Setup Photo



4.3.2.9 Transmitter Unwanted Emissions in the Spurious Domain Radiated Emission

Ambient Temperature: 17°C

Relative Humidity: 60%

Test Engineer: Don Nguyen

Test Date: 6/30/2015

Test Setup / Conditions

The equipment under test (EUT) is placed on Styrofoam 1.5m in height. The EUT is powered on and is continuously transmitting at its maximum rated output power. Testing performed at low, mid, and high channels (2405MHz, 2440MHz, and 2475MHz.) The EUT is powered from external power supply. Input voltage: 3VDC.

Frequency range scanned and maximized for this data sheet is 30MHz to 12.75GHz.

30MHz to 1000MHz RBW=VBW=100kHz.

1000MHz to 12750MHz RBW=VBW=1MHz.

Site A.

Test Equipment					
Asset #	Description	Manufacturer	Model	Cal Date	Cal Due
AN00309	Preamp	HP	8447D	3/12/2014	3/12/2016
AN01995	Biconilog Antenna	Chase	CBL6111C	4/30/2014	4/30/2016
ANP05050	Cable	Pasternack	RG223/U	1/15/2015	1/15/2017
ANP05198	Cable-Amplitude 15 to 45degC (dB)	Belden	8268	12/22/2014	12/22/2016
AN02672	Spectrum Analyzer	Agilent	E4446A	8/14/2013	8/14/2015
AN00786	Preamp	HP	83017A	4/25/2014	4/25/2016
AN00849	Horn Antenna	ETS	3115	3/18/2014	3/18/2016
ANP06543	Cable	AstroLab	32022-29094K-29094K-24TC	11/20/2013	11/20/2015
ANP06661	Cable	Andrew	LDF1-50	4/15/2014	4/15/2016

Test Data

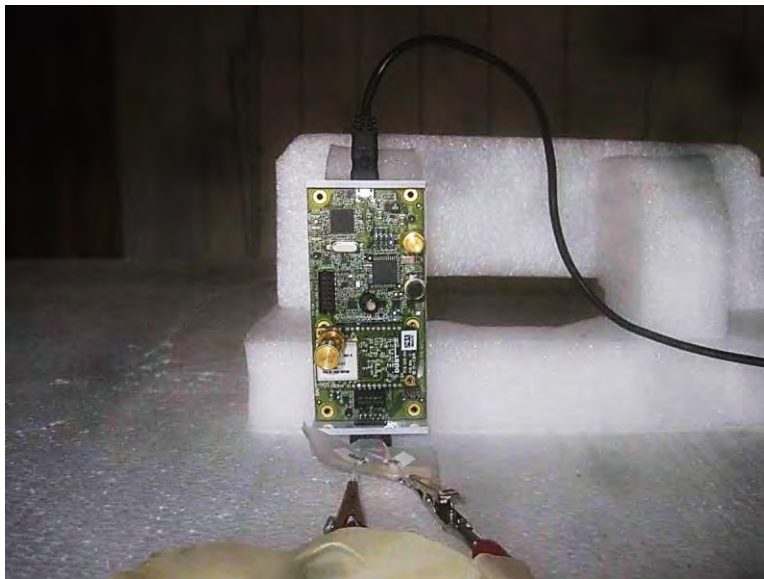
Frequency (MHz)	Reading (dBm)
521.68	-65.47878745
193.46	-68.77878745
108.452	-70.57878745
9900.00	-46.77878745
9618.05	-47.57878745
7425.00	-48.07878745
4950.00	-48.97878745
4809.25	-49.47878745
Measurement Uncertainty: 3.73db	

Limit:

Frequency range	Maximum power, ERP. (≤ 1 GHz) EIRP. (> 1 GHz)	Bandwidth
30 MHz to 47 MHz	-36 dBm	100 kHz
47 MHz to 74 MHz	-54 dBm	100 kHz
74 MHz to 87.5 MHz	-36 dBm	100 kHz
87,5 MHz to 118 MHz	-54 dBm	100 kHz
118 MHz to 174 MHz	-36 dBm	100 kHz
174 MHz to 230 MHz	-54 dBm	100 kHz
230 MHz to 470 MHz	-36 dBm	100 kHz
470 MHz to 862 MHz	-54 dBm	100 kHz
862 MHz to 1 GHz	-36 dBm	100 kHz
1 GHz to 12.75 GHz	-30 dBm	1 MHz

Test Setup Photos





4.3.2.10 Receiver Spurious Conducted Emissions

Ambient Temperature: 17°C

Relative Humidity: 40 %

Test Engineer: Don Nguyen

Test Date: 6/29/2015

Test Setup / Conditions

The equipment under test (EUT) is placed on the table top. The EUT is powered on and is continuously transmitting at its maximum rated output power. Testing performed at low, mid, and high channels (2405MHz, 2440MHz, and 2475MHz.) The EUT is powered from external power supply. Input voltage: 3VDC.

Frequency range scanned and maximized for this data sheet is 30MHz to 12.75GHz.

30MHz to 1000MHz RBW=VBW=100kHz.

1000MHz to 12750MHz RBW=VBW=1MHz.

Site A.

Test Equipment

Asset #	Description	Manufacturer	Model	Cal Date	Cal Due
02672	Spectrum Analyzer	Agilent	E4446A	8/14/2013	8/14/2015
P06544	Cable	Astro Steel	32026-29094K-29094K-36TC	11/20/2013	11/20/2015

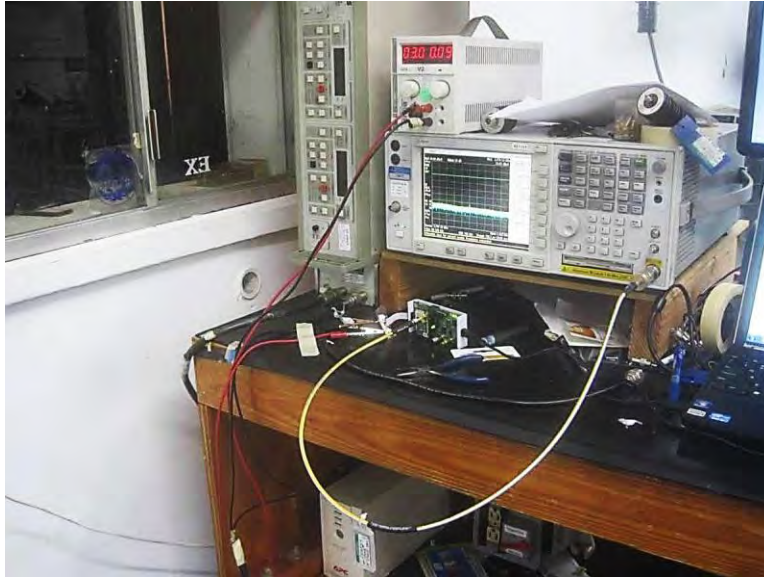
Test Data

230.30	-67.1
690.874	-72.0
1613.76	-67.8
921.673	-77.9
1382.605	-69.5
460.797	-79.6
Measurement Uncertainty: 0.67db	

Limit:

Frequency range	Maximum power, ERP	Measurement Bandwidth
30 MHz to 1 GHz	-57 dBm	100 kHz
1 GHz to 12.75 GHz	-47 dBm	1 MHz

Test Setup Photo



4.3.2.10 Receiver Spurious Radiated Emissions

Ambient Temperature: 19°C

Relative Humidity: 61 %

Test Engineer: Don Nguyen

Test Date: 6/30/2015

Test Setup / Conditions

The equipment under test (EUT) is placed on the table top. The EUT is powered on and is continuously transmitting at its maximum rated output power. Testing performed at low, mid, and high channels (2405MHz, 2440MHz, and 2475MHz.) The EUT is powered from external power supply. Input voltage: 3VDC.

Frequency range scanned and maximized for this data sheet is 30MHz to 12.75GHz.

30MHz to 1000MHz RBW=VBW=100kHz.

1000MHz to 12750MHz RBW=VBW=1MHz.

Site A.

Test Equipment					
Asset #	Description	Manufacturer	Model	Cal Date	Cal Due
AN00309	Preamp		8447D	3/12/2014	3/12/2016
AN01995	Biconilog Antenna		CBL6111C	4/30/2014	4/30/2016
ANP05050	Cable		RG223/U	1/15/2015	1/15/2017
ANP05198	Cable-Amplitude 15 to 45degC (dB)		8268	12/22/2014	12/22/2016
AN02672	Spectrum Analyzer		E4446A	8/14/2013	8/14/2015
AN00786	Preamp		83017A	4/25/2014	4/25/2016
AN00849	Horn Antenna		3115	3/18/2014	3/18/2016
ANP06543	Cable		32022-29094K-29094K-24TC	11/20/2013	11/20/2015
ANP06661	Cable		LDF1-50	4/15/2014	4/15/2016

Test Data

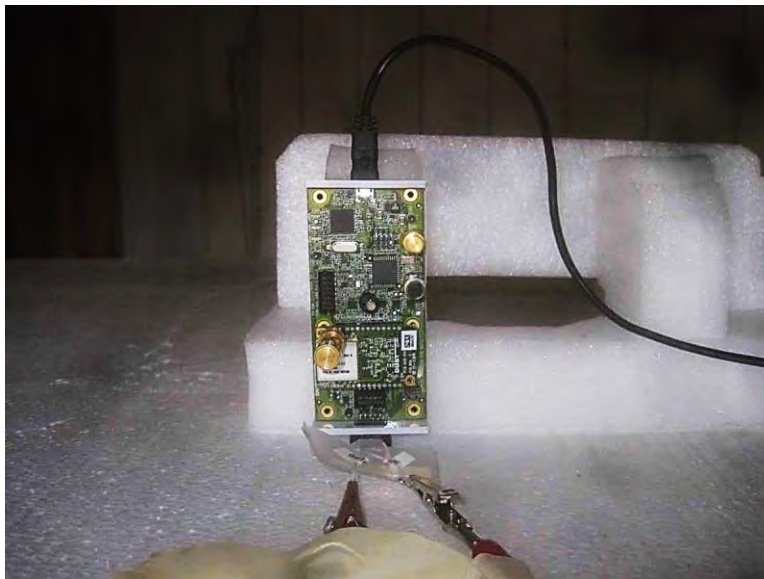
Frequency (MHz)	Reading (dBm)
1440.25	-55.57878745
142.88	-69.07878745
155.42	-69.47878745
133.46	-69.47878745
1345.25	-59.87878745
1200.25	-60.67878745
1218.7	-61.07878745
110.71	-71.27878745
Measurement Uncertainty: 3.73db	

Limit:

Frequency range	Maximum power, ERP	Measurement Bandwidth
30 MHz to 1 GHz	-57 dBm	100 kHz
1 GHz to 12.75 GHz	-47 dBm	1 MHz

Test Setup Photos





4.3.2.11 Receiver Blocking

Not Applicable: The manufacturer declares the EUT does not have an adaptive mode.

4.3.2.12 Geo-location capability

Not Applicable: The manufacturer declares the EUT does not have geo-location capability.

SUPPLEMENTAL INFORMATION

Measurement Uncertainty

Reported uncertainties represent expanded uncertainties expressed at approximately the 95% confidence level using a coverage factor of $k=2$.