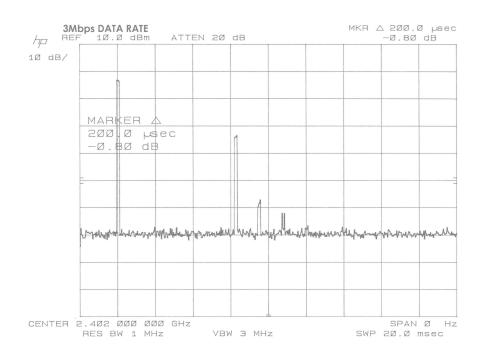


## Max Time on Channel Freq

				111421 1		unii i	104		
DNB Job Number	r: 960	11		15 Aug 2008	Conformance				
Customer:	Cel	io Tech	nology Corporation			Standard			
Model Number:	RE	EDFLY C8-N (Inclusive of REDFLY C7)  FCC P							
Description:	Sma	art Phoi	ne Companion				ause		
	3M	Mbps data rate 15.247(a,1,iii)							
Environmental Conditions									
Ambient T	emperature		Relative Hu	ımidity	Barom	etric Press	ure		
19	°C		28 %		1	01.8 kPa			
EUT performed v	vithin the red	quireme	ents of the applicable st	andard [X] Yes	s []No Le	es Payne			
Center Freq Chl	Pulse Dur	ration	Time to Next Pulse	Calculated on time	Allowed On Time Pass/				
2402MHz	0.0002	Sec	30.15 mSec	0.2096 sec	0.4sec in 3	Pass			

Single channel on time = 0.0002 sec = 0.2 msec = 200 usecCalculated on time = 31600 msec / 30.15 msec \* 0.2 msec = 209.6 msec = 0.2096 secondsLimit is based upon 0.4 seconds times number of hopping channels = 0.4 \* 79 = 31.6 sec

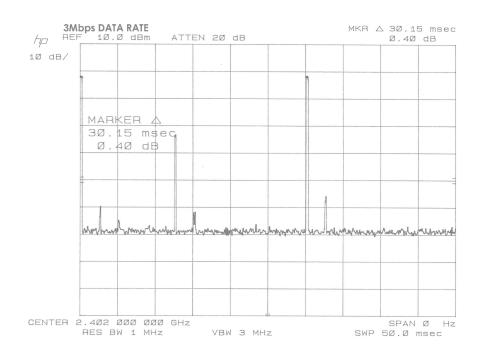




### Max Time on Channel Freq

		` ,	WIGA I	inic on Ch	anneri	rcq				
DNB Job Numbe	r: 96011		Date:	15 Aug 2008	Conformance					
Customer:	Celio Te	chnology Corporation			Standard					
Model Number:	REDFL	C8-N (Inclusive of RE	DFLY C7)		FCC 1	Part 15				
Description:	Smart Pl	Smart Phone Companion Claus								
	3Mbps d	15.247(a,1,iii)								
	Environmental Conditions									
Ambient T	emperature	Relative Hu	umidity	Barom	etric Press	ure				
19	°C	28 %		1	01.8 kPa					
EUT performed v	vithin the require	ments of the applicable s	tandard [X] Yes	[ ] No Le	s Payne					
Center Freq Chl	Pulse Duration	Time to Next Pulse	Calculated on time	Allowed On Time Pa		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 = 0.2 msec = 200 usecCalculated on time = 31600 msec / 30.15 msec \* 0.2 msec = 209.6 msec = 0.2096 secondsLimit is based upon 0.4 seconds times number of hopping channels = 0.4 \* 79 = 31.6 sec



#### 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.

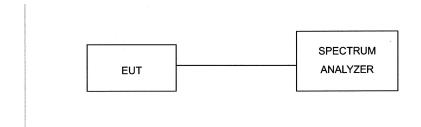
The transmitter output was connected to a spectrum analyzer.

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:



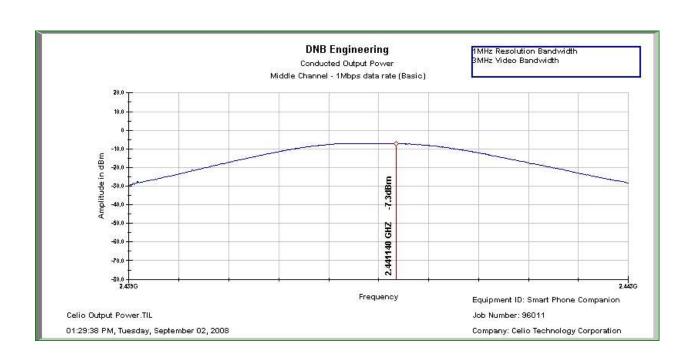


		Team Surpur Tower (Cond								
DNB Job Nu	mber: 9	6011								
Customer:	C	Celio Technolog	gy Corporation			St	Standard			
Model Numb	er: R	REDFLY C8-N	(Inclusive of R	EDFLY C7)		FC	C Part 15			
Description:	S	Smart Phone Co	mpanion				Clause 15.247(b,1)			
	1Mbps data rate (Basic data rate) - Low Channel									
Environmental Conditions										
Ambie	ent Temperatu	re	Relative l	Humidity	]	Barometric Pre	essure			
	21 °C		25	%		101.2 kPa	ı			
EUT perform	ned within the	requirements o	f the applicable	standard [X	[]Yes []No	Les Payne				
Freq MHz	MHz Meas Peak Lim Pwr (dBm) (dBn		Delta (dBm)	Meas Peak Pwr (mW)	Limit (mW)	Delta (mW)	Pass/Fail			
2402	2 - 1.7 20.9		-22.67	0.676	125	-124.324	Pass			



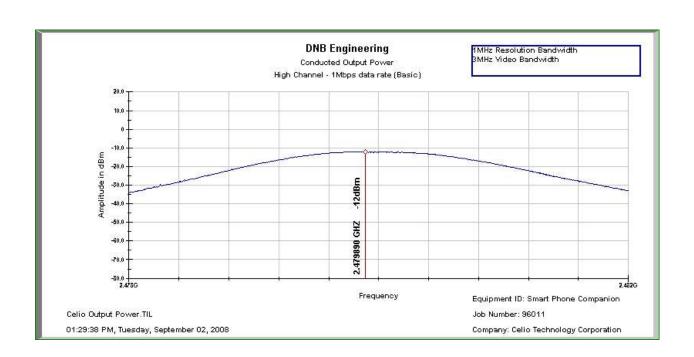


		Team Suspent Tower (Sond)								
DNB Job Nu	mber: 9	6011		8008	Conformance					
Customer:	C	Celio Techno	logy Corporation				Standard			
Model Numb	er: R	REDFLY C8	-N (Inclusive of R	EDFLY C7)			FCC Part 15			
Description:	S	mart Phone	Companion				Clause			
	1	Mbps data rate (Basic data rate) - Mid Channel								
	Environmental Conditions									
Ambie	ent Temperatu	re	Relative H	Humidity	]	Barometric	Pressure			
	21 °C		25	%		101.2	kPa			
EUT perform	ned within the	requirement	s of the applicable	standard [X	X] Yes [] No	Les Pa	yne			
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	-124.81	4 Pass			



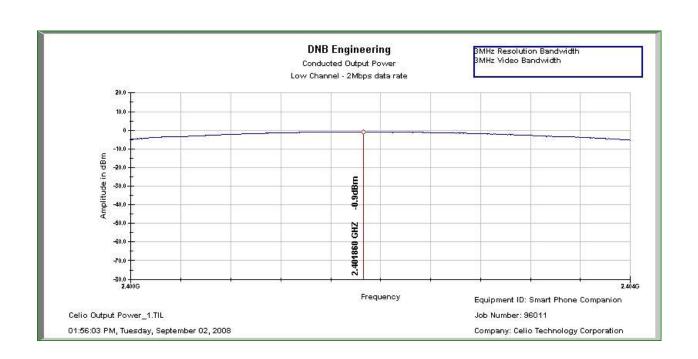


		Team Surpur Tower (Sone								
DNB Job Nu	mber:	96011			nformance					
Customer:	(	Celio Techn	ology Corporation				Standard			
Model Numb	er: I	REDFLY C	3-N (Inclusive of R)	EDFLY C7)		F	FCC Part 15			
Description:	5	Smart Phone		Clause						
	1	Mbps data	Mbps data rate (Basic data rate) - High Channel							
Environmental Conditions										
Ambie	ent Temperatu	ıre	Relative H	Humidity	]	Barometric P	ressure			
	21 °C		25	%		101.2 kI	<b>P</b> a			
EUT perform	ned within the	requiremen	ts of the applicable	standard [X	X] Yes [] No	Les Payn	e			
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			



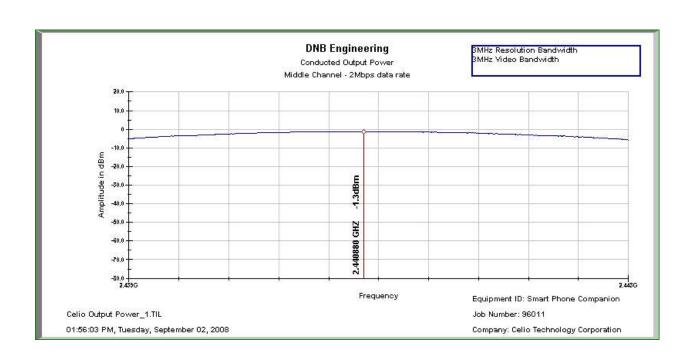


		Team Support Sweet (Conta								
DNB Job Nu	mber: 9	06011			onformance					
Customer:	C	Celio Techno	ology Corporation				Standard			
Model Numb	er: F	REDFLY C8	-N (Inclusive of RI	EDFLY C7)		F	FCC Part 15			
Description:	S	Smart Phone	Companion		Clause					
	2	Mbps data r	ate - Low Channel	1	5.247(b,1)					
Environmental Conditions										
Ambie	ent Temperatu	ire	Relative H	Iumidity	]	Barometric P	ressure			
	21 °C		25	%		101.2 kl	Pa			
EUT perform	ed within the	requirement	s of the applicable	standard [X	[] Yes [] No	Les Payn	e			
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 -1			-124.187	Pass				



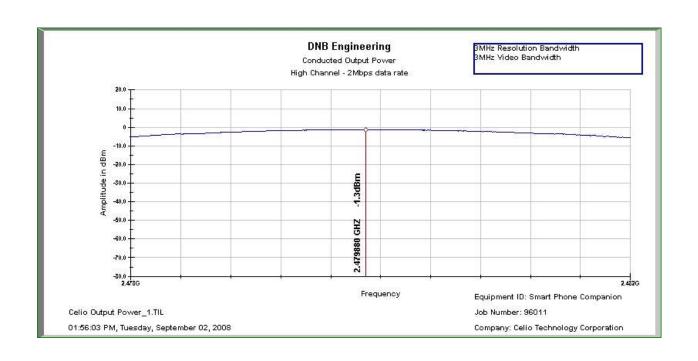


		1 can datput 1 dwe1 (con								
DNB Job Nu	mber: 9	6011		8008	Conformance					
Customer:	C	elio Technol	ogy Corporation			Standard				
Model Numb	er: R	EDFLY C8-	N (Inclusive of RI	EDFLY C7)			FCC Part 15			
Description:	S	mart Phone (	Companion				Clause			
	2	Mbps data rate - Mid Channel								
	Environmental Conditions									
Ambie	ent Temperatu	re	Relative H	Iumidity	]	Barometric	etric Pressure			
	21 °C		25	%		101.2	kPa			
EUT perform	ned within the	requirements	of the applicable	standard [X	X] Yes [] No	Les Pa	yne			
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	-124.25	9 Pass			



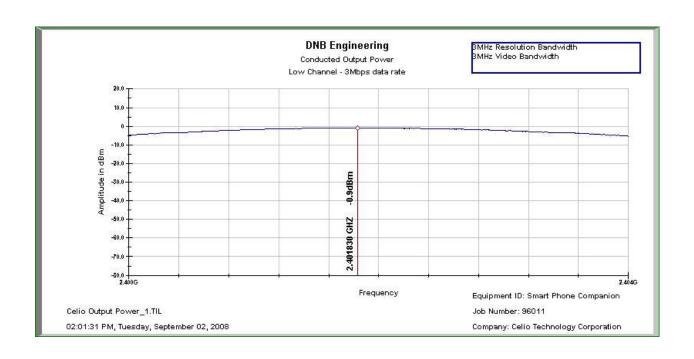


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DNB Job Nu	mber: 90	6011		formance						
Customer:	С	elio Technol	ogy Corporation	·		St	andard			
Model Numb	er: R	EDFLY C8-1	N (Inclusive of Rl	EDFLY C7)		FC	C Part 15			
Description:	Si	mart Phone C	Companion				Clause			
	21	2Mbps data rate - High Channel								
	Environmental Conditions									
Ambi	ent Temperatui	re	Relative F	Humidity	1	Barometric Pre	essure			
	21 °C		25	%		101.2 kPa	l			
EUT perform	ned within the i	requirements	of the applicable	standard [X	X] Yes [] No	Les Payne				
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 -1				-124.259	Pass			



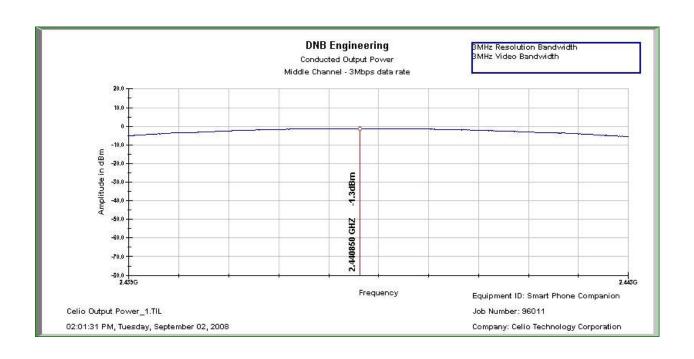


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DNB Job Nu	mber: 90	6011			formance					
Customer:	С	elio Technol	ogy Corporation			St	andard			
Model Numb	er: R	EDFLY C8-	N (Inclusive of RI	EDFLY C7)		FC	C Part 15			
Description:	Si	mart Phone (		Clause						
	31	Mbps data rate - Low Channel								
	Environmental Conditions									
Ambie	ent Temperatui	re	Relative H	Humidity	]	Barometric Pre	essure			
	21 °C		25	%		101.2 kPa	ı			
EUT perform	ned within the 1	requirements	of the applicable	standard [X	X] Yes [] No	Les Payne				
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 -1				-124.187	Pass			



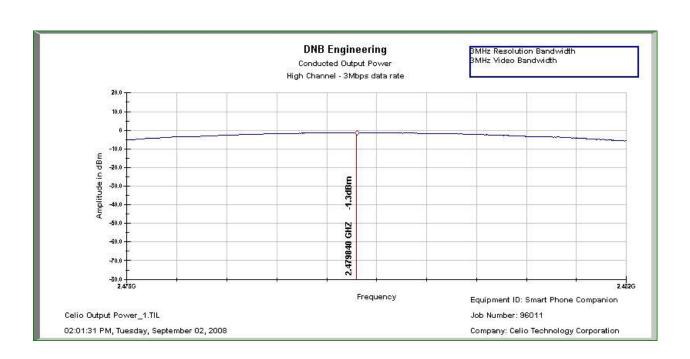


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DNB Job Nu	mber: 9	6011			formance				
Customer:	C	elio Techno	logy Corporation			St	andard		
Model Numb	er: R	EDFLY C8-	N (Inclusive of RI	EDFLY C7)		FC	C Part 15		
Description:	S		Clause						
	33	15.	247(b,1)						
Environmental Conditions									
Ambie	ent Temperatui	re	Relative H	Iumidity	]	Barometric Pre	ssure		
	21 °C		25 9	%		101.2 kPa			
EUT perform	ed within the	requirements	s of the applicable	standard [X	[]Yes []No	Les Payne			
Freq MHz	Meas Peak Pwr (dBm)	Limit (dBm)	Delta (dBm)			Delta (mW)	Pass/Fail		
2441	-1.30	20.97	-22.27	0.741	125	-124.259	Pass		





					_	`	,			
DNB Job Nu	mber: 90	6011			formance					
Customer:	C	elio Technol	ogy Corporation			St	andard			
Model Numb	er: R	EDFLY C8-	N (Inclusive of R)	EDFLY C7)		FC	C Part 15			
Description:	S	Smart Phone Companion								
	31	BMbps data rate - High Channel								
Environmental Conditions										
Ambie	ent Temperatui	re	Relative I	Humidity	1	Barometric Pre	netric Pressure			
	21 °C		25	%		101.2 kPa	ı			
EUT perform	ned within the	requirements	of the applicable	standard [X	X] Yes [] No	Les Payne				
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 -1				-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

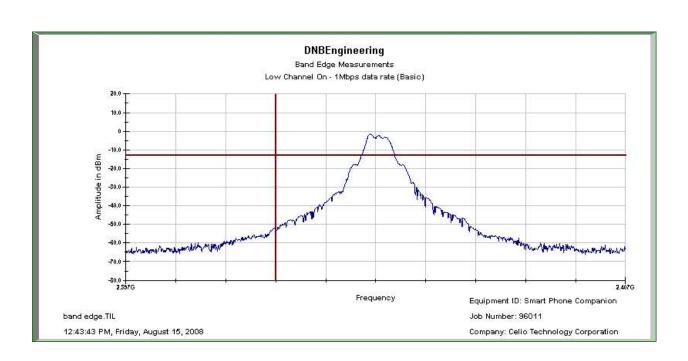
Allow the trace to stabilize. Set the marker on the emission at the bandedge, or on the highest modulation product outside of the band, if this level is greater than that at the bandedge. Enable the marker-delta function, then use the marker-to-peak function to move the marker to the peak of the in-band 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

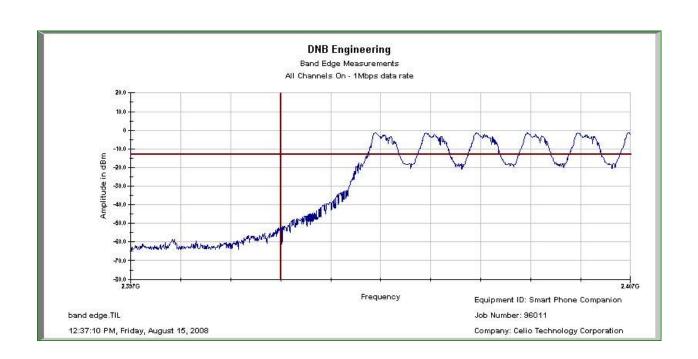


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DNB Job Nu	ımber:	96011 Date: 15 Aug 200									
Customer:	(	Celio Techr	olog	y Corporation					Standard		
Model Numb	per:	REDFLY C	8-N	(Inclusive of R	EDFLY C7)				FCC Part 15		
Description: Smart Phone Companion								Clause			
	1Mbps data rate (Basic data rate)								15	5.247(d)	
Ambi	ent Temperati	ıre	Relative Humidity Baron					arome	netric Pressure		
	19 °C			28	%			10	1.8 kPa		
EUT perforn	ned within the	requireme	nts of	f the applicable	standard [X	[] Yes	s [] No	Les	Payne		
	Band Edge		Radiated Corrected Edge Measurement			Fr	Freq				
Limit	Lower (MHz)	Uppe (MHz		Limit (dBuV/m)	Measured (dBuV/m)	_	Delta I		elta Hz)	Pass/Fail	
2400	2401.815			54.0	44.1		-9.4	1.8	315	Pass	



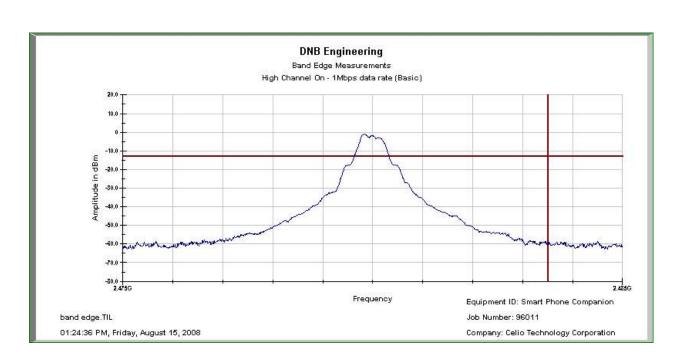


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DNB Job Nu	ımber:	96011			Date:	15 Au	g 2008		formance	
Customer:		Celio Techi	nolog	gy Corporation				Standard		
Model Numl	per:	REDFLY C8-N (Inclusive of REDFLY C7)							C Part 15	
Description:		Smart Phone Companion						Clause		
		1Mbps data rate (Basic data rate)						15.247(d)		
Ambi	ent Temperat	ure		Relative l	Humidity		Baron	metric Pressure		
	19 °C			28	%		1	101.8 kPa		
EUT perform	ned within the	requireme	nts o	f the applicable	standard [X	[]Yes []	No Le	es Payne		
	Band Edge		Radiated Corrected Edge Measurement				ı	Freq		
Limit	Lower (MHz)	Uppe (MHz		Limit (dBuV/m)	Measured Delta (dBuV/m) (dBuV)		1	Delta MHz)	Pass/Fail	
2400	2401.815			54.0	44.1	-9.9	1	.815	Pass	



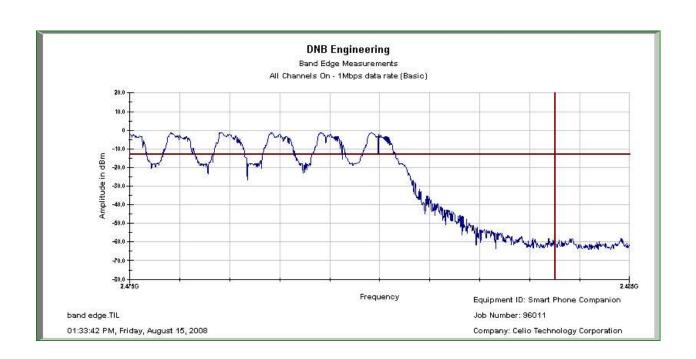


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DNB Job Nu	ımber:	96011			Date:	15 Aug 2	8008		formance	
Customer:		Celio Techi	nology Cor	poration				Standard		
Model Numb	per:	REDFLY C	REDFLY C8-N (Inclusive of REDFLY C7)							
Description:		Smart Phone Companion							Clause	
		1Mbps data rate (Basic data rate)						15.247(d)		
Ambi	ent Tempera	ture	I	Relative I	Humidity	]	Barome	netric Pressure		
	19 °C			28	%		10	1.8 kPa		
EUT perform	ned within th	ne requireme	nts of the a	pplicable	standard [X	[] Yes [] No	Les	Payne		
	Band Edg	e	Radiated Corrected Edge			d Edge Measurement		eq		
Limit	Lower (MHz)	Uppe (MHz	_	imit uV/m)	Measured (dBuV/m)	Delta (dBuV)	De	elta Hz)	Pass/Fail	
2483.5		2479.7	79 5	54.0	43.8	-10.2	3.7	721	Pass	



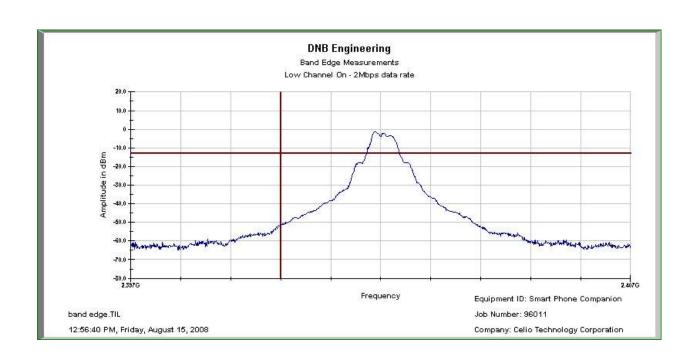


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DNB Job Nu	mber:	96011			Date:	15 Aı	ıg 2008		formance		
Customer:		Celio Techi	nolog		Standard						
Model Numb	er:	REDFLY C8-N (Inclusive of REDFLY C7)							C Part 15		
Description:		Smart Phone Companion							Clause		
		1Mbps data rate (Basic data rate)						15.247(d)			
Ambi	ent Tempera	ture		Relative l	Humidity		Baron	netric Pressure			
	19 °C			28	%		1	101.8 kPa			
EUT perform	ned within th	e requireme	nts of	the applicable	standard [X	Yes []	No Le	es Payne			
	Band Edg	e		Radiated Corrected Edge Measure			surement				
Limit	Lower Upp (MHz) (MH			Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)		Delta MHz)	Pass/Fail		
2483.5	3.5 2479.7		79	54.0	43.8	-10.2	3	.721	Pass		



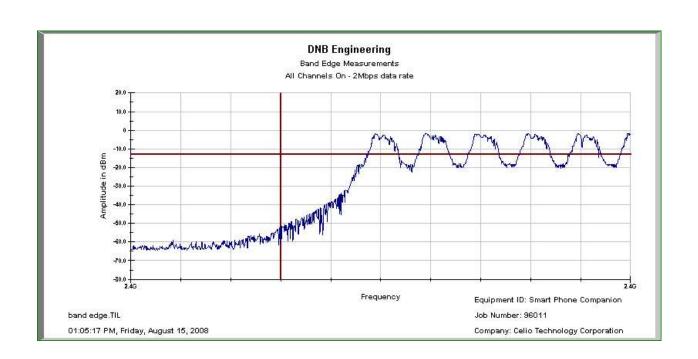


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DNB Job Nu	ımber:	96011			Date:	15 Aug	2008			
Customer:		Celio Techi	nolog	gy Corporation				Standard		
Model Numb	per:	REDFLY C8-N (Inclusive of REDFLY C7)							C Part 15	
Description:		Smart Phone Companion						Clause		
		2Mbps data rate						15.247(d)		
Ambi	ent Temperat	ure		Relative l	Humidity		Barom	netric Pressure		
	19 °C			28	%		1	101.8 kPa		
EUT perform	ned within the	requireme	nts o	f the applicable	standard [X	[]Yes []N	o Le	s Payne		
	Band Edge			Radiated Corrected Edge Measurement				'req		
Limit	Lower (MHz)	Uppe (MHz		Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)	D	elta IHz)	Pass/Fail	
2400	2401.815			54.0	44.1	-9.9	1.	815	Pass	



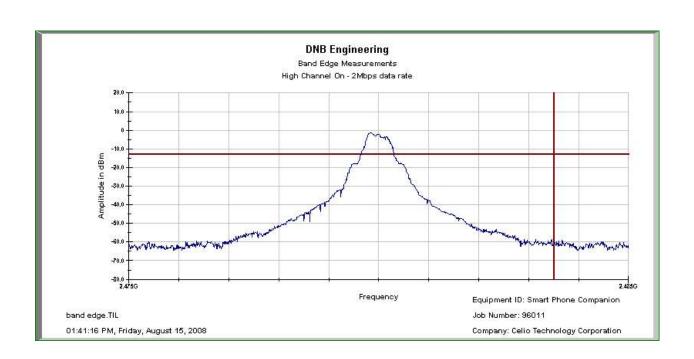


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DNB Job Nu	mber:	96011			Date:	15 Aug	2008		formance andard		
Customer:		Celio Techr	Celio Technology Corporation								
Model Numb	oer:	REDFLY C	8-N		FCC Part 15						
Description:		Smart Phon	Smart Phone Companion						Clause		
		2Mbps data	2Mbps data rate						5.247(d)		
Ambi	ent Tempera	ture		Relative l	Humidity		Baron	metric Pressure			
	19 °C			28	%		1	01.8 kPa	1		
EUT perform	ned within th	e requireme	nts of	f the applicable	standard [X	[]Yes []N	o Le	es Payne			
	Band Edge	e		Radiated Corrected Edge Measurement				Freq			
Limit	Lower (MHz)	Uppe: (MHz		Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)	Ι	Delta MHz)	Pass/Fail		
2400	00 2401.815			54.0	44.1	-9.9	1	.815	Pass		



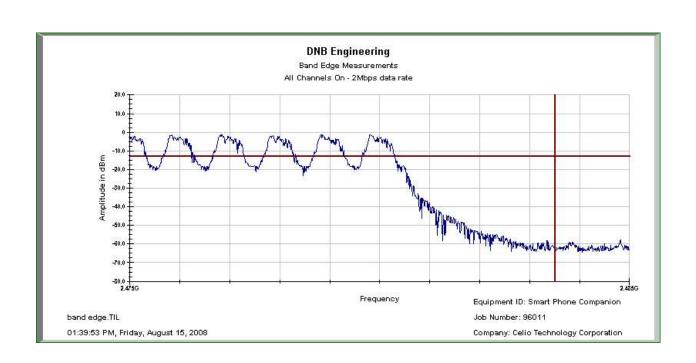


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DNB Job Nu	ımber:	96011			Date:	15 Aug 2	8008		formance	
Customer:		Celio Techi	nolog	y Corporation				Standard		
Model Numb	per:	REDFLY C8-N (Inclusive of REDFLY C7)							C Part 15	
Description:		Smart Phone Companion						Clause		
		2Mbps data rate							5.247(d)	
Ambi	ent Temperat	ure		Relative l	Humidity	]	Baromet	metric Pressure		
	19 °C			28	%		101	101.8 kPa		
EUT perform	ned within th	e requireme	nts of	the applicable	standard [X	[] Yes [] No	Les	Payne		
	Band Edge	;		Radiated Corrected Edge Measurement				eq		
Limit	Lower (MHz)	Uppe (MHz		Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)	Del (ME	ta	Pass/Fail	
2483.5	3.5 2479.77		79	54.0	43.8	-10.2	3.72	21	Pass	



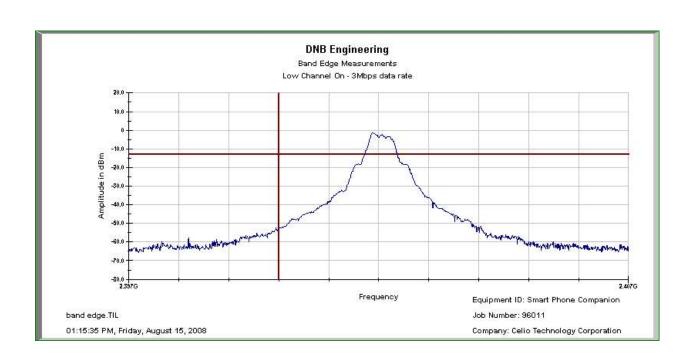


		wica	leasur ements							
DNB Job Nu	mber:	96011			Date:	15 Aug 2	2008		formance	
Customer:		Celio Techi	nology		Standard					
Model Numb	er:	REDFLY C	28-N (		FCC Part 15					
Description:		Smart Phon	e Con		Clause					
		2Mbps data	rate					15	5.247(d)	
Ambi	ent Tempera	nture		Relative l	Humidity		Baron	metric Pressure		
	19 °C			28	%		1	101.8 kPa		
EUT perforn	ned within tl	ne requiremen	nts of	the applicable	standard [X	Yes [] No	) Le	es Payne		
	Band Edg	e		Radiated Corrected Edge Measurement				req		
Limit	Limit Lower Upper (MHz) (MHz)				Measured (dBuV/m)	Delta (dBuV)	Г	Pelta ИНz)	Pass/Fail	
2483.5	2483.5 2479.77		79	54.0	43.8	-10.2	3	.721	Pass	



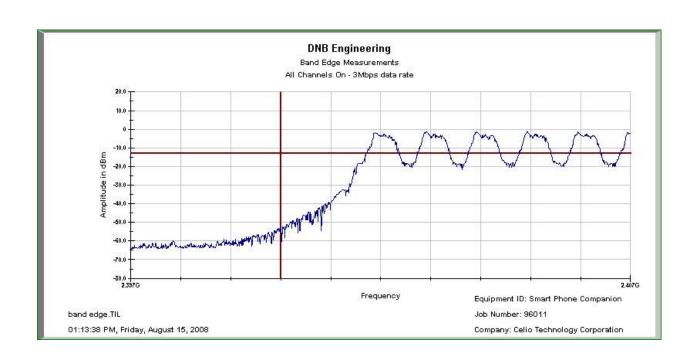


DNB Job Nu	ımber:	96011 Date: 15 Aug 20						800		formance	
Customer:		Celio Techr	nolog	y Corporation					St	andard	
Model Numl	per:	REDFLY C8-N (Inclusive of REDFLY C7)							FC	C Part 15	
Description:		Smart Phone Companion							Clause		
		3Mbps data rate							15.247(d)		
Ambi	ent Tempera	ture		Relative l	Humidity		F	Barom	metric Pressure		
	19 °C			28	%			1	01.8 kPa	ı	
EUT perform	ned within th	e requireme	nts o	f the applicable	standard [X	K] Yes	s [] No	Le	s Payne		
	Band Edge	e		Radiated Corrected Edge Measurement				F	'req		
Limit	Lower Uppe (MHz) (MHz			Limit (dBuV/m)	Measured (dBuV/m)	_	Delta BuV)	D	elta IHz)	Pass/Fail	
2400	2400 2401.815			54.0	44.1		-9.9	1.	815	Pass	



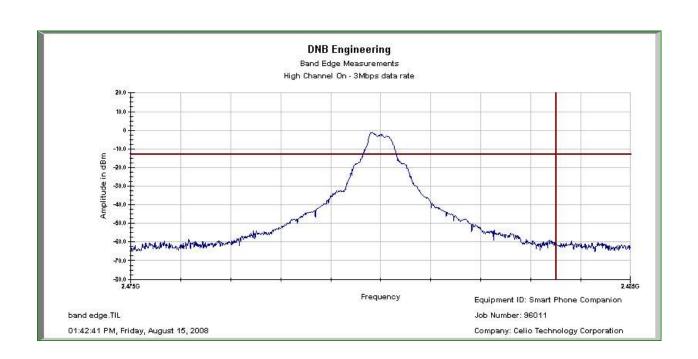


					٠,	ma Lage	III Cui	asai ements		
DNB Job Nu	ımber:	96011			Date:	15 Aug	2008			
Customer:		Celio Techi	nolog	gy Corporation				Standard		
Model Numb	per:	REDFLY C8-N (Inclusive of REDFLY C7)							C Part 15	
Description:		Smart Phone Companion						Clause		
		3Mbps data rate						15.247(d)		
Ambi	ent Temperat	ure		Relative l	Humidity		Barom	netric Pressure		
	19 °C			28	%		10	101.8 kPa		
EUT perform	ned within the	requireme	nts o	f the applicable	standard [X	[]Yes []N	o Le	s Payne		
	Band Edge			Radiated Corrected Edge Measurement				req		
Limit	Lower (MHz)	Uppe (MHz		Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)	D	elta IHz)	Pass/Fail	
2400	2401.815			54.0	44.1	-9.9	1.	815	Pass	



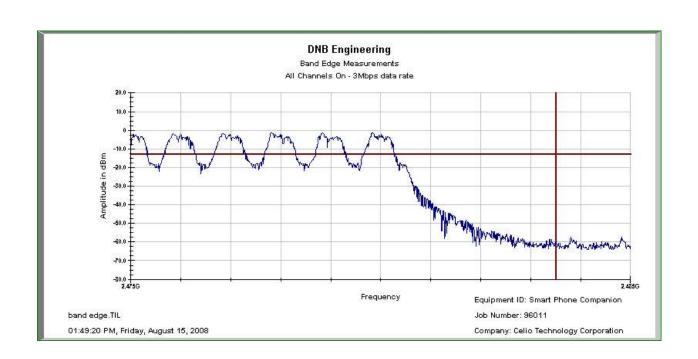


						ina Bage	··· Cub	asai ements		
DNB Job Nu	mber:	96011			Date:	15 Aug 2	2008		formance	
Customer:		Celio Techi	nolog	y Corporation				Standard		
Model Numb	oer:	REDFLY C8-N (Inclusive of REDFLY C7)							C Part 15	
Description:		Smart Phone Companion						Clause		
		3Mbps data rate						15.247(d)		
Ambi	ent Temperat	ure		Relative l	Humidity		Barome	netric Pressure		
	19 °C			28	%		10	101.8 kPa		
EUT perforn	ned within th	e requireme	nts of	the applicable	standard [X	[] Yes [] No	Les	Payne		
	Band Edge	;		Radiated Corrected Edge Measurement				eq		
Limit	Lower (MHz)	Uppe (MHz		Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)	De (MI	lta	Pass/Fail	
2483.500		2479.77		54.0	43.8	-10.2	3.7	21	Pass	





						ina Bage	··· Cub	asai ements		
DNB Job Nu	mber:	96011			Date:	15 Aug 2	2008		formance	
Customer:		Celio Techi	nolog	y Corporation				Standard		
Model Numb	oer:	REDFLY C8-N (Inclusive of REDFLY C7)							C Part 15	
Description:		Smart Phone Companion						Clause		
		3Mbps data rate						15.247(d)		
Ambi	ent Temperat	ure		Relative l	Humidity		Barome	netric Pressure		
	19 °C			28	%		10	101.8 kPa		
EUT perforn	ned within th	e requireme	nts of	the applicable	standard [X	[] Yes [] No	Les	Payne		
	Band Edge	;		Radiated Corrected Edge Measurement				eq		
Limit	Lower (MHz)	Uppe (MHz		Limit (dBuV/m)	Measured (dBuV/m)	Delta (dBuV)	De (MI	lta	Pass/Fail	
2483.500		2479.77		54.0	43.8	-10.2	3.7	21	Pass	





### **Conducted Spurious**

DNB Job Number:	96011		14 Aug 2008	Conformance	
		1 C	111145 2000	Standard	
Customer:	Ceno Tecni	nology Corporation			
Model Number:	REDFLY C	28-N (Inclusive of RED		FCC Part 15	
Description:	Smart Phon	e Companion	Clause		
	Test Proced	lure			15.247(d)
Ambient Temper	ature	Relative Hur	nidity	Baron	netric Pressure
21 °C	01.2 kPa				
EUT performed within t	he requireme	nts of the applicable sta	andard [X]	] Yes [] No Le	es Payne

#### **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

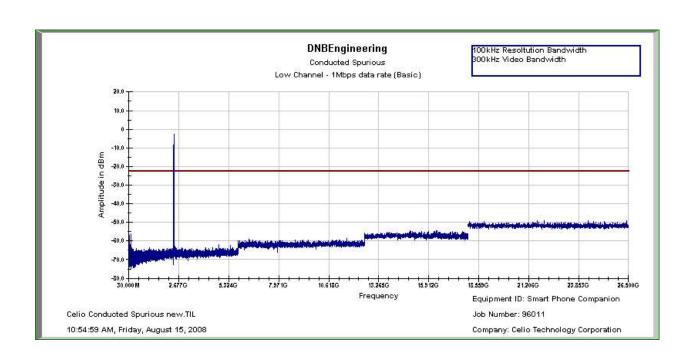
Detector function = peak

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.

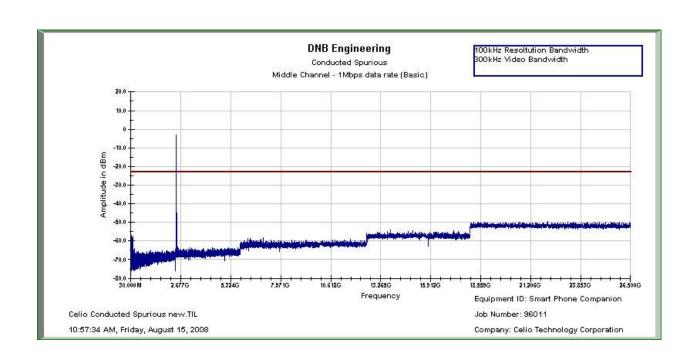


DNB Job Number:	96011		Date:	14 Aug 2	800	Conformance
Customer:	Celio Techi	nology Corporation		Standard		
Model Number:	REDFLY C	28-N (Inclusive of R		FCC Part 15		
Description:	Smart Phon	e Companion		Clause		
	1Mbps data	rate (Basic data rate		15.247(d)		
Ambient Temper	ature	Relative Humidity Baron			metric Pressure	
21 °C		25 %			101.2 kPa	
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne						
Peak Output Power	er Reading		-20dBc		Pass/Fall	
-2.9 dBm		-2.9 dBm	-22.9 dBr	-22.9 dBm		Pass



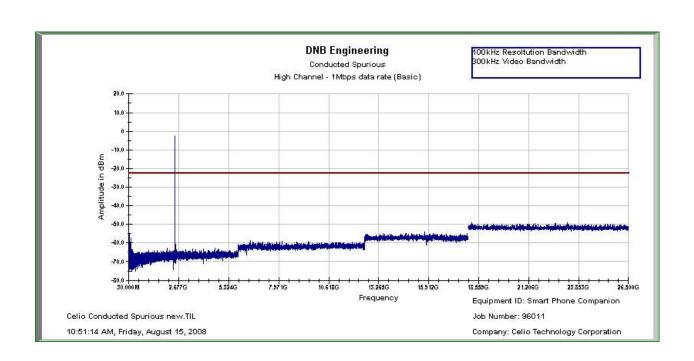


DNB Job Number:	96011	96011 Date: 14 Aug 2008			8008		
Customer:	Celio Techr	nology Corporation		Standard			
Model Number:	REDFLY C	28-N (Inclusive of R		FCC Part 15			
Description:	Smart Phon	e Companion		Clause			
	1Mbps data	15.247(d)					
Ambient Temper	ature	Relative Humidity Baro			Baron	ometric Pressure	
21 °C		25 %			101.2 kPa		
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							
Peak Output Power	ower Reading		-20dBc		Pass/Fall		
0.20 dBm		-2.9 dBm	-22.9 dBr	-22.9 dBm		Pass	



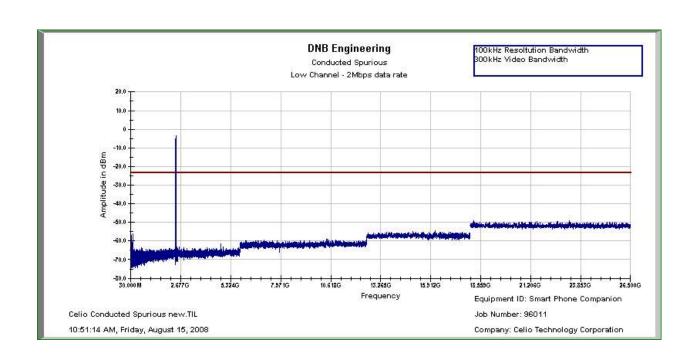


DNB Job Number:	96011		Date:	14 Aug 2			
Customer:	Celio Techi	nology Corporation		Standard			
Model Number:	REDFLY C	28-N (Inclusive of R		FCC Part 15			
Description:	Smart Phon	e Companion		Clause			
	1Mbps data	15.247(d)					
Ambient Temper	ature	Relative Humidity Baron			metric Pressure		
21 °C		25 %			1	101.2 kPa	
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							
Peak Output Power	Reading		-20dBc			Pass/Fall	
0.20 dBm	-2.5 dBm		-22.5 dBm		Pass		



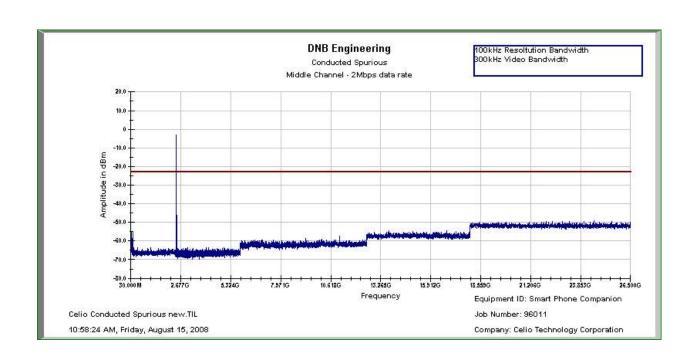


DNB Job Number:	96011		Date:	14 Aug 2	8008	Conformance	
Customer:	Celio Techr	nology Corporation		Standard			
Model Number:	REDFLY C	28-N (Inclusive of R		FCC Part 15			
Description:	Smart Phon	e Companion				Clause	
	2Mbps data		15.247(d)				
Ambient Tempera	ature	Relative Humidity Barom			metric Pressure		
21 °C		25 %			1	101.2 kPa	
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							
Peak Output Power	Reading		-20dBc		Pass/Fall		
0.20 dBm		-3.3 dBm	-23.3 dBı	-23.3 dBm		Pass	



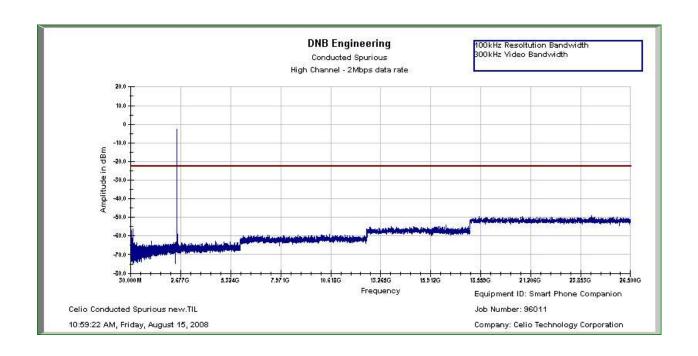


DNB Job Number:	96011		Date:	14 Aug 2			
Customer:	Celio Techr	nology Corporation		Standard			
Model Number:	REDFLY C	8-N (Inclusive of R		FCC Part 15			
Description:	Smart Phon	e Companion		Clause			
	2Mbps data	rate - Mid Channel		15.247(d)			
Ambient Tempera	ature	Relative Humidity Baron			metric Pressure		
21 °C		25 %			101.2 kPa		
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							
Peak Output Power	Peak Output Power Reading		-20dBc			Pass/Fall	
0.20 dBm	-2.9 dBm		-22.9 dBm		Pass		



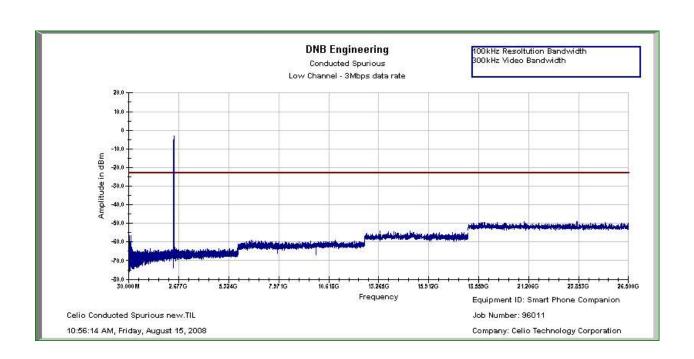


DNB Job Number:	96011		Date:	14 Aug 2	800	Conformance	
Customer:	Celio Techr	nology Corporation		Standard			
Model Number:	REDFLY C	28-N (Inclusive of R		FCC Part 15			
Description:	Smart Phon	e Companion		Clause			
	2Mbps data	rate - High Channe		15.247(d)			
Ambient Temper	ature	Relative Humidity Baron			Baron	metric Pressure	
21 °C		25 %		101.2 kPa			
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							
Peak Output Power	ak Output Power Reading		-20dBc			Pass/Fall	
0.20 dBm	-2.5 dBm		-22.5 dBn	-22.5 dBm		Pass	



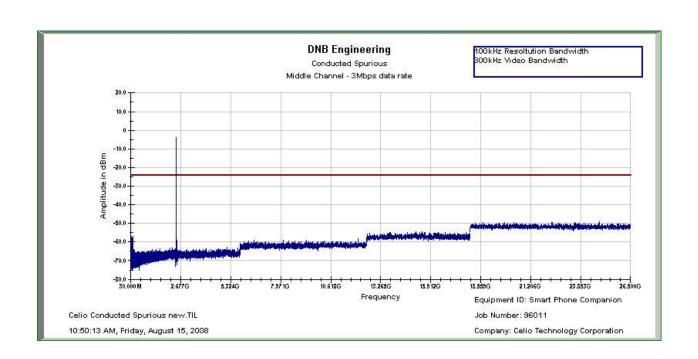


DNB Job Number:	96011 Date: 14 Aug 2008				800	Conformance	
Customer:	Celio Techr	nology Corporation		Standard			
Model Number:	REDFLY C	8-N (Inclusive of R		FCC Part 15			
Description:	Smart Phon	e Companion		Clause			
	3Mbps data	rate - Low Channe		15.247(d)			
Ambient Temper	ature	Relative Humidity Bard			Baron	ometric Pressure	
21 °C		25 %			1	101.2 kPa	
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							
Peak Output Power	ower Reading		-20dBc			Pass/Fall	
0.20 dBm	-2.9 dBm		-22.9 dBm		Pass		



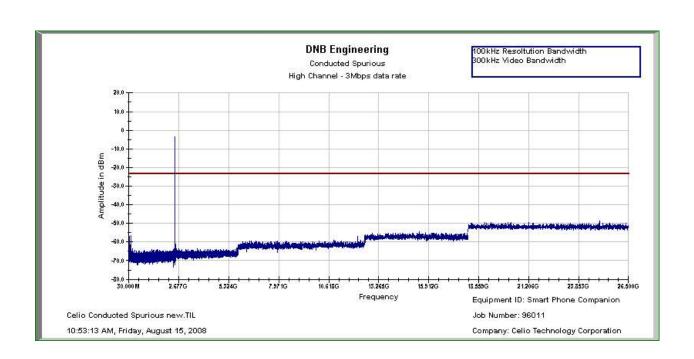


						<u> </u>	
DNB Job Number:	96011		Date:	14 Aug 2	800	Conformance	
Customer:	Celio Techr	nology Corporation		Standard			
Model Number:	REDFLY C	28-N (Inclusive of R		FCC Part 15			
Description:	Smart Phon	e Companion		Clause			
	3Mbps data	15.247(d)					
Ambient Temper	ature	Relative Humidity Baro			Barom	ometric Pressure	
21 °C		25 %			101.2 kPa		
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							
Peak Output Power	Reading		-20dBc			Pass/Fall	
0.20 dBm	-4.1 dBm		-23.7 dBm		Pass		





						<u> </u>	
DNB Job Number:	96011	96011 Date:			800	Conformance	
Customer:	Celio Techr	nology Corporation		Standard			
Model Number:	REDFLY C	8-N (Inclusive of R		FCC Part 15			
Description:	Smart Phon	e Companion		Clause			
	3Mbps data	15.247(d)					
Ambient Temper	ature	Relative Humidity Baron			metric Pressure		
21 °C		25 %			1	101.2 kPa	
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne							
Peak Output Power	wer Reading		-20dBc		Pass/Fall		
0.20 dBm	-3.3 dBm		-23.3 dBm		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  $1.5 \times 10_6 \times 3 \times 10_3 = 500$  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.

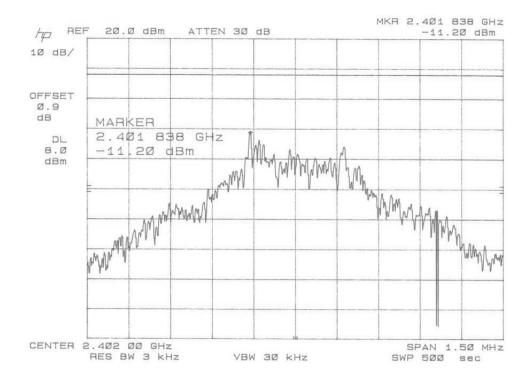
For devices with spectrum line spacing equal to or less than 3 kHz, the resolution bandwidth must be reduced below 3kHz until the individual lines in the spectrum are resolved. The measurement data must then be normalized to 3 kHz by summing the power of all the individual spectral lines within a 3kHz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

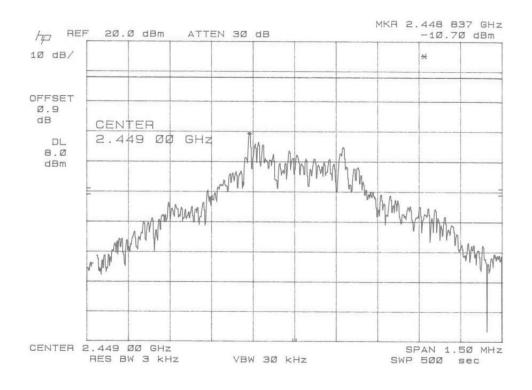


			1000	1 ower spectrum Bensity		
DNB Job Number	96011		Date:	15 Jan 2008	Conformance	
Customer:	Celio Techi	nology Corporation			Standard	
Model Number:	REDFLY C	C8-N (Inclusive of R	EDFLY C7)		FCC Part 15	
Description:	Smart Phon	Smart Phone Companion				
	1Mbps data	1Mbps data rate (Basic data rate)				
		Environment	al Conditions			
Ambient T	emperature	Relative Humidity Barom		Barometr	netric Pressure	
19 °C		28 %		101.	8 kPa	
EUT performed w	ithin the requireme	nts of the applicable	standard [X] Ye	es [] No Les P	Payne	
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
Low	2402	-11.2	8.0	-19.2	Pass	



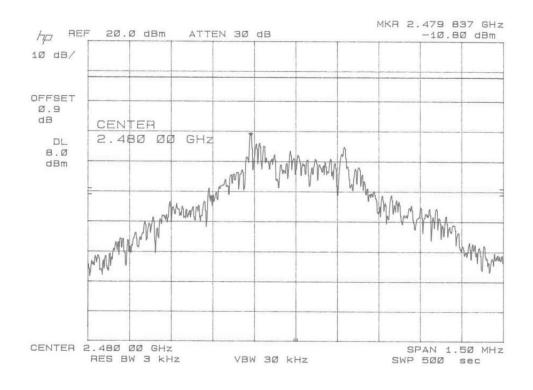


				or spectrum		
DNB Job Number	96011	96011		15 Jan 2008	Conformance	
Customer:	Celio Techi	nology Corporation			Standard	
Model Number:	REDFLY C	C8-N (Inclusive of R	EDFLY C7)		FCC Part 15	
Description:	Smart Phon	e Companion			<b>Clause</b> 15.247(e)	
	1Mbps data	1Mbps data rate (Basic data rate)				
	·	Environmenta	al Conditions			
Ambient Temperature		Relative Humidity Baron		Barometr	netric Pressure	
19 °C		28 %		101	101.8 kPa	
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne						
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
Middle	2449	-10.7	8.0	-18.7	Pass	



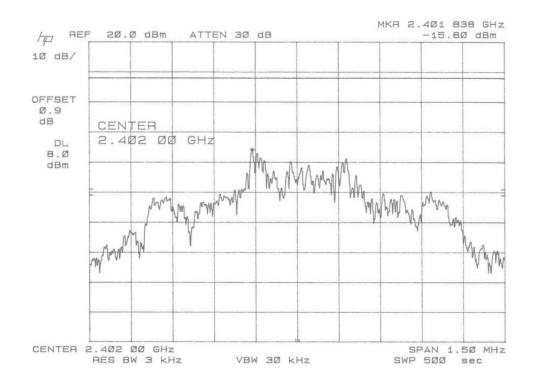


				1 ower speetral Bensie,		
DNB Job Number	96011		Date:	15 Jan 2008	Conformance	
Customer:	Celio Techi	nology Corporation			Standard	
Model Number:	REDFLY C	C8-N (Inclusive of R	EDFLY C7)		FCC Part 15	
Description:	Smart Phon	Smart Phone Companion				
	1Mbps data	1Mbps data rate (Basic data rate)				
		Environment	al Conditions			
Ambient Temperature		Relative Humidity		Barometr	ic Pressure	
19 °C		28 %		101.	8 kPa	
EUT performed w	ithin the requireme	nts of the applicable	standard [X] Ye	es [] No Les P	Payne	
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
High	2480	-10.8	8.0	-18.8	Pass	



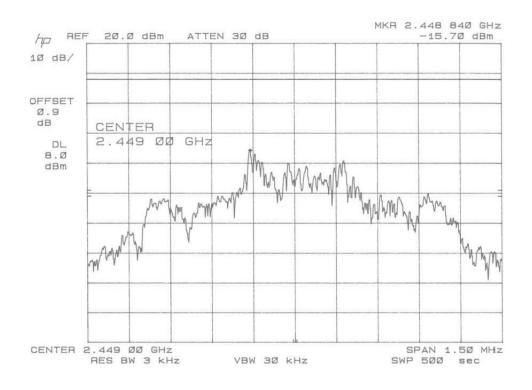


				or spectrum		
DNB Job Number	96011		Date:	15 Jan 2008	Conformance	
Customer:	Celio Techi	nology Corporation			Standard	
Model Number:	REDFLY C	C8-N (Inclusive of R	EDFLY C7)		FCC Part 15	
Description:	Smart Phon	e Companion			<b>Clause</b> 15.247(e)	
	2Mbps data	2Mbps data rate				
		Environment	al Conditions			
Ambient T	emperature	Relative l	Relative Humidity Barom		ic Pressure	
19 °C		28	%		101.8 kPa	
EUT performed within the requirements of the applicable standard [X] Yes [] No Les Payne						
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
Low	2402	-15.8	8.0	-23.8	Pass	



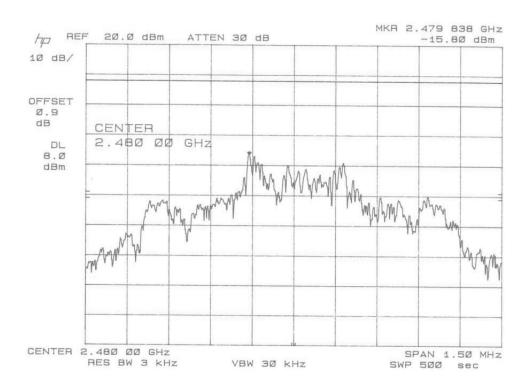


				1 ower speedful Be		
DNB Job Number	96011		Date:	15 Jan 2008	Conformance	
Customer:	Celio Tech	nology Corporation			Standard	
Model Number:	REDFLY C	C8-N (Inclusive of R	EDFLY C7)		FCC Part 15	
Description:	Smart Phon	e Companion			<b>Clause</b> 15.247(e)	
	2Mbps data	2Mbps data rate				
		Environmenta	al Conditions			
Ambient T	emperature	Relative Humidity Barom		Baromet	netric Pressure	
19 °C		28 %		101	101.8 kPa	
EUT performed w	ithin the requireme	nts of the applicable	standard [X] Ye	es [] No Les	Payne	
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
Middle	2402	-15.7	8.0	-23.7	Pass	



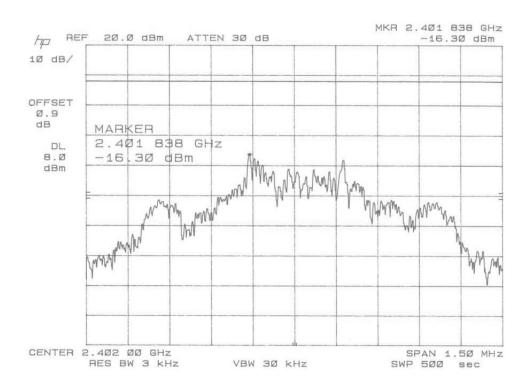


				1 over speetrar		
DNB Job Number	96011		Date:	15 Jan 2008	Conformance	
Customer:	Celio Techi	nology Corporation			Standard	
Model Number:	REDFLY C	C8-N (Inclusive of R	EDFLY C7)		FCC Part 15	
Description:	Smart Phon	e Companion			<b>Clause</b> 15.247(e)	
	2Mbps data	2Mbps data rate				
		Environmenta	al Conditions			
Ambient T	emperature	Relative Humidity Barom		Baromet	ric Pressure	
19 °C		28 %		101	101.8 kPa	
EUT performed w	ithin the requireme	nts of the applicable	standard [X] Ye	es [] No Les	Payne	
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
High	2480	-15.8	8.0	-23.8	Pass	



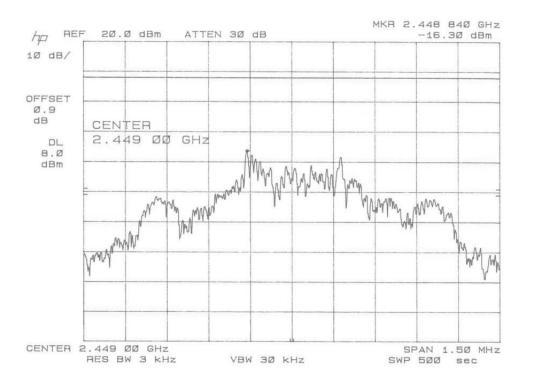


				rower spectrum		
DNB Job Number	96011		Date:	15 Jan 2008	Conformance	
Customer:	Celio Techr	nology Corporation			Standard	
Model Number:	REDFLY C	28-N (Inclusive of R	EDFLY C7)		FCC Part 15	
Description:	Smart Phon	e Companion			<b>Clause</b> 15.247(e)	
	3Mbps data	3Mbps data rate				
		Environmenta	al Conditions			
Ambient T	emperature	Relative Humidity Barom		Baromet	ric Pressure	
19 °C		28 %		101	101.8 kPa	
EUT performed w	ithin the requiremen	nts of the applicable	standard [X] Ye	es [] No Les	Payne	
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
Low	2402	-16.3	8.0	-24.3	Pass	



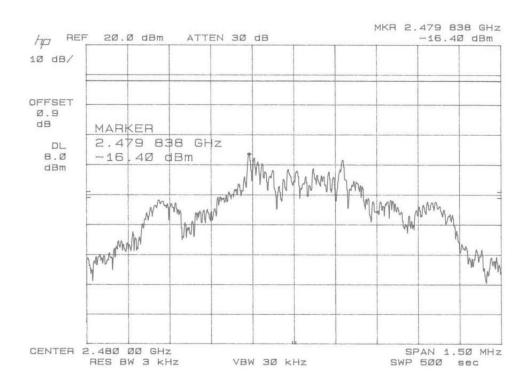


				rower speetrur		
DNB Job Number	96011		Date:	15 Jan 2008	Conformance	
Customer:	Celio Techi	nology Corporation			Standard	
Model Number:	REDFLY C	C8-N (Inclusive of R	EDFLY C7)		FCC Part 15	
Description:	Smart Phon	e Companion			Clause 15.247(e)	
	3Mbps data	3Mbps data rate				
		Environmenta	al Conditions			
Ambient T	emperature	Relative Humidity Barom		Baromet	ric Pressure	
19 °C		28 %		101	101.8 kPa	
EUT performed w	ithin the requirement	nts of the applicable	standard [X] Ye	es [] No Les I	Payne	
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail	
Middle	2449	-16.3	8.0	-24.3	Pass	





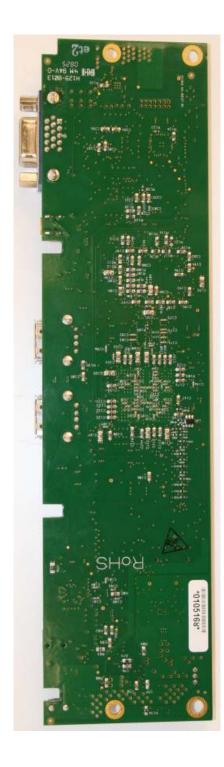
				1 ower speed at Bensity			
DNB Job Number	96011		Date:	15 Jan 2008	Conformance		
Customer:	Celio Techi	nology Corporation			Standard		
Model Number:	REDFLY C	C8-N (Inclusive of R	EDFLY C7)		FCC Part 15		
Description:	Smart Phon	Smart Phone Companion  3Mbps data rate					
	3Mbps data						
		Environment	al Conditions				
Ambient Temperature		Relative Humidity		Barometr	ic Pressure		
19 °C		28 %		101.	101.8 kPa		
EUT performed w	ithin the requireme	nts of the applicable	standard [X] Ye	es [] No Les P	Payne		
Channel	Freq MHz	Meas PSD (dBm)	Limit (dBm)	Delta (dBm)	Pass/Fail		
High	2480	-16.4	8.0	-24.4	Pass		



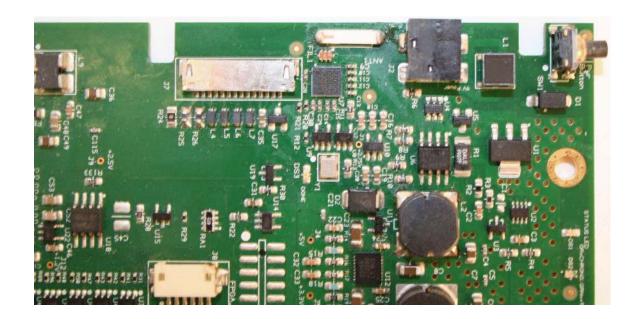
# 2.1033 (b) (7) Equipment Photographs

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



















15.247 (b)(5)

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