



9kHz



100MHz



2GHz



25GHz

15.249(a) Fundamental Field Strength

Test Data

Test Location: CKC Laboratories, Inc. • 5046 Sierra Pines Dr. • Mariposa, CA 95338 • (209)-966-5240

Customer: **SRAM LLC.**
 Specification: **15.249 Carrier and Spurious Emissions (2400-2483.5 MHz Transmitter)**
 Work Order #: **94881** Date: 11/27/2013
 Test Type: **Maximized Emissions** Time: 15:42:21
 Equipment: **Quarq Qalcium Bicycle Power Meter** Sequence#: 1
 Manufacturer: SRAM LLC. Tested By: Eddie Mariscal
 Model: 0815
 S/N: 63132

Test Equipment:

ID	Asset #	Description	Model	Calibration Date	Cal Due Date
T1	AN00327	Horn Antenna	3115	4/13/2012	4/13/2014
T2	AN03356	Cable	32026-2-29094K-48TC	2/7/2013	2/7/2015
T3	AN03155	Preamp	83017A	6/26/2013	6/26/2015
T4	AN03355	Cable	32026-2-29094K-48TC	2/7/2013	2/7/2015
T5	AN03358	Cable	32022-2-29094K-36TC	2/7/2013	2/7/2015
T6	AN03360	Cable	32022-2-29094-36TC	2/4/2013	2/4/2015
T7	ANP05904	Cable	32022-2-29094K-144TC	2/15/2013	2/15/2015
T8	AN02660	Spectrum Analyzer	E4446A	8/23/2012	8/23/2014

Equipment Under Test (* = EUT):

Function	Manufacturer	Model #	S/N
Quarq Qalcium Bicycle Power Meter*	SRAM LLC.	0815	63132

Support Devices:

Function	Manufacturer	Model #	S/N
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Test Conditions / Notes:

EUT is placed atop Styrofoam supports at a height of 80cm. EUT is placed in continuous transmit mode. Testing was done in accordance with 15.31(e). A new battery was installed at the time of testing.

Transmit Frequency: 2.457GHz
 Frequency Range of Interest: Fundamental

Environmental Conditions:
 Temperature = 14°C
 Relative Humidity = 40%
 Atmospheric Pressure = 98.7kPa

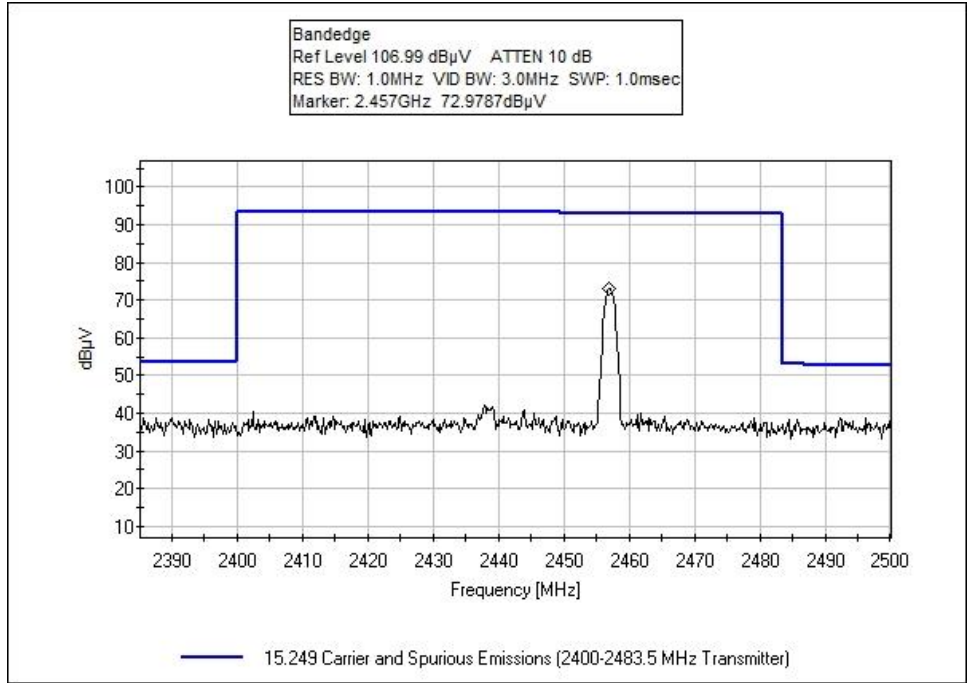
Ext Attn: 0 dB

Measurement Data:

Reading listed by margin.

Test Distance: 3 Meters

#	Freq MHz	Rdng dBμV	Reading listed by margin.				T4 dB	Dist Table	Corr dBμV/m	Spec dBμV/m	Margin dB	Polar Ant
			T1 dB	T2 dB	T3 dB	T7 dB						
1	2457.000M	73.5	+28.6 +0.6	+1.1 +0.7	-32.9 +2.2	+0.5 +0.0	+0.0	74.3	94.0 Y	-19.7	Horiz	
2	2457.000M	65.1	+28.6 +0.6	+1.1 +0.7	-32.9 +2.2	+0.5 +0.0	+0.0	65.9	94.0 Y	-28.1	Vert	



Test Setup Photos





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