



## TOA UHF Wireless Microphone Systems Channel / Frequency Information Guide



Television Channel Number	Television Frequency Band (MHz)	TOA Frequency Band Designation	Explanation	Equipment Channel Setting Information	Notes:	FCC Web Page Link:
41	632-638	TOA <b>F01</b> Band used by products purchased after 12/2008	These frequencies can be used before and after 2/17/2009	Equipment Channel Banks: 1,2,3,4 Channel Selection: 0,1,2,3,4,5,6,7,8,9,A,B,C,D,E,F	Please check with the FCC web site to determine if these channels/frequencies are available for use in your geographic area at the following link: (Instructions on the use of this web site are on page 2.)	
42	638-644					
43	644-650					
44	650-656					
45	656-662					
46	662-668	TOA <b>E01</b> Band used by products purchased after 12/2008	These frequencies can be used before and after 2/17/2009	Equipment Channel Banks: 1,2,3,4 Channel Selection: 0,1,2,3,4,5,6,7,8,9,A,B,C,D,E,F	Please check with the FCC web site to determine if these channels/frequencies are available for use in your geographic area at the following link: (Instructions on the use of this web site are on page 2.)	<a href="http://www.fcc.gov/mb/video/tvq.html">http://www.fcc.gov/mb/video/tvq.html</a>
47	668-674					
48	674-680					
49	680-686					
50	686-692					
51	692-698	TOA <b>A01 or A21</b> Band used by products purchased before 12/2008	These frequencies can be used before and after 2/17/2009	Equipment Channel Banks: 1,2,3,4 Channel Selection: 0,1,2,3,4,5,6	Please check with the FCC web site to determine if these channels/frequencies are available for use in your geographic area at the following link: (Instructions on the use of this web site are on page 2.)	
52	698-704					
53	704-710					
54	710-716					
55	716-722					
59	740-746	TOA <b>B21</b> Band used by products purchased before 12/2008	These frequencies may not be used after 2/17/2009	WS-200/WS-300 Equipment B21 Channels: 1,2,3,4		

Information current as of 12/6/2008

## Using the FCC TVQ Database Query

The FCC TVQ Database Query can be used as an aide to determine if there are local DTV stations in a City and State to find out what frequencies are available to use in your area.

Access the FCC TVQ Database Query page at the following link.

<http://www.fcc.gov/mb/video/tvq.html>

This page offers two ways of searching for available frequencies in your area. The first method is searching by City and State, the second method is searching by coordinates.

The search by City and State menu is shown to the right and detailed below. (Note: This search will have less hits since the search parameter is a specific city name.)

1. Select your state from the pull down menu
2. The "Call Sign" and "Application File Number" boxes can be left blank
3. Type in your city
4. In the "Search for TV Stations in a Channel Range" boxes enter the upper and lower channels listed in the TOA UHF Wireless Microphone Systems Channel / Frequency Information spreadsheet for the TOA wireless product you selected
5. Under the "Services" pull down menu, select "Digital Television (DT)" to search available frequencies in the digital television spectrum. You can also select "All services" to search for all used frequencies in your channel range
6. For "Record Types" Select All Records
7. "Facility ID Number" can be left blank
8. Next, select the type of format you want to view the results in
9. Click on "Submit Data" to generate your results.

## TVQ TV Database Query

**Search on Any Field**

You must select at least one data entry field below

Please refer any comments or suggestions on the TV Query to Hossein Hashemzadeh, [hossein.hashemzadeh@fcc.gov](mailto:hossein.hashemzadeh@fcc.gov).

**State:**

**Call Sign:**

Partial call signs are acceptable, such as KA, KAX, WAM.  
Do not include the -TV or -LP suffix.

**Application File Number:**

Enter only the application file number suffix:  
for BMPCT-20010314AAC, enter 20010314AAC.  
Old-style file numbers must be modified:  
BPET-970314AC is entered 19970314AC.  
Partial file numbers are acceptable: 199907, 20010301A  
Only TV records with current engineering data will be retrieved.  
Other applications, use [CDBS](#).

**City:**

Partial city names are acceptable, such as NEW, AN, BOS.

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**Search for TV Stations in a Channel Range:**

**Lower Channel:**  **Upper Channel:**

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**Service:**

**Record Types:**

**Facility ID Number:**

Facility ID number must be exact.

**Output -- Select TV Query or TV List**  
TV Query provides detailed information about individual stations.  
TV Lists provide faster response for larger inquiries.

[Key for Text file output options](#)

The second method of searching for available frequencies in your area allows you to search for stations within a radius by a center coordinate. The search by coordinate's menu is shown to the right and detailed below. (Note: This search will provide more hits and provide better details for any given area.)

Select your state from the pull down menu

1. In the "Search for TV Stations in a Channel Range" boxes enter the upper and lower channels listed in the TOA UHF Wireless Microphone Systems Channel / Frequency Information spreadsheet for the TOA wireless product you selected
2. Under the "Services" pull down menu, select "Digital Television (DT)" to search available frequencies in the digital television spectrum. You can also select "All services" to search for all used frequencies in your channel range
3. For "Record Types" Select All Records
4. "Facility ID Number" can be left blank
5. Next, select the type of format you want to view the results in
6. Disregard the "Submit Data" and "Clear Data" buttons
7. If you do not know the coordinates for your search, click on "**Reference Coordinates for Communities**" link. You will be able to enter a city and State and generate your coordinates.
8. In the Radius box, enter the radius in kilometers based on your coordinate's you want to search
9. Under "Center Coordinates" enter your values for longitude and latitude
10. In the "Change output text size" box, you have the option of setting the font size for your results (5-30 pt.)
11. Click on "Submit Data" to generate your results.

### Search for TV Stations in a Channel Range:

**Lower Channel:**

**Upper Channel:**

**Service:**

**Record Types:**

**Facility ID Number:**   
Facility ID number must be exact.

**Output -- Select TV Query or TV List**  
TV Query provides detailed information about individual stations.  
 TV Lists provide faster response for larger inquiries.

TV Short List (easiest printed, fastest)

TV List (intermediate detail, fast)

TV Query (detailed output + CDBS links)

Text file (no delimiters / no links)

Text file (pipe delimited / no links)

[Key for Text file output options](#)

### Stations Within a Radius

Must enter Radius and Degrees Latitude and Longitude, at a minimum.  
 Radius Search may be combined with other fields above.  
 Maximum search radius = 475 km

[Reference Coordinates for Communities](#)

**Radius (in km):**

**Center Coordinates:**

**Latitude (D M S):**

**Longitude (D M S):**

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Change output text size (5 to 30 point):

## Results

This sample results page shows channels that are taken up by Digital Television service between channels 2 to 69 for San Francisco, CA.

### Search Parameters

City:	SAN FRANCISCO
State:	CA
Service:	DT
Record type:	
Lower Channel	2
Upper Channel	69

Call	Channel	Freq	Offset	Service	Status	City	State	Country	File Number	Docket	FacilityID	ERP	HAAT	Licensee/Permittee
KGO-TV	7	0	DT	CP		SAN FRANCISCO	CA	US	BPCDT-20080606AAE	-	34470	24. kW	514. n	KGO TELEVISION, INC.
KOFY-TV	19	0	DT	LIC		SAN FRANCISCO	CA	US	BLCDDT-20000421ABF	-	51189	383. kW	418. n	KEWB LICENSE, INC.
KOFY-TV	19	0	DT	CP		SAN FRANCISCO	CA	US	BPCDT-20080619ADG	-	51189	463. kW	488.1 n	KEWB LICENSE, INC.
KGO-TV	24	0	DT	LIC		SAN FRANCISCO	CA	US	BLCDDT-19981216KF	-	34470	561. kW	437. n	KGO TELEVISION, INC.
KTSF	27	0	DT	LIC		SAN FRANCISCO	CA	US	BLCDDT-20050131A0D	-	37511	500. kW	403.4 n	LINCOLN BROADCASTING COMPANY,
KTSF	27	0	DT	APP		SAN FRANCISCO	CA	US	BPCDT-20080620ALV	-	37511	858. kW	403.4 n	LINCOLN BROADCASTING COMPANY,
KPIX-TV	29	0	DT	LIC		SAN FRANCISCO	CA	US	BLCDDT-19990301KF	-	25452	1000. kW	401. n	CBS BROADCASTING INC.
KPIX-TV	29	0	DT	CP MOD		SAN FRANCISCO	CA	US	BMPDDT-20080603AAG	-	25452	1000. kW	511.7 n	CBS BROADCASTING INC.
KQED	30	0	DT	LIC		SAN FRANCISCO	CA	US	BLEDT-20000601ADY	-	35500	777. kW	437. n	NORTHERN CALIFORNIA
KQED	30	0	DT	CP		SAN FRANCISCO	CA	US	BPEDT-20080314ACI	-	35500	710. kW	511.7 n	NORTHERN CALIFORNIA
KHTF-TV	33	0	DT	CP		SAN FRANCISCO	CA	US	BPEDT-20000501AGF	-	43095	500. kW	496. n	MINORITY TELEVISION PROJECT
KRON-TV	38	0	DT	CP MOD		SAN FRANCISCO	CA	US	BMPDDT-20080619AFU	-	65526	1000. kW	511.7 n	YOUNG BROADCASTING OF SAN FRANCISCO, INC.
KCNS	39	0	DT	LIC		SAN FRANCISCO	CA	US	BLCDDT-20060221AES	-	71586	1000. kW	428. n	MTB SAN FRANCISCO LICENSEE LLC
KCNS	39	0	DT	APP		SAN FRANCISCO	CA	US	BPCDT-20080909ABW	-	71586	1000. kW	511.7 n	MTB SAN FRANCISCO LICENSEE LLC
KBCW	45	0	DT	LIC		SAN FRANCISCO	CA	US	BLCDDT-20020709AAQ	-	69619	400. kW	446. n	SAN FRANCISCO TELEVISION STATION KBCW INC
KBCW	45	0	DT	CP		SAN FRANCISCO	CA	US	BPCDT-20080603AAH	-	69619	1000. kW	490.5 n	SAN FRANCISCO TELEVISION STATION KBCW INC
KDTV	51	0	DT	LIC		SAN FRANCISCO	CA	US	BLCDDT-20021015ABK	-	33778	476.3 kW	701. n	KDTV LICENSE PARTNERSHIP, G.P.
KRON-TV	57	0	DT	LIC		SAN FRANCISCO	CA	US	BLCDDT-19990503KF	-	65526	1000. kW	446. n	YOUNG BROADCASTING OF SAN FRANCISCO, INC.

\*\*\* 18 Records Retrieved \*\*\*

## TOA 600 MHz UHF Wireless Microphone Systems

### Frequency Band Specifications by Channel and Bank Designation

E01 BAND SPECIFICATIONS				
Channel	Bank1	Bank2	Bank3	Bank4
0	668.750	668.850	668.950	669.050
1	669.100	669.200	669.300	669.400
2	669.550	669.650	669.750	669.850
3	671.050	671.150	671.250	671.350
4	671.600	671.700	671.800	671.900
5	672.250	672.350	672.450	672.550
6	673.200	673.300	673.400	673.500
7	675.600	675.700	675.800	675.900
8	676.950	677.050	677.150	677.250
9	678.650	678.750	678.850	678.950
A	684.200	684.300	682.100	682.200
B	685.300	685.400	686.000	686.100
C	689.150	689.250	690.200	690.300
D	690.950	691.050	694.550	694.650
E	694.200	694.300	696.400	696.500
F	697.150	697.250	697.500	697.600

F01 BAND SPECIFICATIONS				
Channel	Bank1	Bank2	Bank3	Bank4
0	636.500	636.600	636.700	636.825
1	636.850	636.950	637.050	637.175
2	637.300	637.400	637.500	637.625
3	637.850	637.950	638.050	638.175
4	638.500	638.600	638.700	638.825
5	639.400	639.500	639.600	639.725
6	640.850	640.950	641.050	641.175
7	642.600	642.700	642.800	642.925
8	644.500	644.600	644.700	644.825
9	647.150	647.250	647.350	647.475
A	648.250	648.350	648.450	648.575
B	651.000	651.100	651.200	651.325
C	654.100	654.200	654.300	654.425
D	658.300	658.400	658.500	658.625
E	660.500	660.600	660.700	660.825
F	665.350	665.450	665.550	665.675