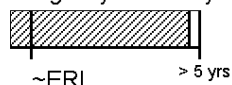


## FastPath™ Summary

Page 1 of 1

### Battery

Longevity: 4.6-4.9 yrs



Implant Date: 27 Nov 2013

Voltage 2.95 V  
Magnet Rate 100.0 ppm  
Battery Current 16 uA  
Remaining Capacity to ERI 74%

### Test Results 6 Jan 2014

**A** Automatic

	Capture	Sense	Lead Impedance
A	0.75V @ 0.4ms (Bi) 0.75V @ 0.4ms (Bi) 27 Nov 2013	2.3mV (Bi) <b>A</b> 2.1mV (Bi) 27 Nov 2013	340 Ω (Bi) <b>A</b> 330 Ω (Bi) 27 Nov 2013
RV	0.625V @ 0.4ms (Bi) 1.0V @ 0.4ms (Bi) 27 Nov 2013	>12.0mV (RV Bi) <b>A</b> >12.0mV (RV Bi) 27 Nov 2013	430 Ω (Bi) <b>A</b> 400 Ω (Bi) 27 Nov 2013
LV	1.875V @ 0.4ms (LVT-RVR) 1.25V @ 0.4ms (LVT-RVR) 27 Nov 2013		640 Ω (LVT-RVR) <b>A</b> 650 Ω (LVT-RVR) 27 Nov 2013

### Parameters

Mode DDDR  
Base Rate 70 min<sup>-1</sup>  
Max Track Rate 130 min<sup>-1</sup>  
Paced AV Delay 180 ms  
Sensed AV Delay 150 ms  
Ventricular Pacing LV → RV, 25 ms

### Capture & Sense

	A	RV	LV
Cap Confirm	▶ On	▶ On	↳ On
Pulse Amplitude	↳ 1.75 V <b>A</b>	↳ 2.0 V <b>A</b>	↳ 2.875 V <b>A</b>
Pulse Width	0.4 ms	0.4 ms	0.4 ms
AutoSense	Off	Off	
Sensitivity (Safety Margin)	0.5 mV (4.6:1)	2.0 mV (6:1)	

### Diagnostics Summary

Since 27 Nov 2013

AP 87 %  
BP >99 %  
  
AMS Episodes 0  
Mode Switch 0%  
AT/AF Burden 0%

### Episodes Summary

Since 27 Nov 2013

	Counts	EGMs
AMS Entry	0	0
High Ventricular Rate	0	0
Magnet Response	0	0

### No Alerts

▶ Manual-programmed    ↳ Auto-programmed

---

## Episodes Summary

Page 1 of 1

---

Episodes/SEGMs Last Cleared      27 Nov 2013 10:41      Last Read      6 Jan 2014 11:34

---

### Triggers

	Counts	EGMs
AMS Entry	0	0
High Ventricular Rate (5 cycles @ 175 min <sup>-1</sup> )	0	0
Magnet Response	0	0

---

### Device Reversions

	Counts	Last Recorded
A. Noise Reversion	0	
V. Noise Reversion	0	

---

### Episodes

No episodes recorded

## Diagnostics Summary

Page 1 of 1

### Events Since 27 Nov 2013

AP	87%	Lifetime	87%
RVP	n/a		0%
BP	>99%		>99%
VSt	n/a		0%

Includes time in AMS

### Events

AS-VP	12%
AS-VS	<1%
AP-VP	87%
AP-VS	<1%
PVC	<1%, 9.2K counts

Excludes time in AMS

### Heart Rate Histogram

#### Atrial

AF Suppression™

- Paced (AP)
- Sensed (AS)
- Sensor-Indicated Rate

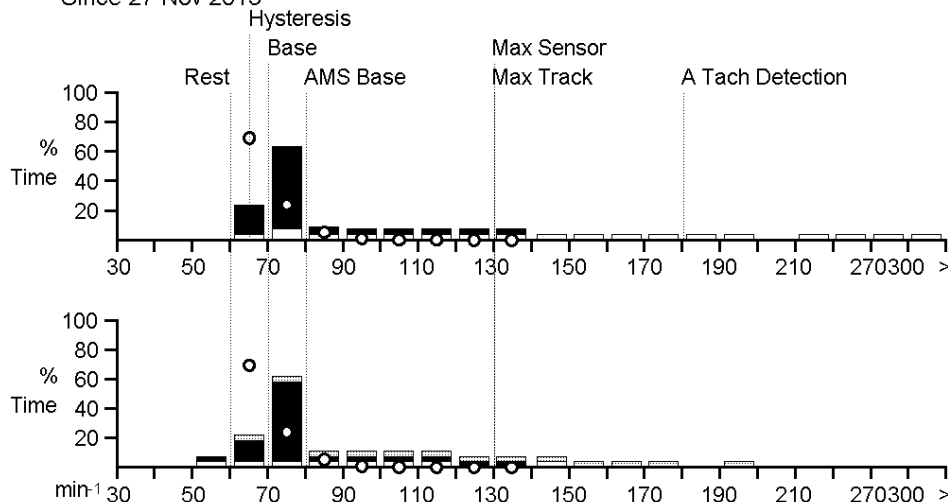
#### Ventricular

Time at Max Track Rate  
PMT Detections

- Paced (AS-VP, AP-VP)
- Sensed (AS-VS, AP-VS)
- ▨ PVC
- Sensor-Indicated Rate

Excludes time in AMS

Since 27 Nov 2013



### AT/AF Burden

Total AT/AF Burden

0%

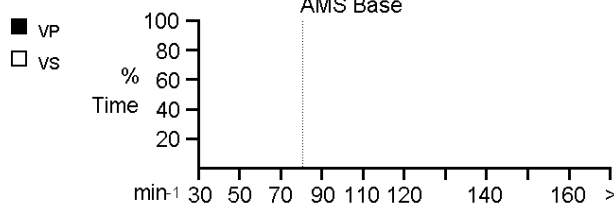
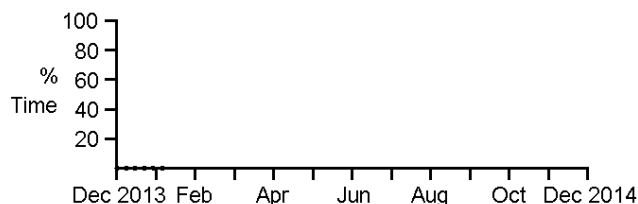
0%

Since 27 Nov 2013

Since 27 Nov 2013

### V Rates During AMS

Since 27 Nov 2013



### AMS Summary

Since 27 Nov 2013

AMS Episodes

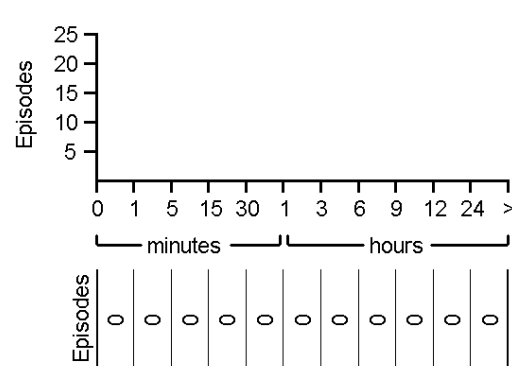
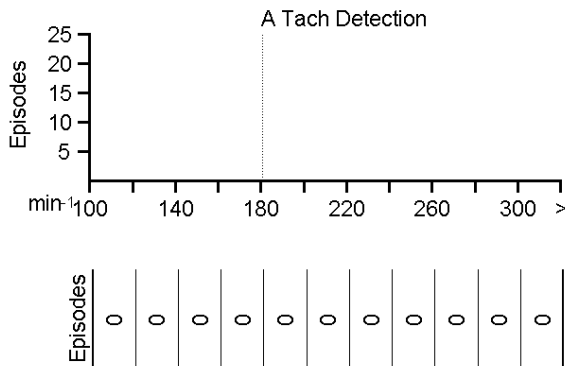
0

Mode Switch

0%

Duration

### Peak A Rate



# Parameters

Page 1 of 2

**Patient**

Date of Birth

EF %

Unknown

**Indications for Implant**
**Device**

CRT-P

A Lead

RV Lead

LV Lead

**Manufacturer**

St. Jude Medical

**Model**

Anthem™ RF 3212

**Serial**

2768599

**Implant Date**

27 Nov 2013

**Basic Operation**

Mode

DDDR

Ventricular Pacing

LV → RV, 25 ms

V. Triggering

Off

Magnet Response

Battery Test

V. Noise Reversion Mode

DOO

Sensor

On

Threshold (Measured Avg.)

Auto (+0.0) (2.0)

Slope (Measured Auto)

Auto (+2) (12)

Max Sensor Rate

 130 min<sup>-1</sup>

Reaction Time

Fast

Recovery Time

Medium

**Refractories & Blanking**

PVARP

275 ms

Post-Vent. Atrial Blanking

150 ms

Rate Responsive PVARP/V Ref

Low

Shortest PVARP/V Ref

175 ms

A/V Pace Refractory

190/250 ms

A/V Sense Refractory

93/250 ms

Ventricular Blanking

 Auto **A**

Ventricular Safety Standby

On

PVC Response

Atrial Pace

PMT Response

Atrial Pace

PMT Detection Rate

 130 min<sup>-1</sup>
**Rates**

Base Rate

 70 min<sup>-1</sup>

Rest Rate

 60 min<sup>-1</sup>

Max Sensor Rate

 130 min<sup>-1</sup>

Max Track Rate

 130 min<sup>-1</sup>

Hysteresis Rate

 65 min<sup>-1</sup>

Search Interval

Off

Cycle Count

1 cycles

Intervention Rate

Off

2:1 Block Rate

 156 min<sup>-1</sup>
**AT/AF Detection & Response**

Auto Mode Switch

DDIR

AMS V. Triggering

Off

A. Tachycardia Detection Rate

 180 min<sup>-1</sup>

AMS Base Rate

 80 min<sup>-1</sup>

AF Suppression™

Off

**Delays**

Paced AV Delay

180 ms

Sensed AV Delay

150 ms

Rate Responsive AV Delay

Off

Neg. AV Hysteresis/Search

Off

**Capture & Sense**

Cap Confirm

▶ On

Backup Pulse Configuration

▶ Bipolar

Search Interval

▶ 8 hours

Paced/Sensed AV Delay

▶ 8 hours

Pacing Margin

▶ 50/25 ms

Pulse Amplitude

▶ 1.0 V

Pulse Width

 ▶ 2.0 V **A**

AutoSense

▶ 0.4 ms

Sensitivity (Safety Margin)

▶ 0.4 ms

**RV**

▶ On

▶ Bipolar

▶ 8 hours

▶ 50/25 ms

▶ 1.0 V

 ▶ 2.0 V **A**

▶ 0.4 ms

▶ Off

▶ 2.0 mV (6:1)

**LV**

▶ On

▶ 8 hours

▶ 50/25 ms

▶ 1.0 V

 ▶ 2.875 V **A**

▶ 0.4 ms

Last Programmed: Today 11:43

Parameters that are "n/a" are not shown

Bold values were changed this session (See

Wrap-up™ Overview report for details)

▶ Manual-programmed

▶ Auto-programmed

**A** Automatic



## Parameters

Page 2 of 2

### Leads

	A	RV	LV
Lead Type	►Bipolar	►Bipolar	►Bipolar
Pulse Configuration	Bipolar	Bipolar	LV tip to RV ring
Sense Configuration	Bipolar	RV Bipolar	
Lead Monitoring	Monitor	Monitor	Monitor
Lower Limit	200 Ω	200 Ω	200 Ω
Upper Limit	2,000 Ω	2,000 Ω	2,000 Ω

### Trigger Alerts When

	Show on FastPath™	Notify Patient
AT/AF Episode (3 hours)	On	Off
AT/AF Burden (6 hours evaluated daily)	On	Off
V Rate during AT/AF (100 min <sup>-1</sup> for 6 hours, evaluated daily)	On	Off
A Lead Impedance Out of Range (200 - 2,000 Ω)	On	On
RV Lead Impedance Out of Range (200 - 2,000 Ω)	On	On
LV Lead Impedance Out of Range (200 - 2,000 Ω)	On	On
Device at ERI	On	On
Device Parameter Reset	On	On
Backup VVI	On	On

### Patient Notifier Delivery

Auditory Duration	6 sec
Number of Notifications	4
Time Between Notifications	10 hours

### Episode Triggers

Atrial Episode (AMS Entry)	Low
High Ventricular Rate (5 @ 175 min <sup>-1</sup> )	High
Consecutive PVCs (n/a)	Off
PMT	Off
Noise Reversion	Off
Magnet Response	Low

### Stored EGM Configuration

High V Rate EGM Max Duration	20 sec
High V Rate Pre-Trigger Max Durati...	14 sec
Channels (Storage)	2 (8 min)
Channel 1	A Sense Amp
Channel 2	V Sense Amp

## Wrap-up™ Overview

Page 1 of 2

### Patient

Date of Birth

EF %

Unknown

### Indications for Implant

### Device

CRT-P

A Lead

RV Lead

LV Lead

### Manufacturer

St. Jude Medical

### Model

Anthem™ RF 3212

### Serial

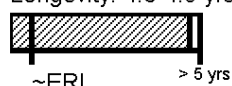
2768599

### Implant Date

27 Nov 2013

### Battery

Longevity: 4.6-4.9 yrs



Voltage

2.95 V

Magnet Rate

100.0 ppm

Battery Current

16 uA

Remaining Capacity to ERI

74%

Longevity estimate decreased due to activities this session

### Test Results 6 Jan 2014

**A** Automatic

	Capture	Sense	Lead Impedance
A	0.75V @ 0.4ms (Bi)	2.3mV (Bi) <b>A</b>	340 Ω (Bi) <b>A</b>
RV	0.625V @ 0.4ms (Bi)	>12.0mV (RV Bi) <b>A</b>	430 Ω (Bi) <b>A</b>
LV	1.875V @ 0.4ms (LVT-RVR)		640 Ω (LVT-RVR) <b>A</b>

### Parameters

Mode	DDDR
Base Rate	70 min <sup>-1</sup>
Max Track Rate	130 min <sup>-1</sup>
Paced AV Delay	180 ms
Sensed AV Delay	150 ms
Ventricular Pacing	LV → RV, 25 ms

### Programming Changes

	Initial	Final
A. Lead Type	Uncoded	►Bipolar
A. Pulse Amplitude	2.5 V	↵1.75 V <b>A</b>
ACap™ Confirm	Off	►On
ACap™ Confirm Search Interval	n/a	↵8 hours
Atrial Backup Pulse Configuration	n/a	↵Bipolar
BiVCap™ Confirm Paced/Sensed AV Delay	n/a	↵50/25 ms
BiVCap™ Confirm Search Interval	n/a	↵8 hours
LV Lead Type	Uncoded	►Bipolar
LV Pulse Amplitude	2.5 V	↵2.875 V <b>A</b>
LVCap™ Confirm	Off	↵On
LVCap™ Confirm Pacing Margin	n/a	↵1.0 V
RV Backup Pulse Configuration	n/a	↵Bipolar
RV Lead Type	Uncoded	►Bipolar
RV Pulse Amplitude	2.5 V	↵2.0 V <b>A</b>
RVCap™ Confirm	Off	►On
RVCap™ Confirm Pacing Margin	n/a	↵1.0 V

► Manual-programmed

↵ Auto-programmed

---

## **Wrap-up™ Overview**

Page 2 of 2

**No Alerts**

- ▶ Manual-programmed
- ↳ Auto-programmed