

## UHF RFID Testing and Measurement for Tag Development and Selection

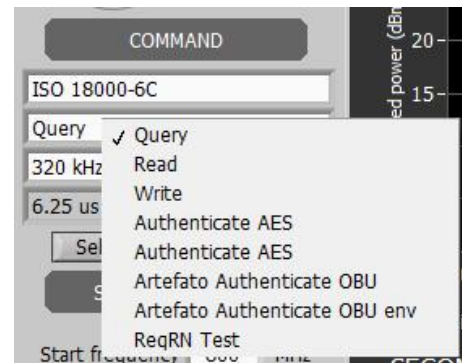
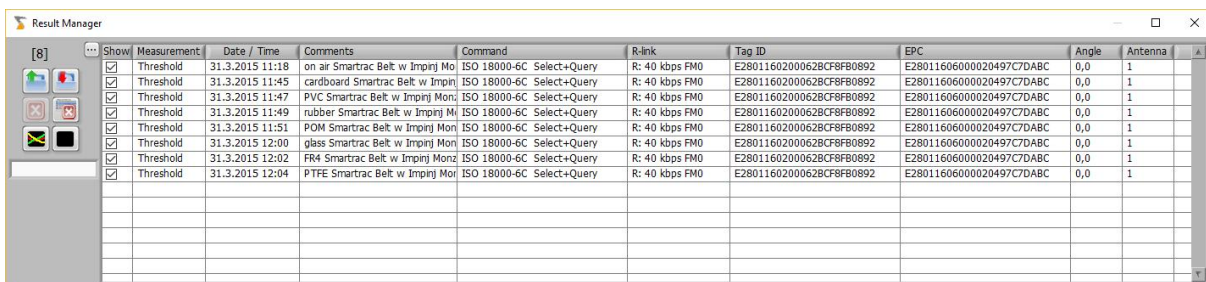
# Tagformance 9 – What's New?

### Custom Command and Custom Protocol Support

Option to create new commands to be used in the performance tests.

### New Result Manager

More information now visible in result manager, opening on a separate window.

Show	Measurement	Date / Time	Comments	Command	R-link	Tag ID	EPC	Angle	Antenna
<input checked="" type="checkbox"/>	Threshold	31.3.2015 11:18	on air Smartrac Belt w Impinj Mo	ISO 18000-6C Select+Query	R: 40 kbps FMO	E28011602000628CF8F80892	E28011606000020497C7DABC	0,0	1
<input checked="" type="checkbox"/>	Threshold	31.3.2015 11:45	cardboard Smartrac Belt w Impinj	ISO 18000-6C Select+Query	R: 40 kbps FMO	E28011602000628CF8F80892	E28011606000020497C7DABC	0,0	1
<input checked="" type="checkbox"/>	Threshold	31.3.2015 11:47	PVC Smartrac Belt w Impinj Monz	ISO 18000-6C Select+Query	R: 40 kbps FMO	E28011602000628CF8F80892	E28011606000020497C7DABC	0,0	1
<input checked="" type="checkbox"/>	Threshold	31.3.2015 11:49	rubber Smartrac Belt w Impinj Mo	ISO 18000-6C Select+Query	R: 40 kbps FMO	E28011602000628CF8F80892	E28011606000020497C7DABC	0,0	1
<input checked="" type="checkbox"/>	Threshold	31.3.2015 11:51	POM Smartrac Belt w Impinj Monz	ISO 18000-6C Select+Query	R: 40 kbps FMO	E28011602000628CF8F80892	E28011606000020497C7DABC	0,0	1
<input checked="" type="checkbox"/>	Threshold	31.3.2015 12:00	glass Smartrac Belt w Impinj Monz	ISO 18000-6C Select+Query	R: 40 kbps FMO	E28011602000628CF8F80892	E28011606000020497C7DABC	0,0	1
<input checked="" type="checkbox"/>	Threshold	31.3.2015 12:02	FR4 Smartrac Belt w Impinj Monz	ISO 18000-6C Select+Query	R: 40 kbps FMO	E28011602000628CF8F80892	E28011606000020497C7DABC	0,0	1
<input checked="" type="checkbox"/>	Threshold	31.3.2015 12:04	PTFE Smartrac Belt w Impinj Mo	ISO 18000-6C Select+Query	R: 40 kbps FMO	E28011602000628CF8F80892	E28011606000020497C7DABC	0,0	1

and Many Other Add-Ons and Improvements!

**TAGGED ITEM GRADING**  
Sensitivity and Backscatter: Measured // Limit [dBm] Red = Fail Green = Pass

Single Item

	Antenna 1 Sensit.	Antenna 1 Backs.	Antenna 2 Sensit.	Antenna 2 Backs.	Antenna 3 Sensit.	Antenna 3 Backs.	Antenna 4 Sensit.	Antenna 4 Backs.
MSR	100%	100%	100%	100%	100%	100%	100%	100%
0	100%	-12,4 // -9,5	100%	-11,7 // -9,5	100%	-10,1 // -8,5	100%	-8,2 // -8,5
30	100%	-11,2 // -5	-18,2 // -32	-10,3 // -4	-19,3 // -33	-8,0 // -2	-20,6 // -33	-5,8 // -4
60	100%							
120	100%							
150	100%	-12,6 // -5		-10,1 // -4		-8,5 // -2		-8,1 // -4
180	100%	-12,4 // -9,5		-10,1 // -9,5		-8,3 // -8,5		-8,2 // -8,5
210	100%	-10,0 // -5	-17,9 // -32	-7,7 // -4	-20,7 // -33	-5,7 // -2	// -33	-6,1 // -4
240	100%							
300	100%							
330	100%	-11,6 // -5		-10,9 // -4		-9,7 // -2		-7,9 // -4

- S05V Pass
- S05B Pass
- S15B Pass
- S15D Pass
- S20B Fail
- M05B N/A
- M10B N/A
- M15B N/A
- M20D N/A

## How to Get It?

Maintenance Program Customers:

We will contact you with the new license file, download link and possible training. Feel free to contact [support@voyantic.com](mailto:support@voyantic.com) any time if questions arise!

Others:

Please contact [sales@voyantic.com](mailto:sales@voyantic.com) or your local sales contact for further information.

## Tagged-Item Grading Suite

Tagged-Item Grading Suite is renewed to support the latest developments on the GS1 TIPP global standard. The new version includes possibility to define and test new and customized grades.

- Grade S05V added
- Minimum success rate limits added
- Default command changed to Query+Select, Miller 4, 320kHz
- TID+EPC read added to tests and saved to result file

## Command Parameters

Different data rate options are now added for read, write and custom commands.

## Custom Command & Custom Protocols

Optional feature to define new test commands following ISO18000-6C inventory cycle, such as authenticate with various crypto suites.

Optional feature to define test commands not according to ISO18000-6C standard.

## General Improvements

- Anti-aliased graphs
- Manually set graph properties remain in system memory when SW is re-started
- Legend added to Orientation test graph export
- Faster response test, log file with 0.01 s accuracy
- Easier fixed IP setting
- Improved read range test resolution.

