



International Amateur Radio Union Region 1

Europe, Middle East, Africa and Northern Asia

Founded 1950

EMC Committee – Interim Meeting

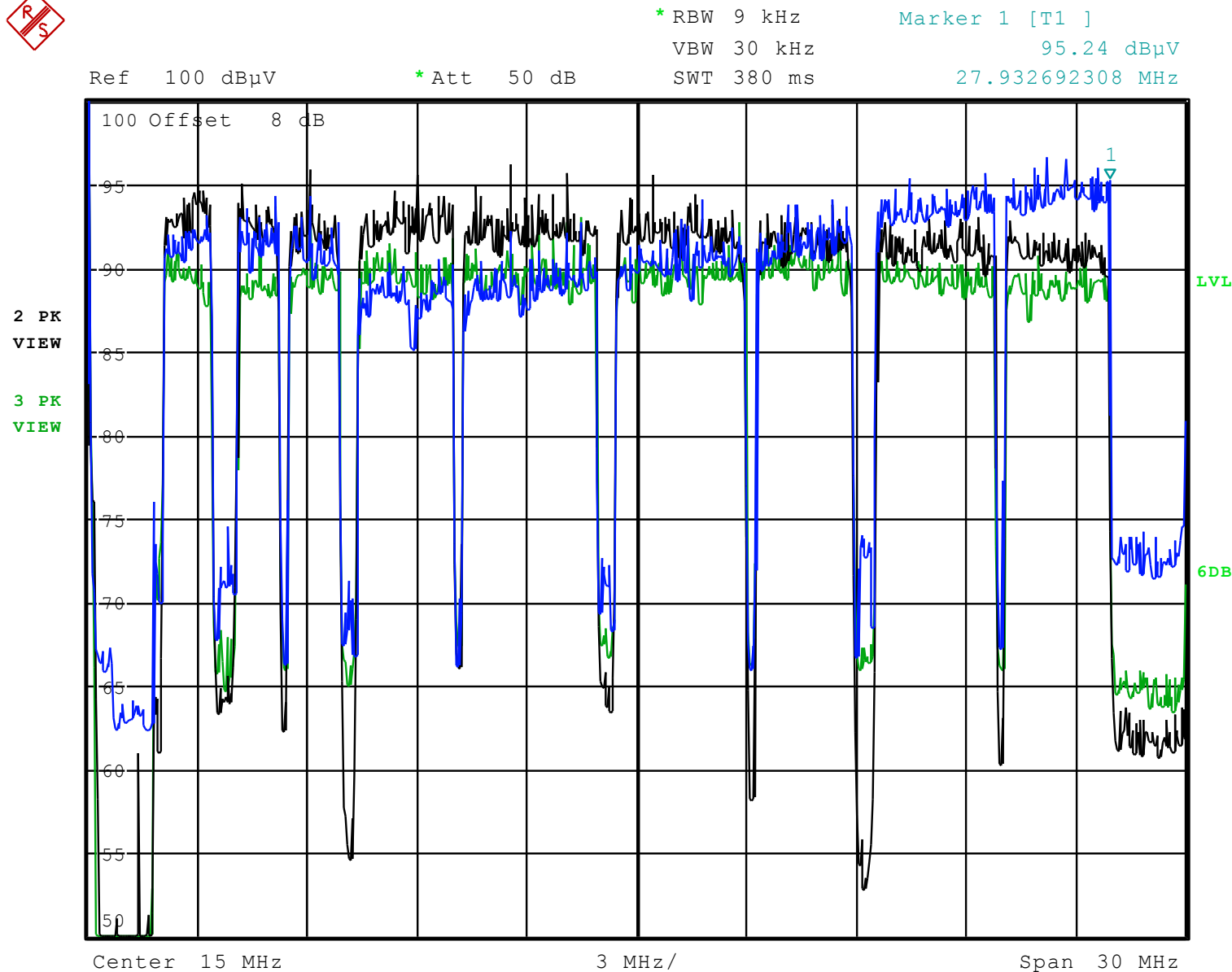
16-17 April 2016

InterCity Hotel, Vienna

Subject	Intermodulation between LED modules and PLC		
Society	DARC	Country:	Germany
Committee:	EMC	Paper number:	C7-14
Author:	Hans Schlecht, DL8MCG		



PLC-Modems in 2016 – what about EN50561-1 ?



blue: dLan 1200+ very poor notches → QRM!

green: dLan 650+ very poor notches → QRM!

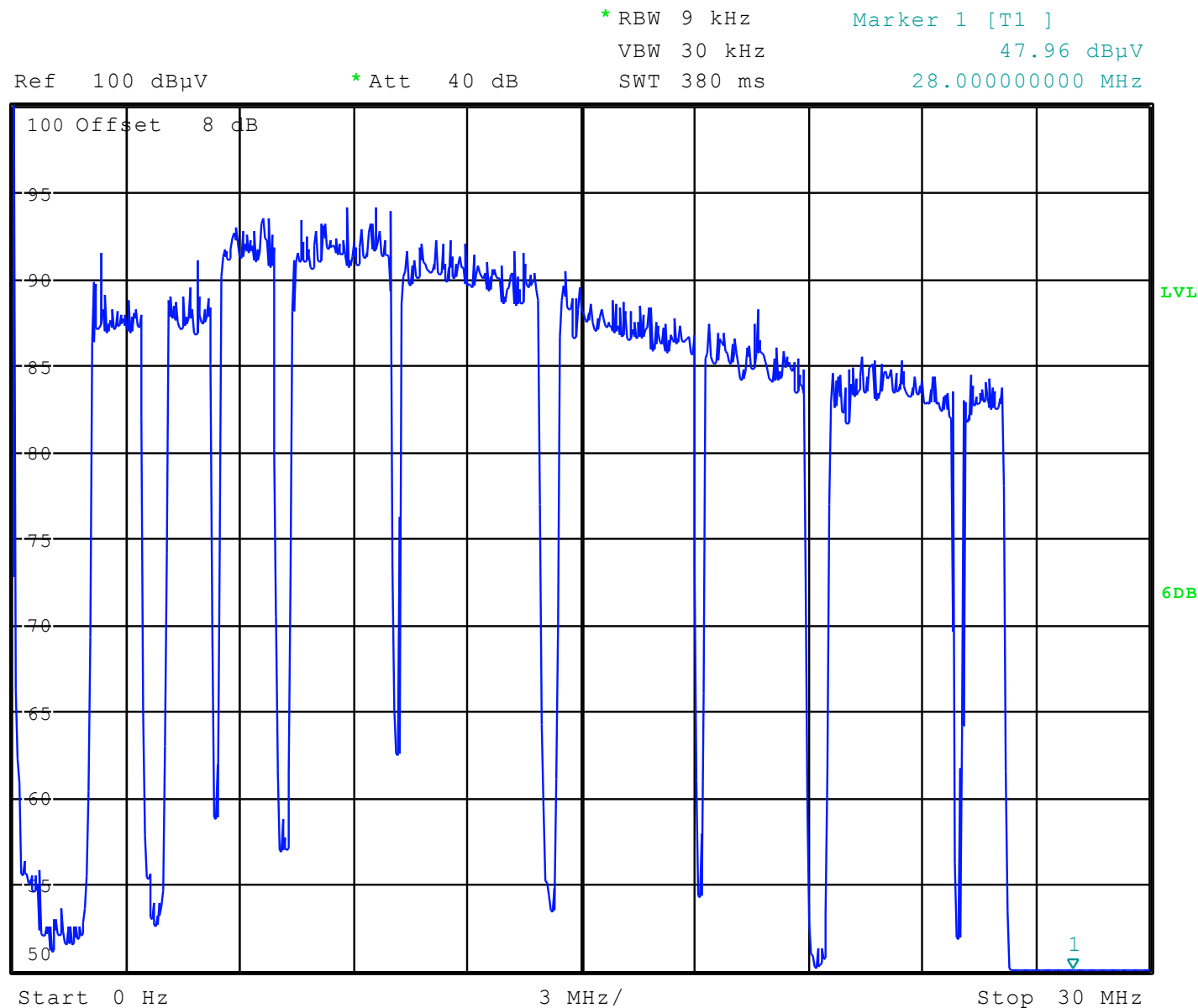
black: dLan 500

Hams unite
www.darc.de

Hans Schlecht
DL8MCG
07.02.2016



PLC-Modems in 2016 – what about EN50561-1 ?



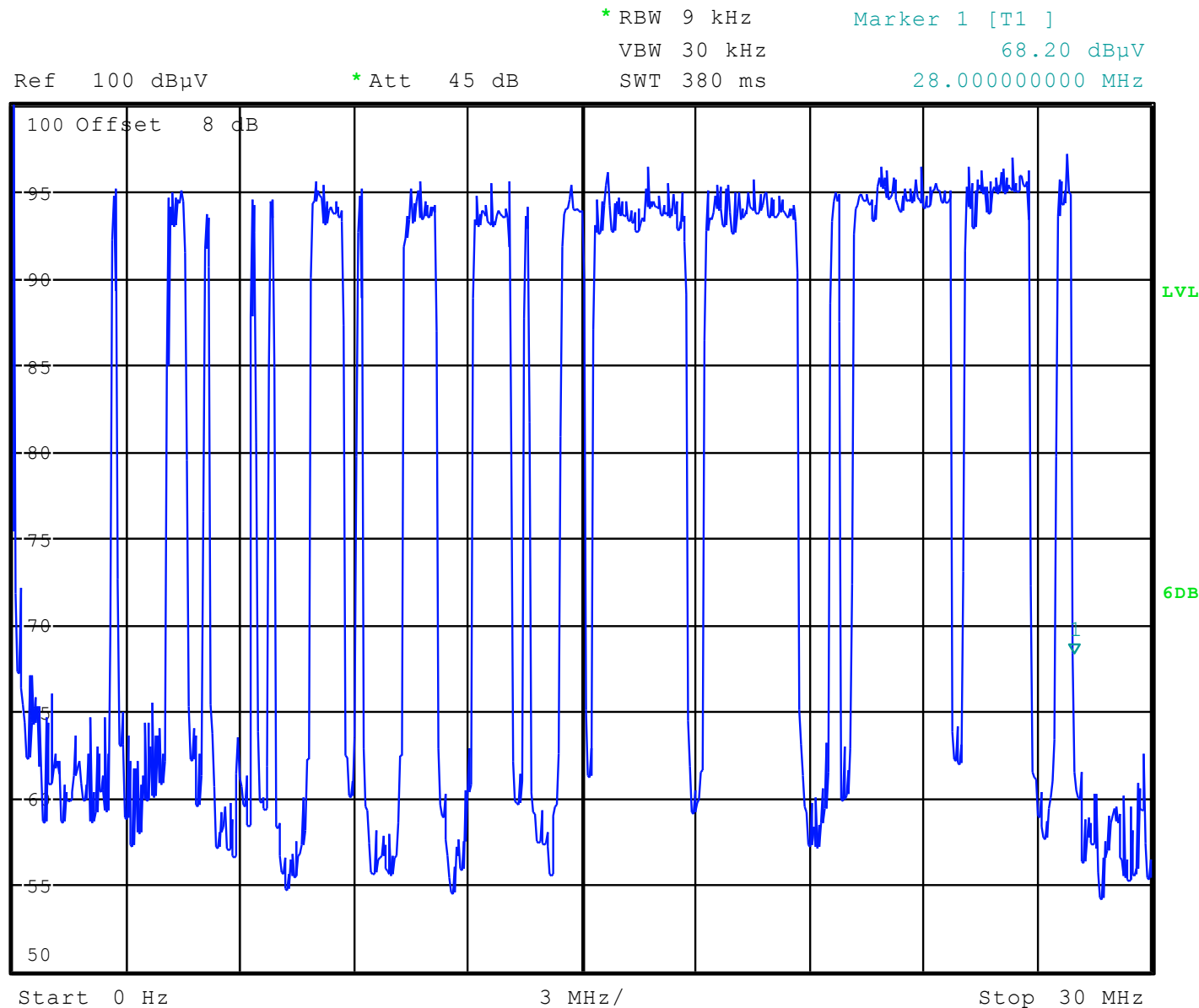
Allnet 168205 Notches 35 to 40 dB
No QRM within Ham-Bands

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Hans Schlecht
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PLC-Modems in 2016 – what about EN50561-1 ?



First Prototype according to EN50561-1
Dynamic Power Control
No QRM within Ham-Bands

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DL8MCG
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