



race | result

Precision. Passion. German Engineering.



race | result

Precision. Passion. German Engineering.

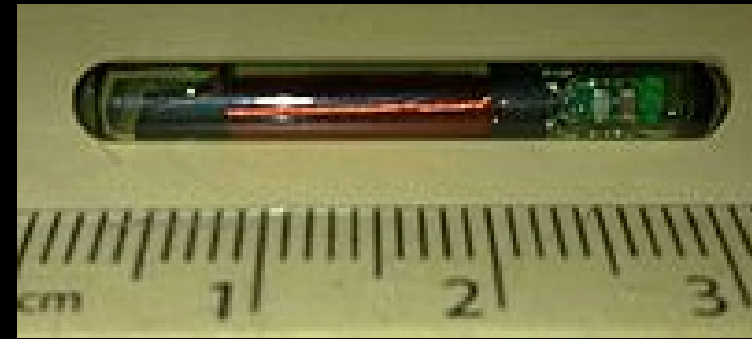
Vancouver Sun Run 2017



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1993 - 2010



1350

How to correctly attach the transponders to your shoe.
No result without a correctly attached transponder!

- 1 Separate transponders from bib number along the perforation.
- 2 Thread shoelaces through the strip so that the red color shows on the upper side.
- 3 Fix your shoe. The transponder now forms a bow on top of your shoe.
- 4 Do not fold or push under shoelaces.

2000

If you have a different tying system or Velcro on your shoes, try using a safety pin instead to form a bow from the transponder strip and attach it to your shoe.

... detach here ... detach here ... detach here ... detach here ... detach here ... detach here ... detach here ... detach here ... detach here ... detach here ...

EVENT NAME

1350

WILLIAM

... detach here ... detach here ... detach here ... detach here ... detach here ... detach here ... detach here ... detach here ... detach here ... detach here ...

CE 1350 : www.lacertool.com



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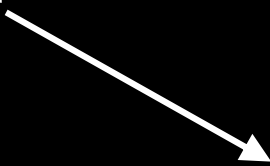
CHIP



Sensitivity

became sufficient.

Transponder



Spacer

Tyvek BIB



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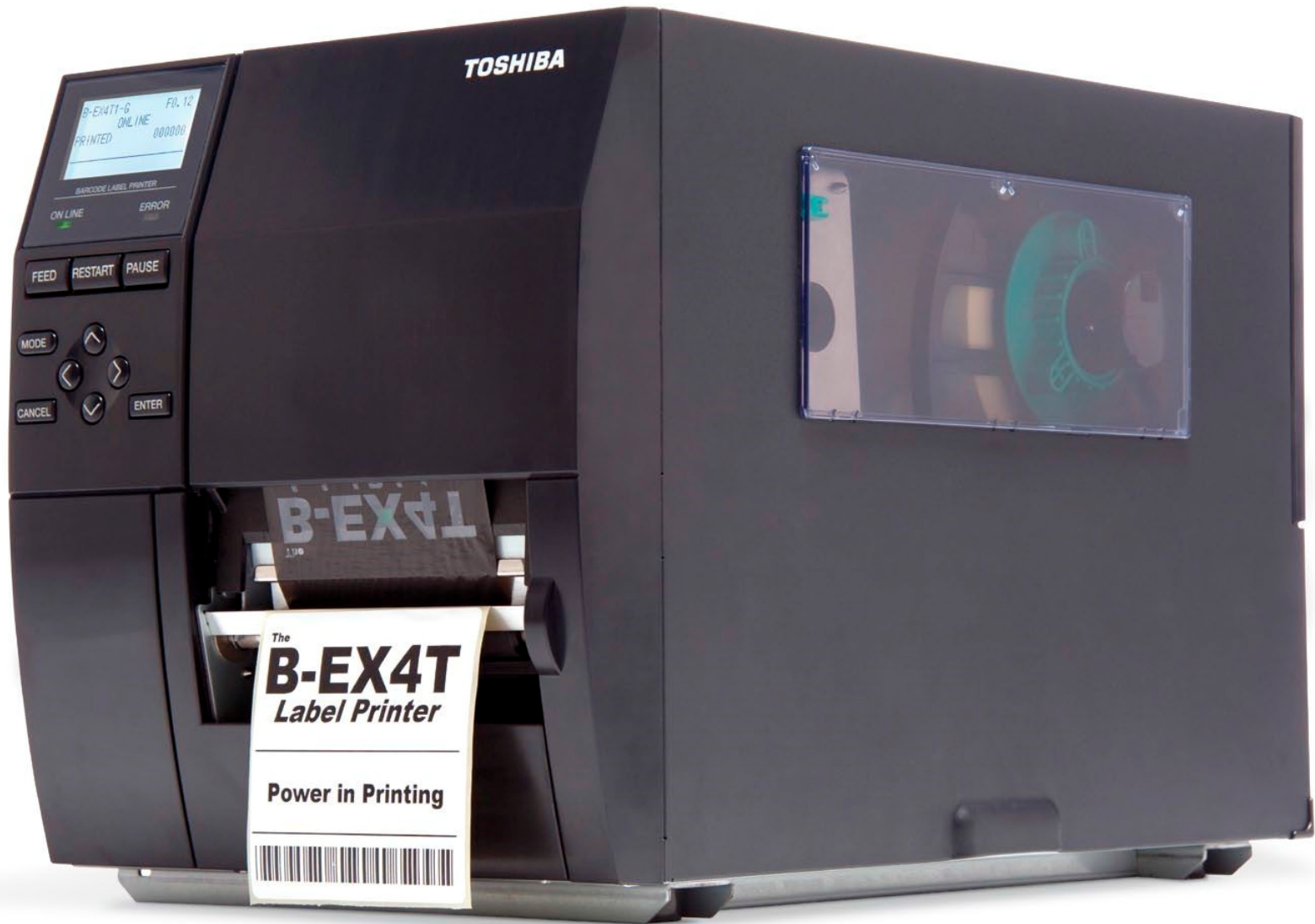
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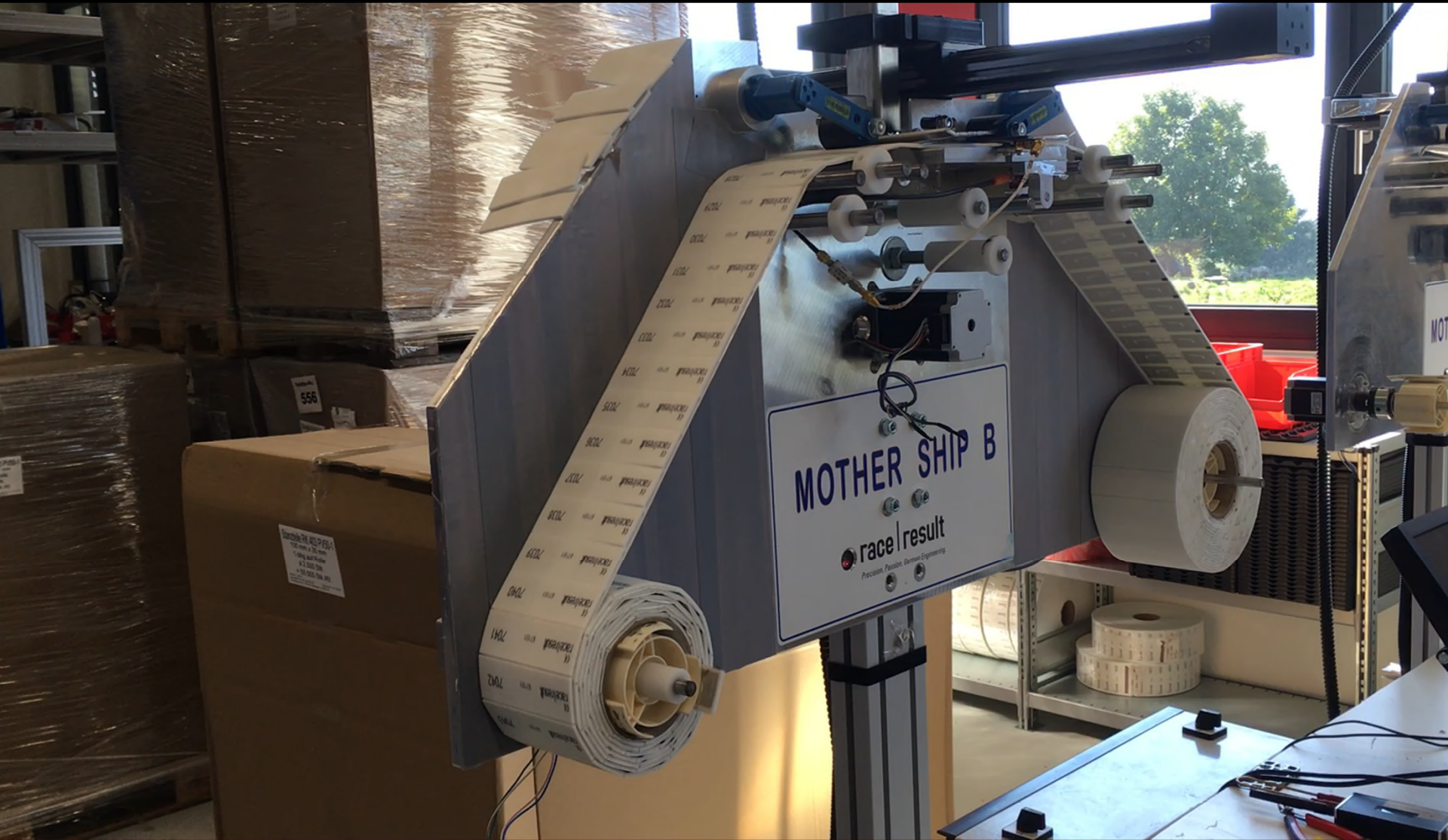
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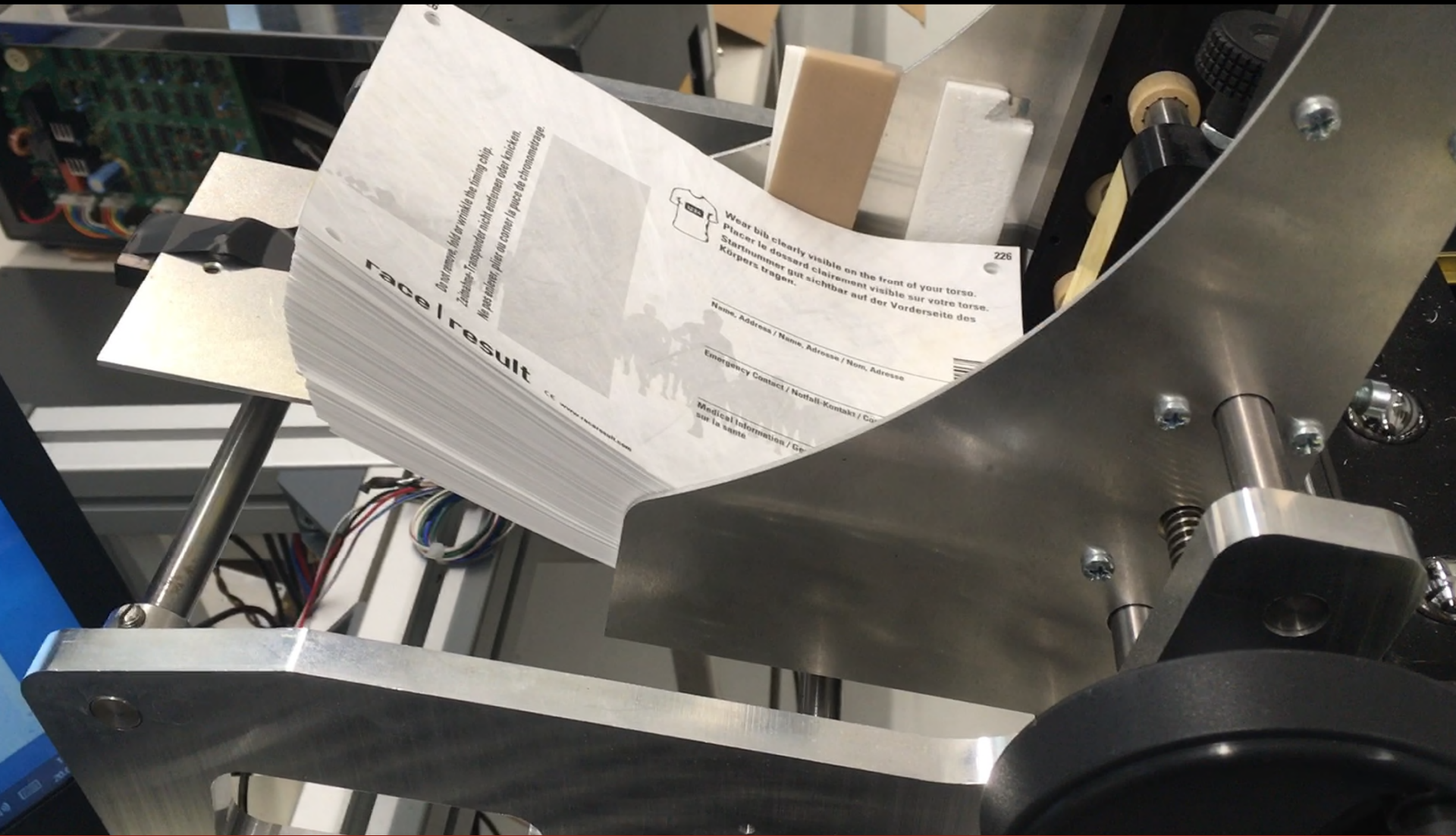
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*Do not remove, fold or wrinkle the timing chip.
Zehnwahler-/Transponder nicht entfernen oder knicken.
Ne pas décoller, plier ou creuser la puce de chronométrage.*



Wear bib clearly visible on the front of your torso.
Placer le dossard clairement visible sur votre torse.
Körpersnummer gut sichtbar auf der Vorderseite des Körpers tragen.

226

Name, Address / Name, Adresse / Nom, Adresse

Emergency Contact / Notfall-Kontakts / Co

Medical Information / Ge
sur la santé

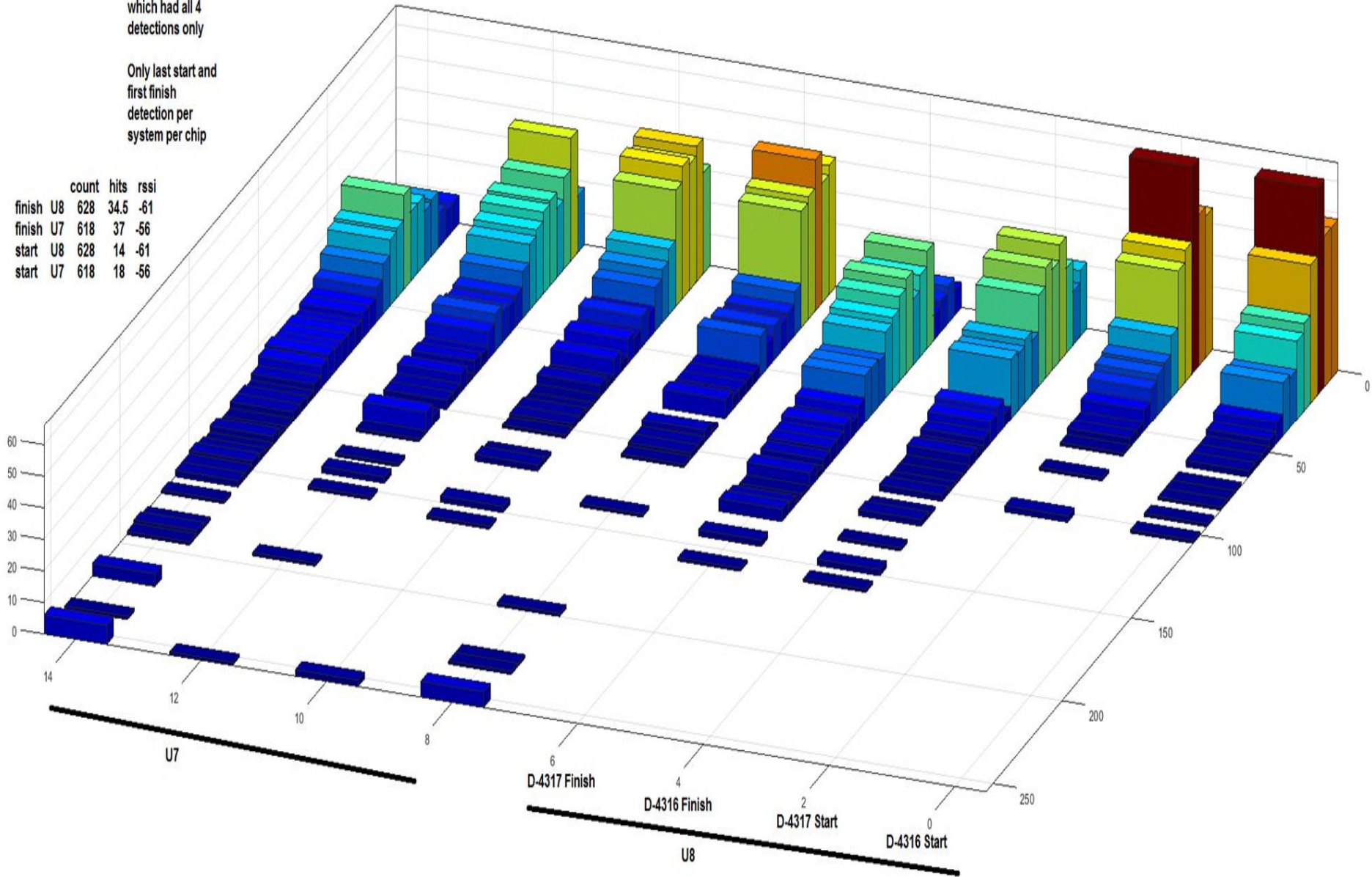
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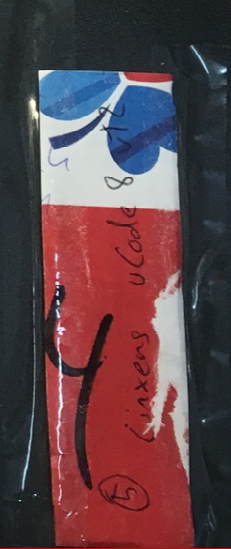
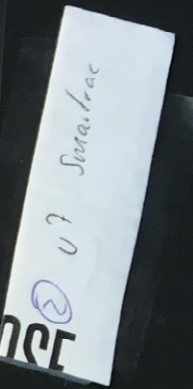
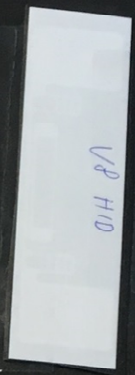
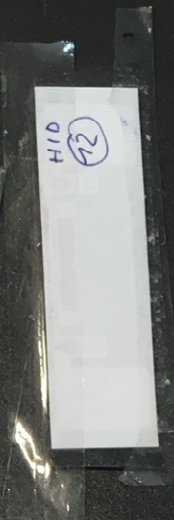
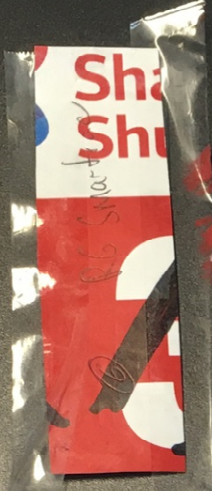
Transponders
which had all 4
detections only

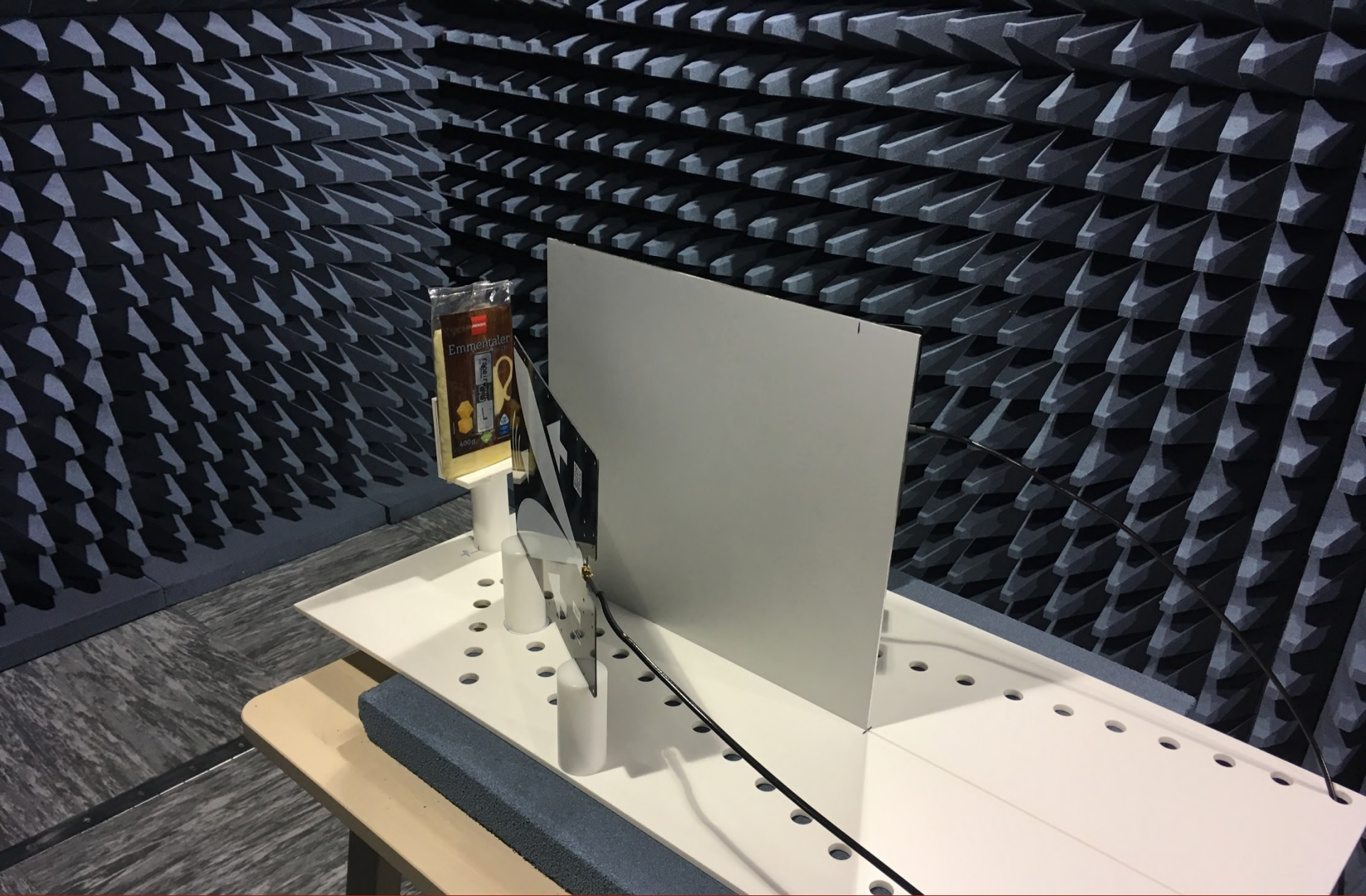
Only last start and
first finish
detection per
system per chip

	count	hits	rsi
finish U8	628	34.5	-61
finish U7	618	37	-56
start U8	628	14	-61
start U7	618	18	-56



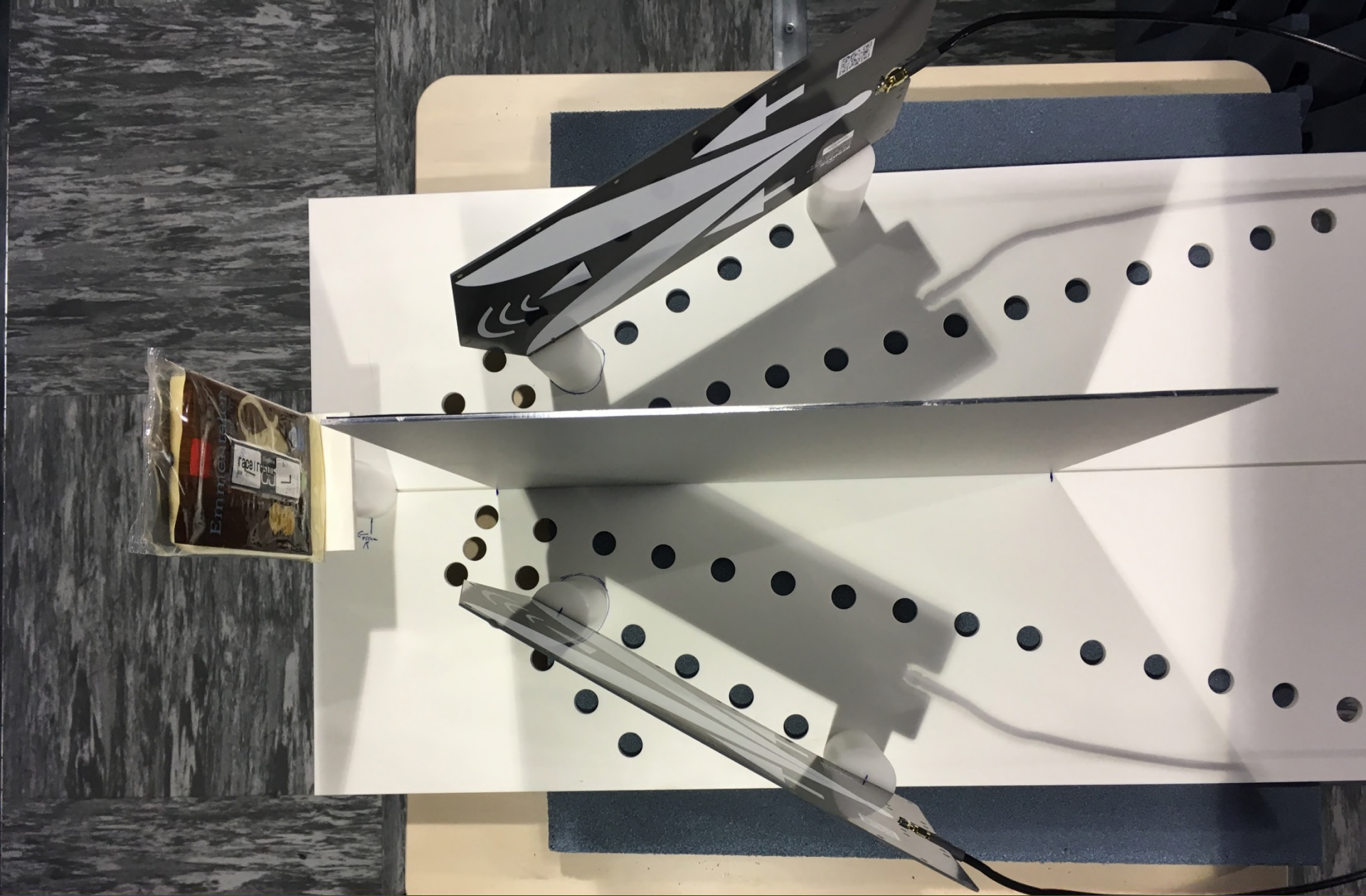
	REFK	BS	MIMP	BS
UP LIVT2 1,5mm (20)	-73	-67,5	17,4	-67,4
U7 SM 3mm (2)	-73	-62	19,3	-69
UP HD 1,5mm (72)	-72,7	-72,6	18,4	-72,5
UP LIVT5 7,5mm (77)	-72,9	-64,5	20,3	-69,7
U8 T16,05° 7,5mm (74)	-72,9	-71	19,4	-67,5
R6 SM 7,5mm (1)	-72,6	-67,5	22,4	-67,5
UP T16,13° 7,5mm (73)	-72,6	-76	24,4	-75,5
U7 SM 1,5mm (24)	-72,6	-70	25,5	-70,3
UP T12,4° 7,5mm (20)	-72,7	-74,2	18,4	-72,7
UP T12,6° 7,5mm (2)	-72,4	-70	23,5	-70
UP LIVT2 7,5mm (2)	-72,4	-69,7	16,5	-72,7
UP LIVT5 7,5mm (3)	-72,4	-64,6	20,4	-64,3





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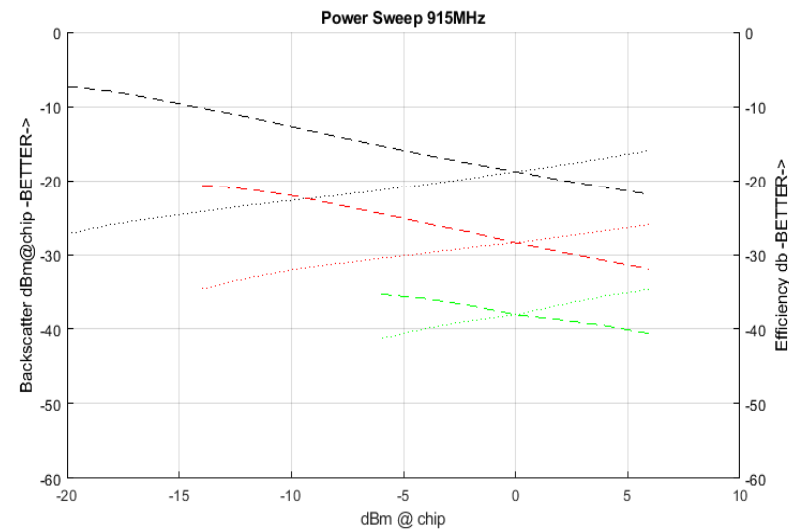
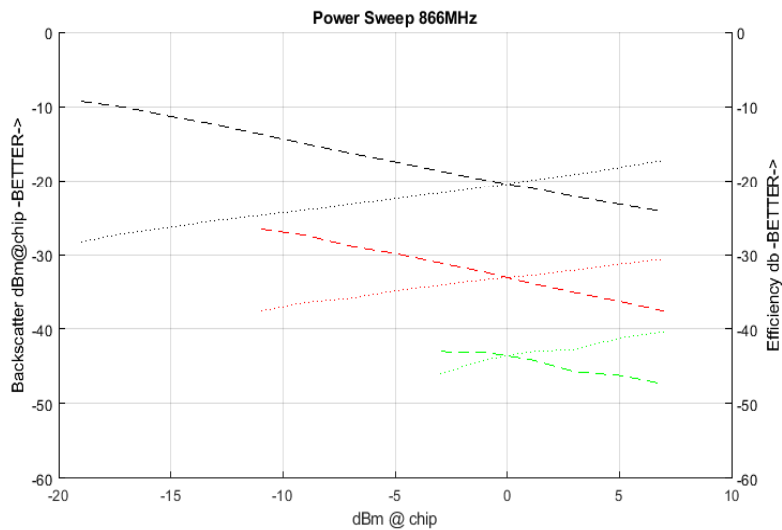
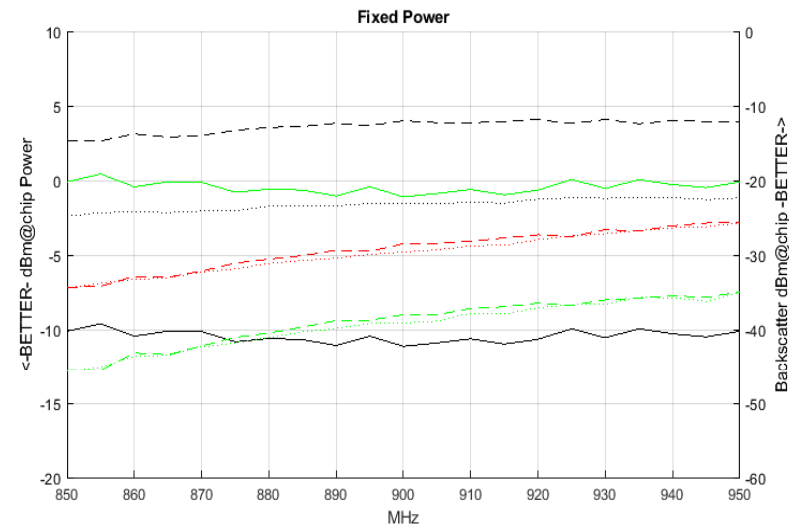
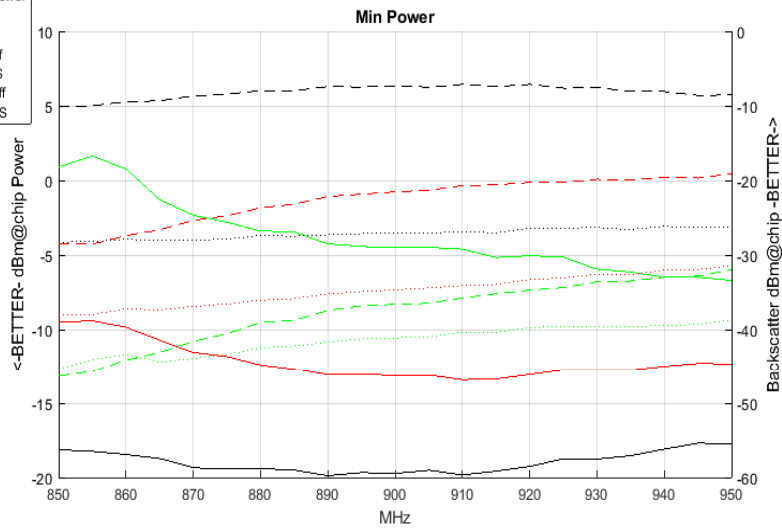
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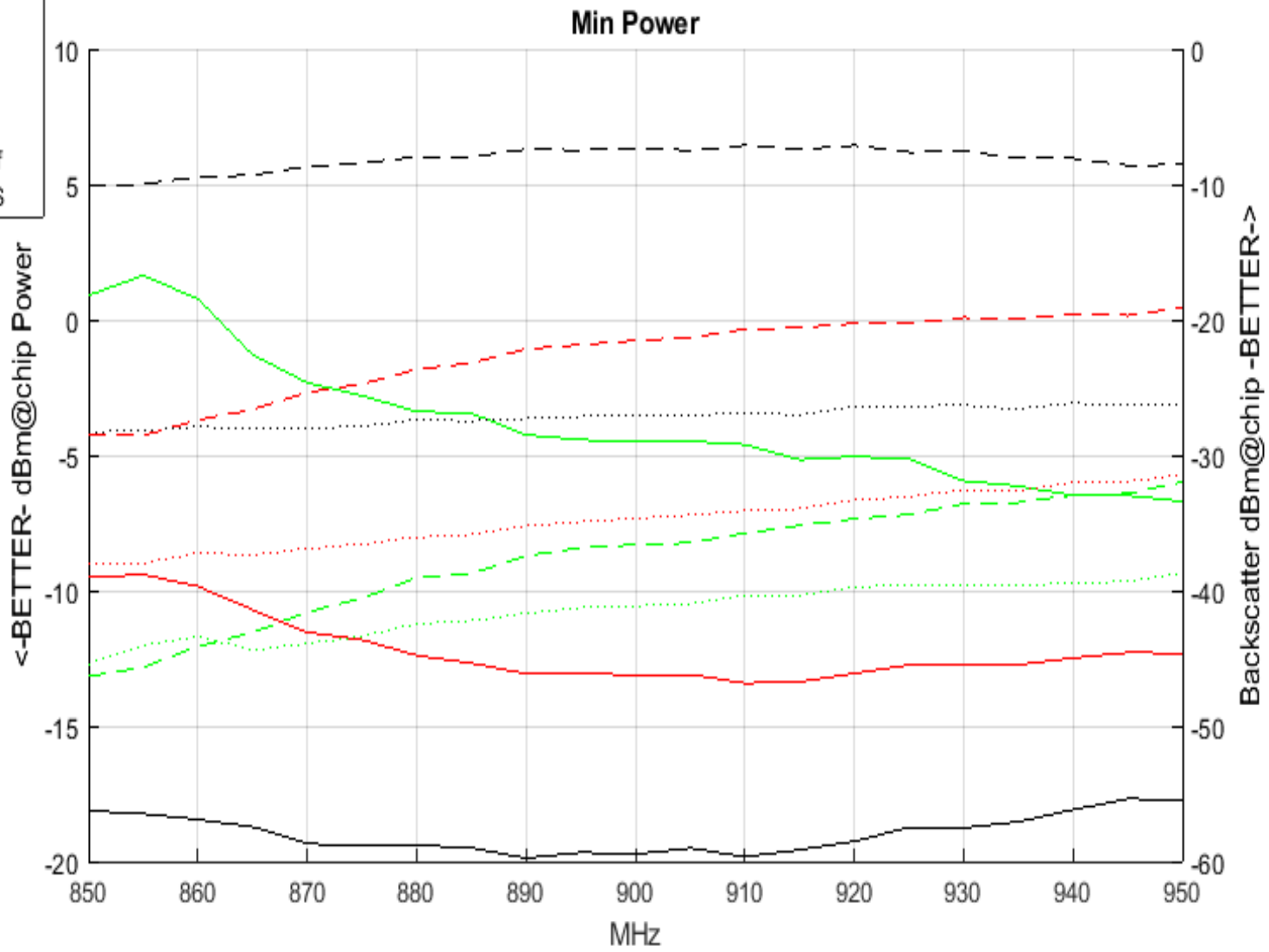
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- V12series-air Power
- V12series-body 10mm Power
- V12series-body 1.5mm Power
- - V12series-air Eff
- ... V12series-air BS
- - V12series-body 10mm Eff
- ... V12series-body 10mm BS
- - V12series-body 1.5mm Eff
- ... V12series-body 1.5mm BS



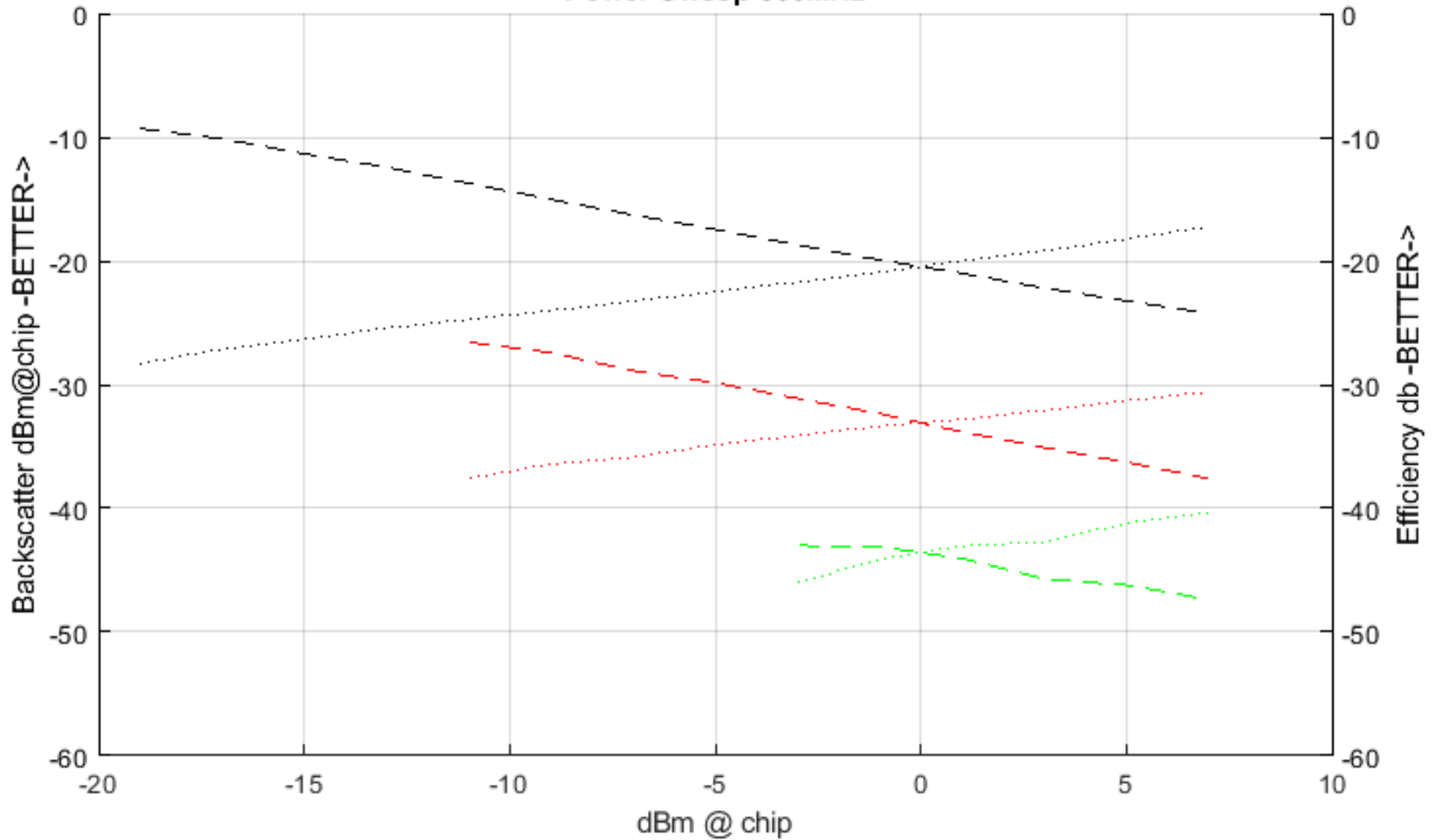
- V12series-air Power
- V12series-body 10mm Power
- V12series-body 1.5mm Power
- - - V12series-air Eff
- V12series-air BS
- - - V12series-body 10mm Eff
- V12series-body 10mm BS
- - - V12series-body 1.5mm Eff
- V12series-body 1.5mm BS



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Power Sweep 866MHz



		1,5mm to Body		10mm to Body		Free Air		1,5mm to Body		10mm to Body		Free Air	
Frequency [MHz]		866		866		866		915		915		915	
Chip Min Power [dBm]		-3		-11		-19		-6		-14		-19	
Chip BS Power [dBm]		-46		-37		-28		-41		-35		-27	
	Distance [m]	min TX [dBm EIRP]	RX [dBm EIRP]	min TX [dBm EIRP]	RX [dBm EIRP]	min TX [dBm EIRP]	RX [dBm EIRP]	min TX [dBm EIRP]	RX [dBm EIRP]	min TX [dBm EIRP]	RX [dBm EIRP]	min TX [dBm EIRP]	RX [dBm EIRP]
At Ankle/Foot	0,5	22	-71	14	-62	6	-53	20	-67	12	-61	7	-53
Typical Bib Height	1,5	32	-81	24	-72	16	-63	29	-76	21	-70	16	-62
Side Antenna	6	44	-93	36	-84	28	-75	41	-88	33	-82	28	-74
Antenna Gain + Cable Loss [dBi]	4	28	-77	20	-68	12	-59	25	-72	17	-66	12	-58

Reader Sensitivity

is becoming the limiting factor.

2017 Miami **38.181** 7 Minutes



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2017 Miami **38.181** 7 Minutes



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race | result

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race|result

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race | result

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race | result

Precision. Passion. German Engineering.

race | result

race | result system

race | result

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race | result

Precision. Passion. German Engineering.



race | result

Precision. Passion. German Engineering.



race | result

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