

VHF ve UHF kanal tahsisi - frekans bandları)

Frekans spektrumunun Kablo TV tarafından kullanılan UHF – VHF alanlarına ilişkin ve B/G PAL sistemine uyumlu kanal tahsisini bulabilirsiniz.

Kanal...Kanal sınırları....Kanal Merkezi....Görüntü taşıyıcı....Ses taşıyıcı.
.....MHz.....MHz.....MHz.....MHz... ..

VHF I.Band

C02.....047 - 054.....051.....048,25.....053,75....

C03.....054 - 061.....058.....055,25.....060,75....

C04.....061 - 068.....065.....062,25.....067,75....

VHF S-1 Alt Band

S02.....111 - 118.....115.....112,25.....117,75....

S03.....118 - 125.....126.....119,25.....124,75....

S04.....125 - 132.....129.....126,25.....131,75....

S05.....132 - 139.....136.....133,25.....138,75....

S06.....139 - 146.....143.....140,25.....145,75....

S07.....146 - 153.....150.....147,25.....152,75....

S08.....153 - 160.....157.....154,25.....159,75....

S09.....160 - 167.....164.....161,25.....166,75....

S10.....167 - 174.....171.....168,25.....173,75....

VHF III.Band

C05.....174 - 181.....178.....175,25.....180,75....

C06.....181 - 188.....185.....182,25.....187,75....

C07.....188 - 195.....192.....189,25.....194,75....

C08.....195 - 202.....199.....196,25.....201,75....

C09.....202 - 209.....206.....203,25.....208,75....

C10.....209 - 216.....213.....210,25.....215,75....

C11.....216 - 223.....220.....217,25.....222,75....

C12.....223 - 230.....227.....224,25.....229,75....

VHF S-1 Üst Band

S11.....230 - 237.....234.....231,25.....236,75....

S12.....237 - 244.....241.....238,25.....243,75....

S13.....244 - 251.....248.....245,25.....250,75....

S14.....251 - 258.....255.....252,25.....257,75....

S15.....258 - 265.....262.....259,25.....264,75....

S16.....265 - 272.....269.....266,25.....271,75....

S17.....272 - 279.....276.....273,25.....278,75....

S18.....279 - 286.....283.....280,25.....285,75....

S19.....286 - 293.....290.....287,25.....292,75....

S20.....293 - 300.....297.....294,25.....299,75....

UHF S-II Hyper Band

S21.....302 - 310.....306.....303,25.....308,75....

S22.....310 - 318.....314.....311,25.....316,75....

S23.....318 - 326.....322.....319,25.....324,75....

S24.....326 - 334.....330..... 327,25..... 332,75....
 S25.....334 - 342.....338..... 335,25..... 340,75....
 S26.....342 - 350.....346..... 343,25..... 348,75....
 S27.....350 - 358.....354..... 351,25..... 356,75....
 S28.....358 - 366.....362..... 359,25..... 364,75....
 S29.....366 - 374.....370..... 367,25..... 372,75....
 S30.....374 - 382.....378..... 375,25..... 380,75....
 S31.....382 - 390.....386..... 383,25..... 388,75....
 S32.....390 - 398.....394..... 391,25..... 396,75....
 S33.....398 - 406.....402..... 399,25..... 404,75....
 S34.....406 - 414.....410..... 407,25..... 412,75....
 S35.....414 - 422.....418..... 415,25..... 420,75....
 S36.....422 - 430.....426..... 423,25..... 428,75....
 S37.....430 - 438.....434..... 431,25..... 436,75....
 S38.....438 - 446.....442..... 439,25..... 444,75....
 S39.....446 - 454.....450..... 447,25..... 452,75....
 S40.....454 - 462.....452..... 455,25..... 460,75....
 S41.....462 - 470.....466..... 463,25..... 468,75....

UHF IV.Band

C21.....470 - 478.....474..... 471,25..... 476,75....
 C22.....478 - 486.....482..... 479,25..... 484,75....
 C23.....486 - 494.....490..... 487,25..... 492,75....
 C24.....494 - 502.....498..... 495,25..... 500,75....
 C25.....502 - 510.....506..... 503,25..... 508,75....
 C26.....510 - 518.....514..... 511,25..... 516,75....
 C27.....518 - 526.....522..... 519,25..... 524,75....
 C28.....526 - 534.....530..... 527,25..... 532,75....
 C29.....534 - 542.....538..... 535,25..... 540,75....
 C30.....542 - 550.....546..... 543,25..... 548,75....
 C31.....550 - 558.....554..... 551,25..... 556,75....
 C32.....558 - 566.....562..... 559,25..... 564,75....
 C33.....566 - 574.....570..... 567,25..... 572,75....
 C34.....574 - 582.....578..... 575,25..... 580,75....
 C35.....582 - 590.....586..... 583,25..... 588,75....
 C36.....590 - 598.....594..... 591,25..... 596,75....
 C37.....598 - 606.....602..... 599,25..... 604,75....

UHF V.Band

C38.....606 - 614.....610..... 607,25..... 612,75....
 C39.....614 - 622.....618..... 615,25..... 620,75....
 C40.....622 - 630.....626..... 623,25..... 628,75....
 C41.....630 - 638.....634..... 631,25..... 636,75....
 C42.....638 - 646.....642..... 639,25..... 644,75....
 C43.....646 - 654.....650..... 647,25..... 652,75....
 C44.....654 - 662.....658..... 655,25..... 660,75....
 C45.....662 - 670.....666..... 663,25..... 668,75....

C46.....	670 - 678.....	674.....	.....	671,25.....	.....	676,75....
C47.....	678 - 686.....	682.....	.....	679,25.....	.....	684,75....
C48.....	686 - 694.....	690.....	.....	687,25.....	.....	692,75....
C49.....	694 - 702.....	698.....	.....	695,25.....	.....	700,75....
C50.....	702 - 710.....	706.....	.....	703,25.....	.....	708,75....
C51.....	710 - 718.....	714.....	.....	711,25.....	.....	716,75....
C52.....	718 - 726.....	722.....	.....	719,25.....	.....	724,75....
C53.....	726 - 734.....	730.....	.....	727,25.....	.....	732,75....
C54.....	734 - 742.....	738.....	.....	735,25.....	.....	740,75....
C55.....	742 - 750.....	746.....	.....	743,25.....	.....	748,75....
C56.....	750 - 758.....	754.....	.....	751,25.....	.....	756,75....
C57.....	758 - 766.....	762.....	.....	759,25.....	.....	764,75....
C58.....	766 - 774.....	770.....	.....	767,25.....	.....	772,75....
C59.....	774 - 782.....	778.....	.....	775,25.....	.....	780,75....
C60.....	782 - 790.....	786.....	.....	783,25.....	.....	788,75....
C61.....	790 - 798.....	794.....	.....	791,25.....	.....	796,75....
C62.....	798 - 806.....	802.....	.....	799,25.....	.....	804,75....
C63.....	806 - 814.....	810.....	.....	807,25.....	.....	812,75....
C64.....	814 - 822.....	818.....	.....	815,25.....	.....	820,75....
C65.....	822 - 830.....	826.....	.....	823,25.....	.....	828,75....
C66.....	830 - 838.....	834.....	.....	831,25.....	.....	836,75....
C67.....	838 - 846.....	842.....	.....	839,25.....	.....	844,75....
C68.....	846 - 854.....	850.....	.....	847,25.....	.....	852,75....
C69.....	854 - 862.....	858.....	.....	855,25.....	.....	860,75....

Frekans spektrumunun bandlara paylasim listesi :

Genis frekans alanlari (band) :

ULF : 3 - 30 Hz

ELF : 30 - 300 Hz

VF : 300 Hz - 3 kHz

VLF : 3 - 30 kHz

LF : 30 - 300 kHz

MF : 300 kHz - 3 MHz

HF : 3 - 30 MHz

VHF : 30 - 300 MHz

UHF : 300 MHz - 3 GHz

SHF : 3 - 30 GHz

EHF : 30 - 300 GHz

F : Frequency

L : Low

M : Medium

H : High

V : Very

U : Ultra

S : Super

E : Extremely

Infrared Radiation : 300 GHz - 810 THz

Visible Light : 810 THz - 1620 THz

Ultraviolet Radiation : 1,62 PHz - 30 PHz

X-Rays : 30 PHz - 30 EHz

Gamma Rays : 30 EHz - 3 ZHz

k : kilo (10.3)

M : mega (10.6)

G : giga (10.9)

T : tera (10.12)

P : peta (10.15)

E : exa (10.18)

Z : zetta (10.21)

Y : yotta (10.24)

Radyo bandlari (LF/MF/HF/VHF içersinde) :

LW : Long Wave 150 – 285 kHz

MW : Medium Wave (AM modülasyonu ile) 520 – 1605 kHz

SW : Short Wave 3,95 – 26,1 MHz

UKW : Very Short Wave (FM modülasyonu ile) 87,5 – 108 MHz

Band II = FM (UKW)

TV alt bandlari (VHF/UHF içersinde) :

Band I : 47 - 68 MHz

Band S-I Alt (Lower CATV Band) : 104 - 174 MHz

Band III : 174 - 230 MHz

Band S-I Üst (Upper CATV Band) : 230 - 294 MHz

Band S-II (Hyper Band) : 302 - 463 MHz

Band IV : 470 - 599 MHz

Band V : 606 - 863 MHz

Mikro-Dalga bandlari (UHF/SHF/EHF içersinde) :

Band L : 1 - 2 GHz

Band S : 2,5 - 2,6 GHz

Band C : 3,4 - 7 GHz

Band X : 7 - 8,5 GHz

Band K : 10,7 - 30 GHz

Band Q : 30 - 50 GHz

Band U : 40 - 60 GHz

Band V : 46 - 56 GHz

Band W : 56 - 100 GHz

Band K alt bandlari :

Band Ku : 10,7 - 18 GHz

Band Ka : 20 - 30 GHz

Ku band (DTH TV uydu yayinlari) :

DownLink : 10,700 – 12,750 GHz

UpLink : 12,900 – 18,000 GHz

DownLink'de sikça rastlanan kesime frekanslari (GHz):

10,700 – 10,950 – 11,200 – 11,450 – 11,700 – 12,150 – 12,500 – 12,750

Uplink'de sikça rastlanan kesime frekanslari (GHz) :

12,900 – 13,250 – 13,750 – 14,000 – 14,250 – 14,500 – 15,400 – 17,300 – 18,100 – 18,400

DownLink alt bölümleri :

FSS (Ku-1) : 10,700 – 11,700 GHz

DBS (Ku-2) : 11,700 – 12,500 GHz

TELECOM (Ku-3) : 12,500 – 12,750 GHz

ECS (eskiden) : 10,950 – 11,700 GHz

FSS : Fixed Satellite System

DBS : Direct Broadcasting Satellite

TELECOM : Bu band ilk kez Fransiz Telecom uydusu tarafından kullanilmistir

ECS: European Communication Satellite (Eutelsat)

Universal LNB'ye göre (O.L. 9,750-10,60 GHz) :

Low : 10,700 - 11,700 GHz

High : 11,700 - 12,750 GHz