
Finding new channels – compatibility analysis



Committed to connecting the world



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

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" dropdown menu. Another red circle highlights the number "24" in the "No assignable channel or frequency block" column. A third red circle highlights the number "6" in the "Having an assignable channel or a frequency block" column. Below the main window, a smaller window titled "Channel Distribution Details - Digital assignments with no assignable channel or frequency block" is open, showing a table of assignments. A red circle highlights the row for "71 UAE UAE BR3_UAE 081 GT1 UMM AL QUWAIN" with a blue number "6" in the "Submitted" column.

Channel Distribution Statistics

Submitted	No assignable channel or frequency block	Having an assignable channel or a frequency block
80	0	6
Allocments	6	0
Total	86	6

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

No.	Adm	Geo	Adm Ref Id	NoType	Site/Allot Name	SFN Id	Ch/block	Avail. Ch/block
48	UAE	UAE	BR1_UAE 044	GT1	GURIEN ALEISH	BR1_JDV003	21-44.46-47	21.25,27,29,31,35,37-38,41
49	UAE	UAE	BR1_APR0009	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_APR0012	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-S	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	BR1_SHJVE60	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	BR1_SHJVE60	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_SHJVE1	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 KHORFAKHA	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_APR0003	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	UAG2	BR1_RAKV00	22-23,25-26,28-36,38-48	25,31,35,38,41,45
68	UAE	UAE	BR1_2164	GT1	UAG2	BR1_NEV-S	22-23,25-26,28-36,38-48	25,31,35,38,41,45
69	UAE	UAE	BR1_2164	GT1	UAG2	BR1_NEV-8	22-23,25-26,28-36,38-48	25,31,35,38,41,45
70	UAE	UAE	BR1_APR0010	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 AL QUWAIN		21-44,46-48	21,25,27,29,31,33,35,37-38,41-42,48
72	UAE	UAE	BR2_UAE 081	GT1	UMM AL QUWAIN		21-44,46-48	21,25,27,29,31,33,35,37-38,41-42,48
73	UAE	UAE	BR1_UAE 051	GT1	ZIRKU	BR1_DASV00	21-34,36-48	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 displays the GE06 Calc software interface. The main window shows 'Channel Distribution Statistics' for 'UAE' with a 'Refresh' button and several checkboxes. 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 'Submitted' column has a value of 80, and the 'Having an assignable or a frequency blk' column has a value of 6.

A 'Column Preferences' dialog box is open, showing 'Sort Order' and 'Displayed Columns' tabs. 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 'Descending'. 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.

A map of the UAE is shown, with a red circle around the 'Digital Interferers' tag. The map shows the coastline and several sites marked with icons.

A table titled 'Channel Distribution Details - Digital assignments with no assignable channel or frequency block' is visible. It has columns: No, Adm, Geo, Adm Ref Id, Not Type, Site/Allot Name, SFN Id, Ch/block, Avail. Ch/block. The table contains 12 rows of data.

A table titled 'Digital Interferers' is visible. It has columns: No, Adm, Geo, Not, Adm Ref Id, Site/Allot Name, SFN Id, Allot Adm Ref, 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 contains 12 rows of data.

Example 1: List of interferers on ch. 31

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

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	

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

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	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)	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	409.8	52.8	2.33	Interfere	
72	IRN	IRN	DT1	IRN_D840293C	HENGAM			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	198.7	64.4	10.39	Interfere	
74	UAE	UAE	DT1	UAE 110	ALSIDRA	ADSFN4		31	31	31	34	31	31	100.9	55.5	3.48	Interfere	
75	UAE	UAE	DT1	2433	DIBBA-2	ECV03		31	31	31		33	31	57	75.1	2.6	Interfere	
76	IRN	IRN	DT1	IRN_D840961B	KUH HALWA			32	32	32	30	32	32	142.0	60.9	14.47	Interfere	
77	IRN	IRN	DT1	IRN_D843712B	KISH			32	32	32	25	32	32	202.9	64.6	10.28	Interfere	
78	IRN	IRN	DT1	IRN_D841133C	JONAH			32	32	32	37	32	32	174.3	64.3	10.02	Interfere	
79	IRN	IRN	DT1	IRN_D840971B	SIRI			32	32	32	36	32	32	142.1	61.3	5.19	Interfere	
80	IRN	IRN	DT1	IRN_D840960B	KUH HALWA			32	32	32	30	32	32	71.4	59.9	3.32	Interfere	

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

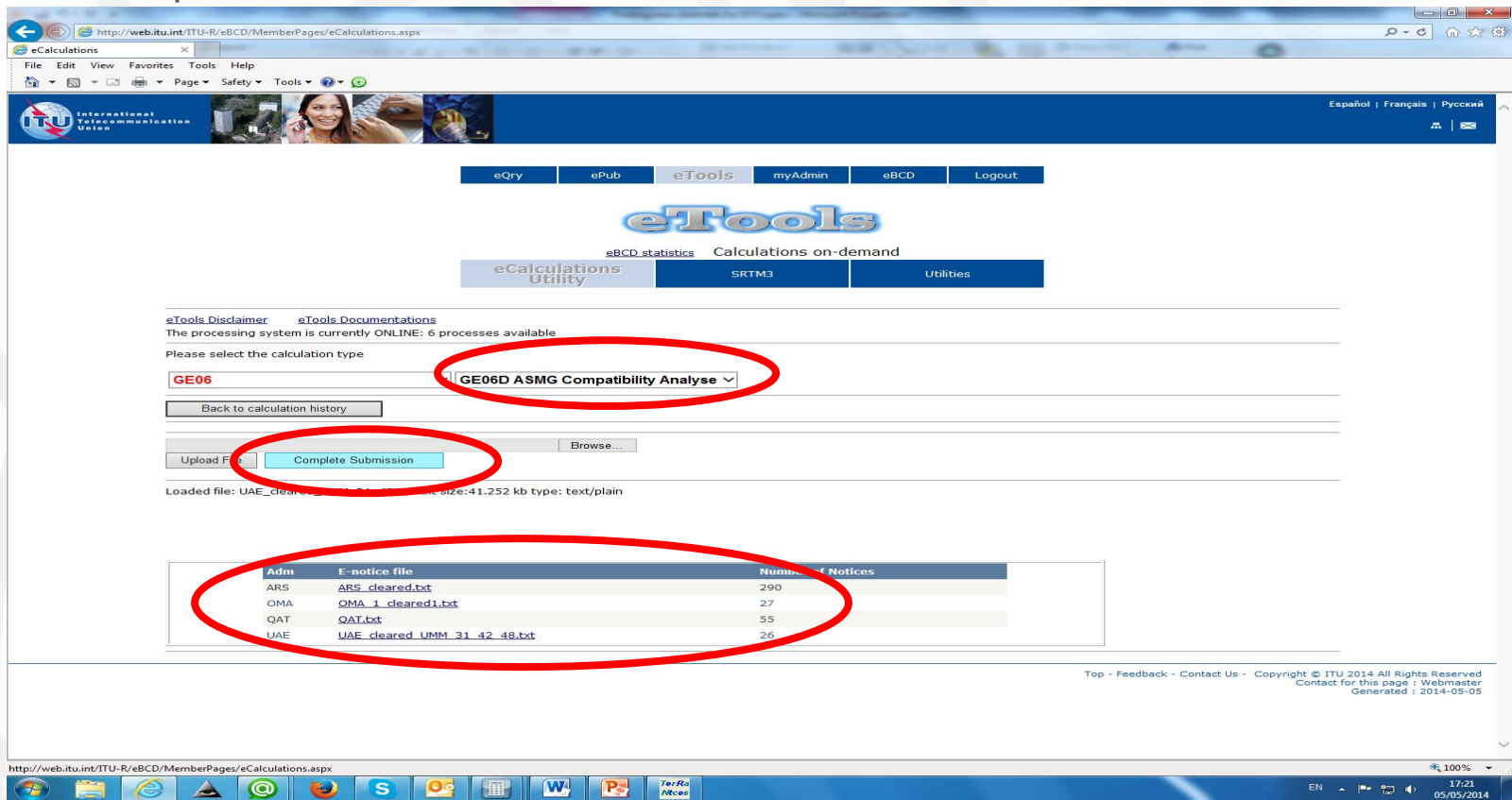
The screenshot displays the TerRaNotices 1.2 (PROD) application window. The title bar indicates the current file is [UAE_cleared_UMM_31_42_48.txt - GT1]. The interface is divided into several sections:

- Notice browser:** A tree view on the left showing a list of notices under the 'UAE_cleared_UM...' folder. The notice 'GT1|ADD BR1_UAE 081' is selected and circled in red.
- 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:** Addition (selected)
 - Notification intended for:** Addition (selected)
 - Assignment characteristics:** Antenna characteristics tab is active.
 - 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)
 - Frequency and spectrum parameters:**
 - 1A/ Assigned frequency:** 554 MHz (circled in red)
 - 9D/ Polarization:** V
 - 8B/ Horizontal e.r.p.:** (Empty) dBW
 - 7H/ Reference planning configuration:** RPC2
 - 8B/ Vertical e.r.p.:** 34.8 dBW
 - 7K/ Receive mode:** (Empty)
 - 7C1/ TV System:** (Empty)
 - 8B/ Maximum e.r.p. at Beam tilt angle:** (Empty) dBW
 - 95/ 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/ Assgn. code:** Standalone
 - SYNC/ SFN id:** (Empty)
 - associated allotment ID2/ Unique identifier:** (Empty)
 - SFN id:** (Empty)
 - Coordination:**
 - 11C/ Signed commitment:** (Checked)
 - 2E/ Expiry date:** (Empty)
 - 11D/ Plan remark conditions met:** (Checked)
 - Coordination successfully completed with the following administrations:** Available administrations: AFG, AFS, AGL, ALB, ALG. Selected administrations: (Empty)
 - 13C/ Notified remarks:** (Empty)

GT1

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 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 for selecting a calculation type is visible, with "GE06" selected in the dropdown menu. The "Complete Submission" button is highlighted. Below the form, a table shows the number of notices for various countries and their respective notice 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 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 buttons for eQry, ePub, eTools, myAdmin, eBCD, and Logout. The eTools logo is prominently displayed, with sub-links for eBCD_statistics and Calculations on-demand. Below the logo, there are buttons for eCalculations Utility, SRTM3, and Utilities. The SRTM3 button is highlighted. The page also includes a disclaimer and a status message: "The processing system is currently ONLINE: 6 processes available". A dropdown menu for "Please select the calculation type" is set to "GE06" and "GE06D ASMG Compatibility Analyse". A "Back to calculation history" button is present. The "Please label your submission" field contains the text "test UAE" and is circled in red. The "Submit" button is also circled in red. Below the form is a table with columns for 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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Generated : 2014-05-05

Example 1 (cont'd)

- ✓ Wait for results

The screenshot shows the eCalculations web application interface. The page title is "eCalculations" and the URL is "http://web.ttu.edu/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 present, along with a status message: "The processing system is currently ONLINE: 6 processes available". A dropdown menu shows "GE06" selected, and another dropdown shows "GE06D ASMG Compatibility Analyse". A "New Calculation" button is visible. Below this, there is a "Jobs History for user: sestacov" section. A table lists job details, with the first row circled in red:

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_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_cleared.txt	27
QAT	QAT.txt	55
UAE	UAE_cleared_UMM_31_42_48.txt	26

The "Job Output" section includes a "Download results" link. The Windows taskbar at the bottom shows the system tray with the date "05/05/2014" and time "17:36".

- ✓ 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

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

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 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

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			33	31	57	75.2	2.64	Interfere

Example 1 (cont'd)

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

The screenshot displays the GE06 Calc software interface. The 'Channel Distribution Statistics' window is open, showing the 'Administration' dropdown set to 'UAE' and a 'Refresh' button. Two checkboxes are checked: 'Show assignable channels or freq. blocks if the maximum acceptable margin (dB) is: 4' and 'Show assignable channels or freq. blocks if ignoring incompatibilities between requirements where one or both has/have a range of available frequencies'. Below these, there are two unchecked checkboxes: 'Ignore self incompatibilities' and 'Do not consider interference to the wanted requirement'. A red circle highlights the second checked checkbox. A red message states: 'The agreements submitted in the <COORD> section are always taken into account!'. Below this is a table with 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 - Digital assignments with an assignable channel or frequency block' window is also open, showing a table with columns: No, Adm, Geo Area, Adm Ref Id, Not.Type, Site/Allot Name, SFN Id, Ch/block, Avail. Ch/block, and Assignable Ch/block. A red oval highlights rows 34 through 37 of the table:

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	ZIRKLI	BR1_DASV00	21-34,36-48	21,25,27,29,31	25,25,41

Example 2 (step 1)

NABISALEH (ch 69, 43 dBW, Heff max = 814 m, Pol. H, Directional antenna): List of interferers

The screenshot displays the GE06 Calc software interface. The main window shows a map of the NABISALEH region with various digital interferers marked. The software interface includes a menu bar (File, Edit, View, Tools, Preferences, Window, Help), a toolbar, and a detailed table of digital interferers at the bottom.

No	Adm	Geo	Not	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref	Ch/block	Avail. Ch/block	Assig	8BH (dBW)	8BV (dBW)	Wanted chann	Interf. channel	Distance (km)	CNFS (dB(uV))	Margin (dB)	Relation
21	LBN	LBN	GT1	YAHCHOUC CH43	YAHCHOUC GF			43	43	43	20	43	43	43	85.1	51.7	1.93	Interference
22	LBN	LBN	GT1	BAALBEK CH43	BAALBEK GF TL			43	43	43	20	43	43	43	60.4	49.9	1.61	Interference
22	LBN	LBN	DT1	ML-23-1	KFARNIS			43	43	43	36.99	43	43	43	189.9	49.7	1.55	Interference
22	LBN	LBN	DT1	S-45-1	KFARKILA			43	43	43	36.99	43	43	43	244.7	49.3	1.44	Interference
22	LBN	LBN	DT1	ML-26-2	ARIDA			43	43	43	30	43	43	43	65.8	48.8	1.3	Interference
22	TUR	TUR	DT2	TUR_REGION_75_46	REG_75	REG75-46		45	45	45	45	45	45	45	210.6	82.6	27.96	Interference
22	SYR	SYR	DT1	SYRKHANSHEKHON45	KHANSHEKHON			45	45	45	25	45	45	45	12.5	79.7	26.31	Interference
22	ISR	ISR	DT2	HADERA287	HADERA287	HADERA287		45	45	45	45	45	45	45	253.9	62	8.51	Interference
22	SYR	SYR	DT1	SYRRASALBASEET63	RASALBASEET			45	45	45	24	45	45	45	58.3	50.9	1.93	Interference
22	SYR	SYR	DT1	SYRALDALEAH46	ALDALEAH			46	46	46	24	46	46	46				Tx inside
22	TUR	TUR	DT2	TUR_REGION_76_36	REG_76	REG76-36		46	46	46	46	46	46	46	162.3	86.7	32.04	Interference
23	ISR	ISR	DT2	TEFEN	TEFEN	25310		46	46	46	46	46	46	46	211.5	65.2	11.34	Interference
23	ISR	ISR	DT2	TEL AVIV291	TEL AVIV291	TEL AVIV291		46	46	46	46	46	46	46	289.8	60	6.86	Interference
23	TUR	TUR	DT2	TUR_REGION_67_46	REG_67	REG67-46		46	46	46	46	46	46	46	516	54.7	3.27	Interference
23	SYR	SYR	DT1	SYRALQUSAIR46	ALQUSAIR			46	46	46	24	46	46	46	8.9	51.6	2.21	Interference
23	SYR	SYR	DT1	SYRRASALBASEET65	RASALBASEET			46	46	46	24	46	46	46	58.3	50.8	1.92	Interference
23	TUR	TUR	DT2	TUR_REGION_73_47	REG_73	REG73-47		47	47	47	47	47	47	47	270.2	71.7	17.13	Interference
23	TUR	TUR	DT1	TRT-HATAY-ISKDRUN_4	HATAY-ISKENDERUN			47	47	47	30	47	47	47	123.4	63.3	10.3	Interference
23	TUR	TUR	DT2	TUR_REGION_64_47	REG_64	REG64-47		47	47	47	47	47	47	47	275.3	52.2	2.45	Interference
23	TUR	TUR	DT2	TUR_REGION_71_47	REG_71	REG71-47		47	47	47	47	47	47	47	604.8	52.2	1.96	Interference
23	PSE	XWB	DT2	PAL3QAL01T09D	WB1JTON			47	47	47	47	47	47	47	307.2	48.7	1.26	Interference
24	SYR	SYR	DT1	SYRBOUAR5	BOUARDEH			48	48	48	40	48	48	48				Tx inside
24	SYR	SYR	DT1	SYRKASB4	KASAB			48	48	48	29.72	48	48	48	51.3	67.8	14.62	Interference
24	SYR	SYR	DT1	SYRALEP5	ALEPPO			48	48	48	46	48	48	48	184.9	64.2	11.19	Interference
24	SYR	SYR	DT1	SYRBLO3	BLODAN			48	48	48	35	48	48	48	81.8	60.3	7.69	Interference

Example 2 (step 1)

NABISALEH (ch 69, 43 dBW, Heff max = 814 m, Pol. H, Directional antenna): List of affected

The screenshot shows a software application window titled "[C:\ASMG_exercise\iteration1\Results_iteration1_out.mdb] GE06 Calc - [General Analysis Results]". The interface is divided into several sections:

- Administration:** Shows site details for NABISALEH, including the unique identifier BR1_SYRNABIS2 and the notice type GT1.
- Details:** Includes tabs for Colours, Frequencies, and Symbols. It lists geographical area (SYR), notice type (GT1), and channel/frequency blocks (22.24-43, 45-48).
- Map:** A map of the region showing various sites marked with blue 'X' symbols and their respective coverage areas.
- Digital Interferers / Digital Affected Table:** A table listing various digital interferers and affected sites. The table has columns for No., Adm, Geo, Not.T, 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.

No.	Adm	Geo	Not.T	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
24	LBN	LBN	DT1	ML-23-3	BEIT MERI			43	43	43	28	43	43	43	138.2	52.2	1.53	Interference
24	SYR	SYR	DT1	SYRKHANSHEK	KHANSHEKHON			45	45	45	25	45	45	45	73.7	90.3	34.12	Interference
24	SYR	SYR	DT1	SYRABOADD	ABOADDHOOUR			45	45	45	25	45	45	45	123.1	79.2	23.04	Interference
24	SYR	SYR	DT1	SYRRASALBAS	RASALBASEET			45	45	45	24	45	45	45	114.6	76.9	20.77	Interference
24	SYR	SYR	DT1	SYRALKARETAI	ALKARETAIN			45	45	45	25	45	45	45	123.9	76.3	20.17	Interference
25	SYR	SYR	DT1	SYRHOSHARAB	HOSHARAB			45	45	45	24	45	45	45	143.3	71.3	15.22	Interference
25	SYR	SYR	DT1	SYRQAFERTAK	QAFERTAKHARIM			45	45	45	24	45	45	45	139.1	67.7	11.78	Interference
25	SYR	SYR	DT1	SYRARRAEH45	ARRAEI			45	45	45	24	45	45	45	217.7	60.5	5.65	Interference
25	SYR	SYR	DT1	SYRTANEF145	TANEF1			45	45	45	25	45	45	45	275.3	55.2	2.55	Interference
25	SYR	SYR	DT1	SYRALDALEAH	ALDALEAH			46	46	46	24	46	46	46				Overlap
25	SYR	SYR	DT1	SYRALQUSAIR4	ALQUSAIR			46	46	46	24	46	46	46	56.3	97.7	41.43	Interference
25	SYR	SYR	DT1	SYRJRASHG	JESRASHGHOOUR			46	46	46	25	46	46	46	100.4	77.6	21.37	Interference
25	SYR	SYR	DT1	SYRRASALBAS	RASALBASEET			46	46	46	24	46	46	46	114.6	76.9	20.67	Interference
25	SYR	SYR	DT1	SYRABOASHA	ABOASHAMAT			46	46	46	25	46	46	46	158.3	70.3	14.17	Interference
25	SYR	SYR	DT1	SYRQAFERTAK	QAFERTAKHARIM			46	46	46	24	46	46	46	139	67.7	11.69	Interference
26	SYR	SYR	DT1	SYRSABEABEA	SABEABEAR			46	46	46	25	46	46	46	190.6	65.3	9.51	Interference
26	SYR	SYR	DT1	SYRMANBEG46	MANBEG			46	46	46	24	46	46	46	236.8	60.5	5.57	Interference
26	SYR	SYR	DT1	SYRALKARETAI	ALKARETAIN			47	47	47	25	47	47	47	123.9	76.3	19.97	Interference
26	TUR	TUR	DT1	TRT-HATAY-ISK	HATAY-ISKENDERUN			47	47	47	30	47	47	47	108.8	61.7	6.41	Interference
26	SYR	SYR	DT1	SYRBOUAR5	BOUARDEH			48	48	48	40	48	48	48				Tx inside
26	SYR	SYR	DT1	SYRKASB4	KASAB			48	48	48	29.72	48	48	48	106.7	78.9	22.38	Interference
26	SYR	SYR	DT1	SYRALEP5	ALEPPO			48	48	48	46	48	48	48	169.9	66.6	10.49	Interference
26	SYR	SYR	DT1	SYRBLO3	BLODAN			48	48	48	35	48	48	48	144.1	60.8	5.67	Interference
26	SYR	SYR	DT1	SYRSOKH5	SOKHNEH			48	48	48	41.47	48	48	48	276.3	55.6	2.57	Interference
26	SYR	SYR	DT1	SYRKARAM9	AL KARAMAH			48	48	48	37.53	48	48	48	301	53	1.6	Interference

Example 2 (step 2)

NABISALEH (ch 47, 33 dBW, Heff max = 814 m, Pol. H, Directional antenna): List of interferers

The screenshot shows a software window titled "[C:\ASMG_exercise\SYR test\notices_full_list_test\testGE06_out.mdb] GE06 Calc - [General Analysis Results]". The interface includes a menu bar (File, Edit, View, Tools, Preferences, Window, Help), a left sidebar with various settings, and a main map area. The map shows a geographical area with a blue shaded region and several pink and purple outlined areas. At the bottom, there is a table titled "Digital Interferers" with columns for various parameters including Adm, Geo, Not.T, 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.

	No	Adm	Geo	Not.T	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	JOR	JOR	GT2	TRCD1_JORT0710	IRBID	BR1_JORT071		21-26,28-34,36	21-22,24-25,30,				47	47	286.6	52.9	1.59	Interference
▶	2	TUR	TUR	DT1	TRT-HATAY-ISKDRUN_4	HATAY-ISKENDERUN			47	47	47	30		47	47	181.2	65.9	9.96	Interference
	3	TUR	TUR	DT2	TUR_REGION_73_47	REG_73	REG73-47		47	47	47			47	47	284.4	61.6	6.32	Interference
	4	TUR	TUR	DT2	TUR_REGION_64_47	REG_64	REG64-47		47	47	47			47	47	348.2	53	1.64	Interference

Example 2 (step 2)

NABISALEH (ch 47, 33 dBW, Heff max = 814 m, Pol. H, Directional antenna): List of affected

The screenshot shows the GE06 Calc software interface. The main window displays a map of the Middle East region, with a large blue shaded area covering the Mediterranean coast and inland areas. Three small blue icons with 'X' marks are visible on the map, indicating affected sites. The left sidebar contains various configuration options for the site NABISALEH, including administration details, geographical area (SYR), and channel/frequency block information (47). The bottom of the window features a table titled 'Digital Interferers' with the following data:

No	Adm	Geo	Not	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref	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	SYRALKARETAL	ALKARETAIN			47	47	47	25	47	47	47	123.9	65.8	9.89	Interference
2	SYR	SYR	GT1	BR2_SYRABOA	ABOASHAMAT			47	47		25	47	47	47	158.2	59.8	5.03	Interference

Example 2 (step 3)

NABISALEH (ch 47, 33 dBW, Heff max = 814 m, Pol. V, Directional antenna): List of interferers

The screenshot shows the GE06 Calc software interface. The main window displays a map of Turkey with a large blue shaded area representing the coverage of the NABISALEH station. Two specific locations are marked with blue 'X' icons and purple outlines, indicating potential interferers. The left sidebar contains various configuration options for the station, including 'Administration', 'Details', and 'Channel/Frequency Block' settings. At the bottom, a table titled 'Digital Interferers' provides a list of interfering stations with their respective parameters.

No	Adm	Geo	Not	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref 1	Ch/block	Avail. Ch/block	Assig	8BH (dBW)	8BV (dBW)	Wanted chann	Interf channel	Distance (km)	CNFS (dB(uV))	Margin (dB)	Relation
1	TUR	TUR	DT2	TUR_REGION_73_47	REG_73	REG73-47		47	47	47	30	47	47	47	284.4	61.6	6.32	Interference
2	TUR	TUR	DT1	TRT-HATAY-ISKDRUN_4	HATAY-ISKENDERUN			47	47	47		47	47	47	145.5	58.5	4.17	Interference

Example (step 3)

NABISALEH (ch 47, 33 dBW, Heff max = 814 m, Pol. V, Directional antenna): List of affected

The screenshot shows the GE06 Calc software interface. The main window displays a map of a region with a large blue shaded area. A small blue square with an 'X' is located on the map, and another blue square with an 'X' is located to its right. The left sidebar contains various settings and details for the site NABISALEH. The bottom of the window shows a table of digital interferences.

No.	Adm	Geo	Not.T	Adm Ref Id	Site/Allot Name	SFN Id	Allot Adm Ref	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	SYRALKARETAI	ALKARETAIN			47	47	47	25		47	47	112.1	52.4	1.46	Interference

Example 2 (conclusions)

NABISALEH (Heff max = 814 m, Directional antenna)

Step	Channel	Power, dBW	Polarisation	The highest Interferer (Adm)	The most affected (Adm)
1	69	43	H	17.13 (TUR)	19.97 (SYR)
2	47	33	H	9.96 (TUR)	9.89 (SYR)
3	47	33	V	6.32 (TUR)	1.46 (SYR)

Thank you for your attention!

Questions?

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