

GE06 G - HOL OPS Agreement on Band III

The Administrations of the United Kingdom and the Netherlands, in application of Article 4 of the Geneva 2006 agreement (GE06) and the associated digital broadcasting plan, agree to the cumulative field strength limits defined in the attached annex.

The annex lists the agreed maximum cumulative interfering field strengths for individual T-DAB (1.75MHz¹) and DVB-T (7MHz) channels. This shall not prevent the administrations mutually agreeing other coordination proposals outside these terms.

The cumulative interfering field strength at the UK coast from single or multiple broadcasting network transmitters should be calculated using the power sum method and the propagation according to Annex 2, chapter 2 ('propagation information') for 50% locations, 1% time, 10m above ground level. No terrain data is used.

The cumulative interfering field strength at the Netherlands coast from single or multiple private mobile radio (PMR) transmitters should be calculated using the following method:

1. Multiple interference arising from base stations operating at the same site shall be calculated by means of the Power Sum Method (PSM).
2. The total interference arising from base stations operating at different sites together with the multiple interference from base stations operating at the same site (under 1) shall be calculated by means of the Simplified Multiplication Method (SMM), as described in ITU-R Report BS 945-2.

The propagation model used will be according to Annex 2, chapter 2 ('propagation information') for 50% locations, 1% time, 10m above ground level. No terrain data is used.

¹: in order to consider the spectrum of adjacent T-DAB blocks within one DVB-T channel as continuous, the T-DAB bandwidth is assumed to be exactly $\frac{1}{4}$ of the DVB-T bandwidth. T-DAB emissions will however remain within the relevant spectrum mask.

Signed at Geneva on 8 June 2006

on behalf of the UK Administration	on behalf of the Netherlands Administration
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Annex – Maximum Cumulative Interfering Field Strengths

FROM UK TO NETHERLANDS

During transition period, up to end 2012

T-DAB	5b	5c	5d	6a	6b	6c	6d	7a	7b
dBuV/m	36	38	36	41	41	41	41	41	41

T-DAB	7d	8a	8b	8c	8d	9a	9b	9c	9d
dBuV/m	41	41	38	31	38	43	41	41	31

GE06 Plan, after end 2012

T-DAB	5b	5c	5d	6a	6b	6c	6d	7a	7b
dBuV/m	31	38	37	43	43	43	43	43	43

T-DAB	7d	8a	8b	8c	8d	9a	9b	9c	9d
dBuV/m	31	31	31	31	31	31	31	31	31

FROM NETHERLANDS TO UK

During transition period, up to end 2012

T-DAB	5b	5c	5d	6a	6b	6c	6d	7a	7b
dBuV/m	34*	36	34	34	37	34	34	34	34
DVB-T	5			6			7		
dBuV/m	37**			40			40		

*40dBuV/m by 2011 **42dBuV/m by 2011

T-DAB	7d	8a	8b	8c	8d	9a	9b	9c	9d
dBuV/m	34	37	31	50	34	36	34	34	50
DVB-T	7	8			9				
dBuV/m	40	37			40				

GE06 Plan, after end 2012

T-DAB	5b	5c	5d	6a	6b	6c	6d	7a	7b
dBuV/m	55	36	34	37	37	37	37	36	36
DVB-T	5			6			7		
dBuV/m	37			43			42		

T-DAB	7d	8a	8b	8c	8d	9a	9b	9c	9d
dBuV/m	55	55	55	55	55	55	55	55	55
DVB-T	7	8			9				
dBuV/m	42	61			61				