

## **Selection of EU WMS4000 frequency combinations, which are not disturbed by local TV stations**

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### **PROCEDURE**

**Exclude or disregard (mark) frequencies which lie in the locally occupied TV channels.**

(See example).

**Combine two bands while excluding the occupied channels.**

### **CAUTION**

**Do not combine more than two bands.**

**Do not combine consecutive bands (e.g. Band 1 2, 2 3, etc.)**

**But instead use only band combinations which are separated by at least one band gap (e.g.1 3 or 2 5 etc).**

| EU TV<br>Channel | TV CH   |         | WMS400/4000          |                    | 19 freq<br>combs  |
|------------------|---------|---------|----------------------|--------------------|---|
|                  | low     | High    | Hard ware<br>version | Frequency<br>range |   |
| 43               | 646.000 | 654.000 | band                 | 1                  | 650.000<br>650.300<br>650.750<br>651.350<br>651.725<br>652.850<br>653.750 |
| 44               | 654.000 | 662.000 |                      |                    | 656.975<br>658.250<br>661.625   |
| 45               | 662.000 | 670.000 |                      |                    | 664.400<br>666.050<br>667.925<br>668.750                                  |
| 46               | 670.000 | 678.000 |                      |                    | 671.000<br>673.625<br>675.575<br>676.100<br>676.775                       |
| 47               | 678.000 | 680.000 | band                 | 2                  | 680.000   |
| 47               | 680-686 |         |                      |                    | 680.300<br>680.750<br>681.350<br>681.725<br>682.850<br>683.750<br>686.975 |
|                  | 686.000 | 694.000 |                      |                    | 688.250<br>691.625  |
| 49               | 694.000 | 702.000 |                      |                    | 694.400<br>696.050<br>697.925<br>698.750<br>701.000                       |
| 50               | 702.000 | 710.000 |                      |                    | 703.625<br>705.575<br>706.100<br>706.775                                  |
| 52               | 718.000 | 726.000 | band                 | 3                  | 720.000   |
|                  |         |         |                      |                    | 720.300<br>720.750<br>721.350<br>721.725<br>722.850<br>723.750<br>726.975 |
| 53               | 726.000 | 734.000 |                      |                    | 728.250<br>731.625<br>734.400   |
| 54               | 734.000 | 742.000 |                      |                    | 736.050<br>737.925<br>738.750<br>741.000<br>743.625                       |
| 55               | 742.000 |         |                      |                    | 745.575<br>746.100<br>746.775   |

| EU TV<br>Channel | TV CH   |         | WMS400/4000          |                    | 19 freq<br>combs  |
|------------------|---------|---------|----------------------|--------------------|---|
|                  | low     | High    | Hard ware<br>version | Frequency<br>range |   |
| 57               | 758.000 | 766.000 | band                 | 4                  | 760.000<br>760.300<br>760.750<br>761.350<br>761.725<br>762.850<br>763.750 |
| 58               | 766.000 | 774.000 |                      |                    | 766.975<br>768.250<br>771.625   |
| 59               | 774.000 | 782.000 |                      |                    | 774.400<br>776.050<br>777.925<br>778.750<br>781.000                       |
| 60               | 782.000 | 790.000 |                      |                    | 783.625<br>785.575<br>786.100<br>786.775                                  |
| 61               | 790.000 | 798.000 | band                 | 5                  | 790.000   |
|                  |         |         |                      |                    | 790.300<br>790.750<br>791.350<br>791.725<br>792.850<br>793.750<br>796.975 |
| 62               | 798.000 | 806.000 |                      |                    | 798.250<br>801.625<br>804.400   |
| 63               | 806.000 | 814.000 |                      |                    | 806.050<br>807.925<br>808.750<br>811.000<br>813.625                       |
| 64               | 814.000 | 820.000 |                      |                    | 815.575<br>816.100<br>816.775   |
| 66               | 835.000 | 838.000 | band                 | 6                  | 835.000   |
|                  |         |         |                      |                    | 835.300<br>835.750<br>836.350<br>836.725<br>837.850                       |
| 67               | 838.000 | 846.000 |                      |                    | 838.750<br>841.975<br>843.250   |
| 68               | 846.000 | 854.000 |                      |                    | 846.625<br>849.400<br>851.050<br>852.925<br>853.750                       |
| 69               | 854.000 | 862.000 |                      |                    | 856.000<br>858.625<br>860.575<br>861.100<br>861.775                       |

\*\*\* Example:

If TV channel 44 is occupied by a local TV station, the frequencies

656.975 658.250 661.625 have to be excluded.

Combining band1 with band 3 yields the new frequency set: From 650 to 706.775 Mhz plus the set from 720 to 746.775 MHZ