
Planning methodology
and
compatibility analysis

Overview

- Tools to be used
- Frequency band and TV channels
- Procedure diagram
- Example

Tools to be used



eBCD 2.0
Broadcasting Online

eQry

ePub

eTools

myAdmin

TerRaO

TerRaNotices

GE06Calc

WISFAT

Frequency band and TV channels

- ✓ **Frequency band: 470 – 694 MHz**
- ✓ **TV channels: 21 – 48**
- ✓ **TV channel 69 – special case (flexible channels).**

Channel numbering and channel boundaries
DVB-T channel arrangement in Bands IV and V
 (Extract from Table A.3.1-2 of the GE-06 Agreement)

Channel number	Channel boundaries (MHz)		Assigned frequency (MHz)
Band IV			
21	470	478	474
22	478	486	482
23	486	494	490
24	494	502	498
25	502	510	506
26	510	510	514
27	518	526	522
28	526	534	530
29	534	542	538
30	542	550	546
31	550	558	554
32	558	566	562
33	566	574	570
34	574	582	578
Band V			
35	582	590	586
36	590	598	594
37	598	606	602
38	606	614	610
39	614	622	618
40	622	630	626
41	630	638	634
42	638	646	642
43	646	654	650
44	654	662	658
45	662	670	666
46	670	678	674
47	678	686	682
48	686	694	690
...
69	854	862	858

Find a channel process diagram



Starting from GE06 Calc... (example)

- ✓ Launch GE06 Calc
- ✓ File -> Open compatibility results file (.mdb file)
- ✓ View -> Channel distribution statistics
- ✓ Check appropriate boxes and set the default margin
- ✓ Select Administration and click Refresh
- ✓ Select item of interest and click on the blue number
- ✓ List of requirements will appear
- ✓ Select the appropriate requirement and click on it

The screenshot shows the GE06 Calc software interface. The 'Channel Distribution Statistics' window is active, displaying a summary table and a list of details for assignments with no assignable channel or frequency block.

Channel Distribution Statistics Summary:

	Submitted	No available channel or frequency block	No assignable channel or frequency block	Having an assignable channel or a frequency block
Assignments	80	0	28	5
Allocments	5	0	0	0
Total	85	0	80	6

Channel Distribution Details - Digital assignments with no assignable channel or frequency block:

No	Adm	Geo	Adm Ref Id	NotType	Site/Allot Name	SFN Id	Ch/block	Avail. Ch/block
48	UAE	UAE	BR1_UAE 044	GT1	QURIEN ALEISH	BR1_JDV003	21-44.46-47	21.25.27.29.31.35.37-38.41
49	UAE	UAE	BR1_APPR009	GT1	RAS AL KHAIMAH	BR1_NEV-6	22-23.25-26.28-36.38-48	25.31.35.38.41.45
50	UAE	UAE	BR1_APPR012	GT1	RAS AL KHAIMAH	BR1_RAKV00	22-23.25-26.28-36.38-48	25.31.35.38.41.45
51	UAE	UAE	BR1_UAE 005	GT1	RAS AL KHAIMAH	BR1_NEV-8	22-23.25-26.28-36.38-48	25.31.35.38.41.45
52	UAE	UAE	BR1_SHJ020	GT1	SHARJAH DHAID	BR1_SHJ0064	21-26.28-34.36-40.42-48	21.25.31.38.45
53	UAE	UAE	BR1_SHJ012	GT1	SHARJAH DIBBA	BR1_SHJVE60	22-45.47-48	25.27-28.30-31.33.35-36.38.40-41.43.4
54	UAE	UAE	BR1_SHJ028	GT1	SHARJAH DIBBA	BR1_SHJVE1	22-39.41-45.47-48	25.31.33.38.41.45
55	UAE	UAE	BR1_SHJ027	GT1	SHARJAH JABAL BUHAY	BR1_SHJ0064	21-26.28-34.36-40.42-48	21.25.31.38.45
56	UAE	UAE	BR1_SHJ021	GT1	SHARJAH KALBA		22-45.47-48	22.25.27-28.30-31.33.35-36.38.40-41.4
57	UAE	UAE	BR2_SHJ021	GT1	SHARJAH KALBA		22-45.47-48	22.25.27-28.30-31.33.35-36.38.40-41.4
58	UAE	UAE	BR1_SHJ025	GT1	SHARJAH KALBA	BR1_SHJVE60	22-45.47-48	25.27-28.30-31.33.35-36.38.40-41.43,4
59	UAE	UAE	BR1_SHJ017	GT1	SHARJAH KALBA	BR1_SHJVE1	22-39.41-45.47-48	25.31.33.38.41.45
60	UAE	UAE	BR1_SHJ022	GT1	SHARJAH KHOFAKHAN	BR1_SHJVE1	22-39.41-45.47-48	25.31.33.38.41.45
61	UAE	UAE	BR1_SHJ013	GT1	SHARJAH KHOFAKHAN	BR1_SHJVE60	22-45.47-48	25.27-28.30-31.33.35-36.38.40-41.43,4
62	UAE	UAE	BR1_SHJ026	GT1	SHARJAH STUDIOS	BR1_SHJ0064	21-26.28-34.36-40.42-48	21.25.31.38.45
63	UAE	UAE	BR1_UAE 064	GT1	SHUNNAYN	BR1_HABV00	21-44.46-47	21.25.27.29.31.35.37-38.41
64	UAE	UAE	BR1_APPR003	GT1	TARIF	BR1_JDV003	21-44.46-47	21.25.27.29.31.35.37-38.41
65	UAE	UAE	BR1_UAE 113	GT1	TARIF	BR1_HABV00	21-44.46-47	21.25.27.29.31.35.37-38.41
66	UAE	UAE	BR1_UAE 098	GT1	TARIF	BR1_HABV00	21-44.46-47	21.25.27.29.31.35.37-38.41
67	UAE	UAE	BR1_2174	GT1	UAQ2	BR1_RAKV00	22-23.25-26.28-36.38-48	25.31.35.38.41.45
68	UAE	UAE	BR1_2184	GT1	UAQ2	BR1_RAKV00	22-23.25-26.28-36.38-48	25.31.35.38.41.45
69	UAE	UAE	BR1_2184	GT1	UAQ2	BR1_NEV-8	22-23.25-26.28-36.38-48	25.31.35.38.41.45
70	UAE	UAE	BR1_APPR010	GT1	UMM AL QUWAIN	BR1_RAKV00	22-23.25-26.28-36.38-48	25.31.35.38.41.45
71	UAE	UAE	REG2_UAE 081	GT1	UMM ALQUWAIN		21-44.46-48	21.25.27.29.31.33.35.37-38.41-42.48
72	UAE	UAE	REG2_UAE 081	GT1	UMM ALQUWAIN		21-44.46-48	21.25.27.29.31.33.35.37-38.41-42.48
73	UAE	UAE	BR1_UAE 081	GT1	UMM ALQUWAIN		21-44.46-48	21.25.27.29.31.33.35.37-38.41-42.48
74	UAE	UAE	BR1_UAE 025	GT1	ZIRKU	BR1_DASV00	21-34.36-48	21.23-25.27.29.31.37-38.41-42.45.48

Setting the defaults (example)

- 1 Click on Digital Interferers tag
 - 2 Click on Headings toolbar
 - 3 In the pop-up window set the desired Column Preferences
 - 4 Set them as default and click OK
- Repeat the same procedure for Digital Affected

The screenshot shows the GE06 Calc software interface. The main window displays 'Channel Distribution Statistics' for UAE, showing 86 assignments and 80 allocations. The 'Channel Distribution Details' window shows a table of digital assignments with columns for No, Adm, Geo, Adm Ref Id, Not Type, Site/Allot Name, SFN Id, Ch/block, Avail, and Ch/block. A map of the UAE is visible in the background.

The 'Column Preferences' dialog box is open, showing the 'Sort Order' and 'Displayed Columns' sections. The 'Sort by' dropdown is set to 'Ch/block', and the 'Sort by' dropdown is set to 'Ascending'. The 'Then by' dropdown is set to 'Margin (dB)', and the 'Then by' dropdown is set to 'Ascending'. The 'Then by' dropdown is set to 'Adm', and the 'Then by' dropdown is set to 'Ascending'. The 'Then by' dropdown is set to 'Site/Allot Name', and the 'Then by' dropdown is set to 'Ascending'. The 'Then by' dropdown is set to '(none)', and the 'Then by' dropdown is set to 'Ascending'. The 'Set as default' button is circled in red.

The 'Digital Interferers' tab is selected in the bottom-left corner of the main window. The 'Digital Affected' tab is also visible.

No	Adm	Geo	Adm Ref Id	Not Type	Site/Allot Name	SFN Id	Ch/block	Avail	Ch/block
62	UAE	UAE	BR1_SHJ026	GT1	SHARJAH STUDIOS	BR1_SHJ0064	21-26.28-34.36-40.42-48	21.25.31.38.45	
63	UAE	UAE	BR1_UAE 064	GT1	SHUNNAYN	BR1_HABV00	21-44.46-47	21.25.27.29.31.35.37-36	
64	UAE	UAE	BR1_APR003	GT1	TARIF	BR1_JDV003	21-44.46-47	21.25.27.29.31.35.37-36	
65	UAE	UAE	BR1_UAE 113	GT1	TARIF	BR1_HABV00	21-44.46-47	21.25.27.29.31.35.37-36	
66	UAE	UAE	BR1_UAE 098	GT1	TARIF	BR1_HABV00	21-44.46-47	21.25.27.29.31.35.37-36	
67	UAE	UAE	BR1_2174	GT1	UAQ2	BR1_RAKV00	22-23.25-26.28-36.38-48	25.31.35.38.41.45	
68	UAE	UAE	BR1_2164	GT1	UAQ2	BR1_NEV-8	22-23.25-26.28-36.38-48	25.31.35.38.41.45	
69	UAE	UAE	BR1_2184	GT1	UAQ2	BR1_NEV-8	22-23.25-26.28-36.38-48	25.31.35.38.41.45	
70	UAE	UAE	BR1_APR010	GT1	UMM AL QUWAIN	BR1_RAKV00	22-23.25-26.28-36.38-48	25.31.35.38.41.45	
71	UAE	UAE	BR3_UAE 081	GT1	UMM ALQUWAIN		21-44.46-48	21.25.27.29.31.33.35.37	
72	UAE	UAE	BR2_UAE 081	GT1	UMM ALQUWAIN		21-44.46-48	21.25.27.29.31.33.35.37	
73	UAE	UAE	BR1_UAE 081	GT1	UMM ALQUWAIN		21-44.46-48	21.25.27.29.31.33.35.37	
74	UAE	UAE	BR1_UAE 025	GT1	ZIRKU	BR1_DASV00	21-34.36-48	21.23-25.27.29.31.37-36	

Example 1: List of interferers on ch. 31

Channel Distribution Statistics

Administration: UAE

Show assignable channels or freq. blocks if the maximum acceptable margin (dB) is: 4

The agreements submitted in the <COORD> section are always taken into account!

	Submitted	No available channel or frequency block	No assignable channel or frequency block	Having an assignable channel or a frequency block
Assignments	20	0	14	6
Allotments	6	0	6	0
Total	26	0	20	6

Channel Distribution Details - Digital assignments with no assignable channel or frequency block

No.	Adm	Geo	Adm Ref Id	Not Type	Site/Allot Name	SFN Id	Ch/block	Avail. Ch/block
1	UAE	UAE	BR1_UAE 019	GT1	DIBBA		21,23-48	21,25,31,38,41,45
2	UAE	UAE	BR2_UAE 072	GT1	FUJAIKRAH		21-39,41-48	21-22,25,27,28,30-31,33,35-36,38,4
3	UAE	UAE	BR1_UAE 072	GT1	FUJAIKRAH		21-39,41-48	21-22,25,27,28,30-31,33,35-36,38,4
4	UAE	UAE	BR3_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48
5	UAE	UAE	BR4_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48
6	UAE	UAE	BR2_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48
7	UAE	UAE	BR1_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48
8	UAE	UAE	BR2_UAE 022	GT1	LIWA SHAMKHAT		21,23-28,30-48	21,23-25,27-28,30-48
9	UAE	UAE	BR1_UAE 022	GT1	LIWA SHAMKHAT		21,23-28,30-48	21,23-25,27-28,30-48
10	UAE	UAE	BR3_UAE 081	GT1	SHARJAH KALBA		21,23-28,30-48	21,23-25,27-28,30-48
11	UAE	UAE	BR1_SHJ021	GT1	SHARJAH KALBA		22-45,47-48	22,25,27-28,30-31,33,35-36,38,40-4
12	UAE	UAE	BR3_UAE 081	GT1	UMM ALQUWAIN		21-44,46-48	21,25,27,29,31,33,35,37-38,41-42,4
13	UAE	UAE	BR2_UAE 081	GT1	UMM ALQUWAIN		21-44,46-48	21,25,27,29,31,33,35,37-38,41-42,4
14	UAE	UAE	BR1_UAE 081	GT1	UMM ALQUWAIN		21-44,46-48	21,25,27,29,31,33,35,37-38,41-42,4

General Analysis Results

Administration: UAE

Administration Unique Identifier: BR3_UAE 081

Site/Allotment Name: UMM ALQUWAIN

Details: Colours, Frequencies, Symbols

Geographical area: UAE

Notice Type: GT1

Not linked

Acceptable Channel/Frequency Block: 21-44,46-48

Available Channel/Frequency Block: 21,25,27,29,31,33,35,37-38,41-42,48

Assigned Channel/Frequency Block: 21,25,27,29,31,33,35,37-38,41-42,48

Digital Interferers

No.	Adm	Geo	Not T	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref I	Ch/block	Avail. Ch/block	Assigned ch/bl	8BH (dBW)	8BV (dBW)	Wanted chann	Interf. channel	Distance (km)	CNFS (dB(uV)	Margin (dB) Relatio
21	UAE	UAE	DT1	SHJ015	SHARJAH DHAID	SJHV27		27	27	27	37	27	32	27	32.2	87.6	13.89 Interfer
22	UAE	UAE	DT1	SHJ016	SHARJAH JABAL BUHAY	SJHV27		27	27	27	37	27	32	27	60	86.1	12.44 Interfer
23	UAE	UAE	DT1	SHJ019	SHARJAH STUDIOS	SJHV27		27	27	27	33	27	32	27	23.6	85.4	11.8 Interfer
24	UAE	UAE	DT1	UAE 095	TAS EARTH STATION	SJHV27		27	27	27	35	27	32	27	83.7	80.2	7.17 Interfer
25	UAE	UAE	DT1	UAE 094	FALAJ AL MUALLAA	SJHV27		27	27	27	34	27	32	27	24	76.6	4.57 Interfer
26	UAE	UAE	DT2	ALLT03	ABU DHABI			29	29	29	37	29	32	29	15.7	84.6	11.02 Interfer
27	UAE	UAE	DT1	2138	JEBEL HATTA			29	29	29	30	29	29	29	93.1	82.7	10.53 Interfer
28	UAE	UAE	DT1	2431	FUJAIKRAH-2	ECV03		31	31	31	33	31	31	31	71.9	69.4	1.31 Interfer
29	UAE	UAE	DT1	SHJ003	SHARJAH DHAID	BUHYS25		35	35	35	37	35	35	35	32.2	95.4	21.54 Interfer
30	UAE	UAE	DT1	SHJ003	SHARJAH JABAL BUHAY	BUHYS25		35	35	35	37	35	35	35	41.6	85.2	13.03 Interfer
31	UAE	UAE	DT1	SHJ004	SHARJAH STUDIOS	BUHYS25		35	35	35	37	35	35	35	23.6	89.3	15.51 Interfer

Example 1 (cont'd): List of affected on ch. 31

Channel Distribution Statistics

Administration: UAE

Show assignable channels or freq. blocks if the maximum acceptable margin (dB) is: 4

Channel Distribution Statistics

	Submitted	No available channel or frequency block	No assignable channel or frequency block	Having an assignable channel or a frequency block
Assignments	20	0	14	6
Allotments	6	0	6	0
Total	26	0	20	6

Channel Distribution Details - Digital assignments with no assignable channel or frequency block

No.	Adm	Geo	Adm Ref Id	Not Type	Site/Allot Name	SFN Id	Ch/block	Avail. Ch/block
1	UAE	UAE	BR1_UAE 019	GT1	DIBBA		21,23-48	21,25,31,38,41,45
2	UAE	UAE	BR2_UAE 072	GT1	FUJAIKRAH		21-39,41-48	21-22,25,27-28,30-31,33,35-36,38,4
3	UAE	UAE	BR1_UAE 072	GT1	FUJAIKRAH		21-39,41-48	21-22,25,27-28,30-31,33,35-36,38,4
4	UAE	UAE	BR3_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48
5	UAE	UAE	BR4_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48
6	UAE	UAE	BR2_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48
7	UAE	UAE	BR1_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48
8	UAE	UAE	BR2_UAE 022	GT1	LIWA SHAMKHAT		21,23-28,30-48	21,23-25,27-28,30-48
9	UAE	UAE	BR1_UAE 022	GT1	LIWA SHAMKHAT		21,23-28,30-48	21,23-25,27-28,30-48
10	UAE	UAE	BR2_SHJ021	GT1	SHARJAH KALBA		22-45,47-48	22,25,27,28,30-31,33,35-36,38,40-4
11	UAE	UAE	BR1_SHJ021	GT1	SHARJAH KALBA		22-45,47-48	22,25,27,28,30-31,33,35-36,38,40-4
12	UAE	UAE	BR3_UAE 081	GT1	UMM ALQUWAIN		21-44,46-48	21,25,27,29,31,33,35,37-38,41-42,44
13	UAE	UAE	BR2_UAE 081	GT1	UMM ALQUWAIN		21-44,46-48	21,25,27,29,31,33,35,37-38,41-42,44
14	UAE	UAE	BR1_UAE 081	GT1	UMM ALQUWAIN		21-44,46-48	21,25,27,29,31,33,35,37-38,41-42,44

General Analysis Results

Administration: UAE

Administration Unique Identifier: BR3_UAE 081

Site/Allotment Name: UMM ALQUWAIN

Notice Type: GT1

Geographical area: UAE

Acceptable Channel/Frequency Block: 21-44,46-48

Assigned Channel/Frequency Block: 21,25,27,29,31,33,35,37-38,41-42,44

Digital Interferers

No.	Adm	Geo	Not Type	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref I	Ch/block	Avail. Ch/block	Assigned Ch/bl	88B (dBW)	88V (dBW)	Wanted Chann	Interf. Channel	Distance (km)	CNFS (dB(uV))	Margin (dB) Relatio
70	IRN	IRN	DT1	IRN_D840961B	KUH HALWA			28	28	28	30	28	28	71.6	59.3	3.36	Interfer
71	QAT	QAT	DT1	QAT/11/M/DI/1	AL WAKRAH			29	29	29	24	29	29	100.8	52.8	2.33	Interfer
72	IRN	IRN	DT1	IRN_D840293C	HENGAM			30	30	30	30	30	30	135.3	87.4	5.45	Interfer
73	IRN	IRN	DT1	IRN_D843711D	KISH			30	30	30	25	30	30	198.7	64.4	10.39	Interfer
74	UAE	UAE	DT1	UAE 110	ALSIDRA	ADSFN4		31	31	31	34	31	31	100.9	55.5	3.48	Interfer
75	UAE	UAE	DT1	2433	DIBBA-2	ECV03		31	31	31		33	31	57	75.1	2.6	Interfer
76	IRN	IRN	DT1	IRN_D840960B	FQBOOR			32	32	32	30	32	32	142.9	64.6	14.47	Interfer
77	IRN	IRN	DT1	IRN_D843712B	KISH			32	32	32	32	32	32	202.9	64.6	10.28	Interfer
78	IRN	IRN	DT1	IRN_D841133C	JONAH			32	32	32	37	32	32	174.3	64.3	10.02	Interfer
79	IRN	IRN	DT1	IRN_D840971B	SIRI			32	32	32	36	32	32	142.1	61.3	5.19	Interfer
80	IRN	IRN	DT1	IRN_D840960B	KUH HALWA			32	32	32	30	32	32	71.4	59.9	3.32	Interfer

Example 1 (cont'd): Assigning channel 31 instead of ch. 69
 using TerRaNotices and
 applying the same steps for 2 other notices assigning ch. 42 and 48

The screenshot displays the TerRaNotices 1.2 (PROD) application window. The title bar indicates the current file is '[UAE_cleared_UMM_31_42_48.txt - GT1]'. The interface is divided into several sections:

- Notice browser (left):** A tree view showing notice types and descriptions. The entry 'GT1ADD BR1_UAE 081' is highlighted with a red circle.
- Main configuration area (center):**
 - ID1/ Assignment's unique identifier:** BR1_UAE 081
 - ID3/ Unique identifier of the corresponding plan assignment:** (Empty)
 - Fragment:** Article 11
 - Type of notification:** E/ Resubmission, Apply 4.1.2.5 procedure
 - Notification intended for:** Addition (selected), Modification
 - Assignment characteristics:** Antenna characteristics
 - Station information:**
 - 4A/ Antenna:** UMM ALQUWAIN (circled in red)
 - 4B/ Geographic area:** UAE
 - 4C/ Longitude:** 55° 39' 51" E, Latitude: 25° 31' 29" N
 - 9A/ Altitude of site above sea level:** 40 m
 - 3A1/ Cell sign:** (Empty)
 - 1A/ Assigned frequency:** 554 MHz (circled in red)
 - 9D/ Polarization:** V
 - BBH/ Horizontal e.r.p.:** dBW
 - 7H/ Reference planning configuration:** RPC2
 - BBT/ Maximum e.r.p. at Beam tilt angle:** dBW
 - 7K/ Receive mode:** 7C1 / TV System
 - 9S/ Beam tilt angle:** Deg
 - Antenna characteristics:**
 - 9/ Antenna directivity:** D
 - 9EB/ Maximum Effective Antenna Height:** 160 m
 - 9E/ Height of Antenna Above Ground Level:** 125 m
 - Digital plan entry parameters:**
 - DEC/ Plan entry:** 1
 - DAC/ Assgn. code:** Standalone
 - SYNC/ SFN id:** (Empty)
 - ID2/ Unique identifier:** (Empty)
 - SFN id:** (Empty)
 - Coordination:**
 - 11C/ Signed commitment:** (Empty)
 - 2E/ Expiry date:** (Empty)
 - 11D/ Plan remark conditions met:** (Empty)
 - Coordination successfully completed with the following administrations:** Available: AFG, AFS, AGL, ALB, ALG; Selected: (Empty)
 - 13C/ Notified remarks:** (Empty)

The Windows taskbar at the bottom shows the system clock as 16:36 on 05/05/2014. The TerRa Africa logo is visible in the taskbar.

Example 1 (cont'd)

- ✓ Validate and save the notice file
- ✓ Browse and upload it together with the notice files of neighboring countries to eBCD web-portal - eTools: <https://www.itu.int/ITU-R/eBCD/MemberPages/eCalculations.aspx>
- ✓ Complete Submission

The screenshot shows the ITU eTools web portal. The main content area is titled "eCalculations Utility" and includes a navigation menu with "eQry", "ePub", "eTools", "myAdmin", "eBCD", and "Logout". The "eTools" section is highlighted, and the "Calculations on-demand" sub-section is active. The "eCalculations Utility" section shows a dropdown menu for "GE06" with "GE06D ASMG Compatibility Analyse" selected. A "Complete Submission" button is visible. Below this, a table lists uploaded files and their corresponding notice counts. The table is circled in red.

Country	E-notice file	Number of Notices
ARS	ARS_cleared.txt	290
OMA	OMA_1_cleared1.txt	27
QAT	QAT.txt	55
UAE	UAE_cleared_UMM_31_42_48.txt	26

Example 1 (cont'd)

- ✓ Label your job and click Submit

The screenshot shows the ITU eTools web interface. The browser address bar displays <http://web.itu.int/ITU-R/eBCD/MemberPages/eCalculations.aspx>. The page features a navigation menu with options: eQry, ePub, eTools, myAdmin, eBCD, and Logout. The main heading is "eTools" with sub-sections "eBCD statistics" and "Calculations on-demand". Below this, there are buttons for "eCalculations Utility", "SRTM3", and "Utilities".

The main content area includes a disclaimer and status information: "The processing system is currently ONLINE: 6 processes available". It prompts the user to "Please select the calculation type" with a dropdown menu set to "GE06" and a secondary dropdown set to "GE06D ASMG Compatibility Analyze". A "Back to calculation history" button is also present.

The instruction "Please label your submission" is followed by a text input field containing "test UAE" and a "Submit" button. Both the input field and the button are circled in red.

Below the input field is a table showing the number of notices for various administrative files:

Adm	E-notice file	Number of Notices
ARS	ARS_cleared.txt	290
OMA	OMA_1_cleared1.txt	27
QAT	QAT.txt	55
UAE	UAE_cleared UMM_31_42_48.txt	26

At the bottom of the page, there is a footer with the text: "Top - Feedback - Contact Us - Copyright © ITU 2014 All Rights Reserved. Contact for this page : Webmaster. Generated : 2014-05-05".

Example 1 (cont'd)

- ✓ Wait for results

The screenshot shows the ITU eTools web interface. The page title is "eCalculations" and the URL is "http://web.itu.int/ITU-R/eBCD/MemberPages/eCalculations.aspx". The interface includes a navigation menu with options like "eQry", "ePub", "eTools", "myAdmin", "eBCD", and "Logout". The main content area displays "eTools" and "Calculations on-demand". Below this, there are links for "eCalculations Utility", "SRTM3", and "Utilities". A section titled "eTools Disclaimer" and "eTools Documentations" is visible, along with a status message: "The processing system is currently ONLINE: 6 processes available". A dropdown menu is set to "GE06" and "GE06D ASMG Compatibility Analyse". A "New Calculation" button is present. Below that, a "Refresh" button and a user selection dropdown for "sestacov" are shown. The "Jobs History for user: sestacov" section contains a table with the following data:

Job ID	Job Name	Job Status	Job ID	Date of Request	Date of Start Run	Date of Completion	Process	Elapsed Time (minutes)
12049	test_UAE	Success	ART4_Compatibility_ServerASMG	5/5/2014 3:35:18 PM	5/5/2014 3:59:50 PM	5/5/2014 4:05:16 PM	BR-GE06-2_4	30

Below the table, there are sections for "Job summary", "Job Input", and "Job Output". The "Job Input" section shows a table with columns "Adm", "E-notice file", and "Number of Notices".

Adm	E-notice file	Number of Notices
ARS	ARS_cleared.txt	290
OMA	OMA_1_cleared1.txt	27
QAT	QAT.txt	55
UAE	UAE_cleared_URM_31_42_48.txt	26

The "Job Output" section includes a "Download results" link. The Windows taskbar at the bottom shows the system clock at 17:36 on 05/05/2014.

- ✓ Download the results file and unzip it
- ✓ Launch GE06Calc and open saved .mdb file to view the results

Example 1 (cont'd): List of interferers on ch. 31

[C:\ASMG_exercise\ARS_OMA_QAT_UAE\4_countries_test\GE06_out.mdb] GE06 Calc

File Edit View Tools Preferences Window Help

Channel Distribution Statistics

Administration UAE Refresh

Show assignable channels or freq. blocks if the maximum acceptable margin (dB) is: 4

Show assignable channels or freq. blocks if ignoring incompatibilities between requirements where one or both has/have a range of available freq

Ignore self incompatibilities Do not consider interference to the wanted requirement

The agreements submitted in the <COORD> section are always taken into account!

Channel Distribution Statistics

	Submitted	No available channel or frequency block	No assignable channel or frequency block	Having an assignable channel or a frequency block
Assignments	20	0	14	6
Allotments	6	0	6	0
Total	26	0	20	6

Channel Distribution Details - Digital assignments with no assignable channel or frequency block

No.	Adm	Geo Area	Adm Ref Id	Not Type	Site/Allot Name	SFN Id	Ch/block	Avail. Ch/block	As
1	UAE	UAE	BR1_UAE 019	GT1	DIBBA		21,23-48	21,25,31,38,41,45	
2	UAE	UAE	BR2_UAE 072	GT1	FUJAIKRAH		21-39,41-48	21-22,25,27-28,30-	
3	UAE	UAE	BR1_UAE 072	GT1	FUJAIKRAH		21-39,41-48	21-22,25,27-28,30-	
4	UAE	UAE	BR3_UAE 087	GT1	LJVA LAHMAZI		21-48	21-25,27-48	
5	UAE	UAE	BR4_UAE 087	GT1	LJVA LAHMAZI		21-48	21-25,27-48	
6	UAE	UAE	BR2_UAE 087	GT1	LJVA LAHMAZI		21-48	21-25,27-48	
7	UAE	UAE	BR1_UAE 087	GT1	LJVA LAHMAZI		21-48	21-25,27-48	
8	UAE	UAE	BR2_UAE 022	GT1	LJVA SHAMKHAT		21,23-28,30-48	21,23-25,27-28,30-	
9	UAE	UAE	BR1_UAE 022	GT1	LJVA SHAMKHAT		21,23-28,30-48	21,23-25,27-28,30-	
10	UAE	UAE	BR2_SHJ021	GT1	SHARJAH KALBA		22-45,47-48	22,25,27-28,30-31,	
11	UAE	UAE	BR1_SHJ021	GT1	SHARJAH KALBA		22-45,47-48	22,25,27-28,30-31,	
12	UAE	UAE	BR3_UAE 081	GT1	UMM ALQUWAIN		42	42	
13	UAE	UAE	BR2_UAE 081	GT1	UMM ALQUWAIN		48	48	
14	UAE	UAE	BR1_UAE 081	GT1	UMM ALQUWAIN		31	31	

General Analysis Results

Administration UAE

Administration Unique Identifier: BR1_UAE 081

Site/Allotment Name: UMM ALQUWAIN

Show multi-channel reqs.

Details Colours Frequencies Symbols

Geographical area UAE

Notice Type GT1

Not linked

Acceptable Channel/Frequency Block: 31

Available Channel/Frequency Block: 31

Assigned Channel/Frequency Block: 31

Digital Interferers

No.	Adm	Geo	Not T	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref I	Ch/block	Avail. Ch/block	Assigned ch/bl	8BH (dBW)	8BV (dBW)	Wanted chann	Interf. channel	Distance (km)	CNFS (dB(uV))	Margin (dB)	Relation
1	UAE	UAE	GT2	BR2_ALLT03	ABU DHABI 2	BR2_ALLT03		21-28,30-41,43	21,25,27,31,35				31	31	149.4	83.2	7.99	Interferenc
2	UAE	UAE	GT2	BR1_ALLT03	ABU DHABI 2	BR1_ALLT03		21-28,30-41,43	21,25,27,31,35				31	31	149.4	83.2	7.99	Interferenc
3	UAE	UAE	GT1	BR3_2136	JEBEL HATTA			21-28,30-48	21-25,27,30-31				30 31	31	93.6	82.3	7.25	Interferenc
4	UAE	UAE	GT1	BR2_2136	JEBEL HATTA			21-28,30-48	21-25,27,30-31				30 31	31	93.6	82.3	7.25	Interferenc
5	UAE	UAE	GT1	BR1_2136	JEBEL HATTA			21-28,30-48	21-25,27,30-31				30 31	31	93.6	82.3	7.25	Interferenc

16:16 05/05/2014

Example 1 (cont'd): List of affected on ch. 31

Channel Distribution Statistics

Administration: UAE

Show assignable channels or freq. blocks if the maximum acceptable margin (dB) is: 4

Show assignable channels or freq. blocks if ignoring incompatibilities between requirements where one or both has/have a range of available freq

Ignore self incompatibilities Do not consider interference to the wanted requirement

The agreements submitted in the <COORD> section are always taken into account!

Channel Distribution Statistics

	Submitted	No available channel or frequency block	No assignable channel or frequency block	Having an assignable channel or a frequency block
Assignments	20	0	14	6
Allotments	6	0	6	0
Total	26	0	20	6

Channel Distribution Details - Digital assignments with no assignable channel or frequency block

UHF Channel Distribution		VHF Channel Distribution								
No	Adm	Geo Area	Adm Ref Id	Not Type	Site/Allot Name	SFN Id	Ch/block	Avail. Ch/block	As	
1	UAE	UAE	BR1_UAE 019	GT1	DIBBA		21,23-48	21,25,31,38,41,45		
2	UAE	UAE	BR2_UAE 072	GT1	FUJAJRAH		21-39,41-48	21-22,25,27-28,30-		
3	UAE	UAE	BR1_UAE 072	GT1	FUJAJRAH		21-39,41-48	21-22,25,27-28,30-		
4	UAE	UAE	BR3_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48		
5	UAE	UAE	BR4_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48		
6	UAE	UAE	BR2_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48		
7	UAE	UAE	BR1_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48		
8	UAE	UAE	BR2_UAE 022	GT1	LIWA SHAMKHAT		21,23-28,30-48	21,23,25,27-28,30-		
9	UAE	UAE	BR1_UAE 022	GT1	LIWA SHAMKHAT		21,23-28,30-48	21,23,25,27-28,30-		
10	UAE	UAE	BR2_SHJ021	GT1	SHARJAH KALBA		22-45,47-48	22,25,27-28,30-31,		
11	UAE	UAE	BR1_SHJ021	GT1	SHARJAH KALBA		22-45,47-48	22,25,27-28,30-31,		
12	UAE	UAE	BR2_UAE 081	GT1	UMM ALQUWAIN		48	48		
13	UAE	UAE	BR2_UAE 081	GT1	UMM ALQUWAIN		48	48		
14	UAE	UAE	BR1_UAE 081	GT1	UMM ALQUWAIN		31	31		

General Analysis Results

Administration: UAE

Administration Unique Identifier: BR1_UAE 081

Site/Allotment Name: UMM ALQUWAIN

Show multi-channel reqs.

Details Colours Frequencies Symbols

Geographical area: UAE

Notice Type: GT1

Not linked

Acceptable Channel/Frequency Block: 31

Available Channel/Frequency Block: 31

Assigned Channel/Frequency Block: 31

Digital Interferences Digital Affected

No	Adm	Geo Area	Not Type	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref Id	Ch/block	Avail. Ch/block	Assigned Ch/bl	8BH (dBW)	8BV (dBW)	Wanted Chann	Interf. Channel	Distance (km)	CNFS (dB(uV))	Margin (dB) Relatio
5	QAT	QAT	GT1	BR2_QAT/11/M/	AL WAKRA			21-26,28,30-48	21,23-25,31,35		24	31	31	31	410.3	52.3	2.57 Interfer
6	QAT	QAT	GT1	BR1_QAT/11/M/	AL WAKRA			21-26,28,30-48	21,23-25,31,35		24	31	31	31	410.3	52.3	2.57 Interfer
7	QAT	QAT	GT1	BR3_QAT/11/M/	AL KHOR			21-44,46-48	21,23-25,27,31		24	31	31	31	418	49.3	1.47 Interfer
8	QAT	QAT	GT1	BR2_QAT/11/M/	AL KHOR			21-44,46-48	21,23-25,27,31		24	31	31	31	418	49.3	1.47 Interfer
9	QAT	QAT	GT1	BR1_QAT/11/M/	AL KHOR			21-44,46-48	21,23-25,27,31		24	31	31	31	418	49.3	1.47 Interfer
10	QAT	QAT	GT1	BR3_QAT/11/M/	SUDANTHEEL			21-48	21-25,27-35,37		24	31	31	31	466	57	5.31 Interfer
11	QAT	QAT	GT1	BR4_QAT/11/M/	SUDANTHEEL			21-48	21-25,27-35,37		24	31	31	31	466	57	5.31 Interfer
12	QAT	QAT	GT1	BR1_QAT/11/M/	SUDANTHEEL			21-48	21-25,27-35,37		24	31	31	31	466	57	5.31 Interfer
13	QAT	QAT	GT1	BR2_QAT/11/M/	SUDANTHEEL			21-48	21-25,27-35,37		24	31	31	31	466	57	5.31 Interfer
14	QAT	QAT	GT1	BR1_89104982	MARKHIYAH			22-36,38-41,43	23-25,27,31,35		24	31	31	31	417.2	50.2	1.72 Interfer
15	UAE	UAE	DT1	UAE 110	ALSIDRA		AD9FN4	31	31	31	34	31	31	31	100.9	55.7	3.59 Interfer
16	UAE	UAE	DT1	2433	DIBBA-2		ECV03	31	31	31	33	31	31	31	57	75.2	2.64 Interfer

Example 1 (cont'd)

- ✓ Tick the box - Show assignable channels or frequency block if ignoring incompatibilities... and click Refresh

The screenshot shows the GE06 Calc software interface. The 'Channel Distribution Statistics' window is open, displaying the following data:

	Submitted	No available channel or frequency block	No assignable channel or frequency block	Having an assignable channel or a frequency block
Assignments	80	0	43	37
Allotments	6	0	6	0
Total	86	0	49	37

The 'Channel Distribution Details' window is also open, showing a table of digital assignments with an assignable channel or frequency block. The table is circled in red, highlighting the following data:

No.	Adm	Geo Area	Adm Ref Id	Not.Type	Site/Allot Name	SFN Id	Ch/block	Avail. Ch/block	Assignable Ch/block
28	UAE	UAE	BR1_UAE 038	GT1	MUNIEF	BR1_JDV003	21-44,46-47	21,25,27,29,31	41
29	UAE	UAE	BR1_UAE 044	GT1	QURIEN ALEISH	BR1_JDV003	21-44,46-47	21,25,27,29,31	41
30	UAE	UAE	BR1_2323	GT1	RAMAH	BR1_AANV02	21-39,41-48	21-39,41-48	22-23,25-26,28,32-33,38,46,
31	UAE	UAE	BR2_SHJ021	GT1	SHARJAH KALBA		22-45,47-48	22,25,27-28,30	28
32	UAE	UAE	BR1_SHJ021	GT1	SHARJAH KALBA		22-45,47-48	22,25,27-28,30	28
33	UAE	UAE	BR1_UAE 0003	GT1	TARIF	BR1_JDV003	21-44,46-47	21,25,27,29,31	41
34	UAE	UAE	BR3_UAE 081	GT1	UMM ALQUWAIN		21-44,46-48	21,25,27,29,31	31,42,48
35	UAE	UAE	BR2_UAE 081	GT1	UMM ALQUWAIN		21-44,46-48	21,25,27,29,31	31,42,48
36	UAE	UAE	BR1_UAE 081	GT1	UMM ALQUWAIN		21-44,46-48	21,25,27,29,31	31,42,48
37	UAE	UAE	BR1_UAE 025	GT1	ZIRKU	BR1_DASV00	21-34,36-48	21,23,25,27,29,31	23,25,41

Example 2

Single frequency network on channel 28:

ALEPPO (44 dBW, Heff max = 213 m, Pol. H, Directional antenna)

UM MIAL (40 dBW, Heff max = 158 m, Pol. H, Directional antenna)

IFREEN (41 dBW, Heff max = 876 m, Pol. H, Directional antenna)

Example 2 (Station ALEPPO: List of interferers)

The screenshot shows a software application window titled "IC:\ASMG_exercise\ASMG_iteration 22\Data\IterationResults_WithCoord.mdb] GE06 Calc - [General Analysis Results]". The interface includes a menu bar (File, Edit, View, Tools, Preferences, Window, Help), a left-hand panel with various settings, and a main map area. The map displays a geographical outline of the region, with a large blue-shaded area representing the Mediterranean Sea. A small blue icon is visible on the map, likely representing the station location.

Below the map, a table titled "Digital Interferers" provides a list of interfering stations. The table has the following columns: No, Adm, Geo, NotT, Adm Ref Id, Site/Allot Name, SFN Id, Allot Adm Ref I, Ch/block, Avail. Ch/block, Assig, 8BH (dBV), 8BV (dBV), Wanted chann, Interf. channel, Distance (km), CNFS (dB(uV)), Margin (dB), and Relation.

No	Adm	Geo	NotT	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref I	Ch/block	Avail. Ch/block	Assig	8BH (dBV)	8BV (dBV)	Wanted chann	Interf. channel	Distance (km)	CNFS (dB(uV))	Margin (dB)	Relation
1	SYR	SYR	DT1	SYRATHREA1	ATHREA			28	28	28	48		28	28	98.7	75.9	3.27	Interference

The Windows taskbar at the bottom shows the system tray with the date 08/04/2015 and time 08:53.

Example 2 (Station ALEPPO: List of affected)

Software window: [C:\ASMG_exercise\ASMG iteration 22\Data\iterationResults_WithCoord.mdb] GE06 Calc - [General Analysis Results]

Administration: SYR
 Administration Unique Identifier: SYRALEP6
 Ste/Allotment Name: ALEPPO
 Show multi-channel reqs.

Details | Colours | Frequencies | Symbols

Geographical area: SYR
 Notice Type: GT1
 SFN Identifier: SFN3
 Acceptable Channel/Frequency Block: 28
 Available Channel/Frequency Block:
 Assigned Channel/Frequency Block:
 Coord Completed:
 Coord Required under Art. 4: LBN TUR

Digital Interferers | Digital Affected

No.	Adm	Geo	NotT	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref I	Ch/block	Avail. Ch/block	Assig	8BH (dBW)	8BV (dBW)	Wanted Chann	Interf. Channel	Distance (km)	CNFS (dB(uV))	Margin (dB) Relation
1	SYR	SYR	DT1	SYRATHREA1	ATHREA			28	28	28	48	28	28	28	67.1	69.1	14.99 Interference
2	SYR	SYR	DT1	SYRBALAAS4	BALAAS			28	28	28	32	28	28	28	177.1	63.4	9.71 Interference
3	SYR	SYR	DT1	SYRHOSN8	HOSEN			28	28	28	36.27	28	28	28	190	63	9.3 Interference
4	SYR	SYR	DT1	SYRKASB8	KASAB			28	28	28	29.72	28	28	28	114.3	60	6.83 Interference
5	SYR	SYR	DT1	SYRKARAM16	AL KARAMAH			28	28	28	37.53	28	28	28	206.3	58.3	5.52 Interference
6	SYR	SYR	DT1	SYRBAASH2	BAASHTER			28	28	28	40	28	28	28	176.2	56.9	4.56 Interference
7	SYR	SYR	DT1	SYRYAB7	YABROUD			28	28	28	30	28	28	28	265.9	52	2.03 Interference
8	SYR	SYR	DT1	SYRABDAZ4	ABDELAZEZ			28	28	28	40	28	28	28	291.9	50.8	1.63 Interference
9	SYR	SYR	DT1	SYRBLO5	BLODAN			28	28	28	35	28	28	28	284.9	50.6	1.58 Interference

System tray: 09:07 08/04/2015

Example 2 (Station UM MIAL: List of interferers)

The screenshot displays a software window titled "GE06 Calc - [General Analysis Results]". The main area shows a map of the Middle East region with a station location marked by a blue square icon labeled "UM MIAL". The sidebar on the left contains the following information:

- Administration:** Administration Unique Identifier: SYRUMM28SFNA, Site/Allotment Name: UM MIAL, Show multi-channel reqs:
- Details:** Geographical area: SYR, Notice Type: GT1, SFN identifier: SFN9
- Channel/Frequency Block:** Acceptable: 28, Available: 28, Assigned: (empty)
- Coord Completed:** LBN TUR

At the bottom of the window, a table titled "Digital Interferers" lists the following data:

No.	Adm	Geo	Not	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref I	Ch/block	Avail. Ch/block	Assig	8BH (dBW)	8BV (dBW)	Wanted chann	Interf. channel	Distance (km)	CNFS (dB(uV))	Margin (dB)	Relation
1	SYR	SYR	DT1	SYRATHREA1	ATHREA	REG61-28		28	28	28	48	28	28	28	112.3	77.8	4.38	Interferenc
2	TUR	TUR	DT2	TUR_REGION_61_28	REG_61			28	28	28					96	71	1.36	Interferenc

Example 2 (Station UM MIAL: List of affected)

The screenshot displays a software application window titled "[C:\ASMG_exercise\ASMG iteration 22\Data\IterationResults_WithCoord.mdb] GE06 Calc - (General Analysis Results)". The interface includes a left-hand sidebar with various configuration options, a central map area, and a bottom table of results.

Left Sidebar Configuration:

- Administration: SYR
- Administration Unique Identifier: SYRUMM28SFNA
- Site/Allotment Name: UM MIAL
- Show multi-channel reqs.
- Details: Colours, Frequencies, Symbols
- Geographical area: SYR
- Notice Type: GT1
- SFN Identifier: SFN9
- Acceptable Channel/Frequency Block: 28
- Available Channel/Frequency Block: (empty)
- Assigned Channel/Frequency Block: (empty)
- Coord Completed: (empty)
- Coord Required under Art 4: LBN TUR

Map Area: Shows a geographical map with several blue-shaded regions. There are also several small icons with 'x' marks scattered across the map, likely representing specific stations or points of interest.

Digital Interferers and Affected Stations Table:

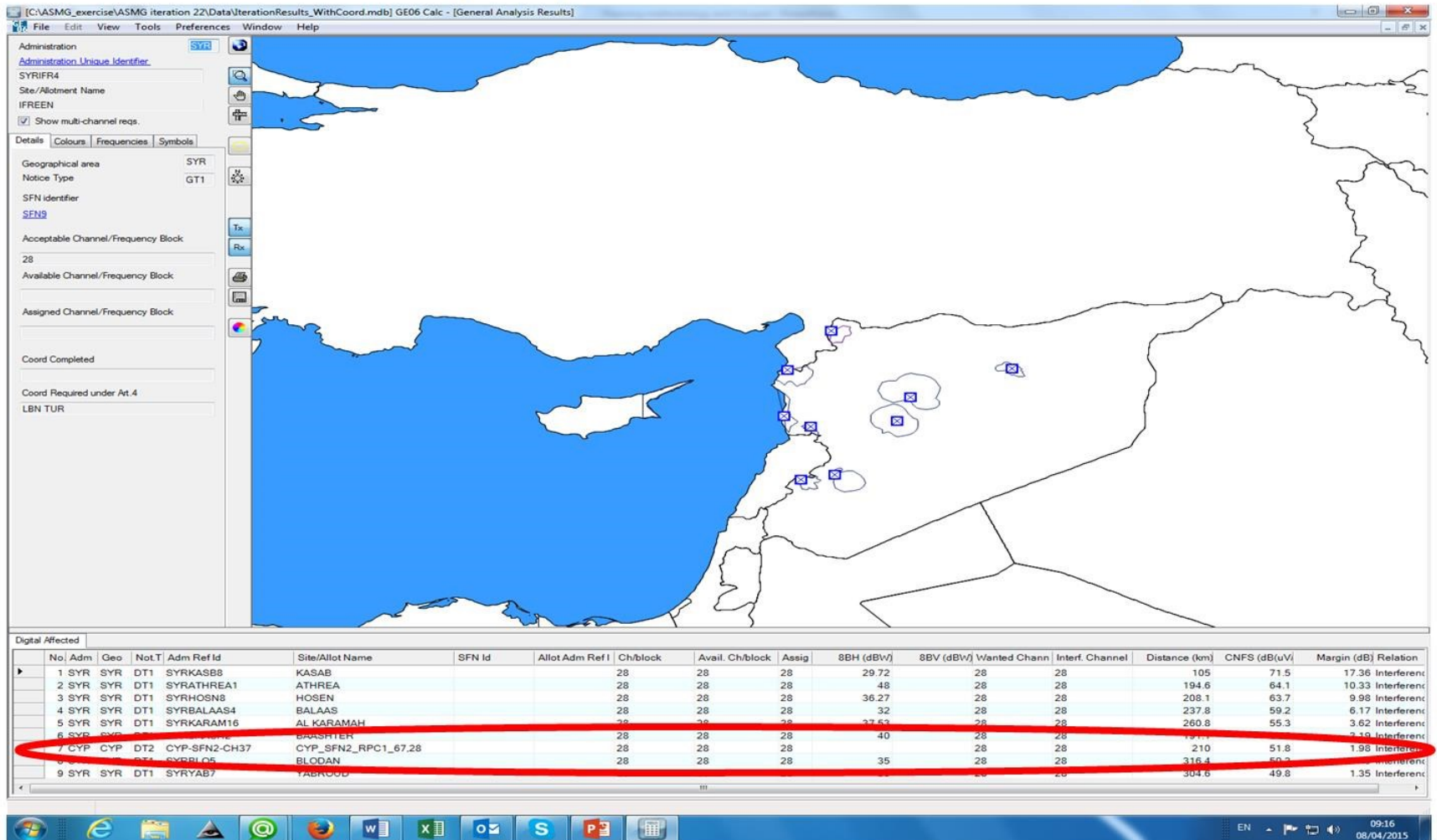
No.	Adm	Geo	NoLT	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref I	Ch/block	Avail. Ch/block	Assig	8BH (dBW)	8BV (dBW)	Wanted Chann	Interf. Channel	Distance (km)	CNFS (dB(uV))	Margin (dB)	Relation
1	SYR	SYR	DT1	SYRATHREA1	ATHREA			28	28	28	48	28	28	28	127.9	64.1	10.29	Interferenc
2	SYR	SYR	DT1	SYRKARAM16	AL KARAMAH			28	28	28	37.53	28	28	28	156.4	62.5	8.88	Interferenc
3	SYR	SYR	DT1	SYRABDAZ4	ABDELAZEZ			28	28	28	40	28	28	28	231.4	53	2.47	Interferenc
4	SYR	SYR	DT1	SYRBALAA4	BALAAAS			28	28	28	32	28	28	28	202.2	52.5	2.25	Interferenc

Example 2 (Station IRFEEN: List of interferers)



There are no interferers

Example 2 (Station IRFEEN: List of affected)



Example 2 (Station IRFEEN: List of affected)

Detailed analysis results

C:\ASMG_exercise\ASMG iteration 22\Data\IterationResults_WithCoord.mdb) GE06 Calc - [General Analysis Results]

Administration
 Administration Unique Identifier: SYR
 SYRIFR4
 Site/Allotment Name: IRFEEN
 IFREEN
 Show multi-channel reqs.

Geographical area: SYR
 Notice Type: GT1
 SFN Identifier: SEN9

Acceptable Channel/Frequency Block: 28
 Available Channel/Frequency Block:
 Assigned Channel/Frequency Block:
 Coord Completed:
 Coord Required under Art.4: LBN TUR

DetailedAnalysis

Requirement under investigation: **Digital Affected:**
 CYP_SFN2_RPC1_67.28

Running directory: C:\Users\sestacov\AppData\Local\Apps\2.0\ND860ELO.1J2\KDDA6C82.527\ge06...tion_47078376812e17bf_0001.0005_0278b024c52397e7\planningExercise\Details\20150408_0922
 command for named approach: C:\Users\sestacov\AppData\Local\Apps\2.0\ND860ELO.1J2\KDDA6C82.527\ge06...tion_47078376812e17bf_0001.0005_0278b024c52397e7\planningExercise\Executables\d2uhf CYP_SFN2_RPC1_67.28
 Extracting digital requirements from database
 starting req2bin.exe completed in: 0.5020502
 starting station_name.bat completed in: 0.5240524
 Detailed analysis results file name: C:\Users\sestacov\AppData\Local\Apps\2.0\ND860ELO.1J2\KDDA6C82.527\ge06...tion_47078376812e17bf_0001.0005_0278b024c52397e7\planningExercise\Details\20150408_0922\uhf_d2d_out.uhf

Adding results from C:\Users\sestacov\AppData\Local\Apps\2.0\ND860ELO.1J2\KDDA6C82.527\ge06...tion_47078376812e17bf_0001.0005_0278b024c52397e7\planningExercise\Details\20150408_0922\uhf_d2d_out.uhf

Version 2.1.0 of EBU programme (16/05/06) to analyze the cases of potential incompatibility between UHF digital requirements
 This particular programme considers the interference to an individual requirement
 The input data are on a binary file and the output data are written to two text files used as the input to read74UHF
 The location variation of test points on the sea is calculated as if they were on land.

The items in the listing below have the following meanings
 in the case of an interfering assignment, (erph) and (erpv) relate to the maximum erps
 (erp) and (erftst) relate to the values on the quoted bearing (bear) from the assignment to the test point
 the test point (wtpng, wtplat) is at distance (dist) from the interfering assignment
 any (ang) quoted is the angle from the wanted requirement to the test point
 in the case of an interfering allotment, (isgng) and (isglat) is the location of the current RN
 and (bear) and (dist) are relative to this point

```

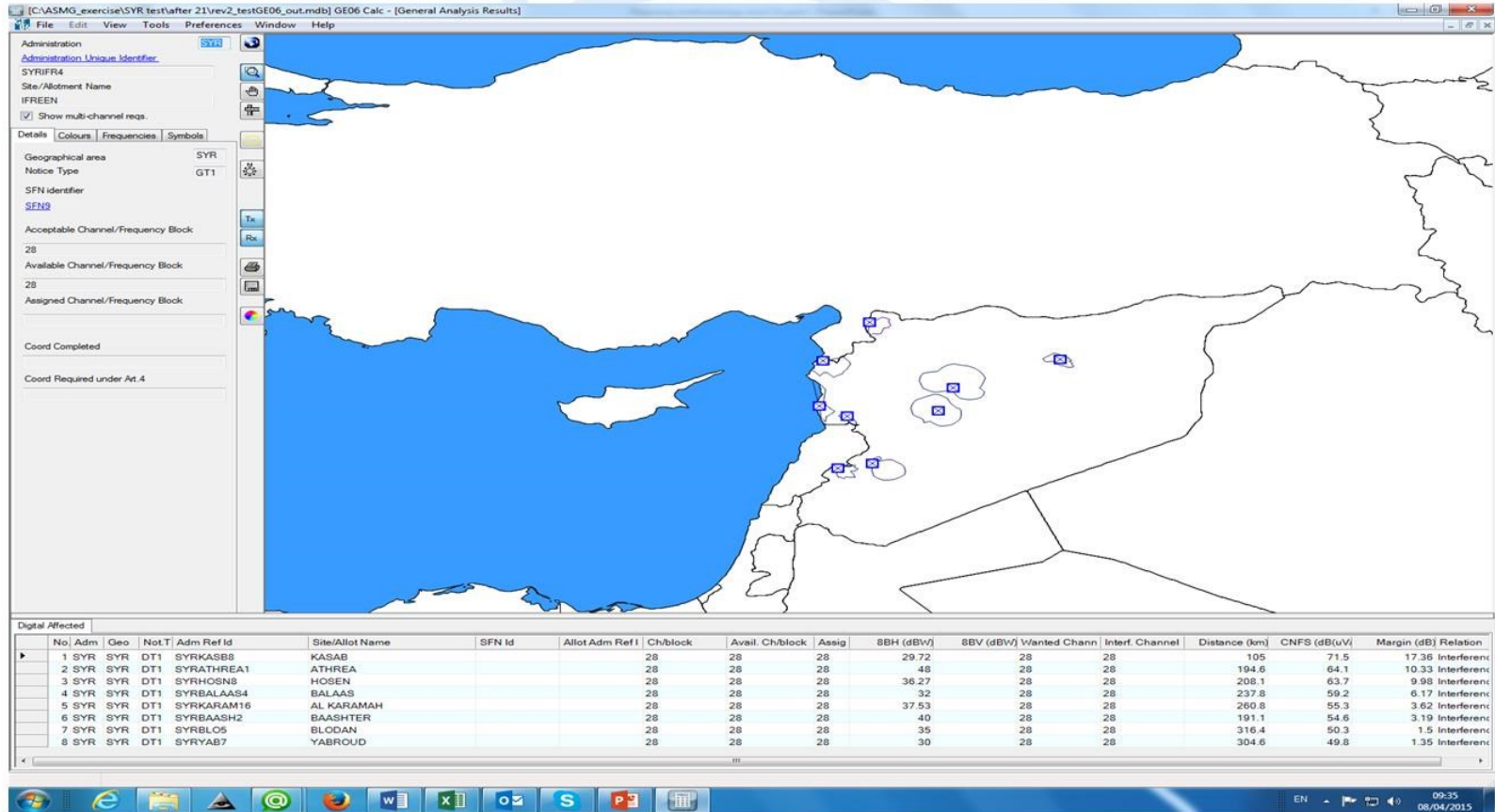
CYP CYP_SFN2_RPC1_67.28 CYP-SFN2-CH3 pol H allotment RPC 1 FO RN 4 chan 28 min med 54.2
SYR SYRIFR4 IFREEN chan 28 prt 33.8 dB
adm identifier pol erph erpv erp erftst bear dist cnfs margin ang wtpng wtplat
SYR SYRIFR4 H 41.0 -99.9 D 17.0 799.5 241.9 210.0 51.8 1.88 94.57 35.67
SYR SYRIFR4 H 41.0 -99.9 D 17.0 797.4 241.4 221.6 50.6 1.57 94.47 35.61
SYR SYRIFR4 H 41.0 -99.9 D 23.0 773.0 232.5 291.0 51.2 1.77 94.09 34.96
  
```

Digital Affected

No	Adm	Geo	NotT	Adm Ref Id	Site/Allot Name	SFN id	Allot Adm Ref I	Ch/block	Avail. Ch/block	Assig	8BH (dBW)	8BV (dBW)	Wanted Chann	Interf. Channel	Distance (km)	CNFS (dB(uV))	Margin (dB)	Relation
1	SYR	SYR	DT1	SYRKASB8	KASAB			28	28	28	29.72	28	28	28	105	71.5	17.36	Interferent
2	SYR	SYR	DT1	SYRATHREA1	ATHREA			28	28	28	48	28	28	28	194.6	64.1	10.33	Interferent
3	SYR	SYR	DT1	SYRHOSN8	HOSEN			28	28	28	36.27	28	28	28	208.1	63.7	9.98	Interferent
4	SYR	SYR	DT1	SYRBALAAS4	BALAAS			28	28	28	32	28	28	28	237.8	59.2	6.17	Interferent
5	SYR	SYR	DT1	SYRKARAM16	AL KARAMAH			28	28	28	37.53	28	28	28	260.8	55.3	3.62	Interferent
6	SYR	SYR	DT1	SYRBAASH2	BAASHTER			28	28	28	40	28	28	28	191.1	54.6	3.19	Interferent
7	CYP	CYP	DT2	CYP-SFN2-CH37	CYP_SFN2_RPC1_67.28			28	28	28		28	28	28	210	51.8	1.98	Interferent
8	SYR	SYR	DT1	SYRBLOS	BLODAN			28	28	28	35	28	28	28	316.4	50.3	1.5	Interferent
9	SYR	SYR	DT1	SYRYAB7	YABROUD			28	28	28	30	28	28	28	304.6	49.8	1.35	Interferent

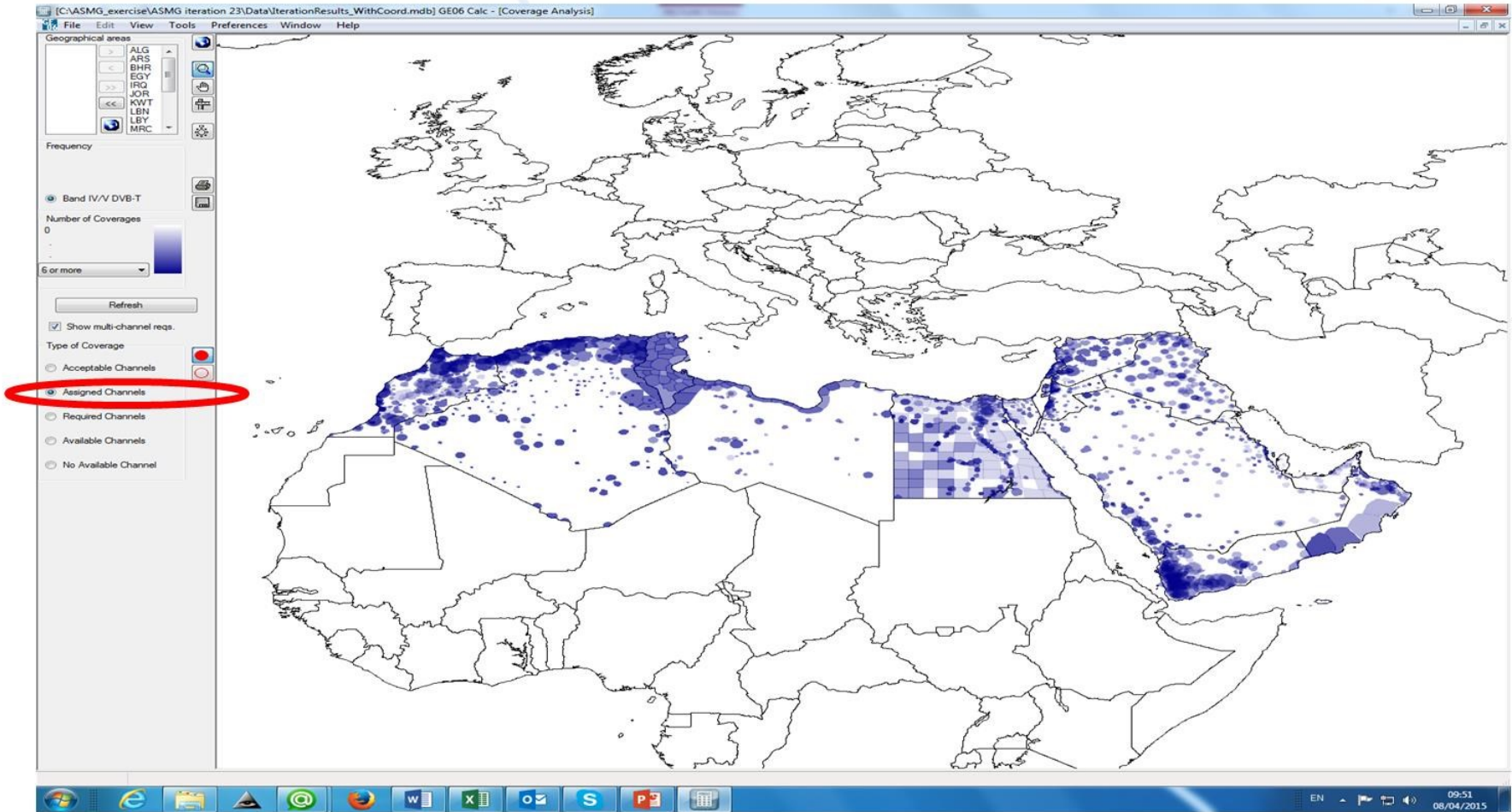
Example 2 (Station IRFEEN: List of affected)

Proposal in order to comply with 1.25 dB margin for the affected CYP allotment:
To reduce ERP in direction 230° by 2 dB, in direction 240° by 3 dB



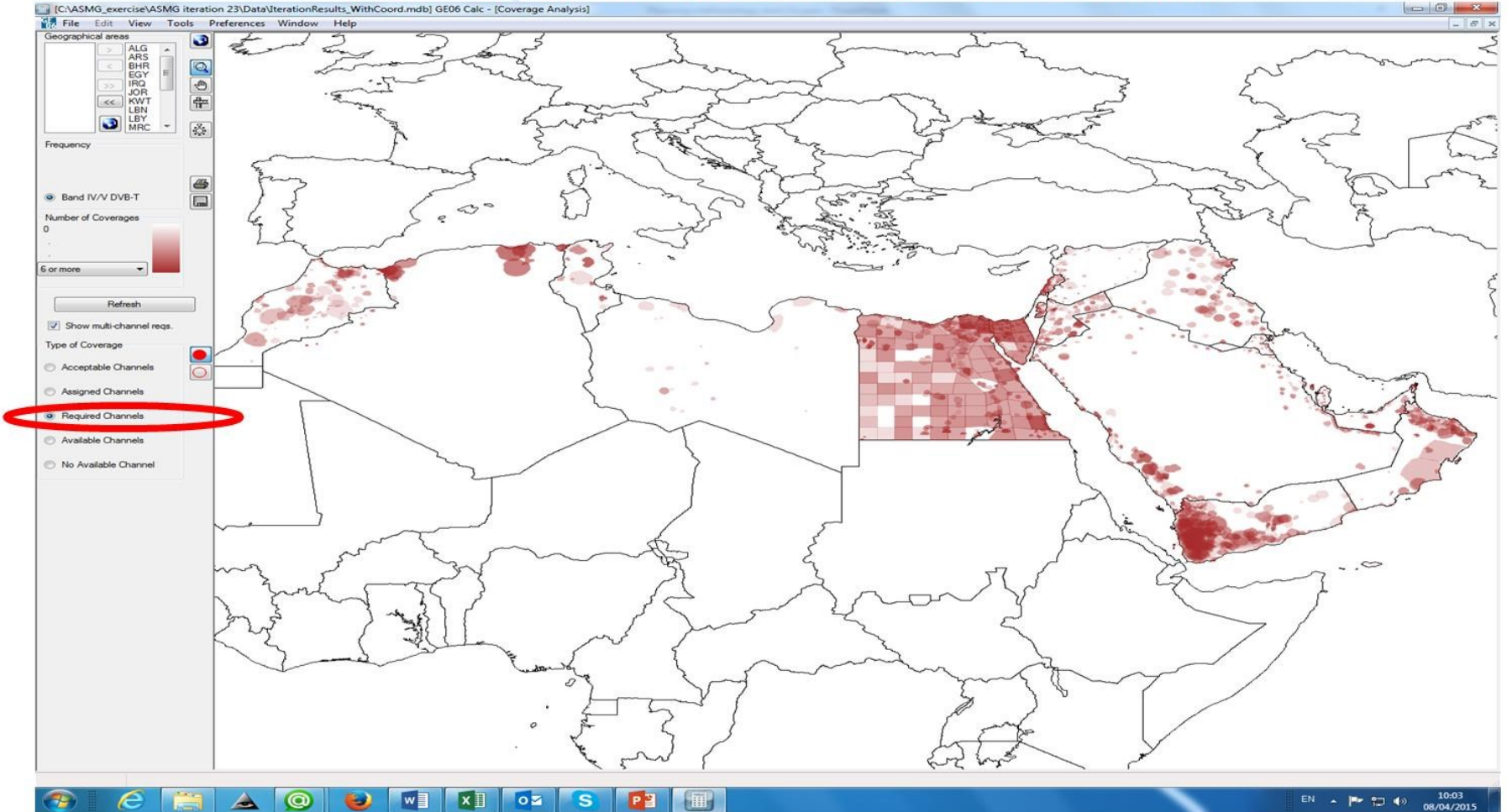
Coverage analysis

Channels recorded in GE06D Plan



Coverage analysis

Requirements submitted for the 23rd ASMG iteration



Thank you for your attention!

Questions?

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