

**Application for Certification
For a RF Transmitter**

Celio Technology Corporation
265 E 100 South, Suite 280
Salt Lake City, UT 84111

Smart Phone Companion
M/N: CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)

FCC ID: VVU73125

REPORT # UT06027B-003

This report was prepared in accordance with the requirements of the FCC Rules and Regulations Part 2, Subpart J, 2.1033, Part 15.247, and other applicable sections of the rules as indicated herein.

Prepared By:

DNB Engineering, Inc.
1100 E Chalk Creek Road
Coalville, UT 84017

28 Dec 2009

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Paragraph numbers in this report follow the application section numbers found in the FEDERAL COMMUNICATIONS COMMISSION Rules and Regulations, Part 2, Subpart J for Certification of electronic equipment.

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1.0 ADMINISTRATIVE DATA

1.1 Certifications and Qualifications

I certify that DNB Engineering, Inc conducted the tests performed in order to obtain the technical data presented in this application. The basic test procedure used to show compliance was FCC Public Notice DA 00-705. Also, based on the results of the enclosed data, I have concluded that the equipment tested meets or exceeds the requirements of the Rules and Regulations governing this application.

1.2 Measurement Repeatability Information

The test data presented in this report has been acquired using the guidelines set forth in FCC Part 2.1031 through 2.1057, Part 15. The test results presented in this document are valid only for the equipment identified herein under the test conditions described. Repeatability of these test results will only be achieved with identical measurement conditions. These conditions include: The same test distance, EUT Height, Measurement Site Characteristics, and the same EUT System Components. The system must have the same Interconnecting Cables arranged in identical placement to that in the test set-up, with the system and/or EUT functioning in the identical mode of operation (i.e. software and so on) as on the date of the test. Any deviation from the test conditions and the environment on the date of the test may result in measurement repeatability difficulties.

All changes made to the EUT during the course of testing as identified in this test report must be incorporated into the EUT or identical models to ensure compliance with the FCC regulations.



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Facility Manager
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FAX (435) 336-4436

2.1033 (b) (1) Application for Certification

Name of Applicant: Celio Technology Corporation
265 E 100 South, Suite 280
Salt Lake City, UT 84111

FRN Number: 0017194887

Applicant is: Celio Technology Corporation
Vendor
Licensee
Prospective Licensee
Other

Name of Manufacturer Sanmina - SCI Systems
De Mexico SA DE CV
Carretera Guadalajara-Chapala, Km 15.5 No 29, Tlajomloco de Zuniga C.P.
Jalisco, Jalisco 45640, Mexico

Description: Smart Phone Companion

Part Number: CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)

Anticipated Production Quantity: Multiple Units

Frequency Band: 2401.2 - 2480.4 MHz

Rated Power: 0.224mW

Type of Signal: FHSS

Hopping Channels: 79

Max Data Rate: 1Mbps / 2Mbps / 3Mbps
(Depending on attached phone link)

2.1033 (b) (2) FCC Identifier

FCC ID: VVU73125

Figure 1 - Label and location



2.1033 (b) (3) Installation and Operating Instructions

Supplied separately.

2.1033 (b) (4) Brief Description of Circuit Function

Celio Corporation's new smart phone companion, is designed to give smart phones a larger screen and keyboard for surfing the Web, viewing and editing Office document, etc. The Redfly doesn't have its own processor or operating system; it syncs over USB or Bluetooth 2.0 with your smart phone and extends Windows Mobile to an 8-inch display. Business users will like the built-in VGA port for putting on presentations with PowerPoint Mobile and plug in USB drive to access files on the go.

2.1033 (b) (5) Block Diagram

Supplied separately for confidentiality.

2.1033 (b) (6) Report of Measurements

Test Procedure:

To measure conducted emissions, the EUT was set upon a wooden table in the shielded enclosure. AC power was fed into the EUT from the Artificial Mains Network. With the Artificial Mains Network connected to an HP 8568B Spectrum Analyzer, and using the HP 9825 Computer/Controller and the HP 85864B EMI Measurement Software, the spectrum was searched from 0.15 - 30 MHz for emissions emanating from the EUT.

Resolution Bandwidth is 9kHz from 0.150MHz to 30MHz (Ref: IEC CISPR 16-1)

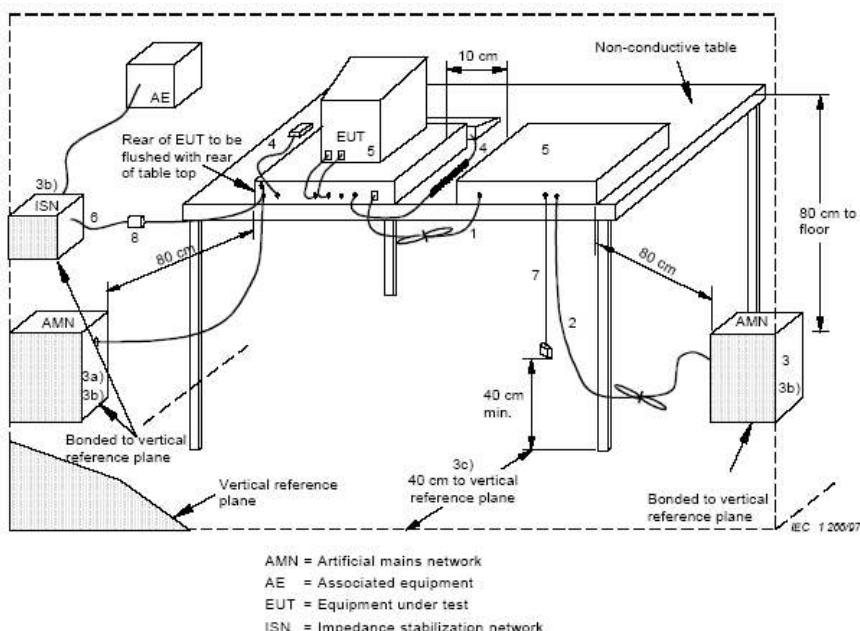
Frequency of emission (MHz)	Conducted Limit (dBuV)	
	Quasi-Peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 5	56	46
5 - 30	60	50

* Decreases with the logarithm of the frequency.

EUT operating conditions:

The software provided by the client to enable the EUT to transmit continuously.

Test Set Up:





1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

Conducted Emissions

DNB Job Number:	06027	Date:	12 Aug 2008	Specification
Customer:	Celio Technology Corporation			[X] 15.207
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			
Description:	RF Transmitter			
	Set Up			





1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
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Conducted Emissions

DNB Job Number:		06027			Date: 29 Oct 2009		Specification [X] 15.207							
Customer:		Celio Technology Corporation												
Model Number:		CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)												
Description:		RF Transmitter												
		Maximum Readings												
Freq in Mhz	Raw Meter Reading	Correction Factors			Corrected Reading dBuV	Limit dBuV	Delta	Line	Limit Type	Detector Type				
		LISN	Cable	Total										
		dB	dB	dB										
0.366	43.20	0.4	1.1	1.5	44.70	50.0	-5.30	Phase	AVE	AVE				
0.488	37.20	0.4	1.2	1.6	38.8	46.0	-7.20	Phase	AVE	AVE				
0.488	46.50	0.4	1.2	1.6	48.10	56.0	-7.90	Phase	QP	QP				
0.488	36.80	0.1	1.2	1.3	38.10	46.0	-7.90	Neutral	AVE	AVE				
0.488	46.40	0.1	1.2	1.3	47.70	56.0	-8.30	Neutral	QP	QP				
0.366	50.10	0.4	1.1	1.5	51.60	60.0	-8.40	Phase	QP	QP				

Resolution Bandwidth = 9kHz

(Ref: IEC CISPR 16-1 for a quasi-peak receiver in the range from 0.150 to 30 MHz)

15.209 Radiated Emissions (General Provisions)

Test Procedure:

The EUT was measured on an open area test site (OATS).

A measuring distance of at least 3 m shall be used for measurements at frequencies up to 1 GHz. For frequencies above 1 GHz, any suitable measuring distance may be used. The equipment size (excluding the antenna) shall be less than 20 % of the measuring distance.

Sufficient precautions shall be taken to ensure that reflections from extraneous objects adjacent to the site do not degrade the measurement results, in particular:

- no extraneous conducting objects having any dimension in excess of a quarter wavelength of the highest frequency tested shall be in the immediate vicinity of the site;
- all cables shall be as short as possible; as much of the cables as possible shall be on the ground plane or preferably below; and the low impedance cables shall be screened.

The EUT shall be placed upon a non-conductive table 1.5 meters above the ground plane and shall be placed in the “worst case” transmitting mode. The EUT shall be rotated 360 degrees to find the azimuth maxima. The receive antenna shall then be raised and lowered between 1 to 4 meters to find the maximum signal emanating from the EUT. This signal strength is then recorded on the data sheets.

Frequency (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measurement Distance (meters)
.0009 - 0.490	2400/F(kHz)	$20 * (\log_{10}(2400/F(kHz)))$	300
0.490 - 1.705	24000/F(kHz)	$20 * (\log_{10}(24000/F(kHz)))$	30
1.705 - 30.0	30	29.5	30
30 - 88	100	40.0	3
88 - 216	150	43.5	3
216 - 960	200	46.0	3
Above 960	500	54.0	3

Resolution Bandwidth = 120kHz

(Reference IEC CISPR 16-1 for a quasi-peak receiver in the range from 30 to 1000MHz)

For peak readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be equal to or greater than the Resolution Bandwidth.

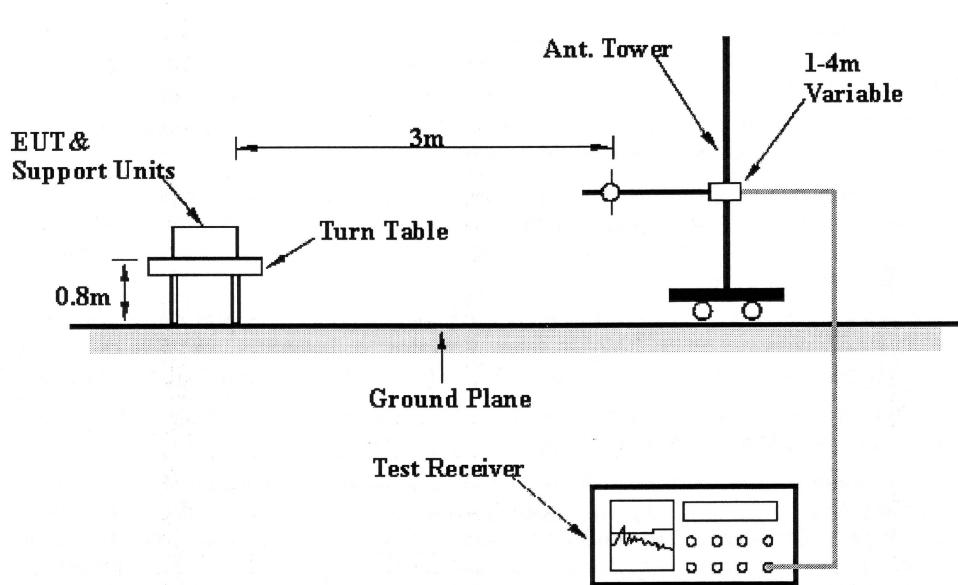
For average readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be 10Hz.



1100 E Chalk Creek Road
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Radiated Emissions (Spurious)

DNB Job Number:	06027	Date:	30 Oct 2009	Specification
Customer:	Celio Technology Corporation			[X] 15.209
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			
Description:	Smart Phone Companion			
	Test Set Up			



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date:	30 Oct 2009
Customer:	Celio Technology Corporation	Specification	
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)	[X] 15.209	
Description:	Smart Phone Companion		
Test Set Up - (Horizontal/Vertical - Bicon / Log Periodic)			



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date:	30 Oct 2009
Customer:	Celio Technology Corporation	Specification [X] 15.209	
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion		
Test Set Up - (Horizontal/Vertical - DRG)			



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date:	30 Oct 2009
Customer:	Celio Technology Corporation	Specification [X] 15.209	
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion		
Test Set Up - X-Axis (Horizontal/Vertical - Bicon / Log Periodic / DRG)			



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date:	30 Oct 2009
Customer:	Celio Technology Corporation	Specification	
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)	[X] 15.209	
Description:	Smart Phone Companion		
Test Set Up - Y-Axis (Horizontal/Vertical - Bicon / Log Periodic / DRG)			



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)
DNB Job Number:	06027	Date: 30 Oct 2009
Customer:	Celio Technology Corporation	Specification
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)	[X] 15.209
Description:	Smart Phone Companion	
Test Set Up - Z-Axis (Horizontal/Vertical - Bicon / Log Periodic / DRG)		





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Radiated Emissions (General)

Resolution Bandwidth = 120kHz

(Reference IEC CISPR 16-1 for a quasi-peak receiver in the range from 30 to 1000MHz)

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date: 9 Feb 2010	Specification
Customer:	Celio Technology Corporation		[X] 15.209
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion		
	Low Channel - X-Axis		

Note 1: GF = Ground Floor = If Y reading was at ground floor, If N reading was identifiable signal

Note 2: Limit listed is the general limit as specified in 15.209 in order to show compliance with the restricted bands of operation as well as the out of band limit in 15.247. No other identifiable signals were observed in the restricted bands as specified in 15.205.

Note3: Highest frequency investigated was the tenth harmonic of the fundamental, no emissions were detected above the 2nd harmonic. Only data to the 7th harmonic has been provided.

Note 4: For peak readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be equal to or greater than the Resolution Bandwidth.

Note 5: For average readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be 10Hz.

FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions			G F	
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	Tbl	Pl		
2401.875	97.9	29.4	4.2	40.9	90.6	114.0	-23.4	Peak	290	V	1.00	N
2401.875	36.7	29.4	4.2	40.9	29.4	114.0	-84.6	Ave	290	V	1.00	N
4803.870	47.4	33.0	6.2	41.4	45.2	74.0	-28.8	Peak	290	V	1.00	Y
4803.870	22.3	33.0	6.2	41.4	20.1	54.0	-33.9	Ave	290	V	1.00	Y
7205.750	48.8	37.2	8.4	39.5	54.9	74.0	-19.1	Peak	290	V	1.00	Y
7205.750	25.3	37.2	8.4	39.5	31.4	54.0	-22.6	Ave	290	V	1.00	Y
9607.620	48.6	37.8	10.1	37.0	59.5	74.0	-14.5	Peak	290	V	1.00	Y
9607.620	26.7	37.8	10.1	37.0	37.6	54.0	-16.4	Ave	290	V	1.00	Y
12009.500	46.3	39.7	10.7	38.2	58.5	74.0	-15.5	Peak	290	V	1.00	Y
12009.500	26.7	39.7	10.7	38.2	38.9	54.0	-15.1	Ave	290	V	1.00	Y
14411.370	50.8	41.5	13.6	40.2	65.7	74.0	-8.3	Peak	290	V	1.00	Y
14411.370	30.5	41.5	13.6	40.2	45.4	54.0	-8.6	Ave	290	V	1.00	Y
16813.250	52.0	41.9	15.1	38.8	70.2	74.0	-3.8	Peak	290	V	1.00	Y
16813.250	31.4	41.9	15.1	38.8	49.6	54.0	-4.4	Ave	290	V	1.00	Y
2401.875	98.2	29.4	4.2	40.9	90.9	114.0	-23.1	Peak	274	H	1.64	N
2401.875	28.3	29.4	4.2	40.9	21.0	114.0	-93.0	Ave	274	H	1.64	N
4803.870	47.4	33.0	6.2	41.4	45.2	74.0	-28.8	Peak	274	H	1.64	Y
4803.870	23.1	33.0	6.2	41.4	20.9	54.0	-33.1	Ave	274	H	1.64	Y
7205.750	48.7	37.2	8.4	39.5	54.8	74.0	-19.2	Peak	274	H	1.64	Y
7205.750	27.3	37.2	8.4	39.5	33.4	54.0	-20.6	Ave	274	H	1.64	Y
9607.620	50.2	37.8	10.1	37.0	61.1	74.0	-12.9	Peak	274	H	1.64	Y
9607.620	26.6	37.8	10.1	37.0	37.5	54.0	-16.5	Ave	274	H	1.64	Y
12009.500	48.1	39.7	10.7	38.2	60.3	74.0	-13.7	Peak	274	H	1.64	Y
12009.500	27.4	39.7	10.7	38.2	39.6	54.0	-14.4	Ave	274	H	1.64	Y
14411.370	52.3	41.5	13.6	40.2	67.2	74.0	-6.8	Peak	274	H	1.64	Y
14411.370	31.3	41.5	13.6	40.2	46.2	54.0	-7.8	Ave	274	H	1.64	Y
16813.250	52.3	41.9	15.1	38.8	70.5	74.0	-3.5	Peak	274	H	1.64	Y
16813.250	31.4	41.9	15.1	38.8	49.6	54.0	-4.4	Ave	274	H	1.64	Y

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date: 9 Feb 2010	Specification
Customer:	Celio Technology Corporation		[X] 15.209
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion		
	Low Channel - X-Axis		

Note 1: GF = Ground Floor = If Y reading was at ground floor, If N reading was identifiable signal

Note 2: Limit listed is the general limit as specified in 15.209 in order to show compliance with the restricted bands of operation as well as the out of band limit in 15.247. No other identifiable signals were observed in the restricted bands as specified in 15.205.

Note3: Highest frequency investigated was the tenth harmonic of the fundamental, no emissions were detected above the 2nd harmonic. Only data to the 7th harmonic has been provided.

Note 4: For peak readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be equal to or greater than the Resolution Bandwidth.

Note 5: For average readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be 10Hz.

FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions			G F	
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	Tbl	Pl		
2401.815	101.1	29.4	4.2	40.9	93.8	114.0	-20.2	Peak	216	V	1.20	N
2401.815	39.8	29.4	4.2	40.9	32.5	114.0	-81.5	Ave	216	V	1.20	N
4803.610	56.3	33.0	6.2	41.4	54.1	74.0	-19.9	Peak	360	V	1.20	Y
4803.610	24.8	33.0	6.2	41.4	22.6	54.0	-31.4	Ave	360	V	1.20	Y
7205.430	51.2	37.2	8.4	39.5	57.3	74.0	-16.7	Peak	0	V	1.20	Y
7205.430	26.8	37.2	8.4	39.5	32.9	54.0	-21.1	Ave	0	V	1.20	Y
9607.240	49.8	37.8	10.1	37.0	60.7	74.0	-13.3	Peak	0	V	1.00	Y
9607.240	26.2	37.8	10.1	37.0	37.1	54.0	-16.9	Ave	0	V	1.00	Y
12009.060	47.0	39.7	10.7	38.2	59.2	74.0	-14.8	Peak	216	V	1.20	Y
12009.060	26.4	39.7	10.7	38.2	38.6	54.0	-15.4	Ave	216	V	1.20	Y
14410.870	51.2	41.5	13.6	40.2	66.1	74.0	-7.9	Peak	216	V	1.20	Y
14410.870	31.0	41.5	13.6	40.2	45.9	54.0	-8.1	Ave	216	V	1.20	Y
16812.690	52.1	41.9	15.1	38.8	70.3	74.0	-3.7	Peak	360	V	1.21	Y
16812.690	31.2	41.9	15.1	38.8	49.4	54.0	-4.6	Ave	360	V	1.21	Y
2401.815	101.0	29.4	4.2	40.9	93.7	114.0	-20.3	Peak	277	H	1.47	N
2401.815	43.3	29.4	4.2	40.9	36.0	114.0	-78.0	Ave	277	H	1.47	N
4803.610	51.0	33.0	6.2	41.4	48.8	74.0	-25.2	Peak	277	H	1.47	Y
4803.610	25.4	33.0	6.2	41.4	23.2	54.0	-30.8	Ave	277	H	1.47	Y
7205.430	50.9	37.2	8.4	39.5	57.0	74.0	-17.0	Peak	277	H	1.47	Y
7205.430	26.6	37.2	8.4	39.5	32.7	54.0	-21.3	Ave	277	H	1.47	Y
9607.240	53.0	37.8	10.1	37.0	63.9	74.0	-10.1	Peak	360	H	1.47	Y
9607.240	26.8	37.8	10.1	37.0	37.7	54.0	-16.3	Ave	360	H	1.47	Y
12009.060	46.2	39.7	10.7	38.2	58.4	74.0	-15.6	Peak	0	H	1.47	Y
12009.060	25.9	39.7	10.7	38.2	38.1	54.0	-15.9	Ave	0	H	1.47	Y
14410.870	49.7	41.5	13.6	40.2	64.6	74.0	-9.4	Peak	277	H	1.47	Y
14410.870	31.2	41.5	13.6	40.2	46.1	54.0	-7.9	Ave	277	H	1.47	Y
16812.690	51.0	41.9	15.1	38.8	69.2	74.0	-4.8	Peak	360	H	1.47	Y
16812.690	31.6	41.9	15.1	38.8	49.8	54.0	-4.2	Ave	360	H	1.47	Y

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date: 9 Feb 2010	Specification
Customer:	Celio Technology Corporation		[X] 15.209
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
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Note 1: GF = Ground Floor = If Y reading was at ground floor, If N reading was identifiable signal

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Note3: Highest frequency investigated was the tenth harmonic of the fundamental, no emissions were detected above the 2nd harmonic. Only data to the 7th harmonic has been provided.

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Note 5: For average readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be 10Hz.

FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions			G F	
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	Tbl	Pl		
2401.860	98.2	29.4	4.2	40.9	90.9	114.0	-23.1	Peak	242	H	1.80	N
2401.860	63.2	29.4	4.2	40.9	55.9	114.0	-58.1	Ave	242	H	1.80	N
4803.670	46.3	33.0	6.2	41.4	44.1	74.0	-29.9	Peak	360	H	1.80	Y
4803.670	24.3	33.0	6.2	41.4	22.1	54.0	-31.9	Ave	360	H	1.80	Y
7205.530	47.4	37.2	8.4	39.5	53.5	74.0	-20.5	Peak	242	H	1.80	Y
7205.530	26.5	37.2	8.4	39.5	32.6	54.0	-21.4	Ave	242	H	1.80	Y
9607.390	48.8	37.8	10.1	37.0	59.7	74.0	-14.3	Peak	0	H	1.80	Y
9607.390	26.6	37.8	10.1	37.0	37.5	54.0	-16.5	Ave	0	H	1.80	Y
12009.250	48.0	39.7	10.7	38.2	60.2	74.0	-13.8	Peak	242	H	1.80	Y
12009.250	27.0	39.7	10.7	38.2	39.2	54.0	-14.8	Ave	242	H	1.80	Y
14411.110	53.0	41.5	13.6	40.2	67.9	74.0	-6.1	Peak	360	H	1.80	Y
14411.110	31.3	41.5	13.6	40.2	46.2	54.0	-7.8	Ave	360	H	1.80	Y
16812.970	53.0	41.9	15.1	38.8	71.2	74.0	-2.8	Peak	242	H	1.80	Y
16812.970	31.3	41.9	15.1	38.8	49.5	54.0	-4.5	Ave	242	H	1.80	Y
2401.860	96.7	29.4	4.2	40.9	89.4	114.0	-24.6	Peak	207	V	1.30	N
2401.860	71.4	29.4	4.2	40.9	64.1	114.0	-49.9	Ave	207	V	1.30	N
4803.670	45.6	33.0	6.2	41.4	43.4	74.0	-30.6	Peak	360	V	1.30	Y
4803.670	23.2	33.0	6.2	41.4	21.0	54.0	-33.0	Ave	360	V	1.30	Y
7205.530	48.5	37.2	8.4	39.5	54.6	74.0	-19.4	Peak	207	V	1.30	Y
7205.530	26.5	37.2	8.4	39.5	32.6	54.0	-21.4	Ave	207	V	1.30	Y
9607.390	48.1	37.8	10.1	37.0	59.0	74.0	-15.0	Peak	0	V	1.30	Y
9607.390	26.6	37.8	10.1	37.0	37.5	54.0	-16.5	Ave	0	V	1.30	Y
12009.250	48.3	39.7	10.7	38.2	60.5	74.0	-13.5	Peak	207	V	1.30	Y
12009.250	26.7	39.7	10.7	38.2	38.9	54.0	-15.1	Ave	207	V	1.30	Y
14411.110	53.1	41.5	13.6	40.2	68.0	74.0	-6.0	Peak	360	V	1.30	Y
14411.110	31.2	41.5	13.6	40.2	46.1	54.0	-7.9	Ave	360	V	1.30	Y
16812.970	52.7	41.9	15.1	38.8	70.9	74.0	-3.1	Peak	207	V	1.30	Y
16812.970	31.5	41.9	15.1	38.8	49.7	54.0	-4.3	Ave	207	V	1.30	Y

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date: 9 Feb 2010	Specification
Customer:	Celio Technology Corporation		[X] 15.209
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion Middle Channel - X-Axis		

Note 1: GF = Ground Floor = If Y reading was at ground floor, If N reading was identifiable signal
 Note 2: Limit listed is the general limit as specified in 15.209 in order to show compliance with the restricted bands of operation as well as the out of band limit in 15.247. No other identifiable signals were observed in the restricted bands as specified in 15.205.
 Note3: Highest frequency investigated was the tenth harmonic of the fundamental, no emissions were detected above the 3rd harmonic. Only data to the 7th harmonic has been provided.
 Note 4: For peak readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be equal to or greater than the Resolution Bandwidth.
 Note 5: For average readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be 10Hz.

FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions			G F
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	Tbl	Pl	
2440.989	100.8	29.5	4.2	41.0	93.5	114.0	-20.5	Peak	285	H	1.31
2440.989	70.0	29.5	4.2	41.0	62.7	114.0	-51.3	Ave	285	H	1.31
4881.910	45.8	33.3	6.3	41.4	44.0	74.0	-30.0	Peak	360	H	1.31
4881.910	34.5	33.3	6.3	41.4	32.7	54.0	-21.3	Ave	360	H	1.31
7324.285	47.6	37.1	8.6	39.2	54.1	74.0	-19.9	Peak	360	H	1.31
7324.285	36.9	37.1	8.6	39.2	43.4	54.0	-10.6	Ave	360	H	1.31
9763.890	49.1	37.9	10.2	37.1	60.1	74.0	-13.9	Peak	285	H	1.31
9763.890	36.9	37.9	10.2	37.1	47.9	54.0	-6.1	Ave	285	H	1.31
12204.880	47.6	40.3	11.2	37.9	61.2	74.0	-12.8	Peak	285	H	1.31
12204.880	37.1	40.3	11.2	37.9	50.7	54.0	-3.3	Ave	285	H	1.31
14645.870	52.7	41.8	13.8	40.2	68.1	74.0	-5.9	Peak	285	H	1.31
14645.870	41.2	41.8	13.8	40.2	56.6	54.0	2.6	Ave	285	H	1.31
17086.850	52.8	42.5	14.7	38.8	71.2	74.0	-2.8	Peak	285	H	1.31
17086.850	31.1	42.5	14.7	38.8	49.5	54.0	-4.5	Ave	285	H	1.31
2440.989	96.9	29.5	4.2	41.0	89.6	114.0	-24.4	Peak	291	V	1.00
2440.989	65.2	29.5	4.2	41.0	57.9	114.0	-56.1	Ave	291	V	1.00
4881.910	43.8	33.3	6.3	41.4	42.0	74.0	-32.0	Peak	291	V	1.00
4881.910	32.4	33.3	6.3	41.4	30.6	54.0	-23.4	Ave	360	V	1.00
7324.285	48.3	37.1	8.6	39.2	54.8	74.0	-19.2	Peak	360	V	1.00
7324.285	36.9	37.1	8.6	39.2	43.4	54.0	-10.6	Ave	360	V	1.00
9763.890	46.3	37.9	10.2	37.1	57.3	74.0	-16.7	Peak	360	V	1.00
9763.890	36.4	37.9	10.2	37.1	47.4	54.0	-6.6	Ave	360	V	1.00
12204.880	46.3	40.3	11.2	37.9	59.9	74.0	-14.1	Peak	0	V	1.00
12204.880	35.9	40.3	11.2	37.9	49.5	54.0	-4.5	Ave	0	V	1.00
14645.870	51.0	41.8	13.8	40.2	66.4	74.0	-7.6	Peak	0	V	1.00
14645.870	31.0	41.8	13.8	40.2	46.4	54.0	-7.6	Ave	0	V	1.00
17086.850	51.1	42.5	14.7	38.8	69.5	74.0	-4.5	Peak	291	V	1.00
17086.850	32.1	42.5	14.7	38.8	50.5	54.0	-3.5	Ave	291	V	1.00

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date: 9 Feb 2010	Specification
Customer:	Celio Technology Corporation		[X] 15.209
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion Middle Channel - Y-Axis		

Note 1: GF = Ground Floor = If Y reading was at ground floor, If N reading was identifiable signal
 Note 2: Limit listed is the general limit as specified in 15.209 in order to show compliance with the restricted bands of operation as well as the out of band limit in 15.247. No other identifiable signals were observed in the restricted bands as specified in 15.205.
 Note3: Highest frequency investigated was the tenth harmonic of the fundamental, no emissions were detected above the 3rd harmonic. Only data to the 7th harmonic has been provided.
 Note 4: For peak readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be equal to or greater than the Resolution Bandwidth.
 Note 5: For average readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be 10Hz.

FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions			G F
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	Tbl	Pl	
2440.824	101.6	29.5	4.2	41.0	94.3	114.0	-19.7	Peak	270	H	1.43
2440.824	78.8	29.5	4.2	41.0	71.5	114.0	-42.5	Ave	270	H	1.43
4881.810	52.7	33.3	6.3	41.4	50.9	74.0	-23.1	Peak	270	H	1.43
4881.810	31.9	33.3	6.3	41.4	30.1	54.0	-23.9	Ave	270	H	1.43
7322.630	46.5	37.1	8.6	39.2	53.0	74.0	-21.0	Peak	360	H	1.00
7322.630	25.9	37.1	8.6	39.2	32.4	54.0	-21.6	Ave	360	H	1.00
9763.460	45.7	37.9	10.2	37.1	56.7	74.0	-17.3	Peak	270	H	1.00
9763.460	25.8	37.9	10.2	37.1	36.8	54.0	-17.2	Ave	270	H	1.00
12204.280	45.7	40.3	11.2	37.9	59.3	74.0	-14.7	Peak	0	H	1.43
12204.280	26.0	40.3	11.2	37.9	39.6	54.0	-14.4	Ave	0	H	1.43
14645.100	51.0	41.8	13.8	40.2	66.4	74.0	-7.6	Peak	270	H	1.43
14645.100	30.8	41.8	13.8	40.2	46.2	54.0	-7.8	Ave	270	H	1.43
17085.930	50.2	42.5	14.7	38.8	68.6	74.0	-5.4	Peak	360	H	1.43
17085.930	31.1	42.5	14.7	38.8	49.5	54.0	-4.5	Ave	360	H	1.43
2440.824	104.5	29.5	4.2	41.0	97.2	114.0	-16.8	Peak	194	V	1.00
2440.824	75.8	29.5	4.2	41.0	68.5	114.0	-45.5	Ave	194	V	1.00
4881.810	57.0	33.3	6.3	41.4	55.2	74.0	-18.8	Peak	0	V	1.00
4881.810	46.2	33.3	6.3	41.4	44.4	54.0	-9.6	Ave	0	V	1.00
7322.630	48.4	37.1	8.6	39.2	54.9	74.0	-19.1	Peak	194	V	1.00
7322.630	27.7	37.1	8.6	39.2	34.2	54.0	-19.8	Ave	194	V	1.00
9763.460	47.4	37.9	10.2	37.1	58.4	74.0	-15.6	Peak	360	V	1.00
9763.460	26.2	37.9	10.2	37.1	37.2	54.0	-16.8	Ave	360	V	1.00
12204.280	46.9	40.3	11.2	37.9	60.5	74.0	-13.5	Peak	194	V	1.00
12204.280	26.1	40.3	11.2	37.9	39.7	54.0	-14.3	Ave	194	V	1.00
14645.100	51.2	41.8	13.8	40.2	66.6	74.0	-7.4	Peak	0	V	1.00
14645.100	31.2	41.8	13.8	40.2	46.6	54.0	-7.4	Ave	0	V	1.00
17085.930	51.8	42.5	14.7	38.8	70.2	74.0	-3.8	Peak	194	V	1.00
17085.930	31.0	42.5	14.7	38.8	49.4	54.0	-4.6	Ave	194	V	1.00

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date: 9 Feb 2010	Specification
Customer:	Celio Technology Corporation		[X] 15.209
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion Middle Channel - Z-Axis		

Note 1: GF = Ground Floor = If Y reading was at ground floor, If N reading was identifiable signal
 Note 2: Limit listed is the general limit as specified in 15.209 in order to show compliance with the restricted bands of operation as well as the out of band limit in 15.247. No other identifiable signals were observed in the restricted bands as specified in 15.205.
 Note3: Highest frequency investigated was the tenth harmonic of the fundamental, no emissions were detected above the 3rd harmonic. Only data to the 7th harmonic has been provided.
 Note 4: For peak readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be equal to or greater than the Resolution Bandwidth.
 Note 5: For average readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be 10Hz.

FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions			G F	
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	Tbl	Pl		
2440.819	91.5	29.5	4.2	41.0	84.2	114.0	-29.8	Peak	160	V	1.00	N
2440.819	70.0	29.5	4.2	41.0	62.7	114.0	-51.3	Ave	160	V	1.00	N
4881.640	52.7	33.3	6.3	41.4	50.9	74.0	-23.1	Peak	0	V	1.00	Y
4881.640	41.6	33.3	6.3	41.4	39.8	54.0	-14.2	Ave	0	V	1.00	Y
7322.460	49.1	37.1	8.6	39.2	55.6	74.0	-18.4	Peak	160	V	1.00	Y
7322.460	26.5	37.1	8.6	39.2	33.0	54.0	-21.0	Ave	160	V	1.00	Y
9763.280	52.7	37.9	10.2	37.1	63.7	74.0	-10.3	Peak	360	V	1.00	Y
9763.280	32.8	37.9	10.2	37.1	43.8	54.0	-10.2	Ave	360	V	1.00	Y
12204.100	45.2	40.3	11.2	37.9	58.8	74.0	-15.2	Peak	160	V	1.00	Y
12204.100	26.6	40.3	11.2	37.9	40.2	54.0	-13.8	Ave	160	V	1.00	Y
14644.910	50.5	41.8	13.8	40.2	65.9	74.0	-8.1	Peak	0	V	1.00	Y
14644.910	30.7	41.8	13.8	40.2	46.1	54.0	-7.9	Ave	0	V	1.00	Y
17085.730	50.8	42.5	14.7	38.8	69.2	74.0	-4.8	Peak	160	V	1.00	Y
17085.730	31.3	42.5	14.7	38.8	49.7	54.0	-4.3	Ave	160	V	1.00	Y
2440.819	94.2	29.5	4.2	41.0	86.9	114.0	-27.1	Peak	239	H	1.45	N
2440.819	70.9	29.5	4.2	41.0	63.6	114.0	-50.4	Ave	239	H	1.45	N
4881.640	56.6	33.3	6.3	41.4	54.8	74.0	-19.2	Peak	360	H	1.45	Y
4881.640	45.1	33.3	6.3	41.4	43.3	54.0	-10.7	Ave	360	H	1.45	Y
7322.460	51.0	37.1	8.6	39.2	57.5	74.0	-16.5	Peak	239	H	1.45	Y
7322.460	30.2	37.1	8.6	39.2	36.7	54.0	-17.3	Ave	239	H	1.45	Y
9763.280	53.7	37.9	10.2	37.1	64.7	74.0	-9.3	Peak	0	H	1.45	Y
9763.280	32.6	37.9	10.2	37.1	43.6	54.0	-10.4	Ave	0	H	1.45	Y
12204.100	46.5	40.3	11.2	37.9	60.1	74.0	-13.9	Peak	239	H	1.45	Y
12204.100	26.5	40.3	11.2	37.9	40.1	54.0	-13.9	Ave	239	H	1.45	Y
14644.910	51.8	41.8	13.8	40.2	67.2	74.0	-6.8	Peak	360	H	1.45	Y
14644.910	31.0	41.8	13.8	40.2	46.4	54.0	-7.6	Ave	360	H	1.45	Y
17085.730	51.5	42.5	14.7	38.8	69.9	74.0	-4.1	Peak	239	H	1.45	Y
17085.730	31.0	42.5	14.7	38.8	49.4	54.0	-4.6	Ave	239	H	1.45	Y

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date: 9 Feb 2010	Specification
Customer:	Celio Technology Corporation		[X] 15.209
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion High Channel - X Axis		

Note 1: GF = Ground Floor = If Y reading was at ground floor, If N reading was identifiable signal
 Note 2: Limit listed is the general limit as specified in 15.209 in order to show compliance with the restricted bands of operation as well as the out of band limit in 15.247. No other identifiable signals were observed in the restricted bands as specified in 15.205.
 Note3: Highest frequency investigated was the tenth harmonic of the fundamental, no emissions were detected above the 4th harmonic. Only data to the 7th harmonic has been provided.
 Note 4: For peak readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be equal to or greater than the Resolution Bandwidth.
 Note 5: For average readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be 10Hz.

FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions			G F	
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	Tbl	Pl		
2479.779	91.5	29.6	4.3	41.0	84.4	114.0	-29.6	Peak	224	V	1.67	N
2479.779	70.2	29.6	4.3	41.0	63.1	114.0	-50.9	Ave	224	V	1.67	N
4959.770	52.7	33.6	6.4	41.4	51.3	74.0	-22.7	Peak	289	V	1.00	Y
4959.770	41.6	33.6	6.4	41.4	40.2	54.0	-13.8	Ave	289	V	1.00	Y
7439.550	49.1	37.0	8.9	38.9	56.1	74.0	-17.9	Peak	289	V	1.00	Y
7439.550	26.5	37.0	8.9	38.9	33.5	54.0	-20.5	Ave	289	V	1.00	Y
9919.330	52.7	38.0	10.3	37.2	63.8	74.0	-10.2	Peak	360	V	1.00	Y
9919.330	32.8	38.0	10.3	37.2	43.9	54.0	-10.1	Ave	360	V	1.00	Y
12399.110	45.2	40.8	11.7	37.6	60.1	74.0	-13.9	Peak	0	V	1.00	Y
12399.110	26.6	40.8	11.7	37.6	41.5	54.0	-12.5	Ave	0	V	1.00	Y
14878.890	50.5	42.1	13.6	40.0	66.2	74.0	-7.8	Peak	0	V	1.00	Y
14878.890	30.7	42.1	13.6	40.0	46.4	54.0	-7.6	Ave	0	V	1.00	Y
17358.670	50.8	43.0	14.6	38.5	69.9	74.0	-4.1	Peak	180	V	1.00	Y
17358.670	31.3	43.0	14.6	38.5	50.4	54.0	-3.6	Ave	180	V	1.00	Y
2479.779	94.2	29.6	4.3	41.0	87.1	114.0	-26.9	Peak	285	H	1.30	N
2479.779	70.9	29.6	4.3	41.0	63.8	114.0	-50.2	Ave	285	H	1.30	N
4959.770	56.6	33.6	6.4	41.4	55.2	74.0	-18.8	Peak	281	H	1.62	Y
4959.770	45.1	33.6	6.4	41.4	43.7	54.0	-10.3	Ave	281	H	1.62	Y
7439.550	51.0	37.0	8.9	38.9	58.0	74.0	-16.0	Peak	360	H	1.62	Y
7439.550	30.2	37.0	8.9	38.9	37.2	54.0	-16.8	Ave	360	H	1.62	Y
9919.330	53.7	38.0	10.3	37.2	64.8	74.0	-9.2	Peak	180	H	1.62	Y
9919.330	32.6	38.0	10.3	37.2	43.7	54.0	-10.3	Ave	180	H	1.62	Y
12399.110	46.5	40.8	11.7	37.6	61.4	74.0	-12.6	Peak	0	H	1.62	Y
12399.110	26.5	40.8	11.7	37.6	41.4	54.0	-12.6	Ave	0	H	1.62	Y
14878.890	51.8	42.1	13.6	40.0	67.5	74.0	-6.5	Peak	281	H	1.62	Y
14878.890	31.0	42.1	13.6	40.0	46.7	54.0	-7.3	Ave	281	H	1.62	Y
17358.670	51.5	43.0	14.6	38.5	70.6	74.0	-3.4	Peak	360	H	1.62	Y
17358.670	31.0	43.0	14.6	38.5	50.1	54.0	-3.9	Ave	360	H	1.62	Y

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date: 9 Feb 2010	Specification
Customer:	Celio Technology Corporation		[X] 15.209
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion High Channel - Y Axis		

Note 1: GF = Ground Floor = If Y reading was at ground floor, If N reading was identifiable signal

Note 2: Limit listed is the general limit as specified in 15.209 in order to show compliance with the restricted bands of operation as well as the out of band limit in 15.247. No other identifiable signals were observed in the restricted bands as specified in 15.205.

Note3: Highest frequency investigated was the tenth harmonic of the fundamental, no emissions were detected above the 4th harmonic. Only data to the 7th harmonic has been provided.

Note 4: For peak readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be equal to or greater than the Resolution Bandwidth.

Note 5: For average readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be 10Hz.

FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions			G F	
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	Tbl	Pl	Hgt	
2479.940	104.2	29.6	4.3	41.0	97.1	114.0	-16.9	Peak	221	V	1.17	N
2479.940	80.9	29.6	4.3	41.0	73.8	114.0	-40.2	Ave	221	V	1.17	N
4960.010	56.6	33.6	6.4	41.4	55.2	74.0	-18.8	Peak	360	V	1.17	Y
4960.010	45.1	33.6	6.4	41.4	43.7	54.0	-10.3	Ave	360	V	1.17	Y
7439.950	51.0	37.0	8.9	38.9	58.0	74.0	-16.0	Peak	221	V	1.17	Y
7439.950	30.2	37.0	8.9	38.9	37.2	54.0	-16.8	Ave	221	V	1.17	Y
9919.890	53.7	38.0	10.3	37.2	64.8	74.0	-9.2	Peak	0	V	1.17	Y
9919.890	32.6	38.0	10.3	37.2	43.7	54.0	-10.3	Ave	0	V	1.17	Y
12399.830	46.5	40.8	11.7	37.6	61.4	74.0	-12.6	Peak	221	V	1.17	Y
12399.830	26.5	40.8	11.7	37.6	41.4	54.0	-12.6	Ave	221	V	1.17	Y
14879.770	51.8	42.1	13.6	40.0	67.5	74.0	-6.5	Peak	360	V	1.17	Y
14879.770	31.0	42.1	13.6	40.0	46.7	54.0	-7.3	Ave	360	V	1.17	Y
17359.710	51.5	43.0	14.6	38.5	70.6	74.0	-3.4	Peak	221	V	1.17	Y
17359.710	31.0	43.0	14.6	38.5	50.1	54.0	-3.9	Ave	221	V	1.17	Y
2479.940	101.5	29.6	4.3	41.0	94.4	114.0	-19.6	Peak	270	H	1.41	N
2479.940	80.0	29.6	4.3	41.0	72.9	114.0	-41.1	Ave	270	H	1.41	N
4960.010	52.7	33.6	6.4	41.4	51.3	74.0	-22.7	Peak	270	H	1.41	Y
4960.010	41.6	33.6	6.4	41.4	40.2	54.0	-13.8	Ave	270	H	1.41	Y
7439.950	49.1	37.0	8.9	38.9	56.1	74.0	-17.9	Peak	360	H	1.41	Y
7439.950	26.5	37.0	8.9	38.9	33.5	54.0	-20.5	Ave	360	H	1.41	Y
9919.890	52.7	38.0	10.3	37.2	63.8	74.0	-10.2	Peak	270	H	1.41	Y
9919.890	32.8	38.0	10.3	37.2	43.9	54.0	-10.1	Ave	270	H	1.41	Y
12399.830	45.2	40.8	11.7	37.6	60.1	74.0	-13.9	Peak	0	H	1.41	Y
12399.830	26.6	40.8	11.7	37.6	41.5	54.0	-12.5	Ave	0	H	1.41	Y
14879.770	50.5	42.1	13.6	40.0	66.2	74.0	-7.8	Peak	270	H	1.41	Y
14879.770	30.7	42.1	13.6	40.0	46.4	54.0	-7.6	Ave	270	H	1.41	Y
17359.710	50.8	43.0	14.6	38.5	69.9	74.0	-4.1	Peak	360	H	1.41	Y
17359.710	31.3	43.0	14.6	38.5	50.4	54.0	-3.6	Ave	360	H	1.41	Y

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Radiated Emissions (Spurious)	
DNB Job Number:	06027	Date: 9 Feb 2010	Specification [X] 15.209
Customer:	Celio Technology Corporation		
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion High Channel - Z Axis		

Note 1: GF = Ground Floor = If Y reading was at ground floor, If N reading was identifiable signal
 Note 2: Limit listed is the general limit as specified in 15.209 in order to show compliance with the restricted bands of operation as well as the out of band limit in 15.247. No other identifiable signals were observed in the restricted bands as specified in 15.205.
 Note3: Highest frequency investigated was the tenth harmonic of the fundamental, no emissions were detected above the 4th harmonic. Only data to the 7th harmonic has been provided.
 Note 4: For peak readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be equal to or greater than the Resolution Bandwidth.
 Note 5: For average readings above 1000MHz the Resolution Bandwidth shall be 1MHz and the Video Bandwidth shall be 10Hz.

FREQ (Mhz)	Meter	Correction Factors (dB)			dBuV/m			Positions			G F
		Ant	Cbl	Amp	Corr	Lim	Delta	Typ	Tbl	Pl	
2479.940	91.6	29.6	4.3	41.0	84.5	114.0	-29.5	Peak	246	H	1.73
2479.940	68.8	29.6	4.3	41.0	61.7	114.0	-52.3	Ave	246	H	1.73
4960.010	52.7	33.6	6.4	41.4	51.3	74.0	-22.7	Peak	360	H	1.73
4960.010	41.9	33.6	6.4	41.4	40.5	54.0	-13.5	Ave	360	H	1.73
7439.950	46.5	37.0	8.9	38.9	53.5	74.0	-20.5	Peak	246	H	1.73
7439.950	25.9	37.0	8.9	38.9	32.9	54.0	-21.1	Ave	246	H	1.73
9919.890	45.7	38.0	10.3	37.2	56.8	74.0	-17.2	Peak	0	H	1.00
9919.890	25.8	38.0	10.3	37.2	36.9	54.0	-17.1	Ave	0	H	1.00
12399.830	45.7	40.8	11.7	37.6	60.6	74.0	-13.4	Peak	246	H	1.73
12399.830	26.0	40.8	11.7	37.6	40.9	54.0	-13.1	Ave	246	H	1.73
14879.770	51.0	42.1	13.6	40.0	66.7	74.0	-7.3	Peak	360	H	1.73
14879.770	30.8	42.1	13.6	40.0	46.5	54.0	-7.5	Ave	360	H	1.73
17359.710	50.2	43.0	14.6	38.5	69.3	74.0	-4.7	Peak	246	H	1.73
17359.710	31.1	43.0	14.6	38.5	50.2	54.0	-3.8	Ave	246	H	1.73
2479.940	94.5	29.6	4.3	41.0	87.4	114.0	-26.6	Peak	266	V	1.54
2479.940	65.8	29.6	4.3	41.0	58.7	114.0	-55.3	Ave	266	V	1.54
4960.010	57.0	33.6	6.4	41.4	55.6	74.0	-18.4	Peak	360	V	1.54
4960.010	46.2	33.6	6.4	41.4	44.8	54.0	-9.2	Ave	360	V	1.54
7439.950	48.4	37.0	8.9	38.9	55.4	74.0	-18.6	Peak	266	V	1.54
7439.950	27.7	37.0	8.9	38.9	34.7	54.0	-19.3	Ave	266	V	1.54
9919.890	47.4	38.0	10.3	37.2	58.5	74.0	-15.5	Peak	0	V	1.54
9919.890	26.2	38.0	10.3	37.2	37.3	54.0	-16.7	Ave	0	V	1.54
12399.830	46.9	40.8	11.7	37.6	61.8	74.0	-12.2	Peak	266	V	1.00
12399.830	26.1	40.8	11.7	37.6	41.0	54.0	-13.0	Ave	266	V	1.00
14879.770	51.2	42.1	13.6	40.0	66.9	74.0	-7.1	Peak	360	V	1.00
14879.770	31.2	42.1	13.6	40.0	46.9	54.0	-7.1	Ave	360	V	1.00
17359.710	51.8	43.0	14.6	38.5	70.9	74.0	-3.1	Peak	266	V	1.54
17359.710	31.0	43.0	14.6	38.5	50.1	54.0	-3.9	Ave	266	V	1.54

15.247 (a,1) Channel Separation

Test Procedure:

Carrier Frequency Separation

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:
Span = wide enough to capture the peaks of two adjacent channels

Resolution (or IF) Bandwidth (RBW) 1% of the span

Video (or Average) Bandwidth (VBW) RBW

Sweep = auto

Detector function = peak

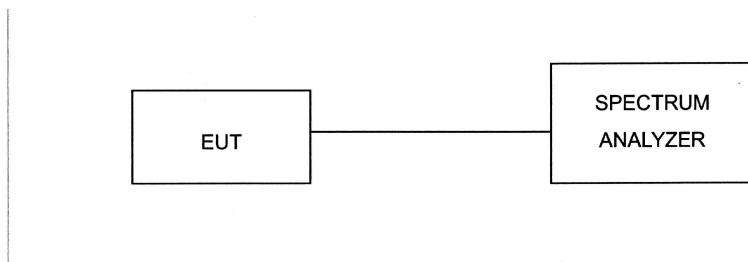
Trace = max hold

Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section. Submit this plot.

EUT operating conditions:

The software provided by the client to enable the EUT to transmit continuously.

Test Set Up: (Note following set up was used for all antenna conducted measurements)



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Measurement Test Set Up		
DNB Job Number:	06027	Date:	15 Aug 2008	
Customer:	Celio Technology Corporation		Conformance Standard FCC Part 15	
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			
Description:	Smart Phone Companion		Clause 15.247	
Antenna Conducted Measurement Set Up				



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	20 dB Single Channel Bandwidth	
DNB Job Number:	06027	Date:	28 Oct 2009
Customer:	Celio Technology Corporation		
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion		
	Test Procedure		
Environmental Conditions			
Ambient Temperature	Relative Humidity	Barometric Pressure	
20°C	32 %	101.8 kPa	
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>			

20 dB Bandwidth

Use the following spectrum analyzer settings:

Span = approximately 2 to 3 times the 20 dB bandwidth, centered on a hopping channel

RBW 1% of the 20 dB bandwidth

VBW RBW

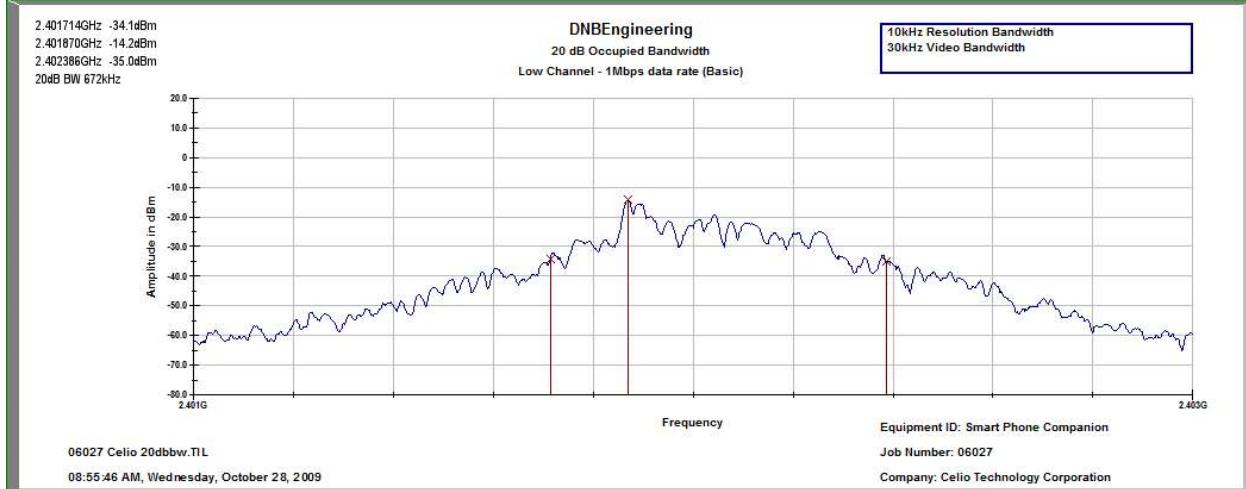
Sweep = auto

Detector function = peak

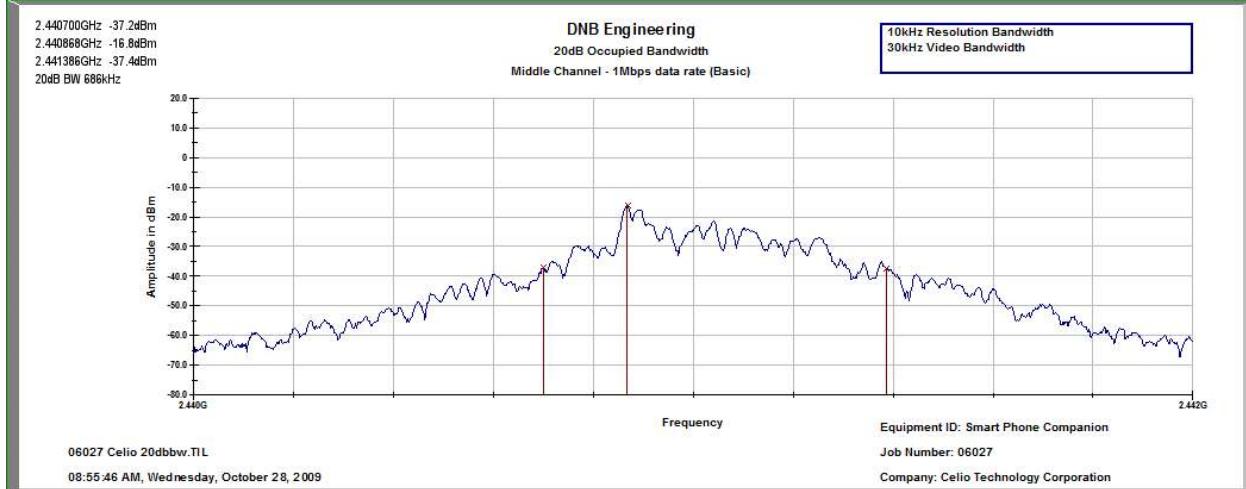
Trace = max hold

The EUT should be transmitting at its maximum data rate. Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. Use the marker-delta function to measure 20 dB down one side of the emission. Reset the marker-delta function, and move the marker to the other side of the emission, until it is (as close as possible to) even with the reference marker level. The marker-delta reading at this point is the 20 dB bandwidth of the emission. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

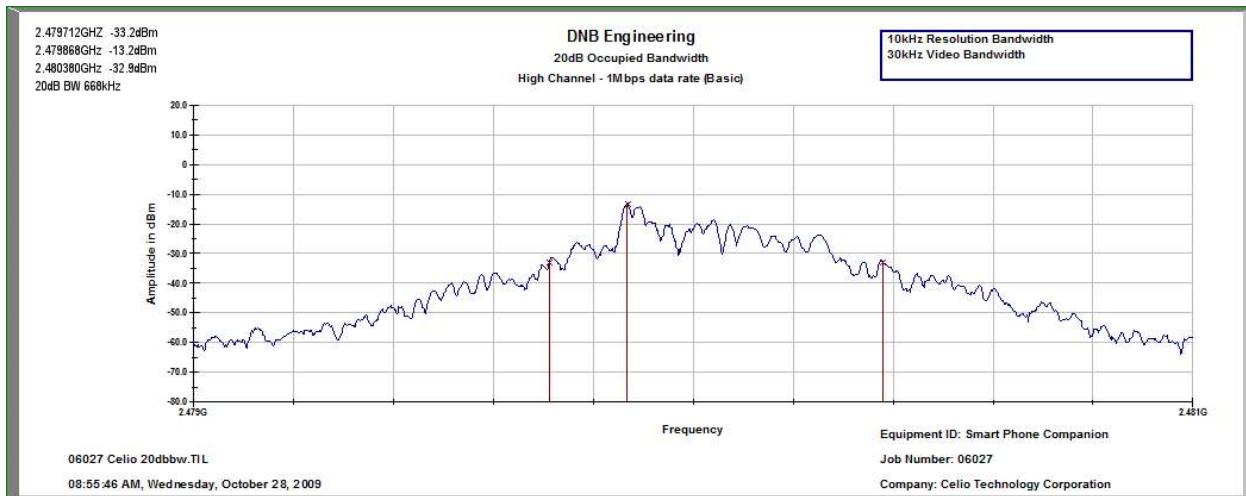
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		20 dB Single Channel Bandwidth	
DNB Job Number:	06027	Date:	28 Oct 2009	
Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			
Description:	Smart Phone Companion			Clause 15.247(a,1)
	1Mbps data rate (Basic data rate)			
Environmental Conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
20°C		32 %		101.8 kPa
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>				
Channel	Chl Freq (MHz)	20dB BW (kHz)	Limit	Pass/Fail
Low	2402	672	Not Applicable	Not Applicable



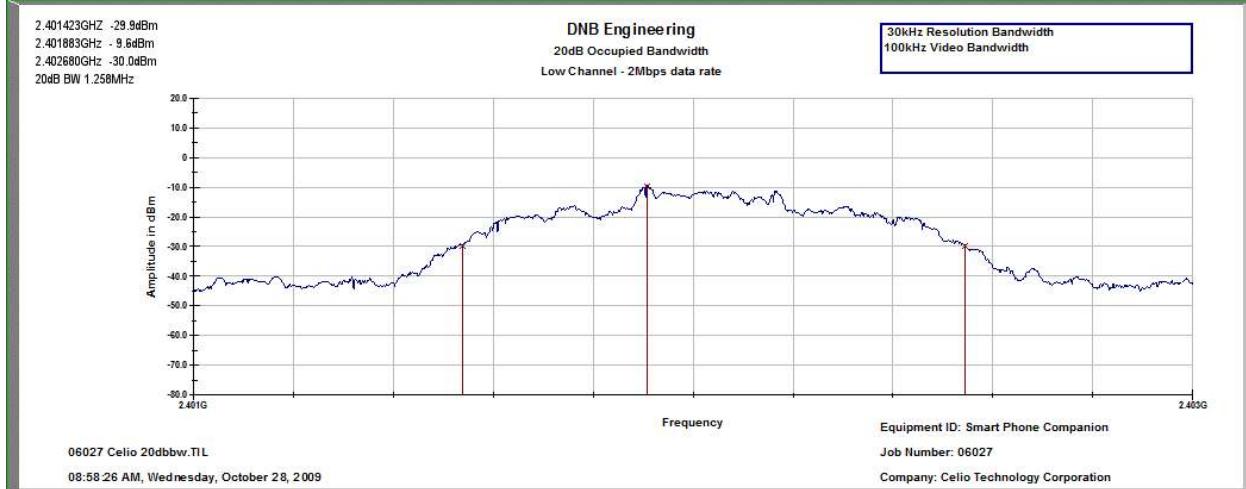
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	20 dB Single Channel Bandwidth		
DNB Job Number:	06027	Date:	28 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			FCC Part 15
Description:	Smart Phone Companion			Clause 15.247(a,1)
	1Mbps data rate (Basic data rate)			
Environmental Conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
20°C		32 %		101.8 kPa
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>				
Channel	Chl Freq (MHz)	20dB BW (kHz)	Limit	Pass/Fail
Middle	2441	686	Not Applicable	Not Applicable



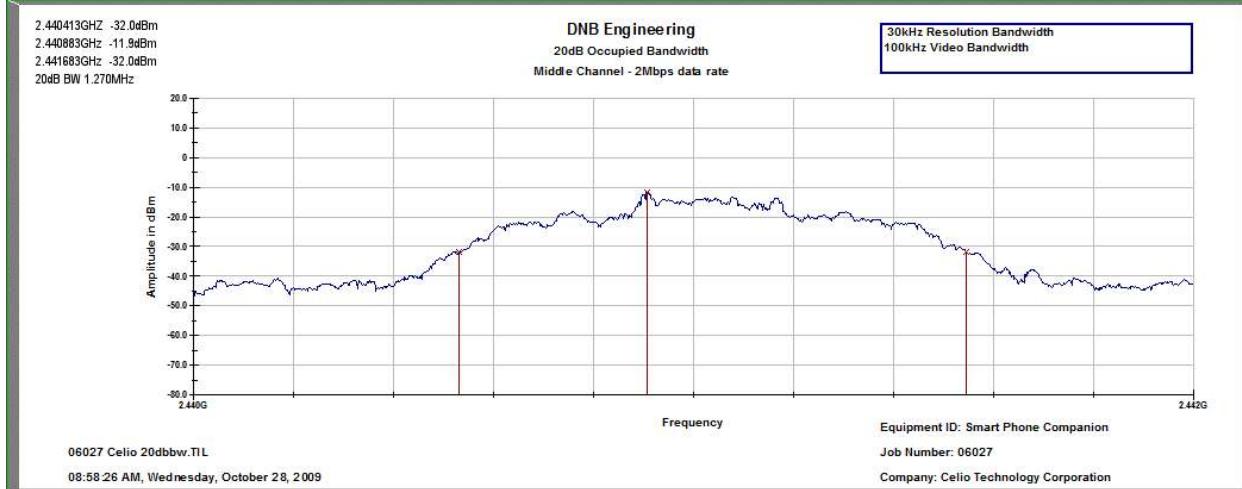
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	20 dB Single Channel Bandwidth		
DNB Job Number:	06027	Date:	28 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			FCC Part 15
Description:	Smart Phone Companion			Clause 15.247(a,1)
	1Mbps data rate (Basic data rate)			
Environmental Conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
20°C		32 %		101.8 kPa
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>				
Channel	Chl Freq (MHz)	20dB BW (kHz)	Limit	Pass/Fail
High	2480	668	Not Applicable	Not Applicable



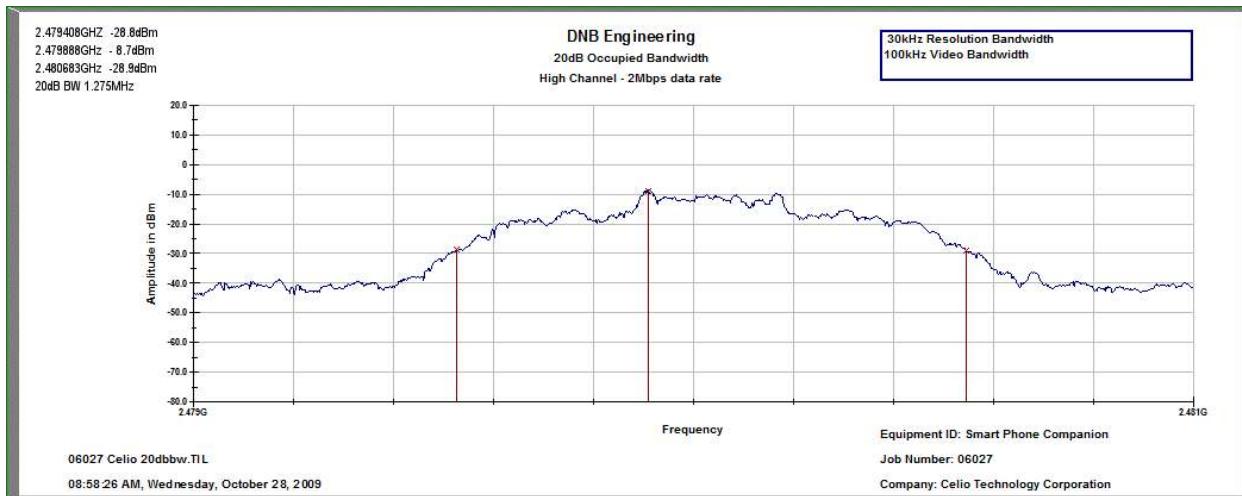
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		20 dB Single Channel Bandwidth	
DNB Job Number:	06027		Date: 28 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			FCC Part 15
Description:	Smart Phone Companion			Clause 15.247(a,1)
	2Mbps data rate			
Environmental Conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
20°C		32 %		101.8 kPa
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>				
Channel	Chl Freq (MHz)	20dB BW (kHz)	Limit	Pass/Fail
Low	2402	1258	Not Applicable	Not Applicable



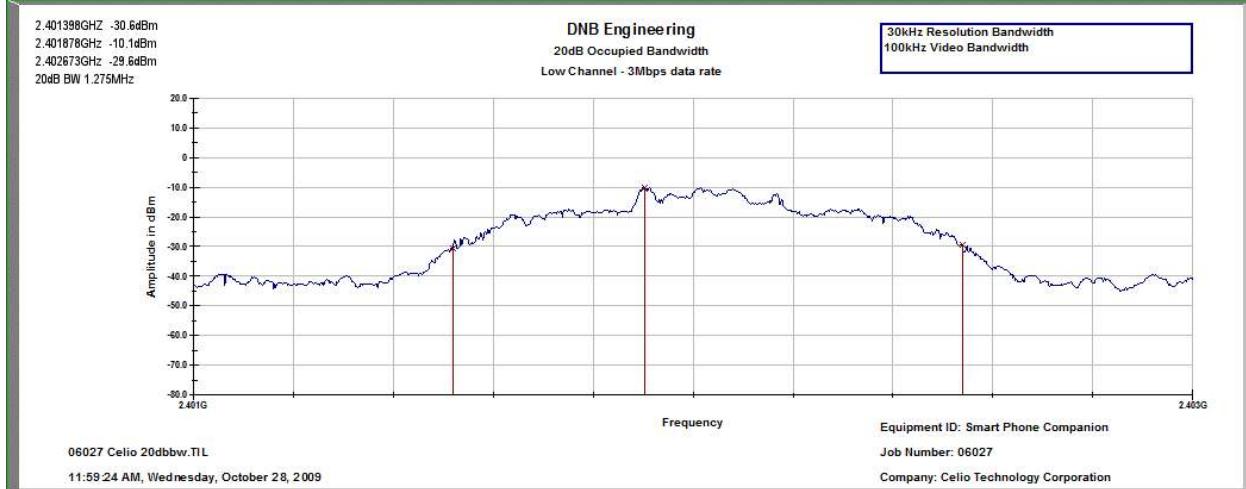
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		20 dB Single Channel Bandwidth	
DNB Job Number:	06027	Date:	28 Oct 2009	
Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			
Description:	Smart Phone Companion			Clause 15.247(a,1)
	2Mbps data rate			
Environmental Conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
20°C		32 %		101.8 kPa
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>				
Channel	Chl Freq (MHz)	20dB BW (kHz)	Limit	Pass/Fail
Middle	2441	1270	Not Applicable	Not Applicable



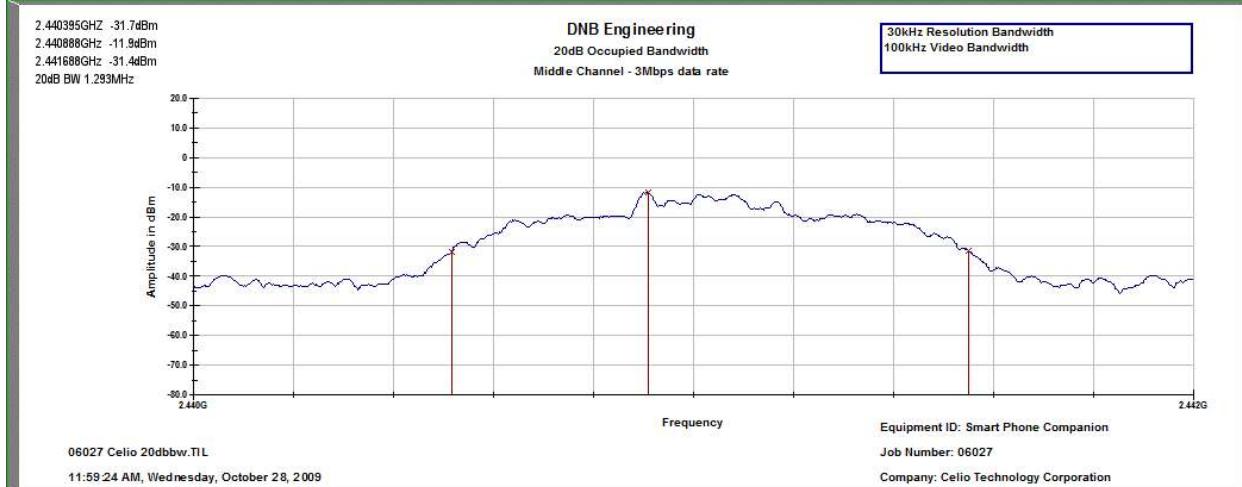
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	20 dB Single Channel Bandwidth		
DNB Job Number:	06027	Date:	28 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			FCC Part 15
Description:	Smart Phone Companion			Clause 15.247(a,1)
	2Mbps data rate			
Environmental Conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
20°C		32 %		101.8 kPa
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>				
Channel	Chl Freq (MHz)	20dB BW (kHz)	Limit	Pass/Fail
High	2480	1275	Not Applicable	Not Applicable



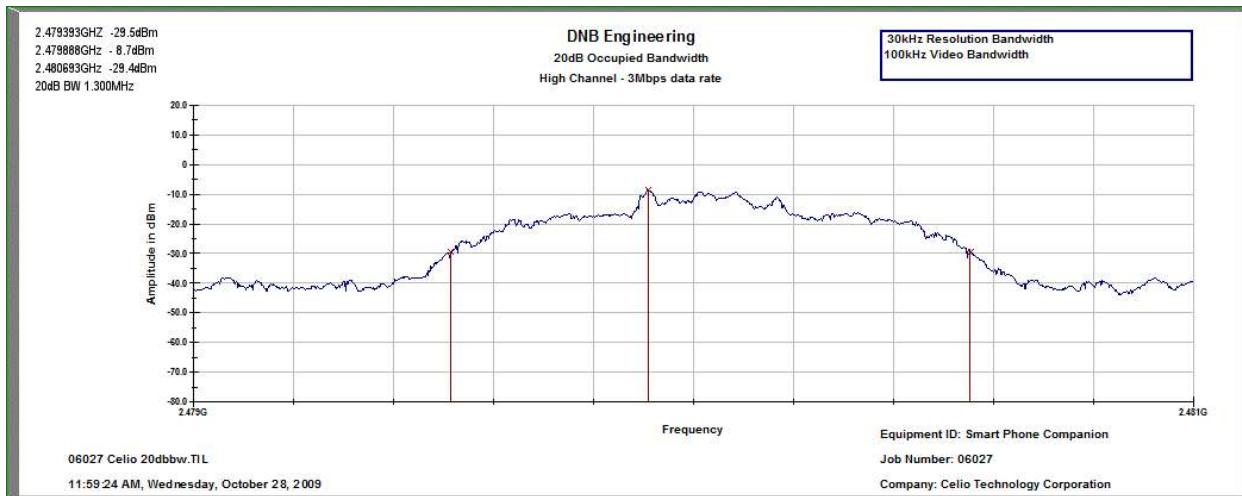
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	20 dB Single Channel Bandwidth		
DNB Job Number:	06027	Date:	28 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			FCC Part 15
Description:	Smart Phone Companion			Clause 15.247(a,1)
	3Mbps data rate			
Environmental Conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
20°C		32 %		101.8 kPa
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>				
Channel	Chl Freq (MHz)	20dB BW (kHz)	Limit	Pass/Fail
Low	2402	1275	Not Applicable	Not Applicable



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		20 dB Single Channel Bandwidth	
DNB Job Number:	06027		Date: 28 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			FCC Part 15
Description:	Smart Phone Companion			Clause 15.247(a,1)
	3Mbps data rate			
Environmental Conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
20°C		32 %		101.8 kPa
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>				
Channel	Chl Freq (MHz)	20dB BW (kHz)	Limit	Pass/Fail
Middle	2441	1293	Not Applicable	Not Applicable



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	20 dB Single Channel Bandwidth		
DNB Job Number:	06027	Date:	28 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			FCC Part 15
Description:	Smart Phone Companion			Clause 15.247(a,1)
	3Mbps data rate			
Environmental Conditions				
Ambient Temperature		Relative Humidity		Barometric Pressure
20°C		32 %		101.8 kPa
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>				
Channel	Chl Freq (MHz)	20dB BW (kHz)	Limit	Pass/Fail
High	2480	1300	Not Applicable	Not Applicable





1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

Channel Separation

DNB Job Number:	06027	Date:	29 Oct 2009	Conformance Standard	
Customer:	Celio Technology Corporation				
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		FCC Part 15		
Description:	Smart Phone Companion			Clause 15.247(a,1,iii)	
	Test Procedure				
Environmental Conditions					
Ambient Temperature	Relative Humidity		Barometric Pressure		
19 °C	28 %		101.2 kPa		
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>					

Carrier Frequency Separation

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:
Span = wide enough to capture the peaks of two adjacent channels

Resolution (or IF) Bandwidth (RBW) 1% of the span

Video (or Average) Bandwidth (VBW) RBW

Sweep = auto

Detector function = peak

Trace = max hold

Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section. Submit this plot.



1100 E Chalk Creek Road
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Channel Separation

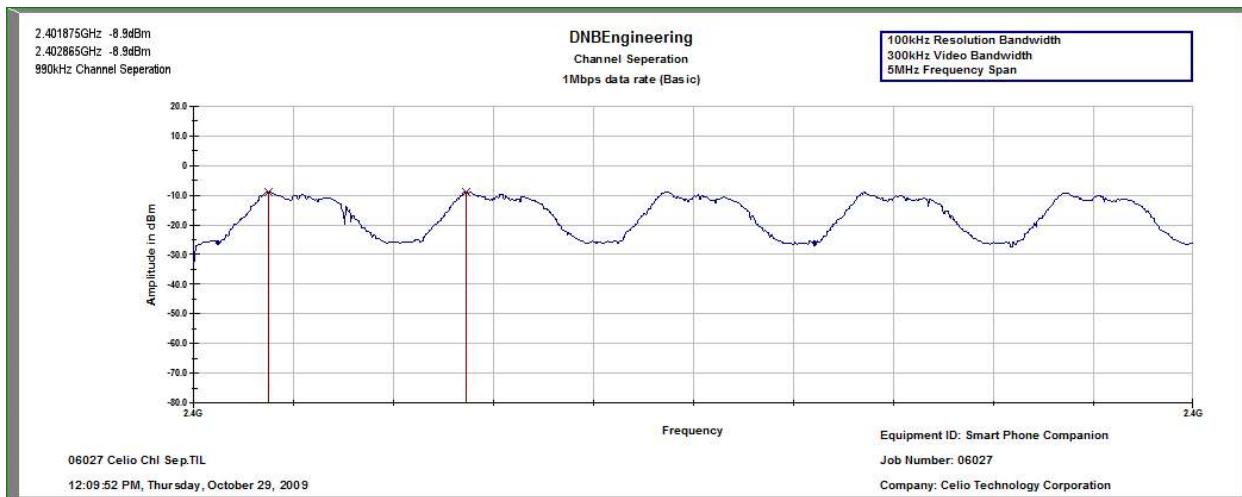
DNB Job Number:	06027	Date:	29 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			FCC Part 15
Description:	Smart Phone Companion		Clause 15.247(a,1,iii)	
	1Mbps data rate (Basic data rate)			

Environmental Conditions

Ambient Temperature	Relative Humidity	Barometric Pressure
19 °C	28 %	101.2 kPa

EUT performed within the requirements of the applicable standard Yes No *Les Payne*

Hopping Channel 1	Hopping Channel 2	Delta	Limit (2/3 the 20dB BW)	Pass/Fail
2.401875 GHz	2.4028650 GHz	990 kHz	458 kHz	Pass





1100 E Chalk Creek Road
Coalville, UT 84017
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Channel Separation

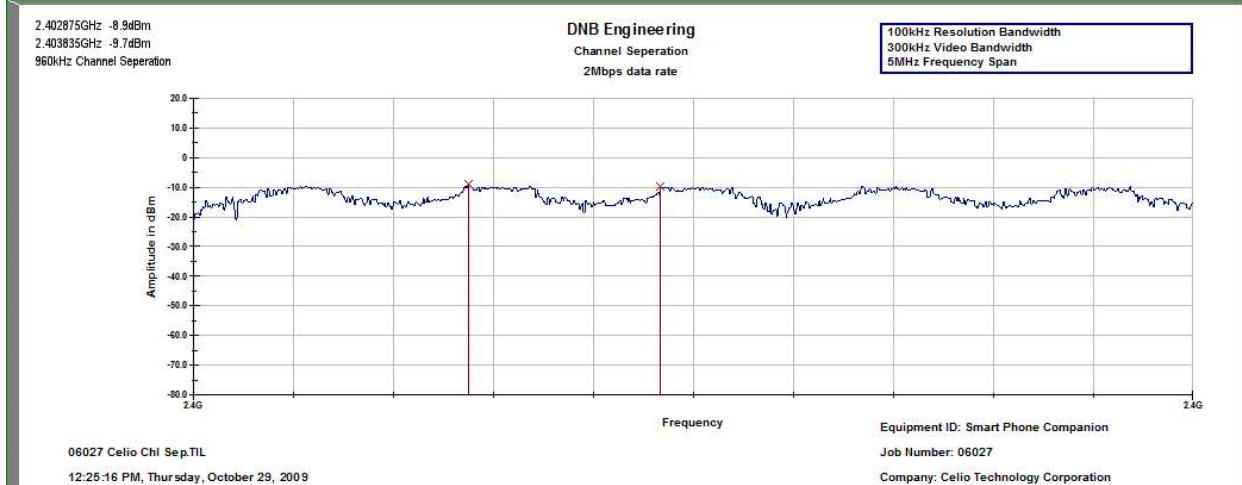
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Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			FCC Part 15
Description:	Smart Phone Companion		Clause 15.247(a,1,iii)	
	2Mbps data rate			

Environmental Conditions

Ambient Temperature	Relative Humidity	Barometric Pressure
19 °C	28 %	101.2 kPa

EUT performed within the requirements of the applicable standard Yes No *Les Payne*

Hopping Channel 1	Hopping Channel 2	Delta	Limit (2/3 the 20dB BW)	Pass/Fail
2.402875 GHz	2.403835 GHz	960 kHz	850 kHz	Pass





1100 E Chalk Creek Road
Coalville, UT 84017
(435) 336-4433
FAX (435) 336-4436

Channel Separation

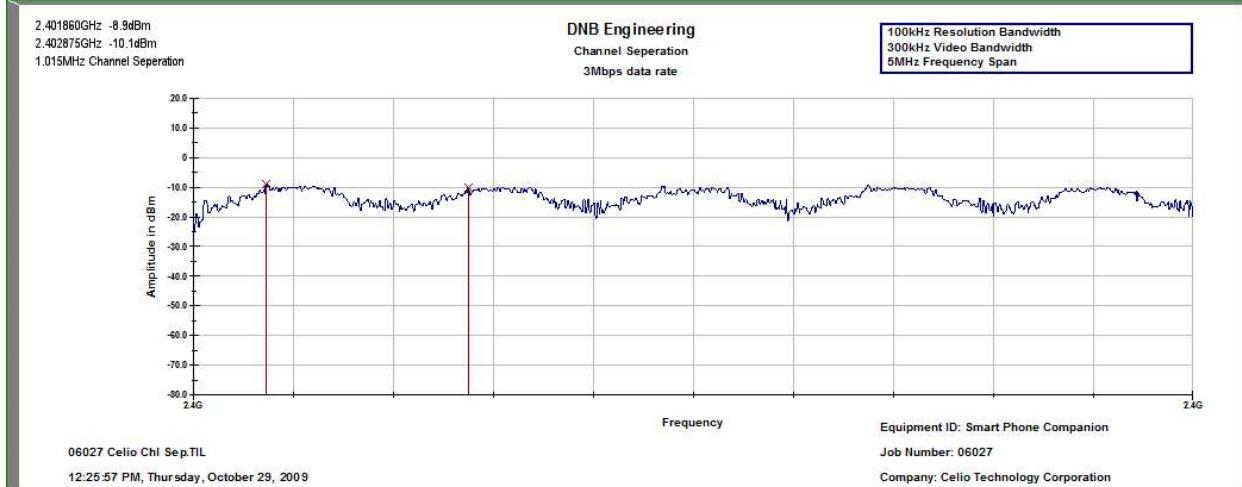
DNB Job Number:	06027	Date:	29 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation			
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)			FCC Part 15
Description:	Smart Phone Companion		Clause 15.247(a,1,iii)	
	3Mbps data rate			

Environmental Conditions

Ambient Temperature	Relative Humidity	Barometric Pressure
19 °C	28 %	101.2 kPa

EUT performed within the requirements of the applicable standard Yes No *Les Payne*

Hopping Channel 1	Hopping Channel 2	Delta	Limit (2/3 the 20dB BW)	Pass/Fail
2.401860 GHz	2.402875 GHz	1015 kHz	867 kHz	Pass



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		
Hopping Channels			
DNB Job Number:	06027	Date: 15 Aug 2008	Conformance Standard
Customer:	Celio Technology Corporation		
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		FCC Part 15
Description:	Smart Phone Companion		Clause 15.247(a,1,iii)
	Test Procedure		
Environmental Conditions			
Ambient Temperature	Relative Humidity	Barometric Pressure	
19 °C	28 %	101.8 kPa	
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>			

Number of Hopping Frequencies

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

Span = the frequency band of operation

RBW 1% of the span

VBW RBW

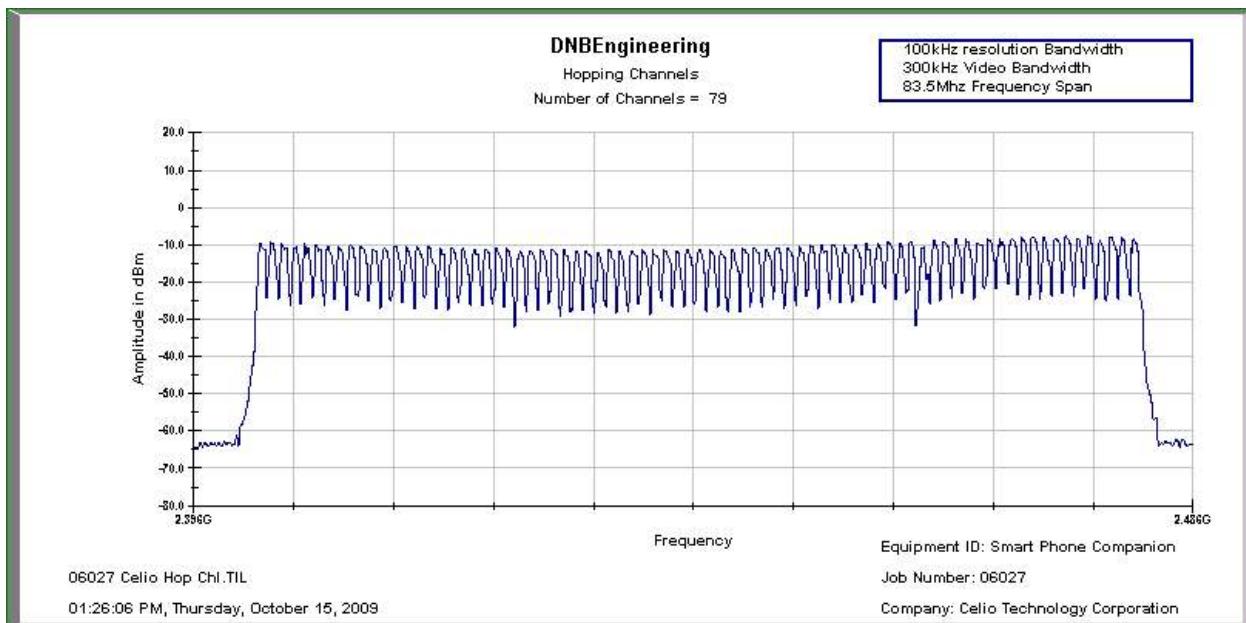
Sweep = auto

Detector function = peak

Trace = max hold

Allow the trace to stabilize. It may prove necessary to break the span up to sections, in order to clearly show all of the hopping frequencies. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Hopping Channels			
DNB Job Number:	06027	Date:	15 Oct 2009		
Customer:	Celio Technology Corporation				
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)				
Description:	Smart Phone Companion				
Environmental Conditions					
Ambient Temperature	Relative Humidity		Barometric Pressure		
19 °C	28 %		101.8 kPa		
EUT performed within the requirements of the applicable standard					
[X] Yes [] No					
Les Payne					
Center Frequency	Frequency Span	Hopping Channels	Min Limit		
2441.700 MHz	83.5 MHz	79	15		
Pass/Fail					
Pass					



	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436	Max Time on Channel Freq	
DNB Job Number:	06027	Date: 15 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation		
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		
Description:	Smart Phone Companion		
	Test Procedure		
Environmental Conditions			
Ambient Temperature	Relative Humidity	Barometric Pressure	
19 °C	28 %	101.8 kPa	
EUT performed within the requirements of the applicable standard <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>			

Time of Occupancy (Dwell Time)

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings: Span = zero span, centered on a hopping channel

RBW = 1 MHz

VBW = RBW

Sweep = as necessary to capture the entire dwell time per hopping channel

Detector function = peak

Trace = max hold

Trigger = video (positive trace)

If possible, use the marker-delta function to determine the dwell time. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s). An oscilloscope may be used instead of a spectrum analyzer.



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Max Time on Channel Freq

DNB Job Number:	06027	Date: 15 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation		
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		FCC Part 15
Description:	Smart Phone Companion		Clause 15.247(a,1,iii)
	1Mbps data rate (Basic data rate)		

Environmental Conditions

Ambient Temperature	Relative Humidity	Barometric Pressure
19 °C	28 %	101.8 kPa

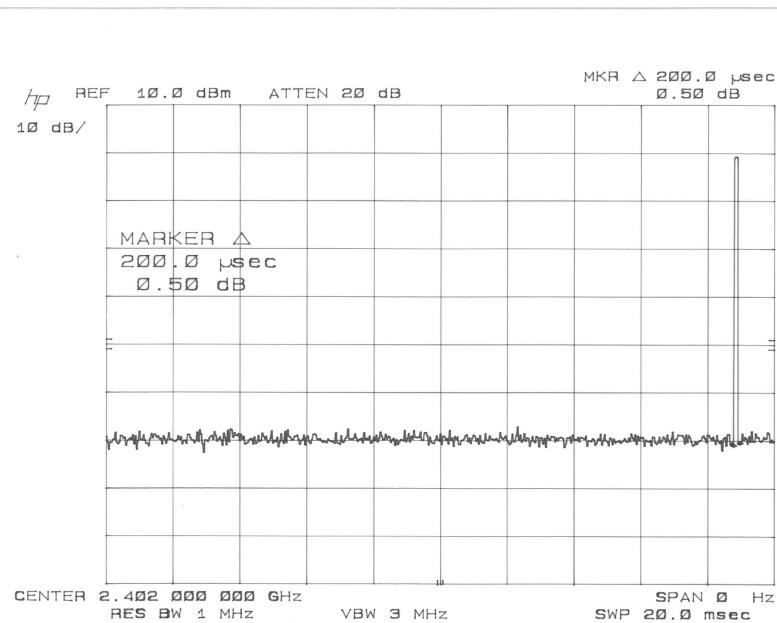
EUT performed within the requirements of the applicable standard Yes No *Les Payne*

Center Freq Chl	Pulse Duration	Time to Next Pulse	Calculated on time	Allowed On Time	Pass/Fail
2402MHz	0.000200 Sec	38.9 mSec	0.1625 sec	0.4sec in 31.6sec window	Pass

Single channel on time = 0.000200 sec = 0.200msec = 200usec

Calculated on time = 31600msec / 38.9msec * 0.200msec = 162.5msec = 0.1625 seconds

Limit is based upon 0.4seconds times number of hopping channels = 0.4 * 79 = 31.6sec





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Max Time on Channel Freq

DNB Job Number:	06027	Date: 15 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation		
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		FCC Part 15
Description:	Smart Phone Companion		Clause 15.247(a,1,iii)
	1Mbps data rate (Basic data rate)		

Environmental Conditions

Ambient Temperature	Relative Humidity	Barometric Pressure
19 °C	28 %	101.8 kPa

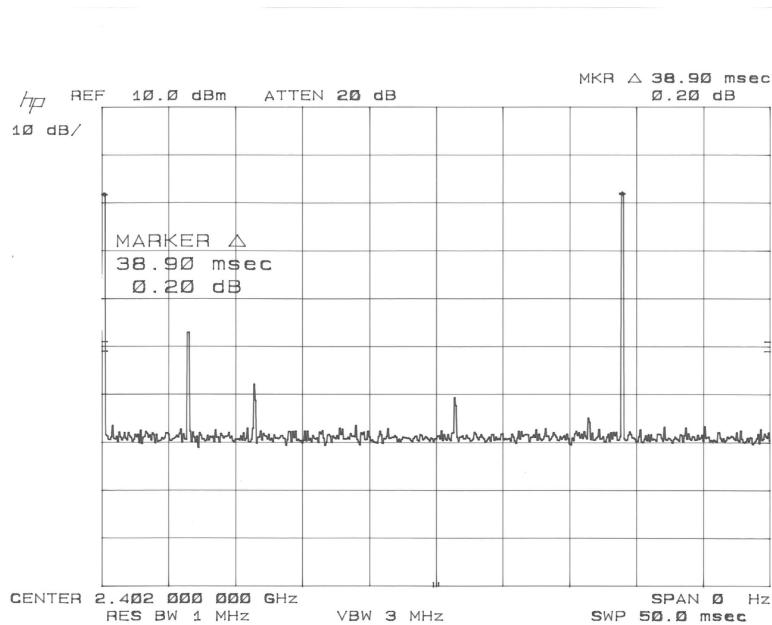
EUT performed within the requirements of the applicable standard Yes No *Les Payne*

Center Freq Chl	Pulse Duration	Time to Next Pulse	Calculated on time	Allowed On Time	Pass/Fail
2402MHz	0.000200 Sec	38.9 mSec	0.1625 sec	0.4sec in 31.6sec window	Pass

Single channel on time = 0.000200 sec = 0.200msec = 200usec

Calculated on time = 31600msec / 38.9msec * 0.200msec = 162.5msec = 0.1625 seconds

Limit is based upon 0.4seconds times number of hopping channels = 0.4 * 79 = 31.6sec





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Max Time on Channel Freq

DNB Job Number:	06027	Date: 15 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation		
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		FCC Part 15
Description:	Smart Phone Companion		Clause 15.247(a,1,iii)
	2Mbps data rate		

Environmental Conditions

Ambient Temperature	Relative Humidity	Barometric Pressure
19 °C	28 %	101.8 kPa

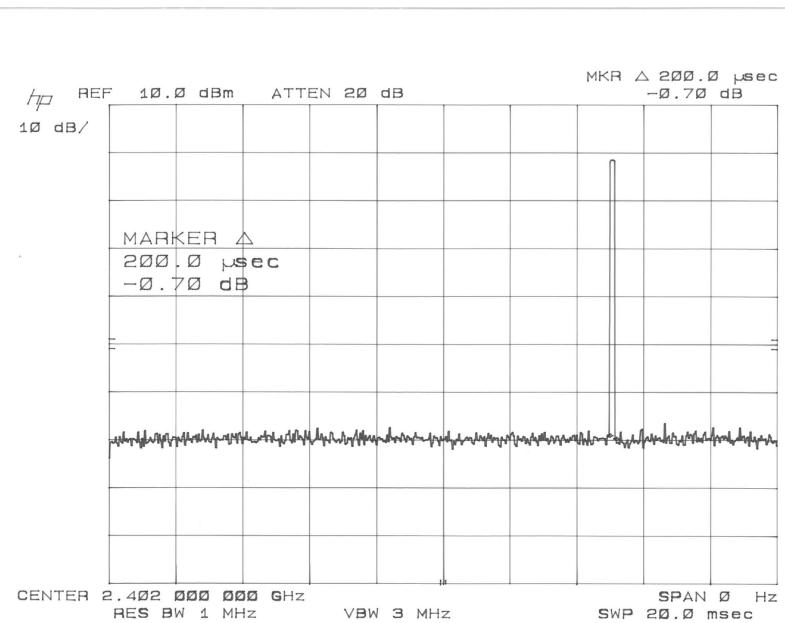
EUT performed within the requirements of the applicable standard Yes No *Les Payne*

Center Freq Chl	Pulse Duration	Time to Next Pulse	Calculated on time	Allowed On Time	Pass/Fail
2402MHz	0.000200 Sec	37.75 mSec	0.1674 sec	0.4sec in 31.6sec window	Pass

Single channel on time = 0.0002 sec = 0.2msec = 200usec

Calculated on time = 31600msec / 37.75msec * 0.2msec = 167.4msec = 0.1674 seconds

Limit is based upon 0.4seconds times number of hopping channels = 0.4 * 79 = 31.6sec





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Max Time on Channel Freq

DNB Job Number:	06027	Date: 15 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation		
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		FCC Part 15
Description:	Smart Phone Companion		Clause 15.247(a,1,iii)
	2Mbps data rate		

Environmental Conditions

Ambient Temperature	Relative Humidity	Barometric Pressure
19 °C	28 %	101.8 kPa

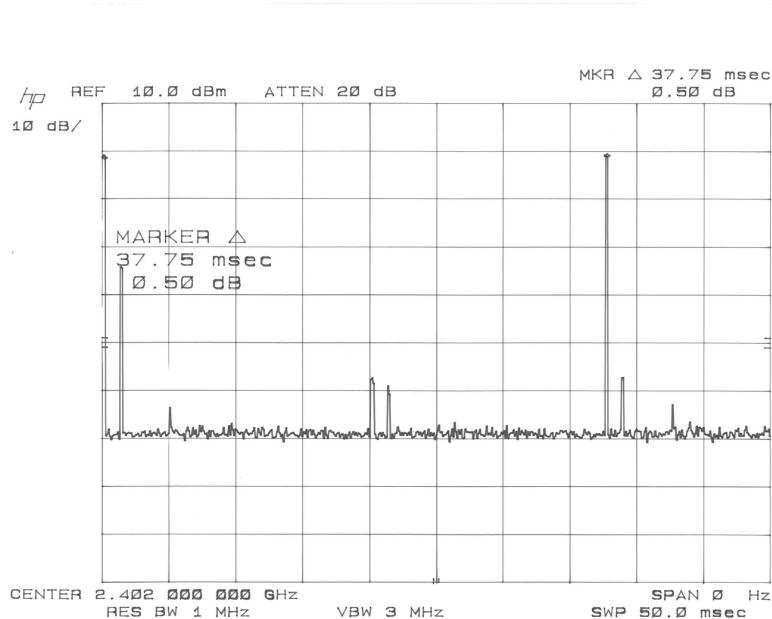
EUT performed within the requirements of the applicable standard Yes No *Les Payne*

Center Freq Chl	Pulse Duration	Time to Next Pulse	Calculated on time	Allowed On Time	Pass/Fail
2402MHz	0.000200 Sec	37.75 mSec	0.1674 sec	0.4sec in 31.6sec window	Pass

Single channel on time = 0.0002 sec = 0.2msec = 200usec

Calculated on time = 31600msec / 37.75msec * 0.2msec = 167.4msec = 0.1674 seconds

Limit is based upon 0.4seconds times number of hopping channels = 0.4 * 79 = 31.6sec





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Max Time on Channel Freq

DNB Job Number:	06027	Date: 15 Oct 2009	Conformance Standard
Customer:	Celio Technology Corporation		
Model Number:	CRF-C8N2/CRF-C8v (Inclusive of CRF-C7B)		FCC Part 15
Description:	Smart Phone Companion		Clause 15.247(a,1,iii)
	3Mbps data rate		

Environmental Conditions

Ambient Temperature	Relative Humidity	Barometric Pressure
19 °C	28 %	101.8 kPa

EUT performed within the requirements of the applicable standard Yes No *Les Payne*

Center Freq Chl	Pulse Duration	Time to Next Pulse	Calculated on time	Allowed On Time	Pass/Fail
2402MHz	0.000200 Sec	25.20 mSec	0.2508 sec	0.4sec in 31.6sec window	Pass

Single channel on time = 0.000200 sec = 0.200msec = 200usec

Calculated on time = 31600msec / 25.20msec * 0.2msec = 250.8msec = 0.2508 seconds

Limit is based upon 0.4seconds times number of hopping channels = 0.4 * 79 = 31.6sec

