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# Finding new channels – compatibility analysis



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*Committed to connecting the world*

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# 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

*TerRaQ*

*TerRaNotices*

*GE06Calc*

**WISFAT**

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## 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

(see also Doc. INFO-3)



# 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 main window is titled "Channel Distribution Statistics" and displays a table with columns: Submitted, No assignable channel or frequency block, and Having an assignable channel or a frequency block. The "Submitted" column has a value of 80, and the "Having an assignable channel or a frequency block" column has a value of 6. A red circle highlights the number 4 in the "Administration" section, and another red circle highlights the number 24 in the "No assignable channel or frequency block" column.

The "Channel Distribution Details" window is open, showing a table of digital assignments. The table has columns: No, Adm, Geo, Adm Ref Id, NoType, Site/Allot Name, SFN Id, Ch/block, and Avail. Ch/block. A red circle highlights the row for No. 71, which is highlighted in blue. The details for this row are: Adm: UAE, Geo: UAE, Adm Ref Id: BR3\_UAE081, NoType: GT1, Site/Allot Name: UMM AL QUWAIN, SFN Id: 21-44-46-48, Ch/block: 21-25-27-29-31-33-35-37-38-41-42-48, and Avail. Ch/block: 21-25-27-29-31-33-35-37-38-41-42-48.

# 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 displays the GE06 Calc software interface with several windows open. The main window shows 'Channel Distribution Statistics' for 'UAE' with a 'Refresh' button and checkboxes for showing assignable channels or frequency blocks. Below this is a table with columns: Submitted, No available channel or frequency block, No assignable channel or frequency block, and Having an assignable or a frequency blk. The 'Total' row shows 86, 0, 80, and 6 respectively.

The 'Channel Distribution Details' window shows a table with columns: No, Adm, Geo, Adm Ref Id, Not.Type, Site/Allot Name, SFN Id, Ch/block, and Avail. Ch/block. The table lists various sites and their channel assignments.

The 'Column Preferences' dialog box is open, showing 'Sort Order' and 'Displayed Columns' tabs. The 'Sort by' section has 'Ch/block' selected with 'Ascending' radio button. The 'Then by' section has 'Margin (dB)' selected with 'Descending' radio button. The 'Set as default' button is circled in red.

The 'General Analysis Results' window shows 'Administration' as 'UAE' and 'Administration Unique Identifier' as 'BR3\_UAE 081'. It also shows 'Site/Allotment Name' as 'UMM ALQUWAIN' and 'Geographical area' as 'UAE'. The 'Notice Type' is 'GT1'. The 'Acceptable Channel/Frequency Block' is '21-44,46-48'. The 'Available Channel/Frequency Block' is '21,25,27,29,31,33,35,37,38,41,42,48'. The 'Assigned Channel/Frequency Block' is '21,25,27,29,31,33,35,37,38,41,42,48'.

The 'Digital Interferers' window is open, showing a table with columns: 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), and Relation. The table lists 12 rows of data, including sites like 'SHARJAH DHAID', 'SHARJAH STUDIOS', 'SHARJAH JABAL BUHAY', 'JABAL DHANNA', 'JABAL DHANNA', 'AL SIDRA', and 'ABU DHABI 2'.

Red circles and numbers 1, 2, 3, and 4 are overlaid on the screenshot to indicate the steps: 1 points to the 'Digital Interferers' tag, 2 points to the 'Headings toolbar' in the 'Digital Interferers' window, 3 points to the 'Column Preferences' dialog box, and 4 points to the 'Set as default' button.



# Example: List of interferers on ch. 31

[C:\ASMG\_exercise\FullIteration\_testGE06\_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 fre

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	Adm Ref Id	NotType	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

Show multi-channel reqs.

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

Digital Interferers

No.	Adm	Geo	NotType	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref Id	Ch/block	Avail. Ch/block	Assigned ch/bl	8BV (dBW)	8BV (dBW)	Wanted chann	Interf. channel	Distance (km)	CNFS (dB(uV))	Margin (dB)	Relation
21	UAE	UAE	DT1	SHJ015	SHARJAH DHAID	SJHV27		27	27	27		37 27	27	32.2	87.6	13.89	Interfere	
22	UAE	UAE	DT1	SHJ016	SHARJAH JABAL BUHAY	SJHV27		27	27	27		37 27	27	60	86.1	12.44	Interfere	
23	UAE	UAE	DT1	SHJ019	SHARJAH STUDIOS	SJHV27		27	27	27		33 27	27	23.6	85.4	11.8	Interfere	
24	UAE	UAE	DT1	UAE 095	TAS EARTH STATION	SJHV27		27	27	27		35 27	27	83.7	80.2	7.17	Interfere	
25	UAE	UAE	DT1	UAE 094	FALAJ AL MUALLAA	SJHV27		27	27	27		34 27	27	24	76.6	4.57	Interfere	
26	UAE	UAE	DT2	ALLT03	ABU DHABI			29	29	29		45 29	29	45.7	84.6	11.02	Interfere	
27	UAE	UAE	DT1	2136	JEBEL HATTA			29	29	29		30 29	29	93.1	82.7	9.56	Interfere	
28	UAE	UAE	DT1	2431	FUJAIKRAH-2	ECV03		31	31	31		33 31	31	71.9	69.4	1.31	Interfere	
29	UAE	UAE	DT1	SHJ003	SHARJAH DHAID	BUHYS25		35	35	35		37 35	35	32.2	95.4	21.54	Interfere	
30	UAE	UAE	DT1	SHJ002	SHARJAH JABAL BUHAY	BUHYS25		35	35	35		37 35	35	11.6	82.9	19.03	Interfere	
31	UAE	UAE	DT1	SHJ004	SHARJAH STUDIOS	BUHYS25		35	35	35		37 35	35	23.6	89.3	15.51	Interfere	

EN 13:42 05/05/2014

# Example (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

Submitted: 20, No available channel or frequency block: 0, No assignable channel or frequency block: 14, Having an assignable channel or a frequency block: 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
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		22,25,27-28,30-31,33,35-36,38,40-4	22,25,27-28,30-31,33,35-36,38,40-4
11	UAE	UAE	BR1_SHJ021	GT1	SHARJAH KALBA		22,25,27-28,30-31,33,35-36,38,40-4	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

Geographical area: UAE

Notice Type: GT1

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

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

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

Digital Interferers

No.	Adm	Geo	NotType	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)	Relation
70	IRN	IRN	DT1	IRN_D840961B		KUH HALWA	28	28	28	30	28	28	28	71.6	59.3	3.36	Interfere
71	QAT	QAT	DT1	QAT/11M/DT1-1		AL WAKRA	30	30	30	30	30	30	30	409.8	52.8	2.33	Interfere
72	IRN	IRN	DT1	IRN_D840293C		HENGAM	30	30	30	30	30	30	30	135.3	67.7	13.16	Interfere
73	IRN	IRN	DT1	IRN_D843711D		KISH	30	30	30	25	30	30	30	198.7	64.4	10.39	Interfere
74	UAE	UAE	DT1	UAE 110	ADSFN4	ALSIDRA	31	31	31	34	31	31	31	100.9	55.5	3.48	Interfere
75	UAE	UAE	DT1	2433	ECV03	DIBBA-2	31	31	31		33	31	31	57	75.1	2.6	Interfere
76	IRN	IRN	DT1	IRN_D840960B		FORPOOR	32	32	32	30	32	32	32	142.0	60.9	14.47	Interfere
77	IRN	IRN	DT1	IRN_D843712B		KISH	32	32	32	25	32	32	32	202.9	64.6	10.28	Interfere
78	IRN	IRN	DT1	IRN_D841133C		JONAH	32	32	32	37	32	32	32	174.3	64.3	10.02	Interfere
79	IRN	IRN	DT1	IRN_D840971B		SIRI	32	32	32	36	32	32	32	142.1	61.3	5.19	Interfere
80	IRN	IRN	DT1	IRN_D840960B		KUH HALWA	32	32	32	30	32	32	32	71.4	59.9	3.32	Interfere

# Example (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

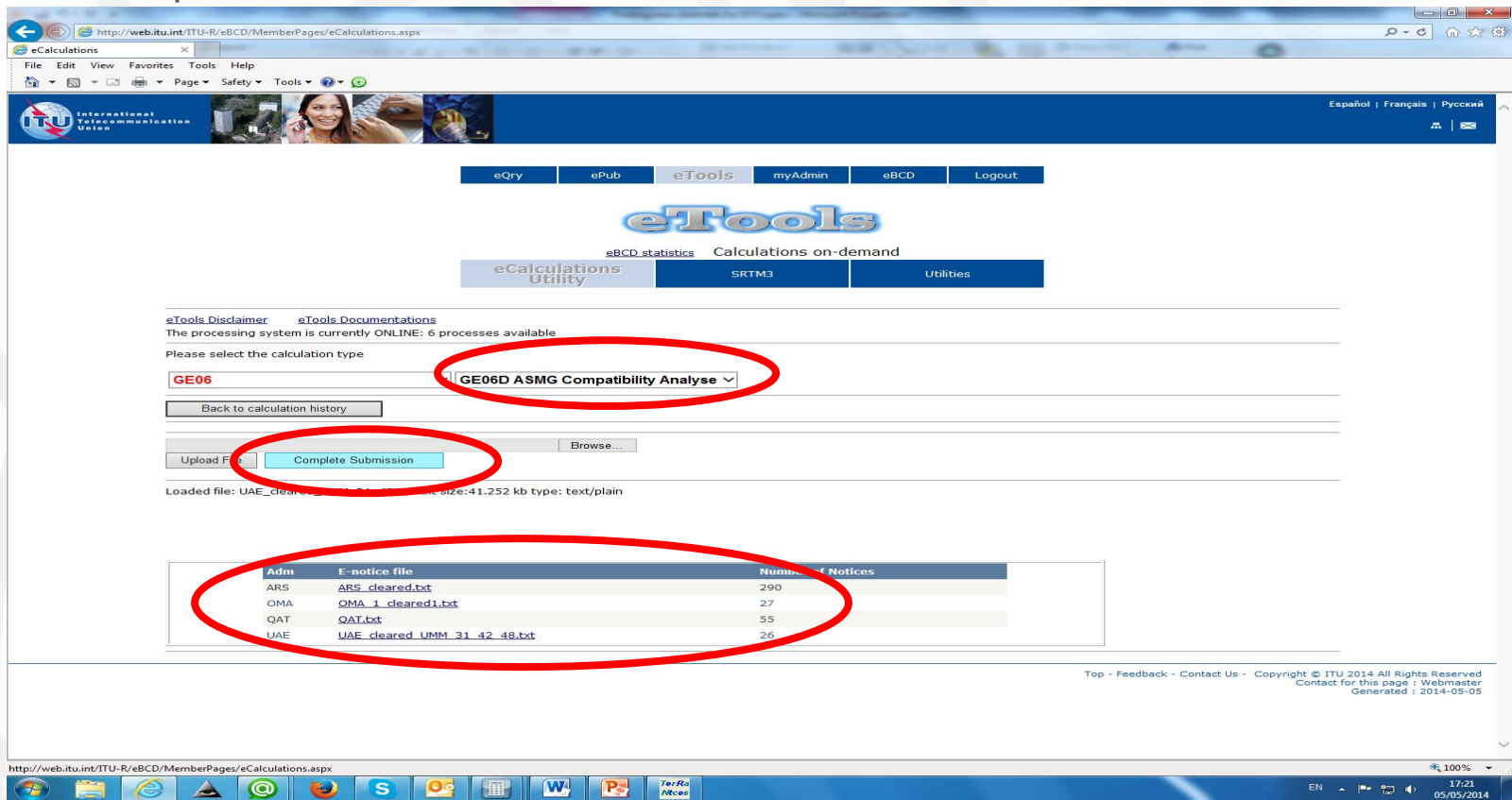
The screenshot displays the TerRaNotices 1.2 (PROD) application window. The title bar indicates the current file is [UAE\_cleared\_UMM\_31\_42\_48.txt - GT1]. The interface is divided into several sections:

- Notice browser (left):** A tree view showing notice types under 'UAE\_cleared\_UM...'. The entry 'GT1|ADD BR1\_UAE 081' is highlighted with a red circle.
- Main configuration area:**
  - ID1/ Assignment's unique identifier:** BR1\_UAE 081
  - ID3/ Unique identifier of the corresponding plan assignment:** (empty)
  - Fragment:** GE06D
  - Type of notification:** E/ Resubmission, Apply 4.1.2.5 procedure (unchecked)
  - Notification intended for:** Addition (selected)
  - Assignment characteristics:**
    - Antenna characteristics:**
      - Station information:**
        - Antenna site name:** UMM ALQUWAIN (circled in red)
        - 4B/ Geographic area:** UAE
        - 4C/ Longitude:** 55° 39' 51" E
        - Latitude:** 25° 31' 29" N
        - 9EA/ Altitude of site above sea level:** 40 m
        - 3A1/ Call sign:** (empty)
      - 1A/ Assigned frequency:** 554 MHz (circled in red)
      - 9D/ Polarization:** V
      - 8B/ Horizontal e.r.p.:** (empty) dBW
      - 7H/ Reference planning configuration:** RPC2
      - 8B/ Maximum e.r.p. at Beam tilt angle:** (empty) dBW
      - 7J/ Type of spectrum mask:** N
      - 8BV/ Vertical e.r.p.:** 34.8 dBW
      - 7K/ Receive mode:** (empty)
      - 7C1/ TV System:** (empty)
      - 9S/ Beam tilt angle:** (empty) 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/ Assign. code:** Standalone
      - SYNC/ SFN id:** (empty)
      - associated allotment ID2/ Unique identifier:** (empty)
      - SFN id:** (empty)
  - Coordination:**
    - 11C/ Signed commitment:** (unchecked)
    - 2E/ Expiry date:** (empty)
    - 11D/ Plan remark conditions met:** (unchecked)
    - Coordination successfully completed with the following administrations:**
      - Available administrations:** AFG, AFS, AGL, ALB, ALG
      - Selected administrations:** (empty)
  - 13C/ Notified remarks:** (empty)

GT1

## Example (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 interface. The page title is "eCalculations" and the URL is "http://web.itu.int/ITU-R/eBCD/MemberPages/eCalculations.aspx". The page features a navigation menu with options like "eQry", "ePub", "eTools", "myAdmin", "eBCD", and "Logout". The main content area displays the "eTools" logo and "Calculations on-demand" section. A form prompts the user to "Please select the calculation type", with "GE06" selected in a dropdown menu. Below the form, there is a "Complete Submission" button. A table below the form shows the number of notices for various countries and their respective 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

## Example (cont'd)

✓ Label your job and click Submit

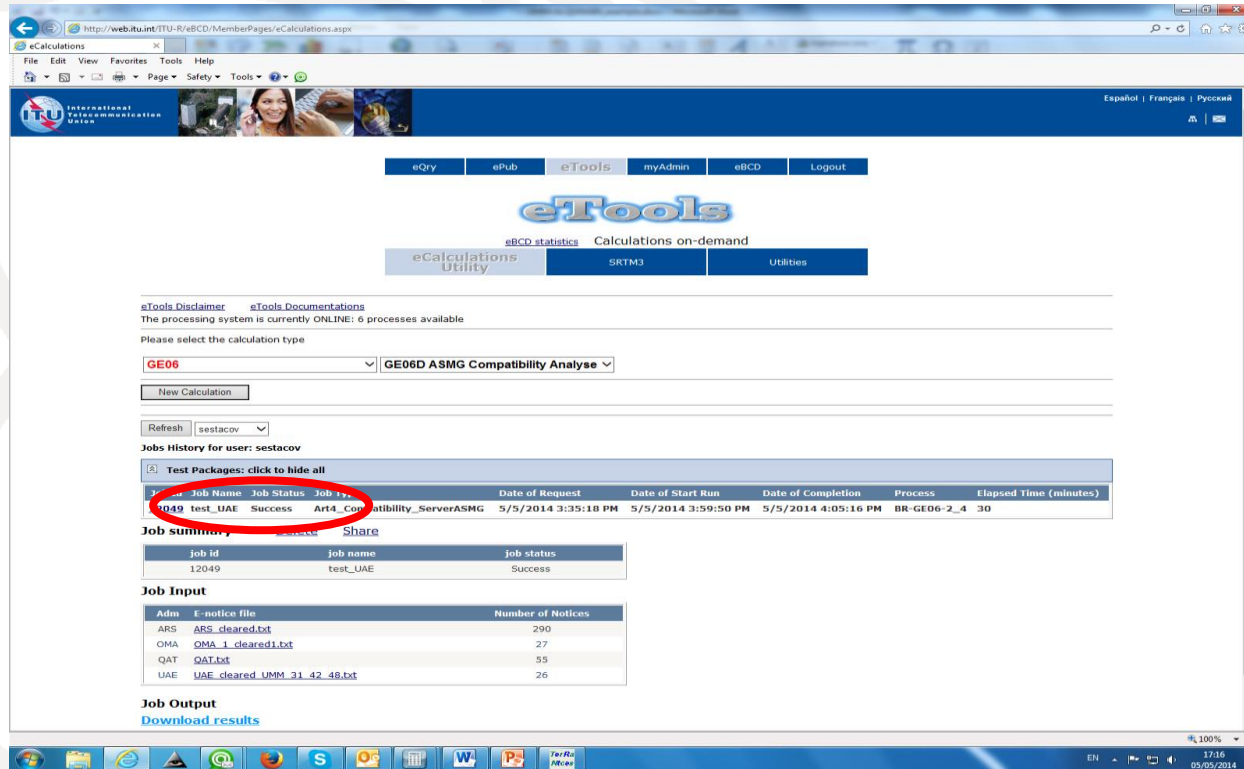
The screenshot shows the ITU eTools web interface. The browser address bar displays <http://web.itu.int/ITU-R/eBCD/MemberPages/eCalculations.aspx>. The page features a navigation menu with options: eQry, ePub, eTools, myAdmin, eBCD, and Logout. The main heading is 'eTools' with sub-sections 'eCalculations Utility' and 'Calculations on-demand'. The 'SRTM3' tab is active. Below the navigation, there are links for 'eTools Disclaimer' and 'eTools Documentations'. A status message indicates 'The processing system is currently ONLINE: 6 processes available'. A dropdown menu shows 'GE06' selected, with 'GE06D ASMG Compatibility Analyse' as the chosen calculation type. A 'Back to calculation history' button is present. The 'Please label your submission' field contains 'test UAE' and the 'Submit' button is highlighted with a red circle. Below this is 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 UMM_31_42_48.txt	26

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Contact for this page : Webmaster  
Generated : 2014-05-05

## Example (cont'd)

- ✓ Wait for results



The screenshot shows the eCalculations web application interface. The page title is "eCalculations" and the URL is "http://web.tu.int/TU-RV/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 "eBCD statistics", "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 this, there is a "Jobs History for user: sestacov" section with a table of job results. The table has columns for Job ID, Job Name, Job Status, Job Type, Date of Request, Date of Start Run, Date of Completion, Process, and Elapsed Time (minutes). The first row is highlighted with a red circle, showing Job ID 12049, Job Name test\_UAE, Job Status Success, Job Type Art4\_Comp, Date of Request 5/5/2014 3:35:18 PM, Date of Start Run 5/5/2014 3:59:50 PM, Date of Completion 5/5/2014 4:05:16 PM, Process BR-GE06-2\_4, and Elapsed Time 30. Below the table, there are sections for "Job summary", "Job Input", and "Job Output".

Job ID	Job Name	Job Status	Job Type	Date of Request	Date of Start Run	Date of Completion	Process	Elapsed Time (minutes)
12049	test_UAE	Success	Art4_Comp	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

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

# Example (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	FUJAIRAH		21-39,41-48	21-22,25,27-28,30-	
3	UAE	UAE	BR1_UAE 072	GT1	FUJAIRAH		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	BR3_UAE 081	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 Area	Not.Type	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref 1	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

# Example (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

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 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	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	BR2_UAE 087	GT1	LIWA LAHMAZI		21-48	21-25,27-48	
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

BR1\_UAE 081

Site/Allotment Name: UMM ALQUWAIN

Geographical area: UAE

Notice Type: GT1

Assigned Channel/Frequency Block: 31

Digital Interferers

No.	Adm	Geo	Not T	Act	Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref 1	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	410.3	52.3	2.57	Interfere
6	QAT	QAT	GT1		BR1_QAT/11/M/	AL WAKRA			21-26,28,30-48	21,23-25,31,35		24		31	31	410.3	52.3	2.57	Interfere
7	QAT	QAT	GT1		BR3_QAT/11/M/	AL KHOR			21-44,46-48	21,23-25,27,31		24		31	31	418	49.3	1.47	Interfere
8	QAT	QAT	GT1		BR2_QAT/11/M/	AL KHOR			21-44,46-48	21,23-25,27,31		24		31	31	418	49.3	1.47	Interfere
9	QAT	QAT	GT1		BR1_QAT/11/M/	AL KHOR			21-44,46-48	21,23-25,27,31		24		31	31	418	49.3	1.47	Interfere
10	QAT	QAT	GT1		BR3_QAT/11/M/	SUDANTHEEL			21-48	21-25,27-35,37			24	31	31	466	57	5.31	Interfere
11	QAT	QAT	GT1		BR4_QAT/11/M/	SUDANTHEEL			21-48	21-25,27-35,37			24	31	31	466	57	5.31	Interfere
12	QAT	QAT	GT1		BR1_QAT/11/M/	SUDANTHEEL			21-48	21-25,27-35,37			24	31	31	466	57	5.31	Interfere
13	QAT	QAT	GT1		BR2_QAT/11/M/	SUDANTHEEL			21-48	21-25,27-35,37			24	31	31	466	57	5.31	Interfere
14	QAT	QAT	GT1		BR3_QAT/11/M/	SUDANTHEEL			21-48	21-25,27-35,37			24	31	31	466	57	5.31	Interfere
15	UAE	UAE	DT1		BR1_89104982	MARKHIYAH			22-36,38-41,43	23-25,27,31,35				31	31	417.2	50.2	1.72	Interfere
16	UAE	UAE	DT1		UAE 110	ALSIDRA	ADSFN4		31	31	31	34		31	31	100.9	55.7	3.59	Interfere
16	UAE	UAE	DT1		2433	DIBBA-2	ECV03		31	31	31			31	31	57	75.2	2.64	Interfere



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**Thank you for your attention!**

**Questions?**

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