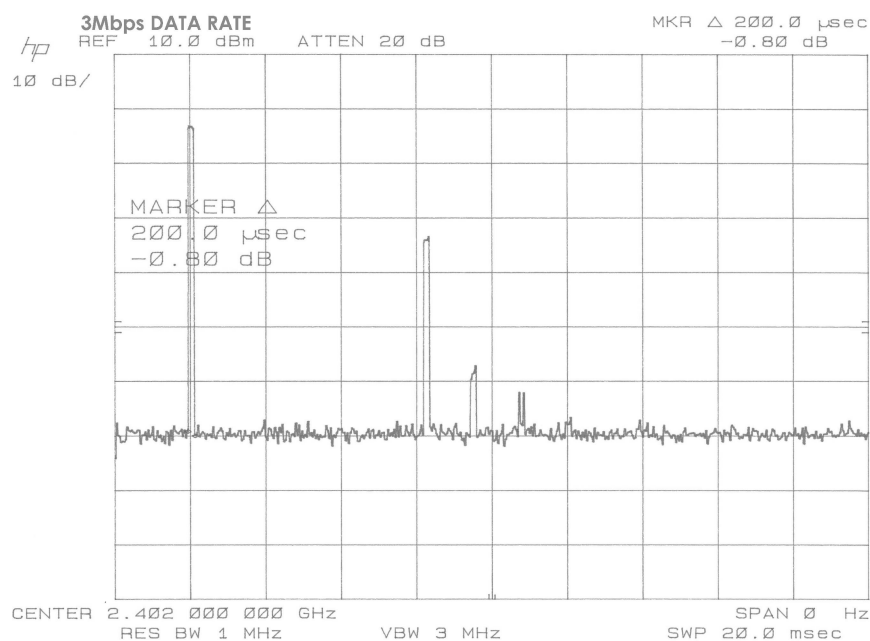

		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Max Time on Channel Freq</b>		
DNB Job Number:		96011		Date:	15 Aug 2008	<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation				
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)				
Description:		Smart Phone Companion				<b>Clause</b> 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    [X] Yes    [ ] No <i>Les Payne</i>						
Center Freq Chl	Pulse Duration	Time to Next Pulse	Calculated on time	Allowed On Time	Pass/Fail	
2402MHz	0.0002 Sec	30.15 mSec	0.2096 sec	0.4sec in 31.6sec window	Pass	

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

Calculated on time = 31600msec / 30.15msec \* 0.2msec = 209.6msec = 0.2096 seconds

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

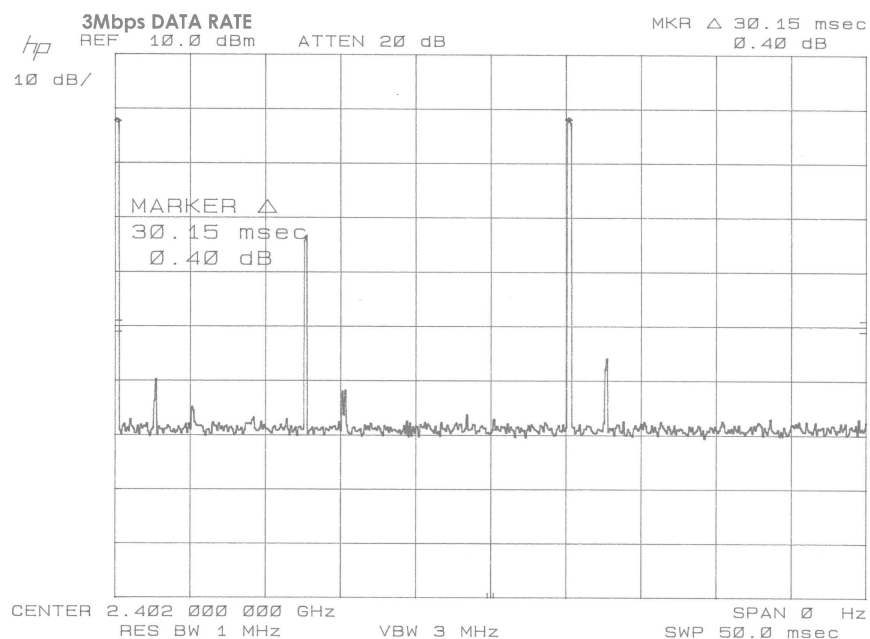


	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Max Time on Channel Freq</b>		
DNB Job Number:	96011	Date:	15 Aug 2008	<b>Conformance Standard</b>	
Customer:	Celio Technology Corporation				
Model Number:	REDFLY C8-N (Inclusive of REDFLY C7)			FCC Part 15	
Description:	Smart Phone Companion			<b>Clause</b> 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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>Les Payne</i>					
Center Freq Chl	Pulse Duration	Time to Next Pulse	Calculated on time	Allowed On Time	Pass/Fail
2402MHz	0.0002 Sec	30.15 mSec	0.2096 sec	0.4sec in 31.6sec window	Pass

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

Calculated on time = 31600msec / 30.15msec \* 0.2msec = 209.6msec = 0.2096 seconds

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



## 15.247 (b,2) Maximum Peak Output Power (Conducted)

Test Procedure:

### **Peak Output Power**

Use the following spectrum analyzer settings:

Span = approximately 5 times the 20 dB bandwidth, centered on a hopping channel

RBW > the 20 dB bandwidth of the emission being measured

VBW RBW

Sweep = auto

Detector function = peak

Trace = max hold

Allow the trace to stabilize. Use the marker-to-peak function to set the marker to the peak of the emission. The indicated level is the peak output power (see the NOTE above regarding external attenuation and cable loss). The limit is specified in one of the subparagraphs of this Section. Submit this plot. A peak responding power meter may be used instead of a spectrum analyzer.

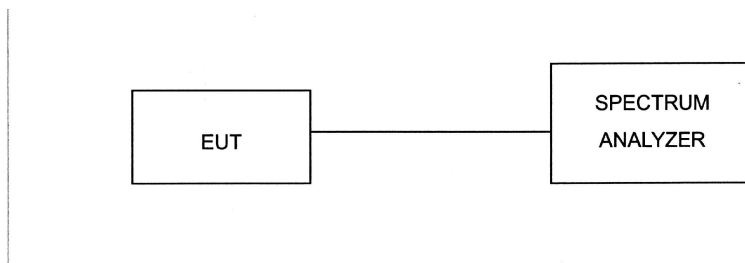
The transmitter output was connected to a spectrum analyzer.


Requirement: The maximum peak output power shall not exceed .125W (21dBm)

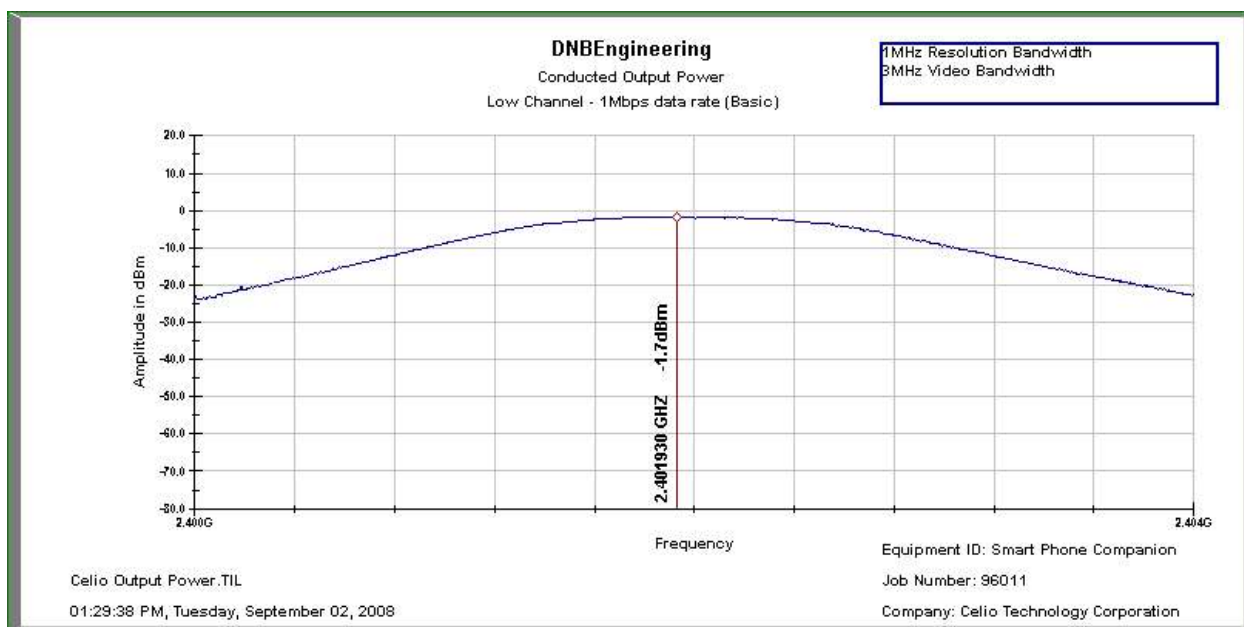
EUT operating conditions:


The software provided by the client to enable the EUT to transmit continuously at the low, mid, and upper channels respectively.

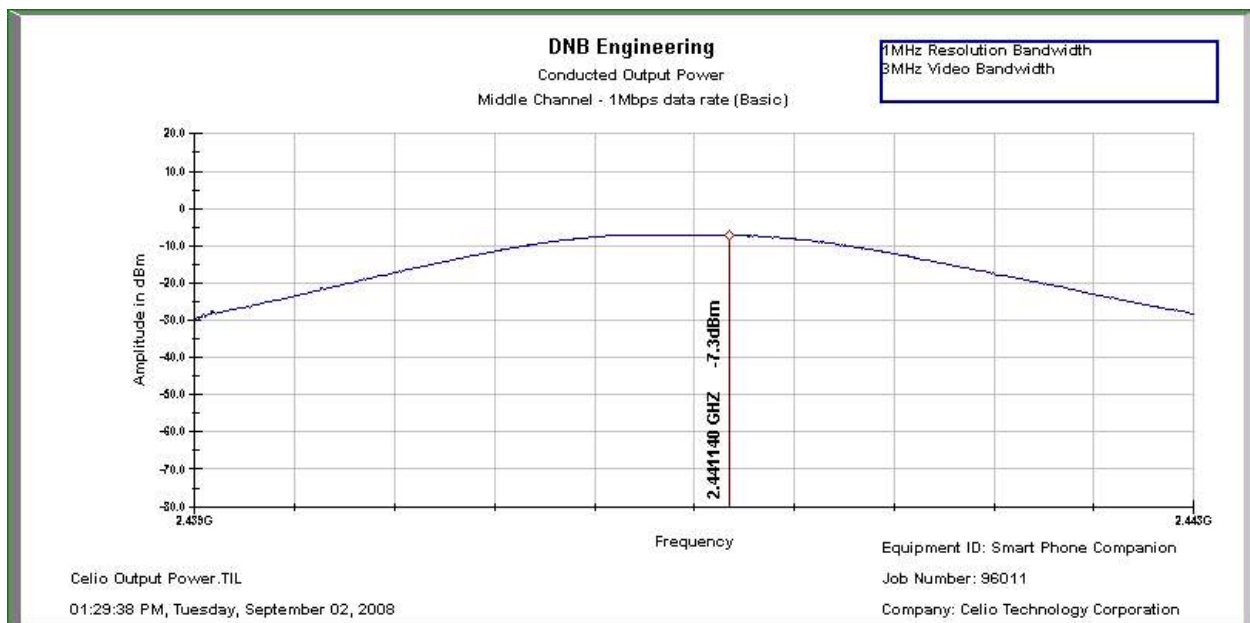
Test Set Up:




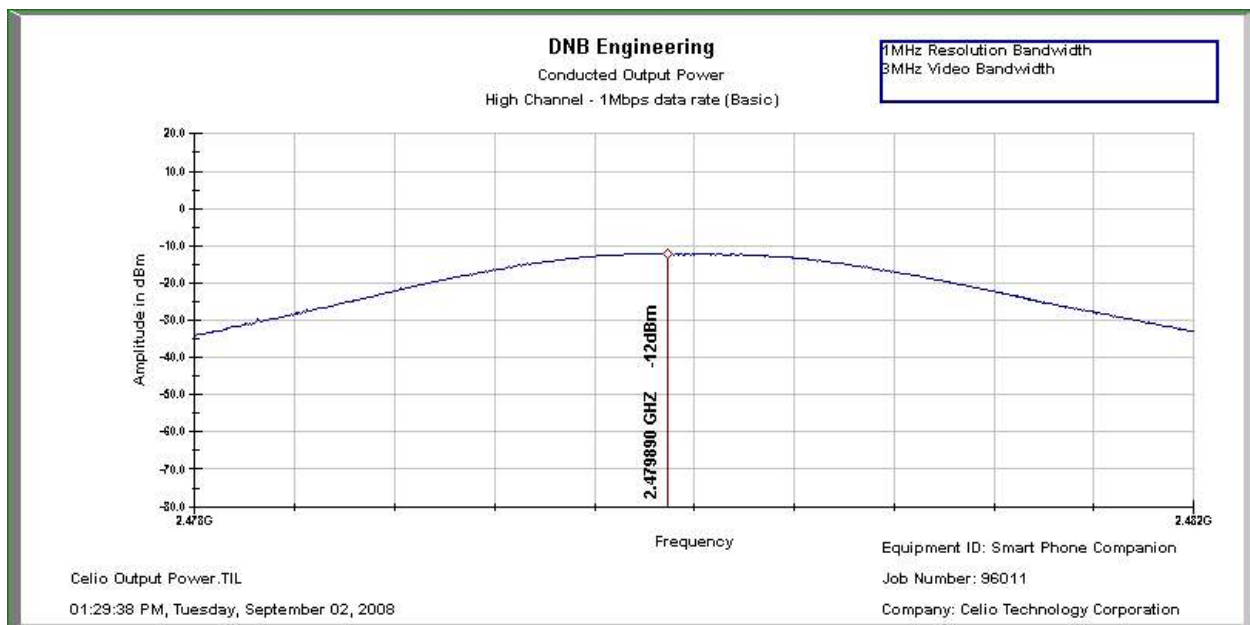
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Peak Output Power (Cond)</b>				
DNB Job Number:	96011	Date:	2 Sep 2008		<b>Conformance Standard</b>  FCC Part 15		
Customer:	Celio Technology Corporation						
Model Number:	REDFLY C8-N (Inclusive of REDFLY C7)						
Description:	Smart Phone Companion				<b>Clause</b> 15.247(b,1)		
	1Mbps data rate (Basic data rate) - Low Channel						
Environmental Conditions							
Ambient Temperature		Relative Humidity		Barometric Pressure			
21 °C		25 %		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>							
Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
2402	- 1.7	20.97	-22.67	0.676	125	-124.324	Pass




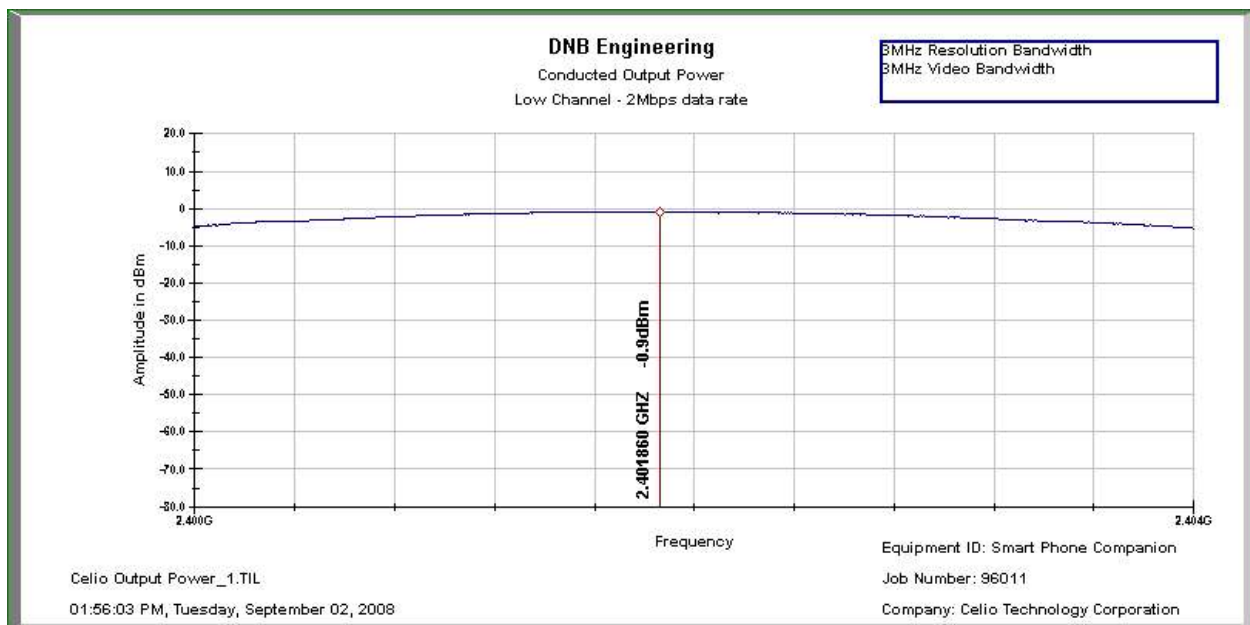
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Peak Output Power (Cond)</b>				
DNB Job Number:	96011	Date:	2 Sep 2008		<b>Conformance Standard</b>  FCC Part 15		
Customer:	Celio Technology Corporation						
Model Number:	REDFLY C8-N (Inclusive of REDFLY C7)						
Description:	Smart Phone Companion				<b>Clause</b> 15.247(b,1)		
	1Mbps data rate (Basic data rate) - Mid Channel						
Environmental Conditions							
Ambient Temperature		Relative Humidity		Barometric Pressure			
21 °C		25 %		101.2 kPa			
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>							
Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
2441	-7.3	20.97	-28.27	0.186	125	-124.814	Pass




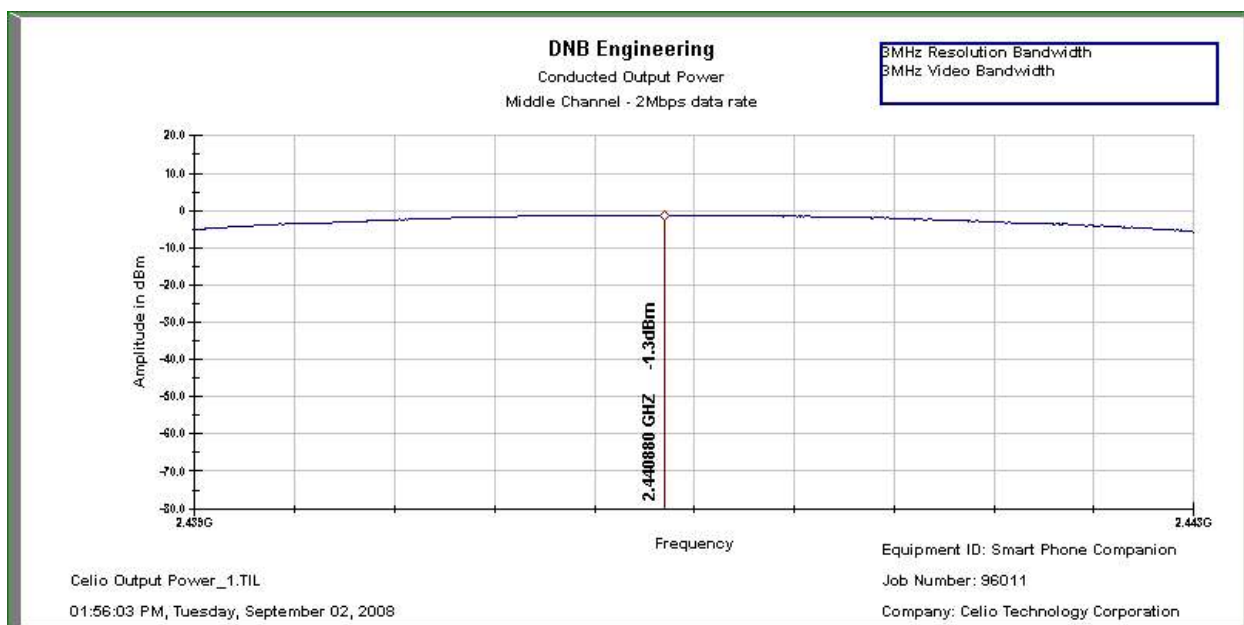
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Peak Output Power (Cond)</b>				
DNB Job Number:	96011		Date:	2 Sep 2008		<b>Conformance Standard</b>  FCC Part 15	
Customer:	Celio Technology Corporation						
Model Number:	REDFLY C8-N (Inclusive of REDFLY C7)						
Description:	Smart Phone Companion				<b>Clause</b> 15.247(b,1)		
	1Mbps data rate (Basic data rate) - High Channel						
Environmental Conditions							
Ambient Temperature		Relative Humidity		Barometric Pressure			
21 °C		25 %		101.2 kPa			
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>							
Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
2480	-12.0	20.97	-32.97	0.063	125	-124.937	Pass




		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Peak Output Power (Cond)</b>				
DNB Job Number:		96011		Date:		2 Sep 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(b,1)
		2Mbps data rate - Low Channel						
Environmental Conditions								
Ambient Temperature			Relative Humidity			Barometric Pressure		
21 °C			25 %			101.2 kPa		
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>								
Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail	
2402	-0.90	20.97	-21.87	0.813	125	-124.187	Pass	

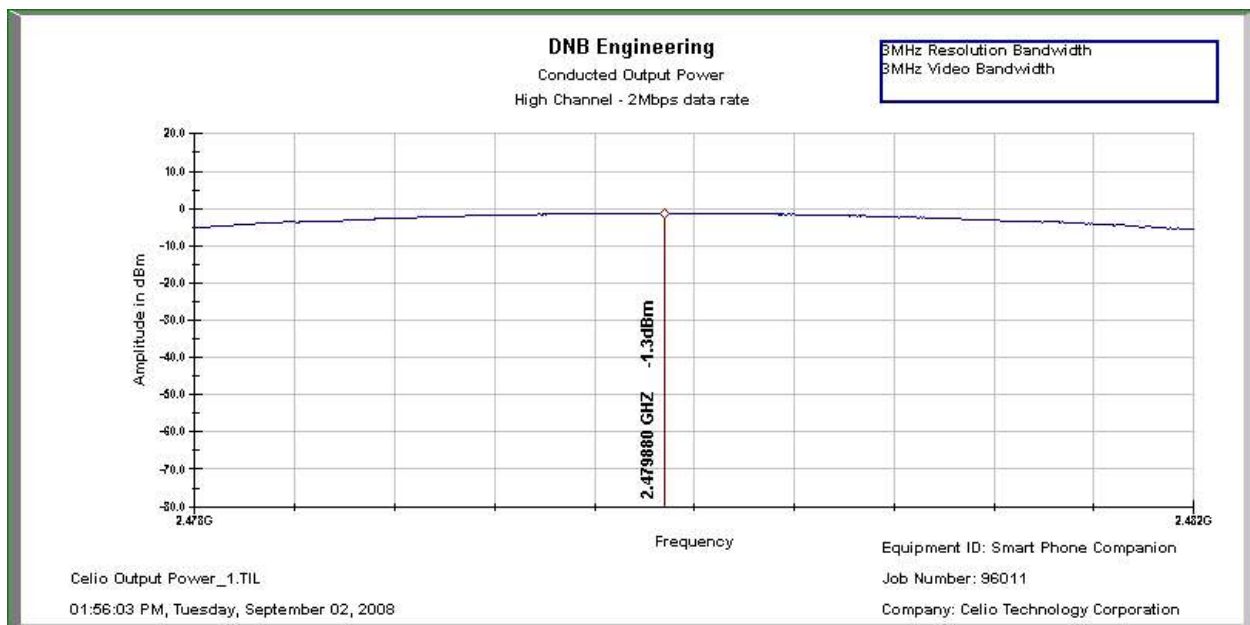



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Peak Output Power (Cond)</b>				
DNB Job Number:		96011		Date:		2 Sep 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(b,1)
		2Mbps data rate - Mid Channel						
Environmental Conditions								
Ambient Temperature			Relative Humidity			Barometric Pressure		
21 °C			25 %			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>								
Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail	
2441	-1.30	20.97	-22.27	0.741	125	-124.259	Pass	

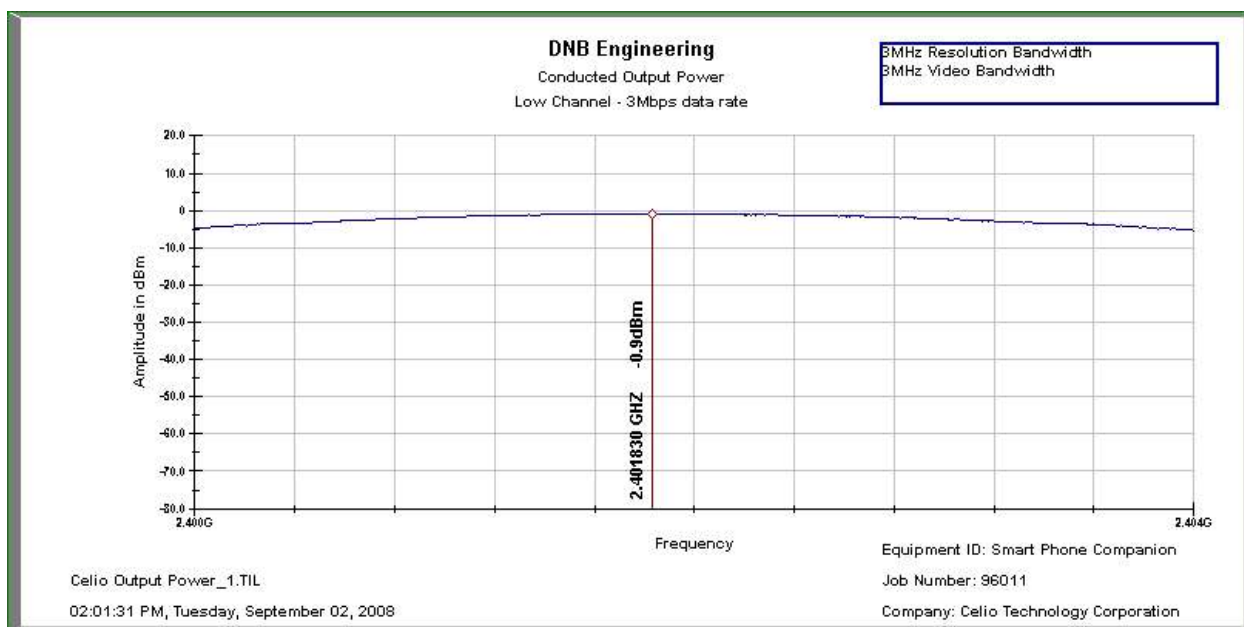





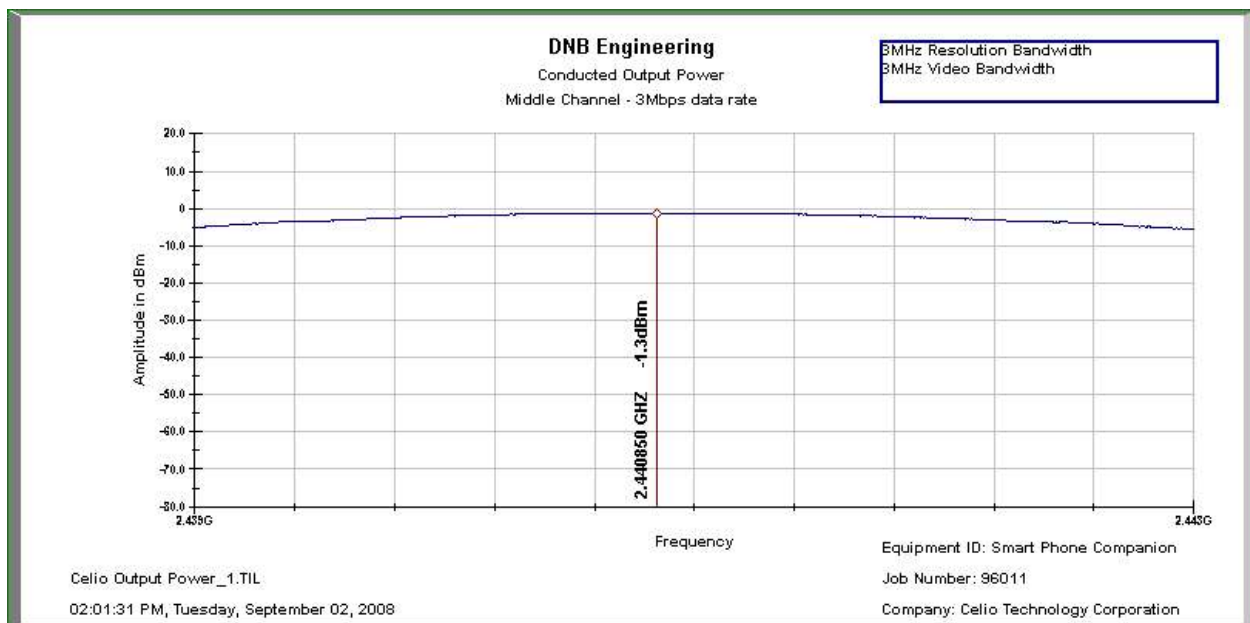
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Peak Output Power (Cond)</b>				
DNB Job Number:	96011		Date:	2 Sep 2008		<b>Conformance Standard</b>  FCC Part 15	
Customer:	Celio Technology Corporation						
Model Number:	REDFLY C8-N (Inclusive of REDFLY C7)						
Description:	Smart Phone Companion				<b>Clause</b> 15.247(b,1)		
	2Mbps data rate - High Channel						
Environmental Conditions							
Ambient Temperature		Relative Humidity		Barometric Pressure			
21 °C		25 %		101.2 kPa			
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>							
Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
2480	-1.30	20.97	-22.27	0.741	125	-124.259	Pass




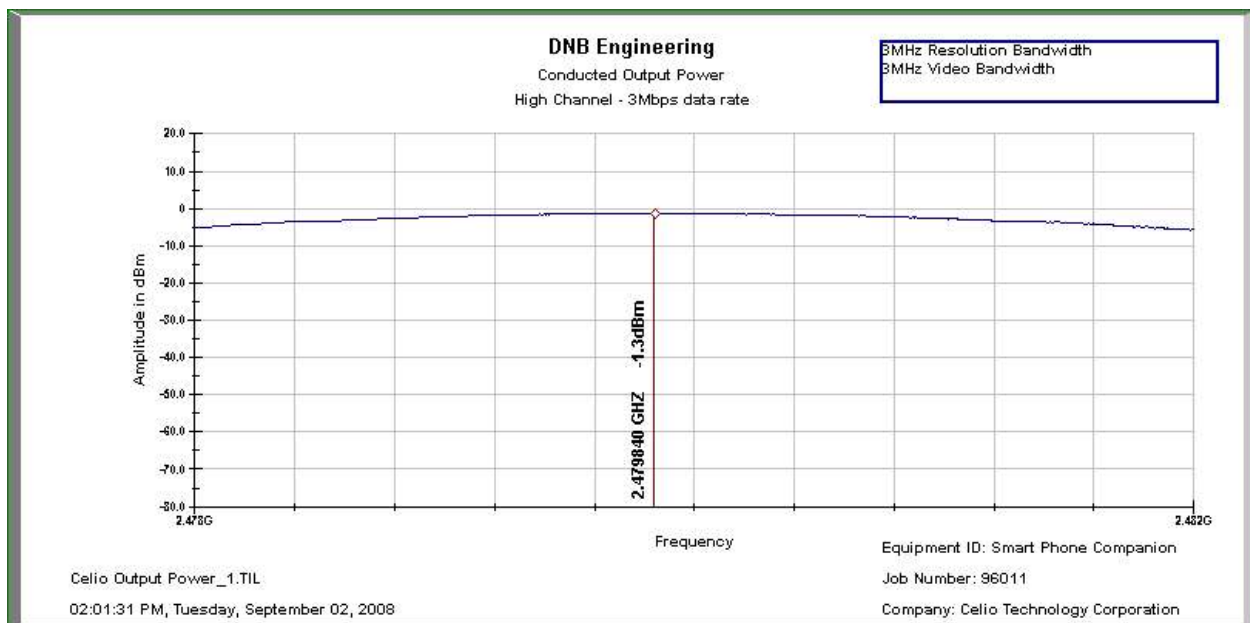
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Peak Output Power (Cond)</b>				
DNB Job Number:	96011	Date:	2 Sep 2008		<b>Conformance Standard</b>  FCC Part 15		
Customer:	Celio Technology Corporation						
Model Number:	REDFLY C8-N (Inclusive of REDFLY C7)				<b>Clause</b> 15.247(b,1)		
Description:	Smart Phone Companion						
	3Mbps data rate - Low Channel						
Environmental Conditions							
Ambient Temperature		Relative Humidity		Barometric Pressure			
21 °C		25 %		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>							
Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail
2402	-0.90	20.97	-21.87	0.813	125	-124.187	Pass



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Peak Output Power (Cond)</b>				
DNB Job Number:		96011		Date:		2 Sep 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(b,1)
		3Mbps data rate - Mid Channel						
Environmental Conditions								
Ambient Temperature			Relative Humidity			Barometric Pressure		
21 °C			25 %			101.2 kPa		
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>								
Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail	
2441	-1.30	20.97	-22.27	0.741	125	-124.259	Pass	



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Peak Output Power (Cond)</b>				
DNB Job Number:		96011		Date:		2 Sep 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(b,1)
		3Mbps data rate - High Channel						
Environmental Conditions								
Ambient Temperature			Relative Humidity			Barometric Pressure		
21 °C			25 %			101.2 kPa		
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>								
Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail	
2480	-1.30	20.97	-22.27	0.741	125	-124.259	Pass	



15.247 (d) Conducted Band Edge Measurements and Out of Band Emissions

**Band-edge Compliance of RF Conducted Emissions**

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the emission operating on the channel closest to the bandedge, as well as any modulation products which fall outside of the authorized band of operation

RBW 1% of the span

VBW RBW

Sweep = auto


Detector function = peak

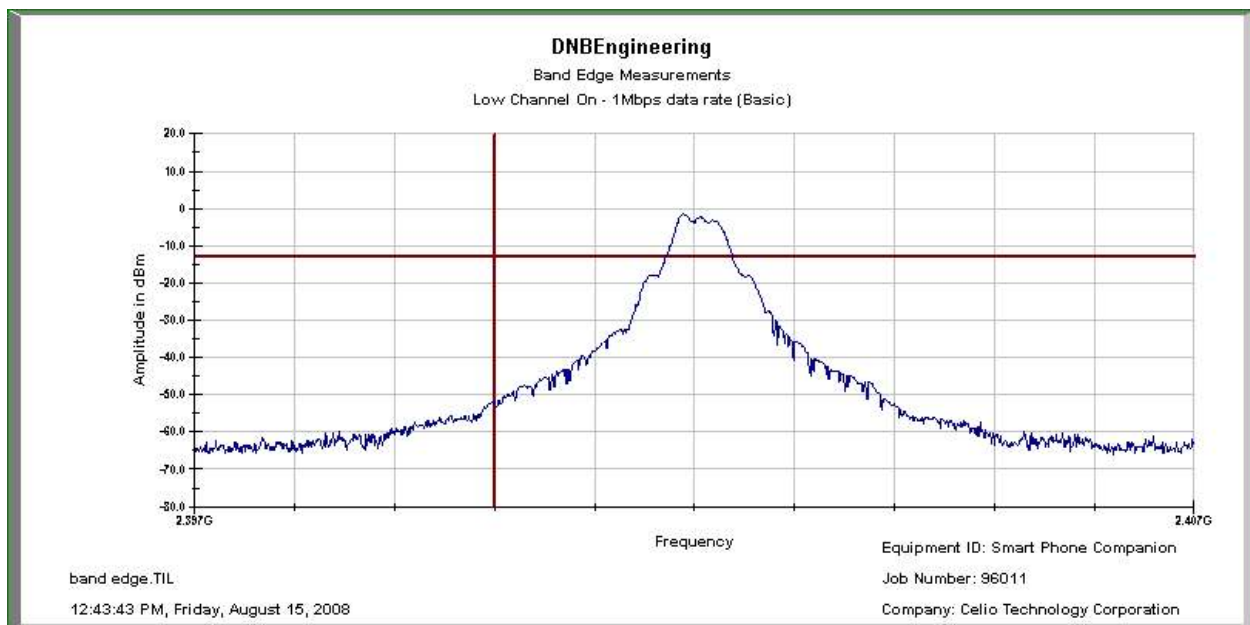
Trace = max hold


Allow the trace to stabilize. Set the marker on the emission at the bandedge, or on the highest modulation product outside of the band, if this level is greater than that at the bandedge. Enable the marker-delta function, then use the marker-to-peak function to move the marker to the peak of the in-band emission. The marker-delta value now displayed must comply with the limit specified in this Section. Submit this plot.

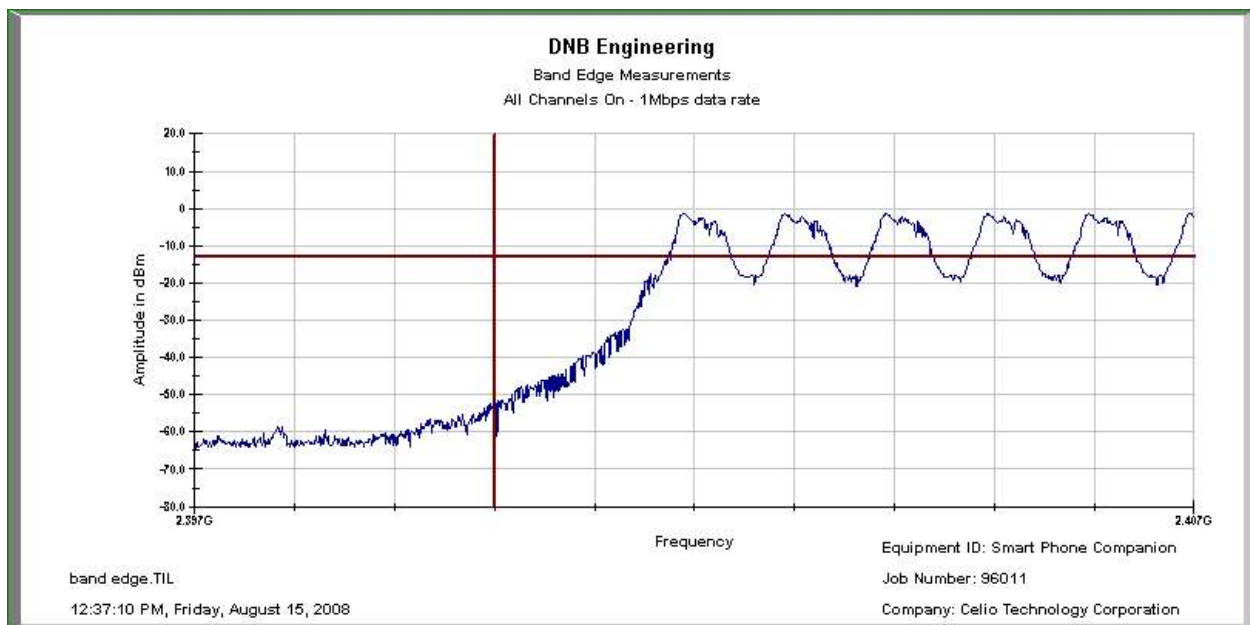
Now, using the same instrument settings, enable the hopping function of the EUT. Allow the trace to stabilize. Follow the same procedure listed above to determine if any spurious emissions caused by the hopping function also comply with the specified limit. Submit this plot.


Test Set Up: Same as 15.247 (a,2) 20 dB Emission Bandwidth

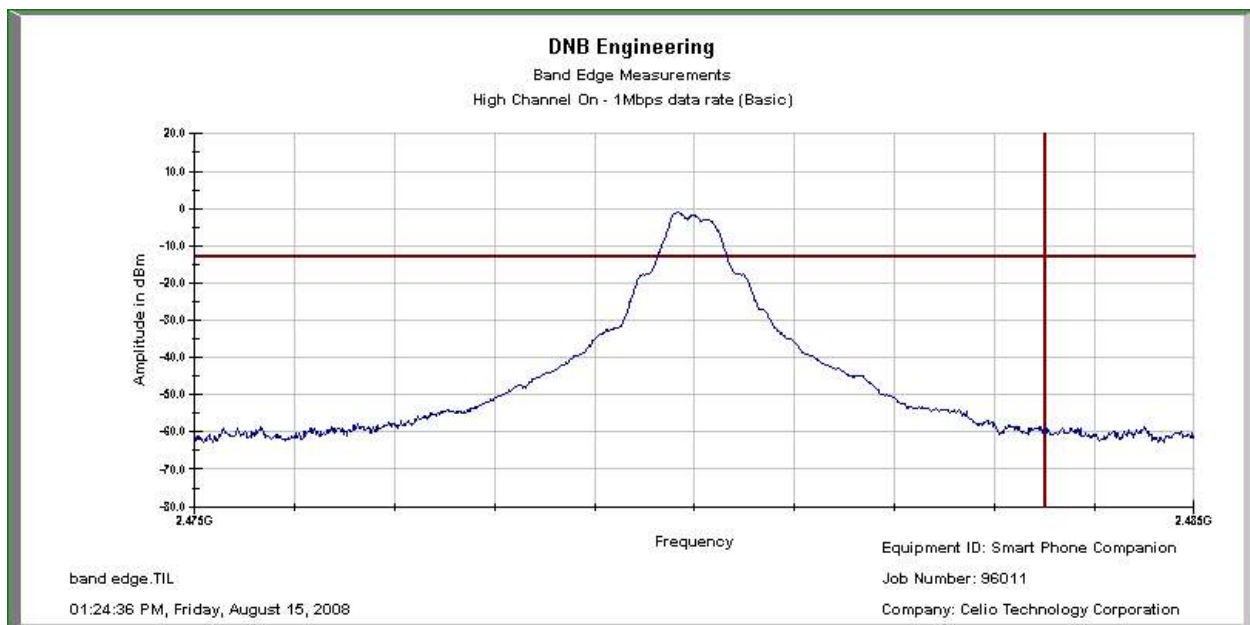
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		1Mbps data rate (Basic data rate)						
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>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2400	2401.815		54.0	44.1	-9.4	1.815	Pass	




		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		1Mbps data rate (Basic data rate)						
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>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2400	2401.815		54.0	44.1	-9.9	1.815	Pass	

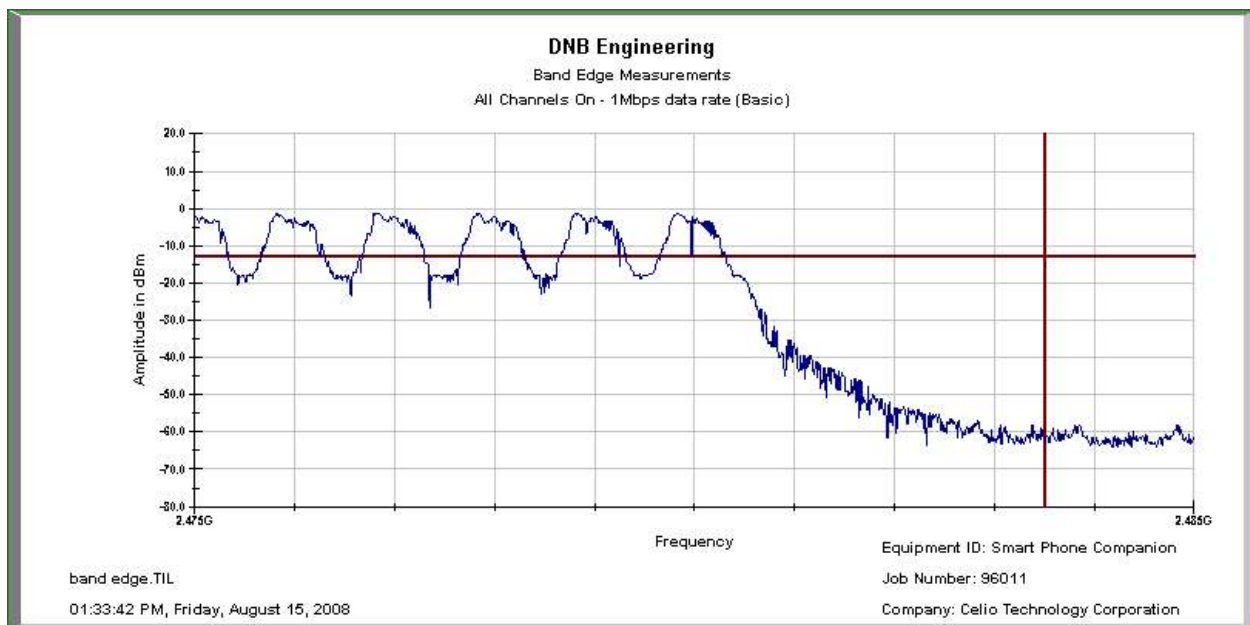



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		1Mbps data rate (Basic data rate)						
Ambient Temperature			Relative Humidity			Barometric Pressure		
19 °C			28 %			101.8 kPa		
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2483.5		2479.779	54.0	43.8	-10.2	3.721	Pass	

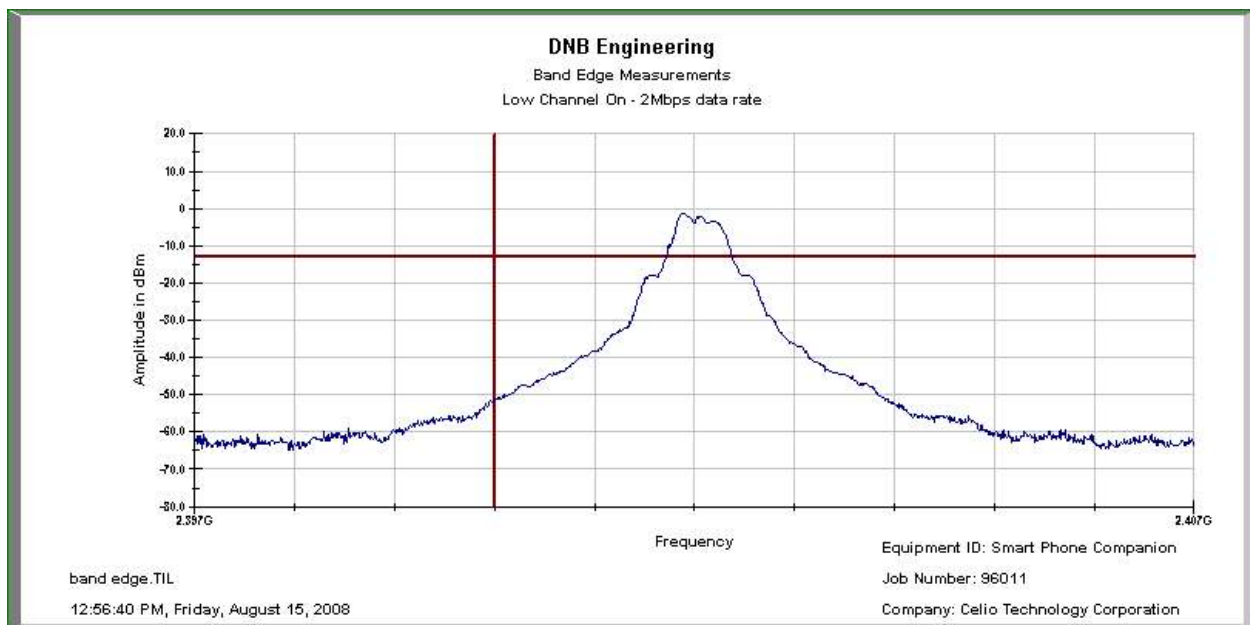





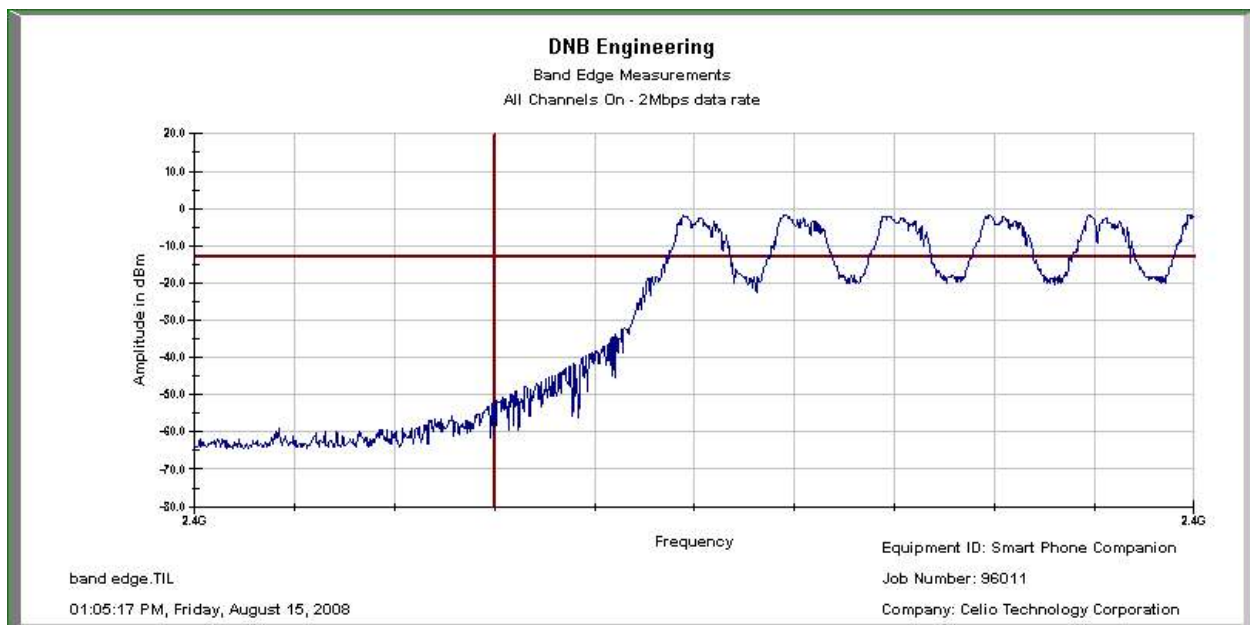
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		1Mbps data rate (Basic data rate)						
Ambient Temperature			Relative Humidity			Barometric Pressure		
19 °C			28 %			101.8 kPa		
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2483.5		2479.779	54.0	43.8	-10.2	3.721	Pass	




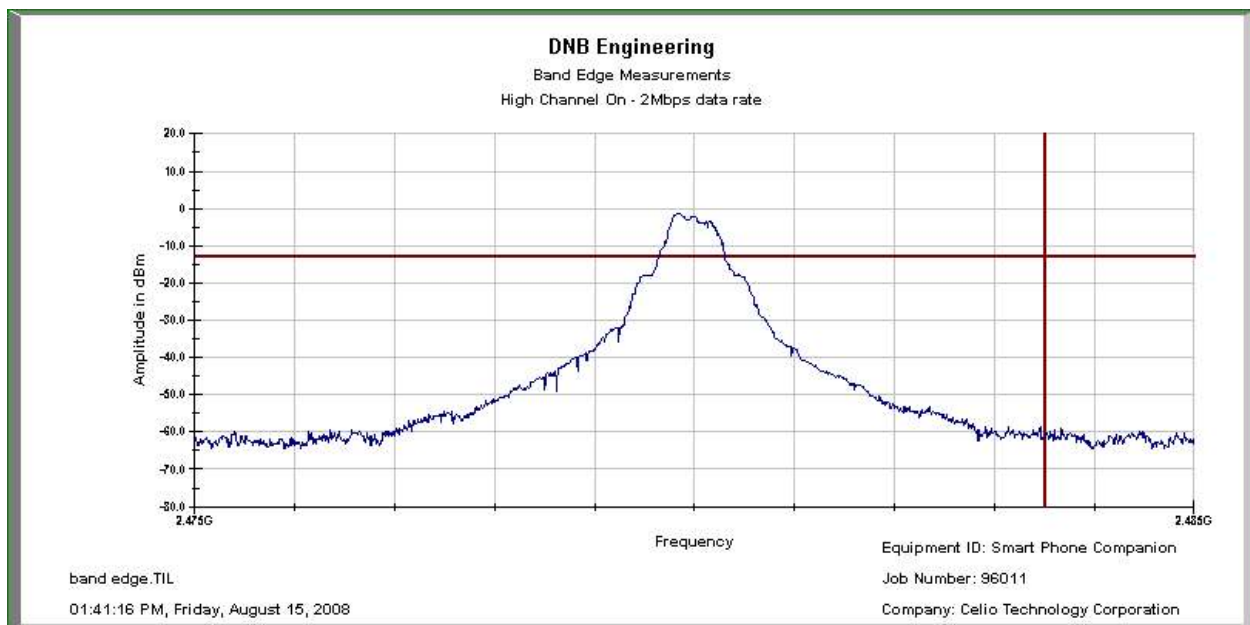
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		2Mbps data rate						
Ambient Temperature			Relative Humidity			Barometric Pressure		
19 °C			28 %			101.8 kPa		
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2400	2401.815		54.0	44.1	-9.9	1.815	Pass	




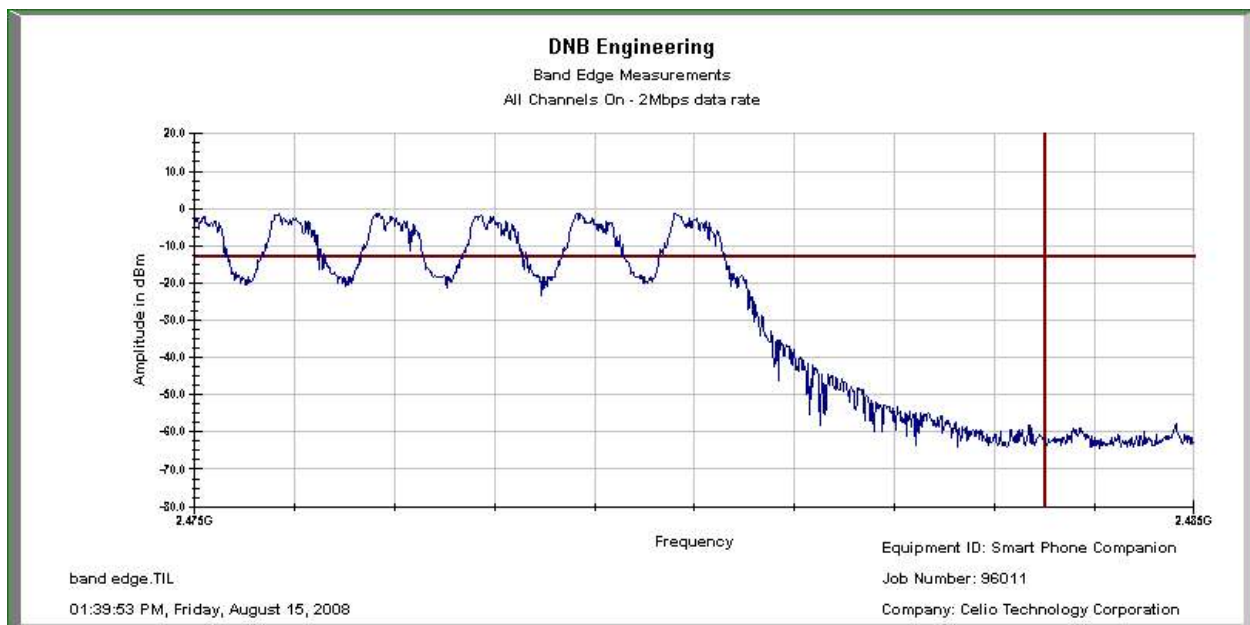
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		2Mbps data rate						
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>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2400	2401.815		54.0	44.1	-9.9	1.815	Pass	




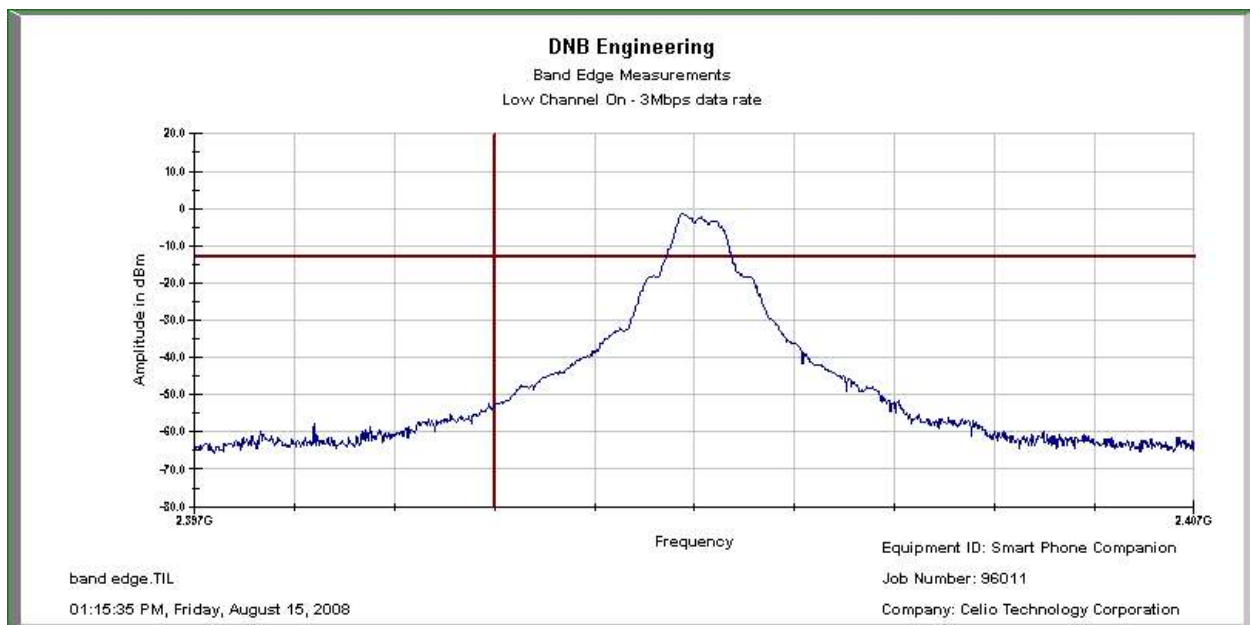
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		2Mbps data rate						
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>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2483.5		2479.779	54.0	43.8	-10.2	3.721	Pass	




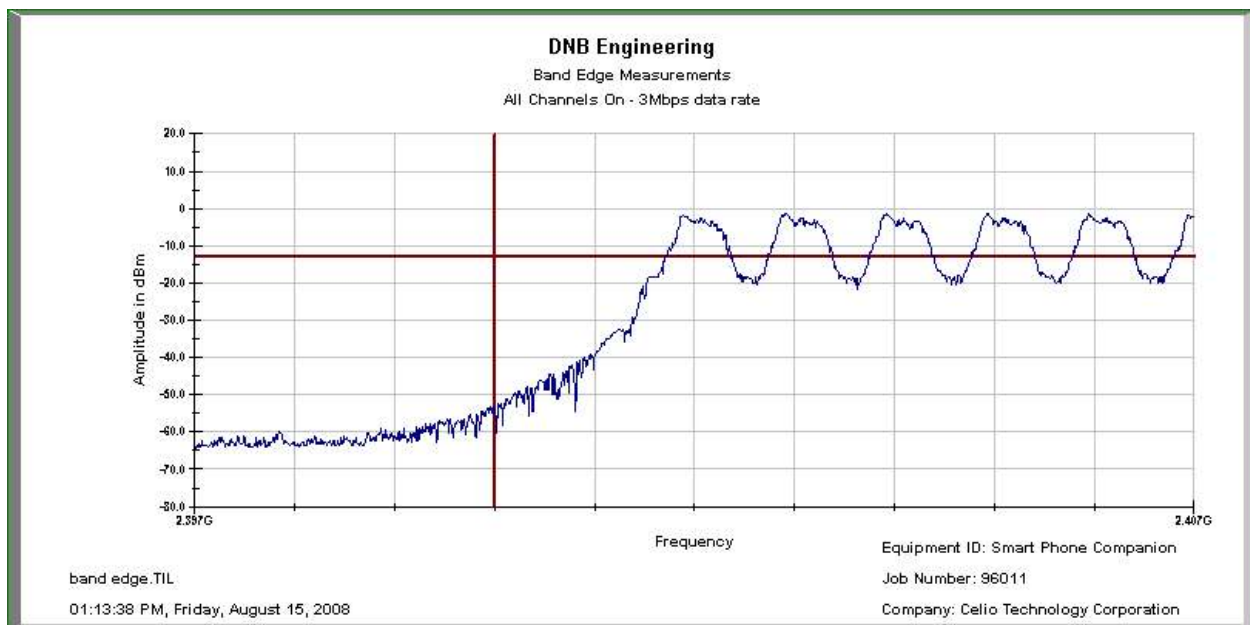
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		2Mbps data rate						
Ambient Temperature			Relative Humidity			Barometric Pressure		
19 °C			28 %			101.8 kPa		
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2483.5		2479.779	54.0	43.8	-10.2	3.721	Pass	




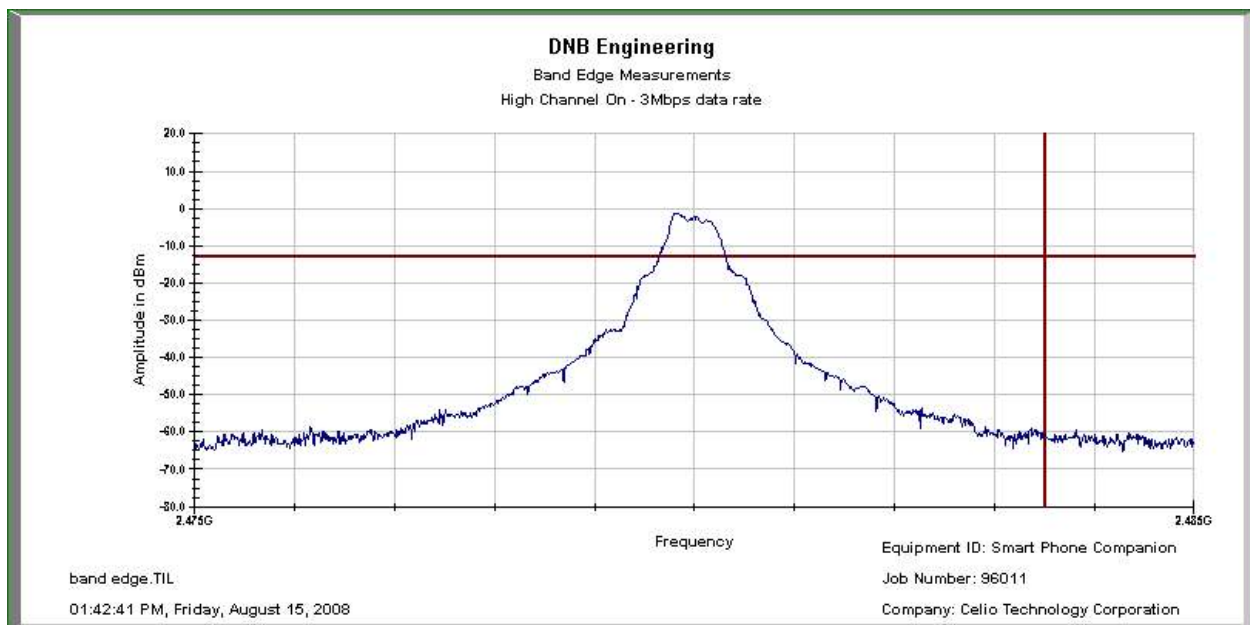
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		3Mbps data rate						
Ambient Temperature			Relative Humidity			Barometric Pressure		
19 °C			28 %			101.8 kPa		
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2400	2401.815		54.0	44.1	-9.9	1.815	Pass	




		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		3Mbps data rate						
Ambient Temperature			Relative Humidity			Barometric Pressure		
19 °C			28 %			101.8 kPa		
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2400	2401.815		54.0	44.1	-9.9	1.815	Pass	

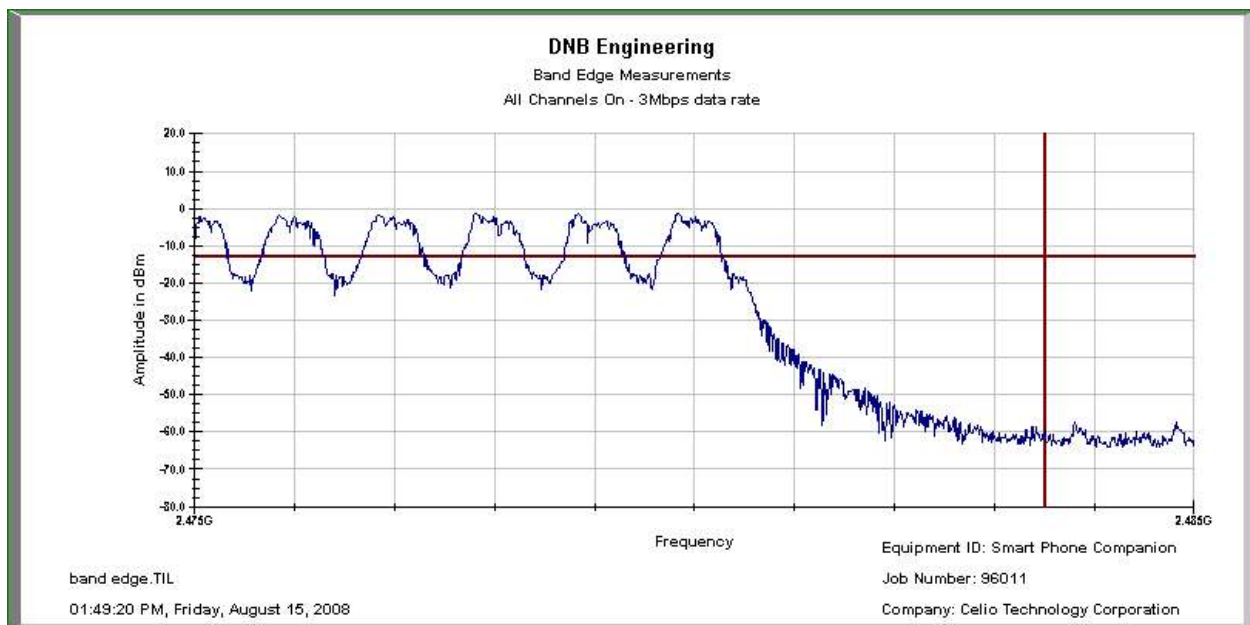



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		3Mbps data rate						
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>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2483.500		2479.779	54.0	43.8	-10.2	3.721	Pass	





		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Band Edge Measurements</b>				
DNB Job Number:		96011		Date:		15 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation						
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)						
Description:		Smart Phone Companion						<b>Clause</b> 15.247(d)
		3Mbps data rate						
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>								
Band Edge			Radiated Corrected Edge Measurement			Freq Delta (MHz)	Pass/Fail	
Limit	Lower (MHz)	Upper (MHz)	Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)			
2483.500		2479.779	54.0	43.8	-10.2	3.721	Pass	



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Conducted Spurious</b>	
DNB Job Number:		96011		Date: 14 Aug 2008	
Customer:		Celio Technology Corporation			
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)			
Description:		Smart Phone Companion			
		Test Procedure			
Ambient Temperature		Relative Humidity		Barometric Pressure	
21 °C		25 %		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>					

### Spurious RF Conducted Emissions

Use the following spectrum analyzer settings:

Span = wide enough to capture the peak level of the in-band emission and all spurious emissions (e.g., harmonics) from the lowest frequency generated in the EUT up through the 10<sup>th</sup> harmonic. Typically, several plots are required to cover this entire span.

RBW = 100 kHz


VBW RBW

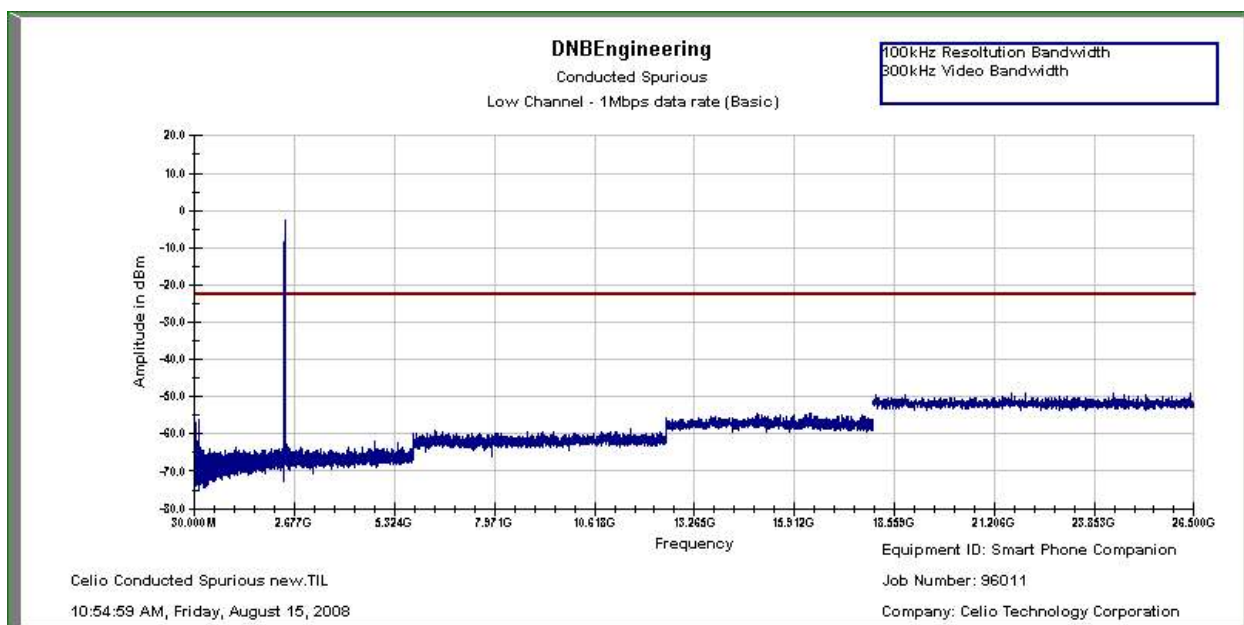
Sweep = auto


Detector function = peak

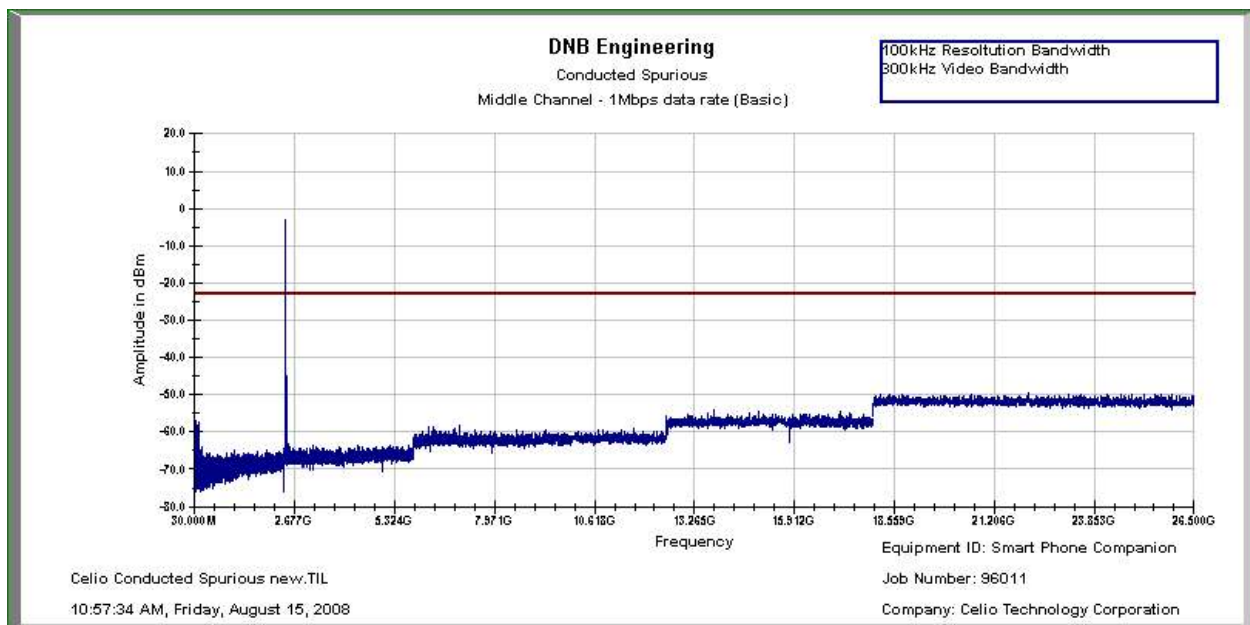
Trace = max hold


Allow the trace to stabilize. Set the marker on the peak of any spurious emission recorded. The level displayed must comply with the limit specified in this Section. Submit these plots.

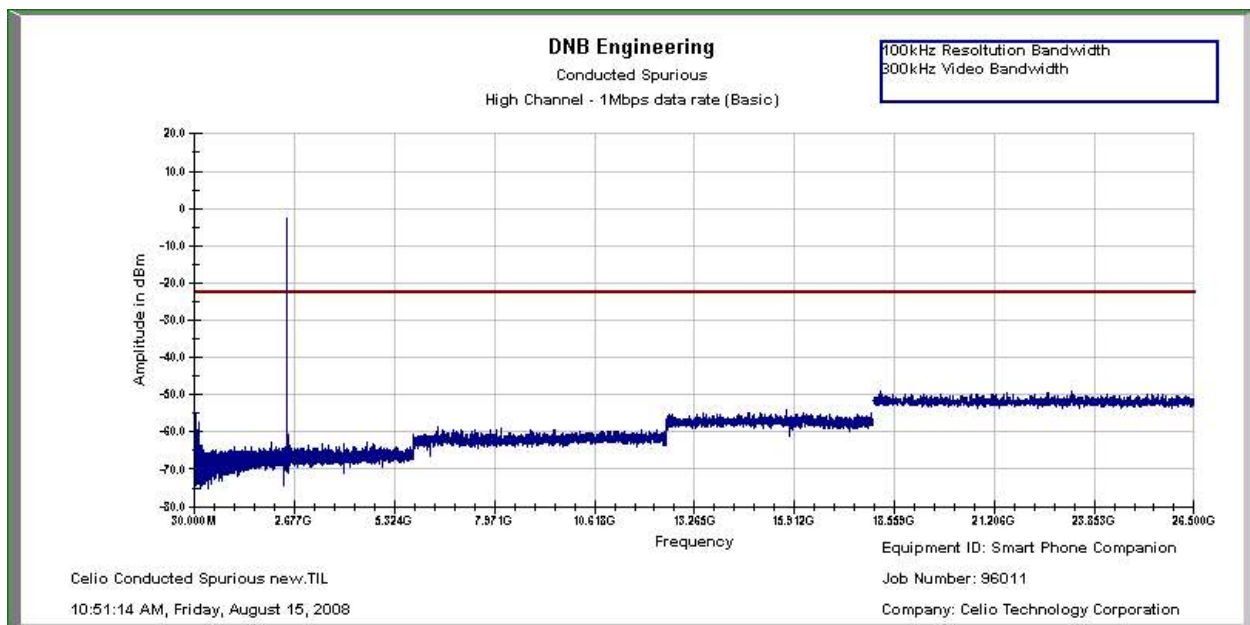
	1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Conducted Spurious</b>	
DNB Job Number:	96011	Date:	14 Aug 2008	<b>Conformance Standard</b>
Customer:	Celio Technology Corporation			
Model Number:	REDFLY C8-N (Inclusive of REDFLY C7)			FCC Part 15
Description:	Smart Phone Companion			<b>Clause</b> 15.247(d)
	1Mbps data rate (Basic data rate) - Low Channel			
Ambient Temperature		Relative Humidity		Barometric Pressure
21 °C		25 %		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>				
Peak Output Power	Reading	-20dBc		Pass/Fall
-2.9 dBm	-2.9 dBm	-22.9 dBm		Pass




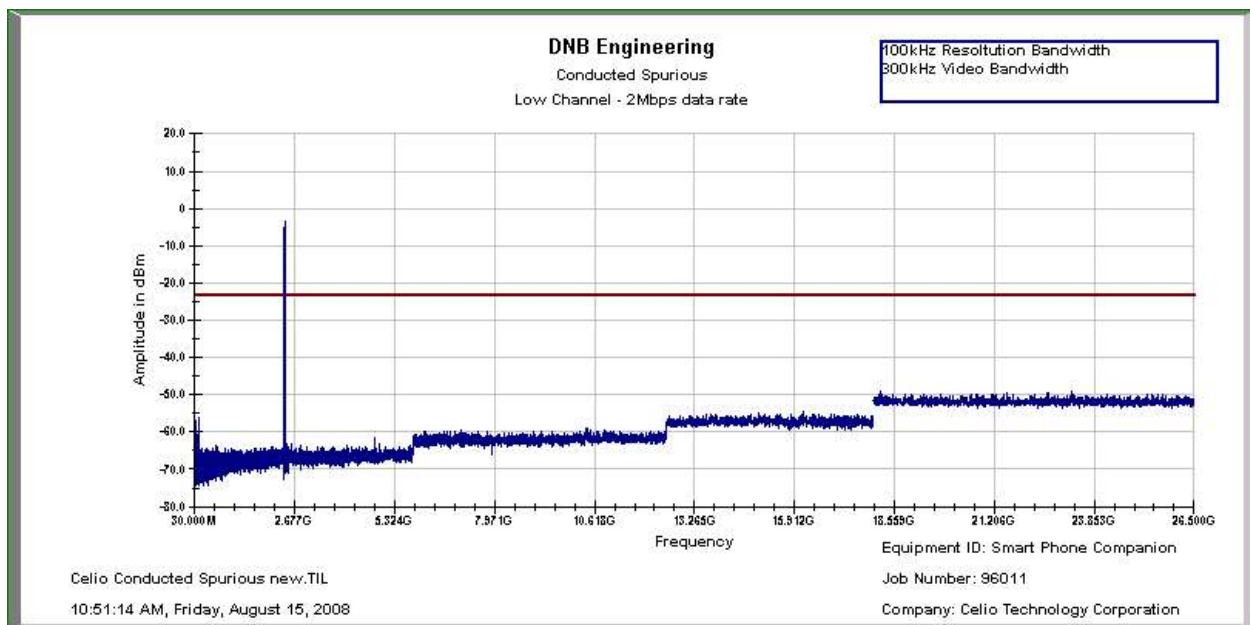
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Conducted Spurious</b>	
DNB Job Number:		96011		Date: 14 Aug 2008	
Customer:		Celio Technology Corporation			
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)			
Description:		Smart Phone Companion			
		1Mbps data rate (Basic data rate) - Mid Channel			
Ambient Temperature		Relative Humidity		Barometric Pressure	
21 °C		25 %		101.2 kPa	
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>					
Peak Output Power		Reading		-20dBc	
0.20 dBm		-2.9 dBm		-22.9 dBm	
				Pass/Fail	
				Pass	




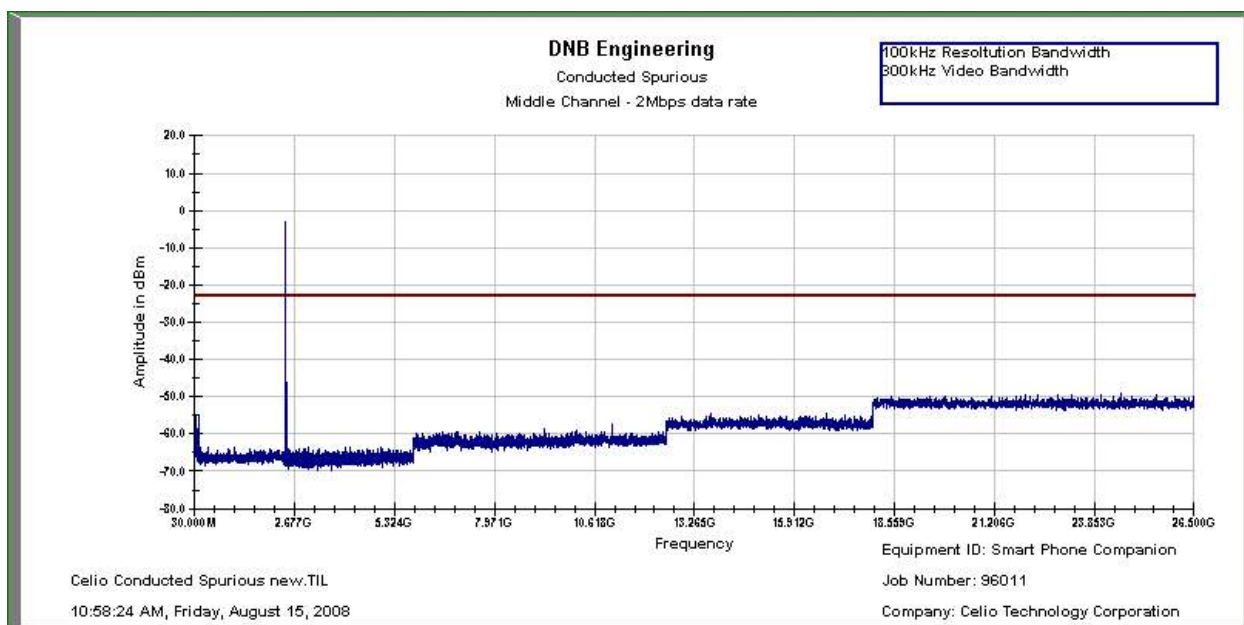
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Conducted Spurious</b>	
DNB Job Number:		96011		Date: 14 Aug 2008	
Customer:		Celio Technology Corporation			
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)			
Description:		Smart Phone Companion			
		1Mbps data rate (Basic data rate) - High Channel			
Ambient Temperature		Relative Humidity		Barometric Pressure	
21 °C		25 %		101.2 kPa	
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>					
Peak Output Power		Reading		-20dBc	
0.20 dBm		-2.5 dBm		-22.5 dBm	
				Pass/Fail	
				Pass	




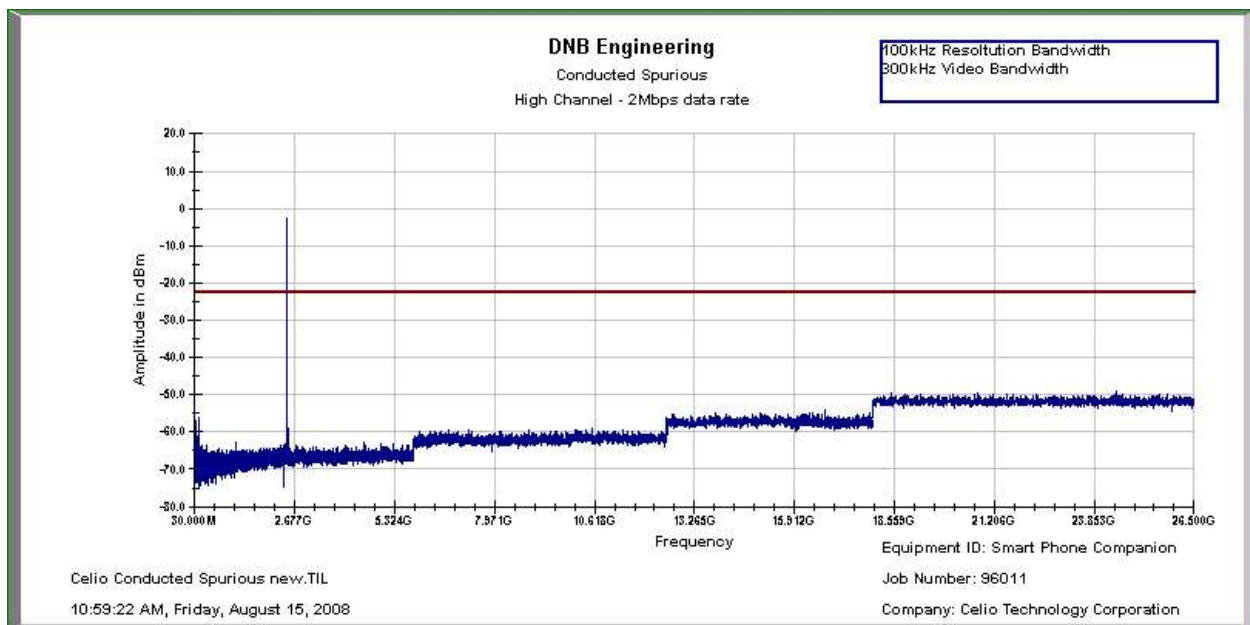
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Conducted Spurious</b>	
DNB Job Number:		96011		Date: 14 Aug 2008	
Customer:		Celio Technology Corporation			
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)			
Description:		Smart Phone Companion			
		2Mbps data rate - Low Channel			
Ambient Temperature		Relative Humidity		Barometric Pressure	
21 °C		25 %		101.2 kPa	
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>					
Peak Output Power		Reading		-20dBc	
0.20 dBm		-3.3 dBm		-23.3 dBm	
				Pass/Fail	
				Pass	




		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Conducted Spurious</b>		
DNB Job Number:		96011		Date: 14 Aug 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation				
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)				
Description:		Smart Phone Companion				<b>Clause</b> 15.247(d)
		2Mbps data rate - Mid Channel				
Ambient Temperature			Relative Humidity		Barometric Pressure	
21 °C			25 %		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>						
Peak Output Power		Reading		-20dBc		Pass/Fall
0.20 dBm		-2.9 dBm		-22.9 dBm		Pass

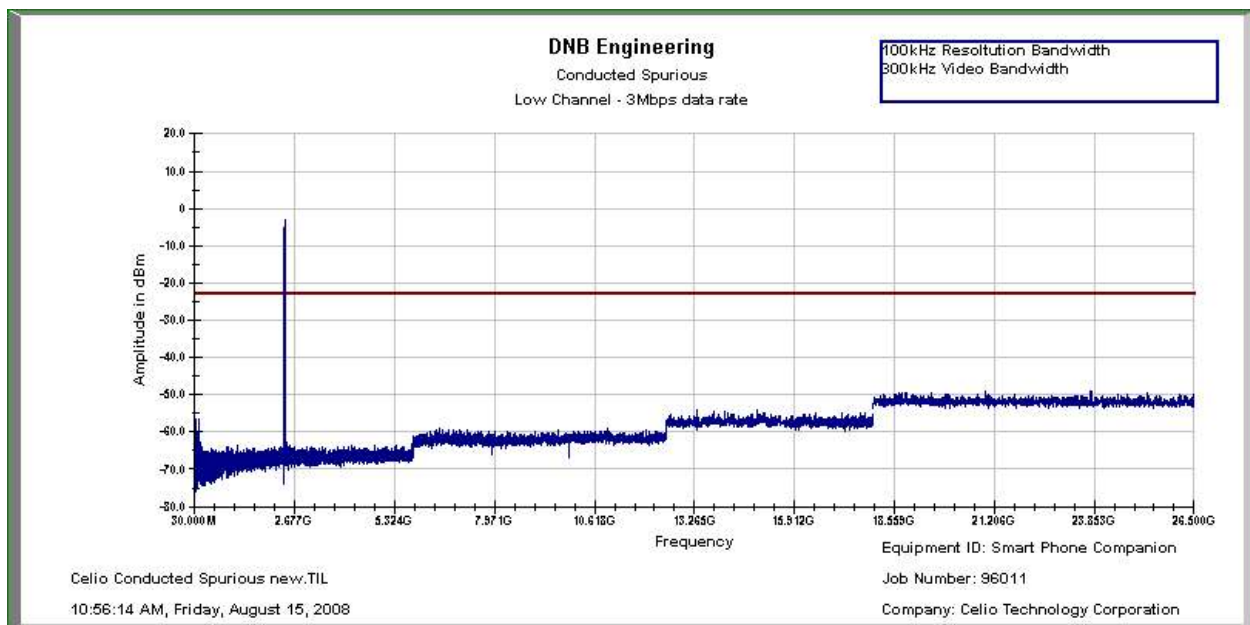



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Conducted Spurious</b>	
DNB Job Number:		96011		Date: 14 Aug 2008	
Customer:		Celio Technology Corporation			
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)			
Description:		Smart Phone Companion			
		2Mbps data rate - High Channel			
Ambient Temperature		Relative Humidity		Barometric Pressure	
21 °C		25 %		101.2 kPa	
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>					
Peak Output Power		Reading		-20dBc	
0.20 dBm		-2.5 dBm		-22.5 dBm	
				Pass/Fail	
				Pass	

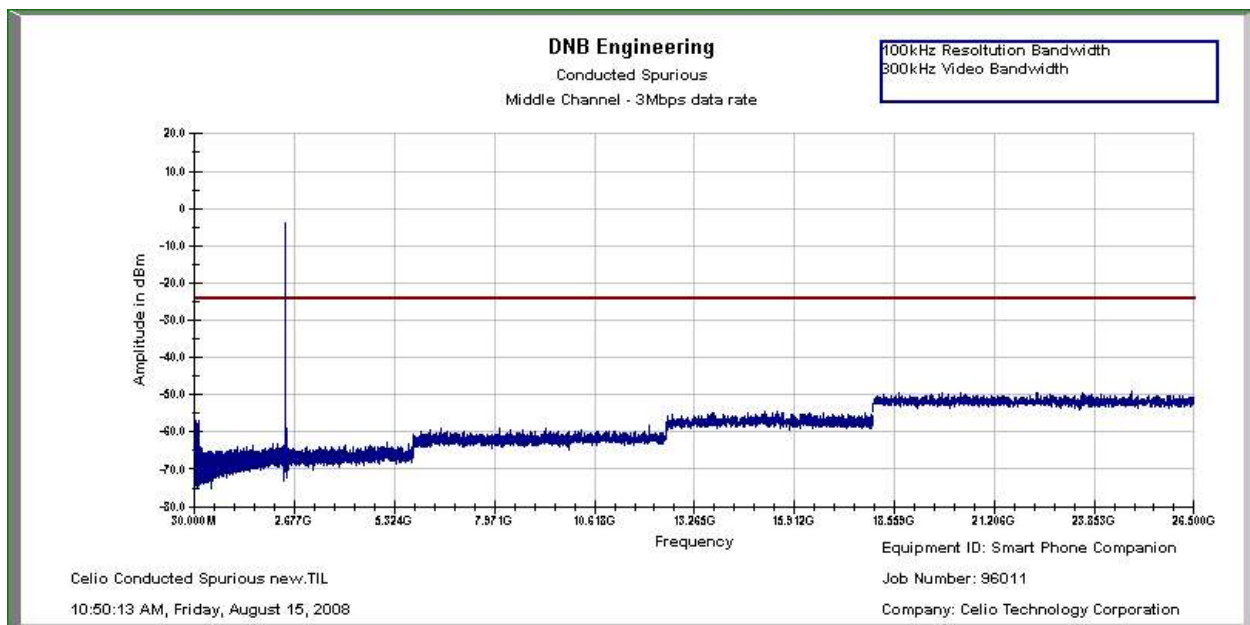





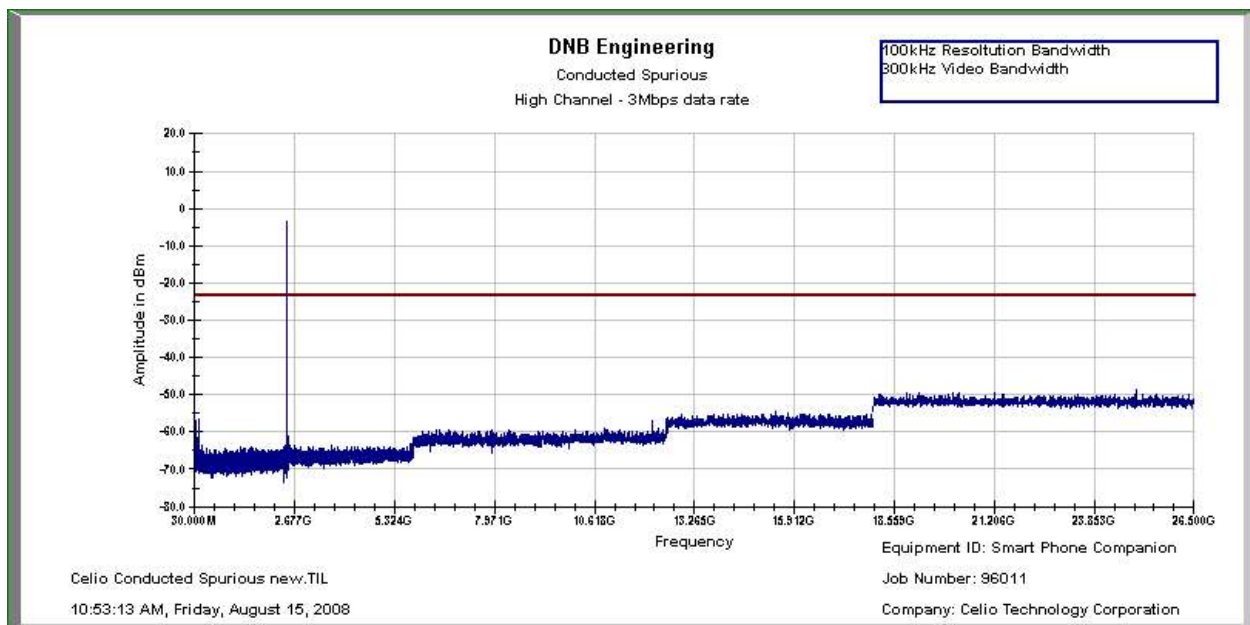
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Conducted Spurious</b>	
DNB Job Number:		96011		Date: 14 Aug 2008	
Customer:		Celio Technology Corporation			
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)			
Description:		Smart Phone Companion			
		3Mbps data rate - Low Channel			
		<b>Conformance Standard</b>  FCC Part 15  <b>Clause 15.247(d)</b>			
Ambient Temperature		Relative Humidity		Barometric Pressure	
21 °C		25 %		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>					
Peak Output Power		Reading		-20dBc	
0.20 dBm		-2.9 dBm		-22.9 dBm	
				Pass/Fail	
				Pass	



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Conducted Spurious</b>	
DNB Job Number:		96011		Date: 14 Aug 2008	
Customer:		Celio Technology Corporation			
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)			
Description:		Smart Phone Companion			
		3Mbps data rate - Mid Channel			
Ambient Temperature		Relative Humidity		Barometric Pressure	
21 °C		25 %		101.2 kPa	
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>					
Peak Output Power		Reading		-20dBc	
0.20 dBm		-4.1 dBm		-23.7 dBm	
				Pass/Fail	
				Pass	



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Conducted Spurious</b>	
DNB Job Number:		96011		Date: 14 Aug 2008	
Customer:		Celio Technology Corporation			
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)			
Description:		Smart Phone Companion			
		3Mbps data rate - High Channel			
Ambient Temperature		Relative Humidity		Barometric Pressure	
21 °C		25 %		101.2 kPa	
EUT performed within the requirements of the applicable standard    [X] Yes    [ ] No <i>Les Payne</i>					
Peak Output Power		Reading		-20dBc	
0.20 dBm		-3.3 dBm		-23.3 dBm	
				Pass/Fail	
				Pass	



15.247(d): Power spectral density(PSD).

The same method of determining the conducted output power shall be used to determine the power spectral density.

If a peak output power is measured, then a peak power spectral density measurement is required. If an average output power is measured, then an average power spectral density measurement should be used.

Locate and zoom in on emission peak(s) within the passband.

Set RBW = 3 kHz,

VBW > RBW, sweep= (SPAN/3 kHz) e.g., for a span of 1.5 MHz, the sweep should be  $1.5 \times 10^6 / 3 \times 10^3 = 500$  seconds.


The peak level measured must be no greater than + 8 dBm. If external attenuation is used, don't forget to add this value to the reading. Use the following guidelines for modifying the power spectral density measurement procedure when necessary.

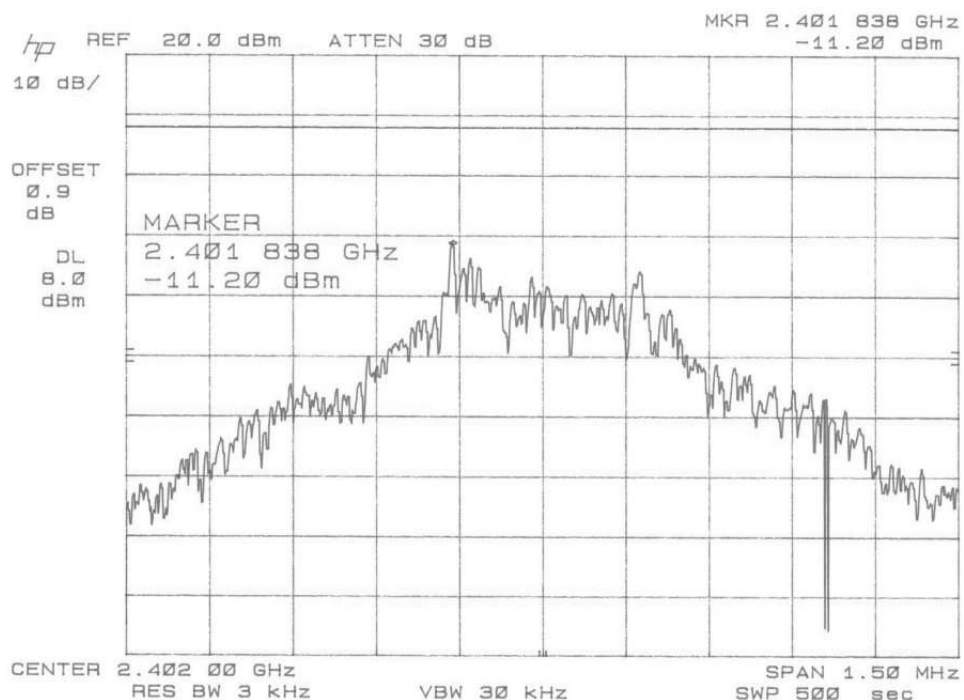
For devices with spectrum line spacing greater than 3 kHz no change is required.


For devices with spectrum line spacing equal to or less than 3 kHz, the resolution bandwidth must be reduced below 3kHz until the individual lines in the spectrum are resolved. The measurement data must then be normalized to 3 kHz by summing the power of all the individual spectral lines within a 3kHz band (in linear power units) to determine compliance.

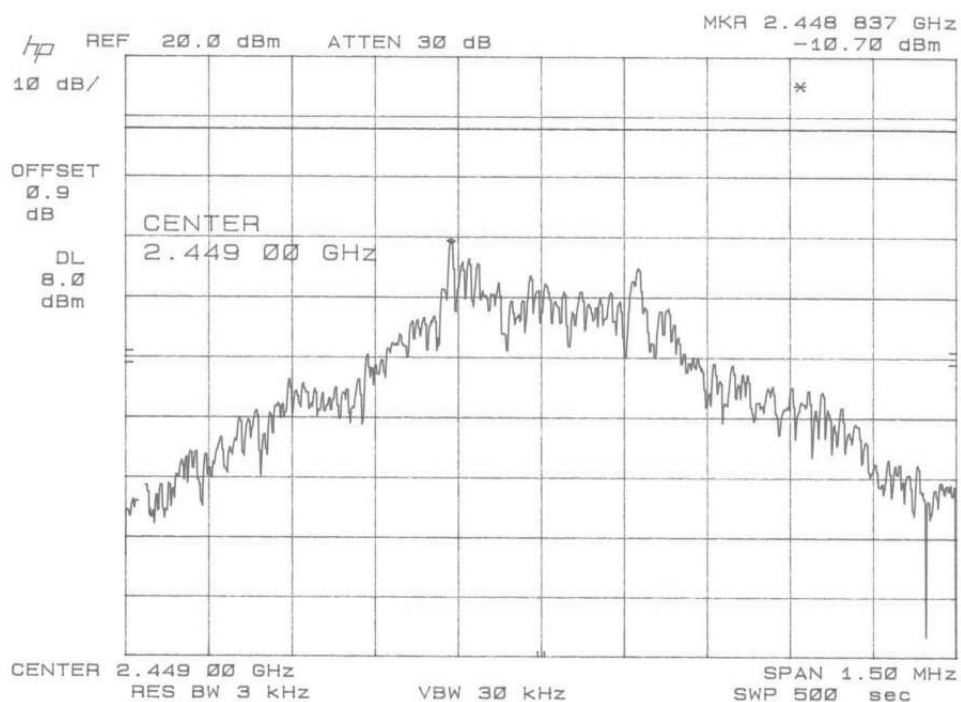
If the spectrum line spacing cannot be resolved on the available spectrum analyzer, the noise density function on most modern conventional spectrum analyzers will directly measure the noise power density normalized to a 1 Hz noise power bandwidth. Add 35dB for correction to 3 kHz.


Should all the above fail or any controversy develop regarding accuracy of measurement, the Laboratory will use the HP 89440A Vector Signal Analyzer for final measurement unless a clear showing can be made for a further alternate.

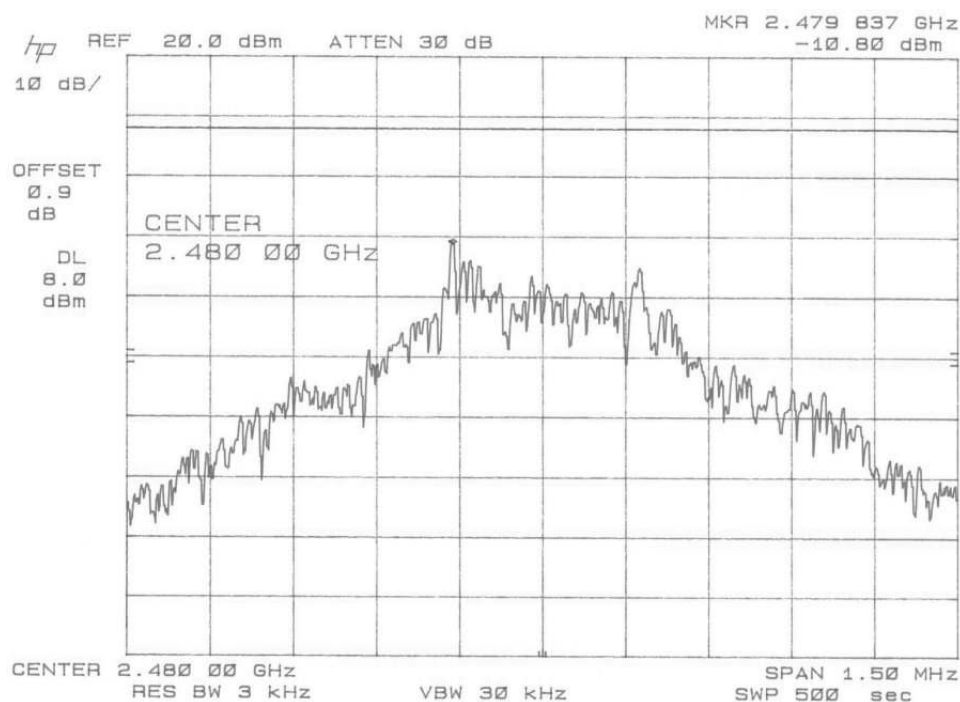
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Power Spectral Density</b>	
DNB Job Number:		96011		Date: 15 Jan 2008	
Customer:		Celio Technology Corporation			
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)			
Description:		Smart Phone Companion			
		1Mbps data rate (Basic data rate)			
<b>Conformance Standard</b> FCC Part 15 <b>Clause 15.247(e)</b>					
<b>Environmental Conditions</b>					
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>					
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail
Low	2402	-11.2	8.0	-19.2	Pass




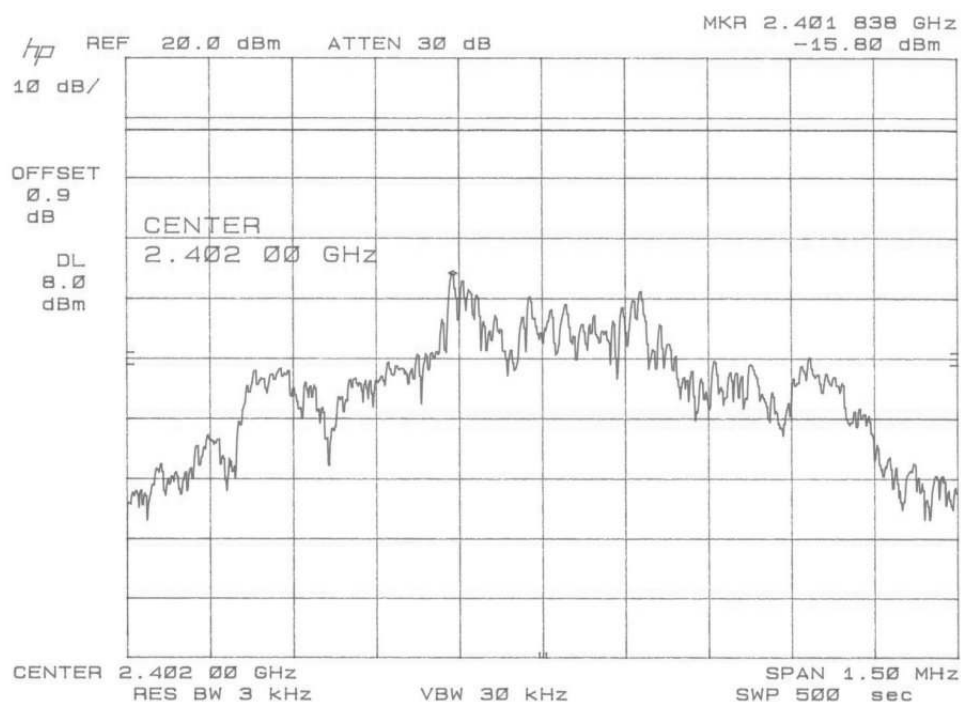
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Power Spectral Density</b>		
DNB Job Number:		96011		Date:	15 Jan 2008	<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation				
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)				
Description:		Smart Phone Companion				<b>Clause</b> 15.247(e)
		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    [X] Yes    [ ] No <i>Les Payne</i>						
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
Middle	2449	-10.7	8.0	-18.7	Pass	




		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Power Spectral Density</b>		
DNB Job Number:		96011		Date: 15 Jan 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation				
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)				
Description:		Smart Phone Companion				<b>Clause</b> 15.247(e)
		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    [X] Yes    [ ] No <i>Les Payne</i>						
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
High	2480	-10.8	8.0	-18.8	Pass	

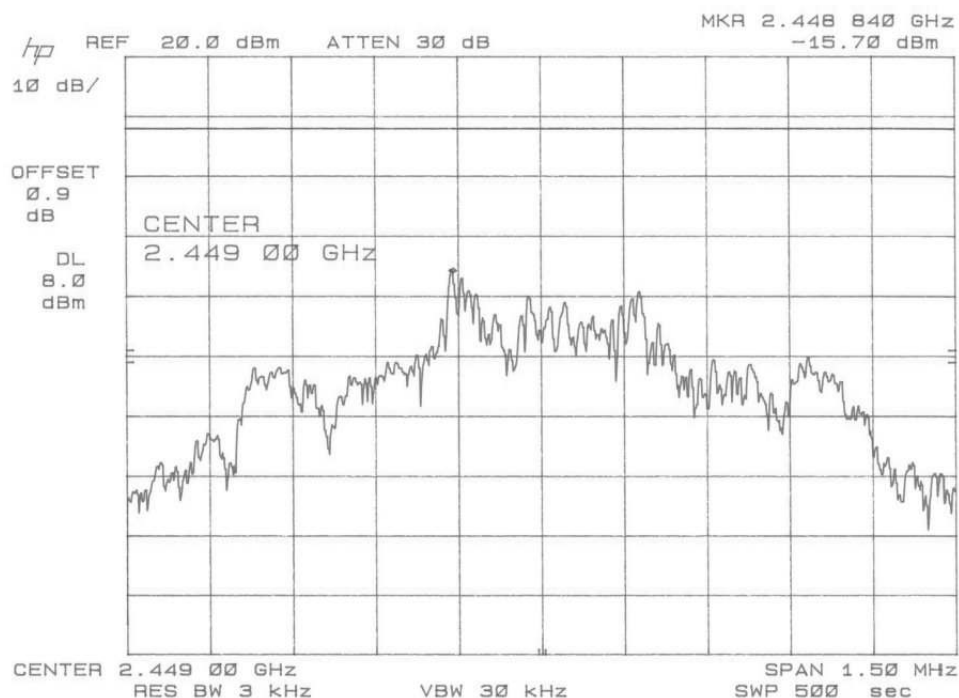



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Power Spectral Density</b>		
DNB Job Number:		96011		Date: 15 Jan 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation				
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)				
Description:		Smart Phone Companion				<b>Clause</b> 15.247(e)
		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    [X] Yes    [ ] No <i>Les Payne</i>						
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
Low	2402	-15.8	8.0	-23.8	Pass	

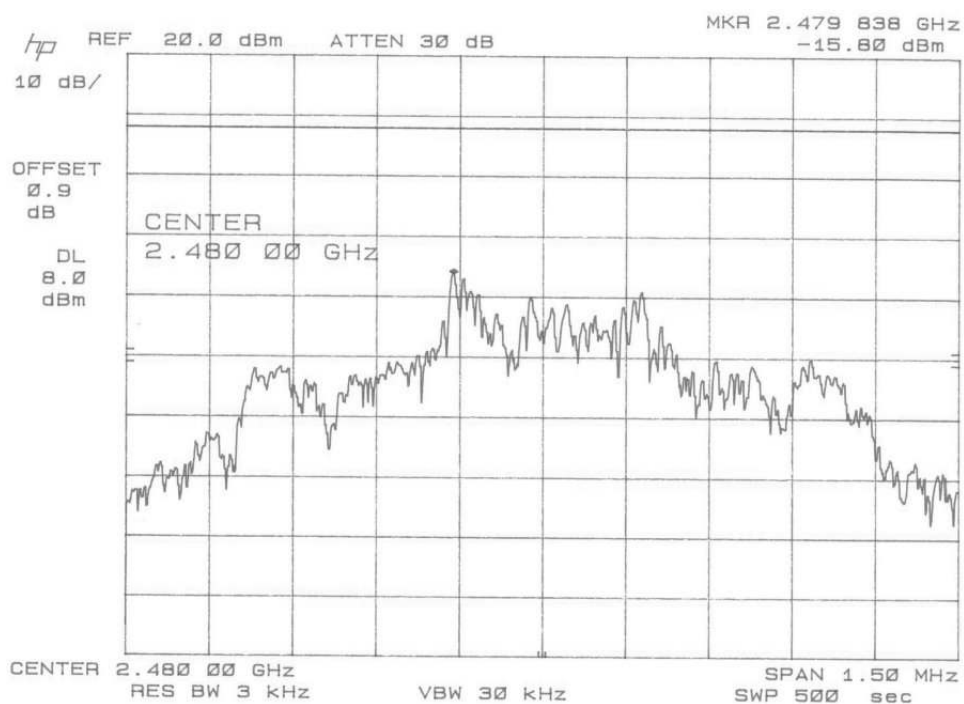





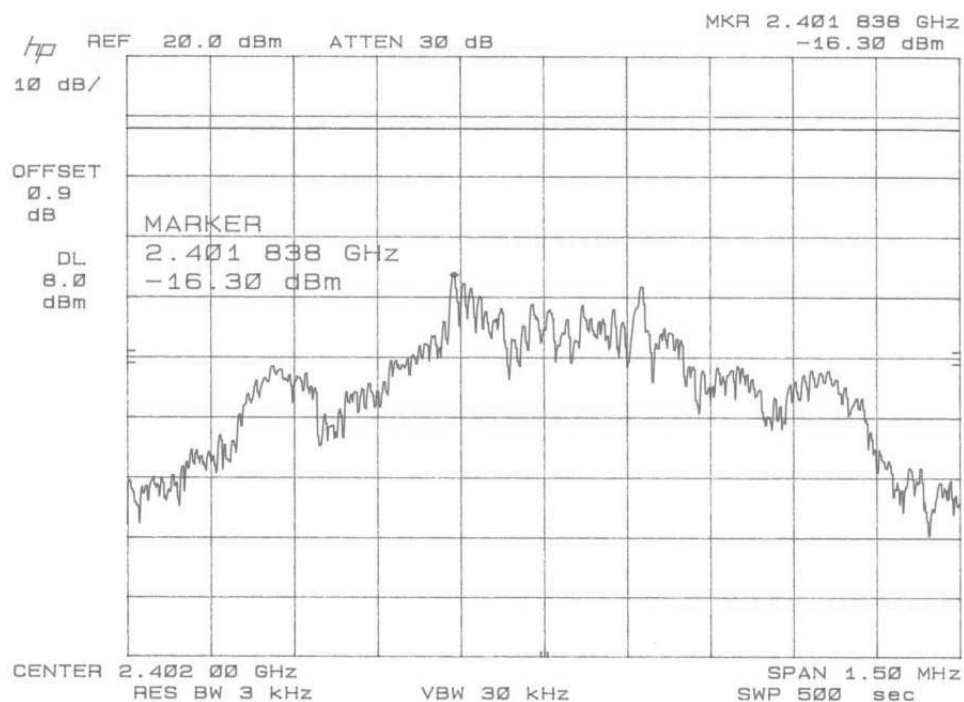
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Power Spectral Density</b>		
DNB Job Number:		96011		Date: 15 Jan 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation				
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)				
Description:		Smart Phone Companion				<b>Clause</b> 15.247(e)
		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    [X] Yes    [ ] No <i>Les Payne</i>						
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
Middle	2402	-15.7	8.0	-23.7	Pass	




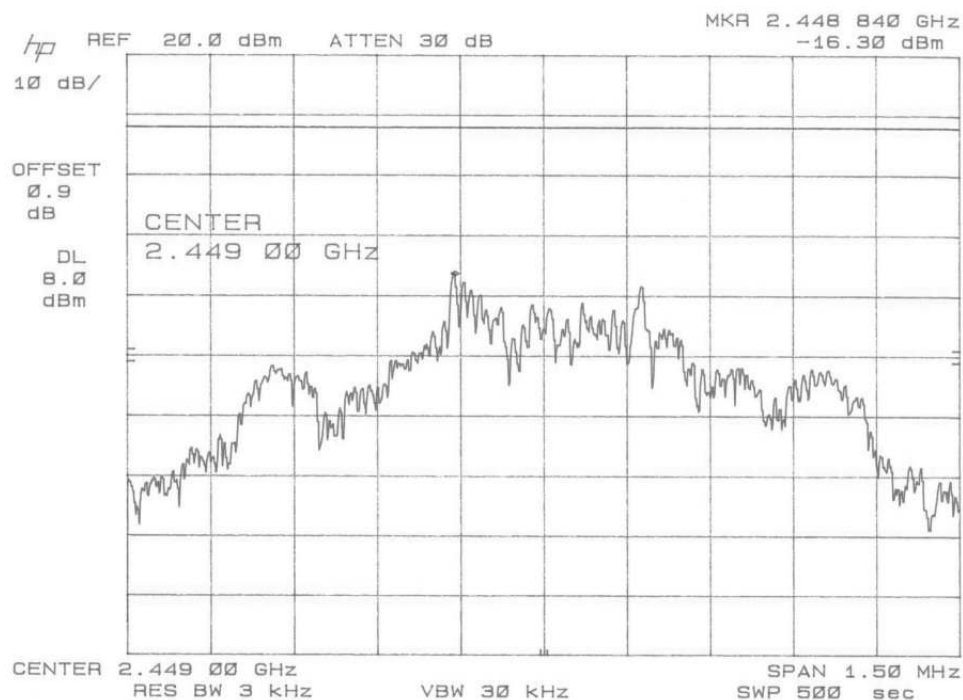
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Power Spectral Density</b>		
DNB Job Number:		96011		Date: 15 Jan 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation				
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)				
Description:		Smart Phone Companion				<b>Clause</b> 15.247(e)
		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    [X] Yes    [ ] No <i>Les Payne</i>						
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
High	2480	-15.8	8.0	-23.8	Pass	




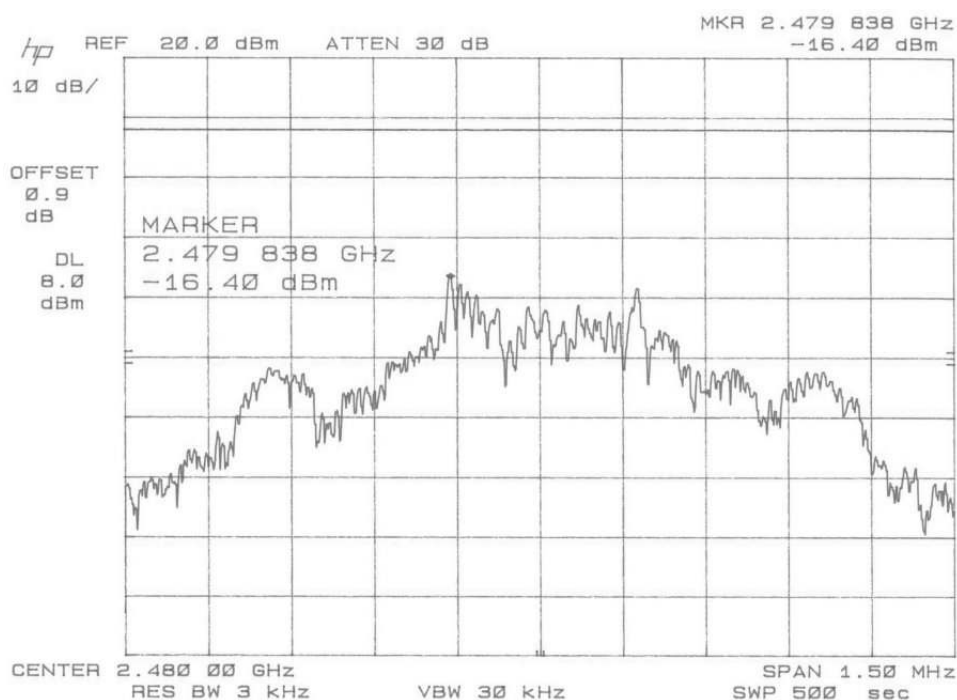
		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Power Spectral Density</b>		
DNB Job Number:		96011		Date: 15 Jan 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation				
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)				
Description:		Smart Phone Companion				<b>Clause</b> 15.247(e)
		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    [X] Yes    [ ] No <i>Les Payne</i>						
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
Low	2402	-16.3	8.0	-24.3	Pass	



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Power Spectral Density</b>		
DNB Job Number:		96011		Date: 15 Jan 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation				
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)				
Description:		Smart Phone Companion				<b>Clause</b> 15.247(e)
		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    [X] Yes    [ ] No <i>Les Payne</i>						
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
Middle	2449	-16.3	8.0	-24.3	Pass	



		1100 E Chalk Creek Road Coalville, UT 84017 (435) 336-4433 FAX (435) 336-4436		<b>Power Spectral Density</b>		
DNB Job Number:		96011		Date: 15 Jan 2008		<b>Conformance Standard</b>  FCC Part 15
Customer:		Celio Technology Corporation				
Model Number:		REDFLY C8-N (Inclusive of REDFLY C7)				
Description:		Smart Phone Companion				<b>Clause</b> 15.247(e)
		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    [X] Yes    [ ] No <i>Les Payne</i>						
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
High	2480	-16.4	8.0	-24.4	Pass	



## 2.1033 (b) (7) Equipment Photographs

Photo 1	Internal	Top of PCB
Photo 2	Internal	Bottom of PCB
Photo 3	Internal	Close up of Bluetooth Radio Section
Photo 4	External	Front of Unit - Closed
Photo 5	External	Front of Unit - Opened
Photo 6	External	Back of Unit - Opened
Photo 7	External	Bottom of Unit - Label Location

Photo 1

Internal

Top of PCB

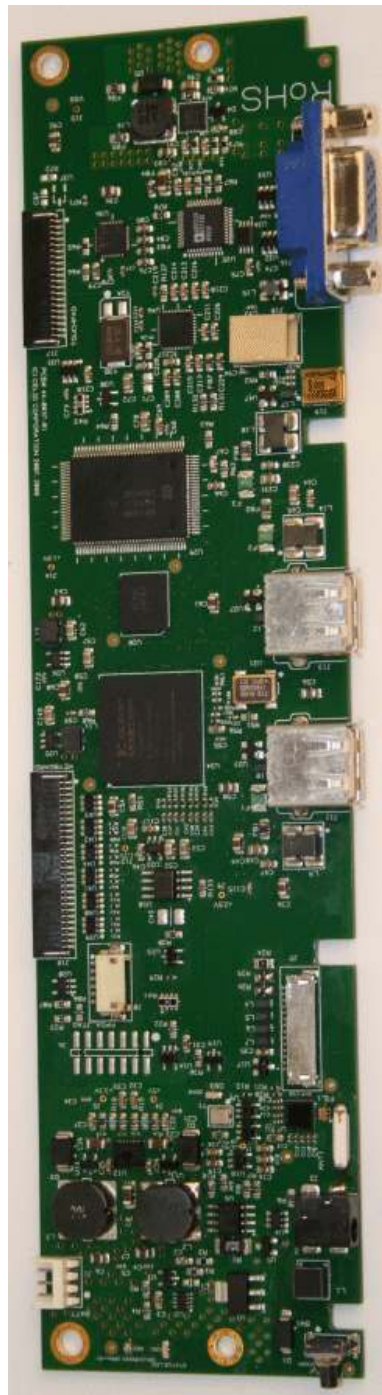


Photo 2

Internal

Bottom of PCB

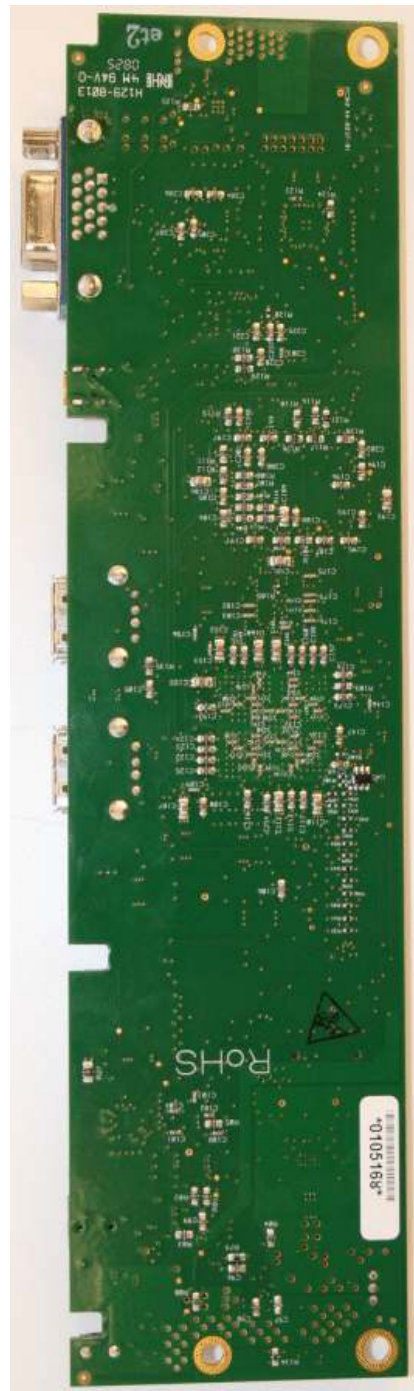




Photo 3 Internal Close up of Bluetooth Radio Section

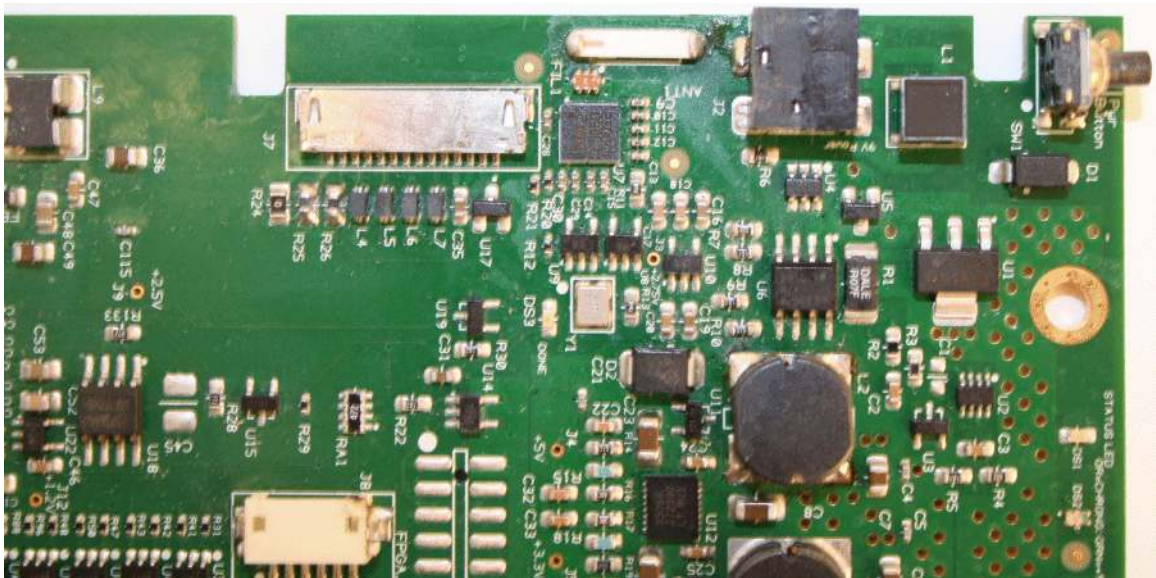


Photo 4      External      Front of Unit - Closed



Photo 5      External      Front of Unit - Opened



Photo 6      External      Back of Unit - Opened



Photo 7      External      Bottom of Unit - Label Location



## RF Exposure – MPE Calculations (2400-2483.5 MHz Band)

Transmitter Power: 1.05 mW

Antenna Gain: 3 dB

Cable loss: 0 dB

Frequency range: 2400 - 2483.5 MHz

## Assumptions

1. A single ¼ wavelength radiating antenna is assumed.
2. Closest exposure distance is assumed to be 2 cm

## Calculations

The following results shall be assumed to be accurate for the far-field only. These predictions will over-estimate power density in the near-field. Based on the use of a ¼ wavelength radiator, a distance of 2 cm is considered to be in the far-field for all cases.

$$S = PG/4\pi R^2$$

P is 1.05 mW

G is 3 dB (Antenna gain – loss) or  $10^{(3/10)}$  or 2.0

R is 5 cm

$$S = 0.041700 \text{ mW/cm}^2$$

For Occupational/Controlled Exposure

From 1,500 to 100,000 MHz, power density limit is **5 mW/cm<sup>2</sup> for 6 minutes**

For General Population/Uncontrolled Exposure

From 1,500 to 100,000 MHz, power density limit is **1 mW/cm<sup>2</sup> for 30 minutes**Conclusion: ***Meets MPE limits***

End of Report