

**SISTEM PENGKANALAN FREKUENSI RADIO PITA 4 GHz s.d. 23 GHz
UNTUK KEPERLUAN DINAS TETAP MICROWAVE LINK**

FREKUENSI 4400 - 5000 MHz

Rec. ITU-R F.1099 Annex-1

BW = 40 MHz

NO	f_n (MHz)	f'_n (MHz)
1	4430	4730
2	4470	4770
3	4510	4810
4	4550	4850
5	4590	4890
6	4630	4930
7	4670	4970

FREKUENSI 6425 - 7110 MHz

Rec. ITU-R F.384

BW = 40 MHz

NO	f_n (MHz)	f'_n (MHz)
1	6460	6800
2	6500	6840
3	6540	6880
4	6580	6920
5	6620	6960
6	6660	7000
7	6700	7040
8	6740	7080

FREKUENSI 7110 - 7425 MHz**Rec. ITU-R F.385****BW = 7 MHz**

NO	fn (MHz)	f'n (MHz)
1	7128	7289
2	7135	7296
3	7142	7303
4	7149	7310
5	7156	7317
6	7163	7324
7	7170	7331
8	7177	7338
9	7184	7345
10	7191	7352
11	7198	7359
12	7205	7366
13	7212	7373
14	7219	7380
15	7226	7387
16	7233	7394
17	7240	7401
18	7247	7408
19	7254	7415
20	7261	7422

BW = 14 MHz

NO	fn (MHz)	f'n (MHz)
2	7135	7296
3	7142	7303
4	7149	7310
5	7156	7317
6	7163	7324
7	7170	7331
8	7177	7338
9	7184	7345
10	7191	7352
11	7198	7359
12	7205	7366
13	7212	7373
14	7219	7380
15	7226	7387
16	7233	7394
17	7240	7401
18	7247	7408
19	7254	7415

BW = 28 MHz

NO	fn (MHz)	f'n (MHz)
2	7135	7296
3	7142	7303
4	7149	7310
5	7156	7317
6	7163	7324
7	7170	7331
8	7177	7338
9	7184	7345
10	7191	7352
11	7198	7359
12	7205	7366
13	7212	7373
14	7219	7380
15	7226	7387
16	7233	7394
17	7240	7401
18	7247	7408

FREKUENSI 7425 - 7725 MHz**Rec. ITU-R F.385****BW = 7 MHz**

NO	fn (MHz)	f'n (MHz)
1	7428	7589
2	7435	7596
3	7442	7603
4	7449	7610
5	7456	7617
6	7463	7624
7	7470	7631
8	7477	7638
9	7484	7645
10	7491	7652
11	7498	7659
12	7505	7666
13	7512	7673
14	7519	7680
15	7526	7687
16	7533	7694
17	7540	7701
18	7547	7708
19	7554	7715
20	7561	7722

BW = 14 MHz

NO	fn (MHz)	f'n (MHz)
2	7435	7596
3	7442	7603
4	7449	7610
5	7456	7617
6	7463	7624
7	7470	7631
8	7477	7638
9	7484	7645
10	7491	7652
11	7498	7659
12	7505	7666
13	7512	7673
14	7519	7680
15	7526	7687
16	7533	7694
17	7540	7701
18	7547	7708
19	7554	7715

BW = 28 MHz

NO	fn (MHz)	f'n (MHz)
3	7442	7603
4	7449	7610
5	7456	7617
6	7463	7624
7	7470	7631
8	7477	7638
9	7484	7645
10	7491	7652
11	7498	7659
12	7505	7666
13	7512	7673
14	7519	7680
15	7526	7687
16	7533	7694
17	7540	7701
18	7547	7708
19	7554	7715

FREKUENSI 7725 - 8275 MHz**Rec. ITU-R F.386 Annex-1****BW = 29.65 MHz**

NO	fn (MHz)	f'n (MHz)
1	7747.70	8059.02
2	7777.35	8088.67
3	7807.00	8118.32
4	7836.65	8147.97
5	7866.30	8177.62
6	7895.95	8207.27
7	7925.60	8236.92
8	7955.25	8266.57

FREKUENSI 8275 - 8500 MHz**Rec. ITU-R F.386 Annex-3****BW = 28 MHz**

NO	fn (MHz)	f'n (MHz)
1	8293	8412
2	8307	8426
3	8321	8440
4	8335	8454
5	8349	8468
6	8363	8482

FREKUENSI 10.7 - 11.7 GHz**Rec. ITU-R F.387****BW = 40 MHz**

NO	fn (MHz)	f'n (MHz)
1	10715	11245
2	10755	11285
3	10795	11325
4	10835	11365
5	10875	11405
6	10915	11445
7	10955	11485
8	10995	11525
9	11035	11565
10	11075	11605
11	11115	11645
12	11155	11685

FREKUENSI 12750 - 13250 GHz**Rec. ITU-R F.497****BW = 7 MHz****KANAL SPASI = 14 MHz**

NO	fn (MHz)	f'n (MHz)
1	12754.5	13020.5
2	12761.5	13027.5
3	12768.5	13034.5
4	12775.5	13041.5
5	12782.5	13048.5
6	12789.5	13055.5
7	12796.5	13062.5
8	12803.5	13069.5
9	12810.5	13076.5
10	12817.5	13083.5
11	12824.5	13090.5
12	12831.5	13097.5
13	12838.5	13104.5
14	12845.5	13111.5
15	12852.5	13118.5
16	12859.5	13125.5
17	12866.5	13132.5
18	12873.5	13139.5
19	12880.5	13146.5
20	12887.5	13153.5
21	12894.5	13160.5
22	12901.5	13167.5
23	12908.5	13174.5
24	12915.5	13181.5
25	12922.5	13188.5
26	12929.5	13195.5
27	12936.5	13202.5
28	12943.5	13209.5
29	12950.5	13216.5
30	12957.5	13223.5
31	12964.5	13230.5
32	12971.5	13237.5

NO	fn (MHz)	f'n (MHz)
2	12761.5	13027.5
3	12768.5	13034.5
4	12775.5	13041.5
5	12782.5	13048.5
6	12789.5	13055.5
7	12796.5	13062.5
8	12803.5	13069.5
9	12810.5	13076.5
10	12817.5	13083.5
11	12824.5	13090.5
12	12831.5	13097.5
13	12838.5	13104.5
14	12845.5	13111.5
15	12852.5	13118.5
16	12859.5	13125.5
17	12866.5	13132.5
18	12873.5	13139.5
19	12880.5	13146.5
20	12887.5	13153.5
21	12894.5	13160.5
22	12901.5	13167.5
23	12908.5	13174.5
24	12915.5	13181.5
25	12922.5	13188.5
26	12929.5	13195.5
27	12936.5	13202.5
28	12943.5	13209.5
29	12950.5	13216.5
30	12957.5	13223.5
31	12964.5	13230.5

FREKUENSI 12750 - 13250 GHz**Rec. ITU-R F.497****BW = 28 MHz**

NO	fn (MHz)	f'n (MHz)
1	12765	13031
2	12793	13059
3	12821	13087
4	12849	13115
5	12877	13143
6	12905	13171
7	12933	13199
8	12961	13227

FREKUENSI 14.4 - 15.35 GHz**Rec. ITU-R F.636****BW = 28 MHz**

NO	fn (MHz)	f'n (MHz)
1	14417	14907
2	14445	14935
3	14473	14963
4	14501	14991
5	14529	15019
6	14557	15047
7	14585	15075
8	14613	15103
9	14641	15131
10	14669	15159
11	14697	15187
12	14725	15215
13	14753	15243
14	14781	15271
15	14809	15299
16	14837	15327

FREKUENSI 14.4 - 15.35 GHz**Rec. ITU-R F.636****BW = 7 MHz**

NO	fn (MHz)	f'n (MHz)
1	14406.5	14896.5
2	14413.5	14903.5
3	14420.5	14910.5
4	14427.5	14917.5
5	14434.5	14924.5
6	14441.5	14931.5
7	14448.5	14938.5
8	14455.5	14945.5
9	14462.5	14952.5
10	14469.5	14959.5
11	14476.5	14966.5
12	14483.5	14973.5
13	14490.5	14980.5
14	14497.5	14987.5
15	14504.5	14994.5
16	14511.5	15001.5
17	14518.5	15008.5
18	14525.5	15015.5
19	14532.5	15022.5
20	14539.5	15029.5
21	14546.5	15036.5
22	14553.5	15043.5
23	14560.5	15050.5
24	14567.5	15057.5
25	14574.5	15064.5
26	14581.5	15071.5
27	14588.5	15078.5
28	14595.5	15085.5
29	14602.5	15092.5
30	14609.5	15099.5
31	14616.5	15106.5
32	14623.5	15113.5
33	14630.5	15120.5
34	14637.5	15127.5
35	14644.5	15134.5
36	14651.5	15141.5
37	14658.5	15148.5

NO	fn (MHz)	f'n (MHz)
38	14665.5	15155.5
39	14672.5	15162.5
40	14679.5	15169.5
41	14686.5	15176.5
42	14693.5	15183.5
43	14700.5	15190.5
44	14707.5	15197.5
45	14714.5	15204.5
46	14721.5	15211.5
47	14728.5	15218.5
48	14735.5	15225.5
49	14742.5	15232.5
50	14749.5	15239.5
51	14756.5	15246.5
52	14763.5	15253.5
53	14770.5	15260.5
54	14777.5	15267.5
55	14784.5	15274.5
56	14791.5	15281.5
57	14798.5	15288.5
58	14805.5	15295.5
59	14812.5	15302.5
60	14819.5	15309.5
61	14826.5	15316.5
62	14833.5	15323.5
63	14840.5	15330.5
64	14847.5	15337.5

FREKUENSI 14.4 - 15.35 GHz**Rec. ITU-R F.636****BW = 14 MHz**

NO	fn (MHz)	f'n (MHz)
1	14413.5	14903.5
2	14420.5	14910.5
3	14427.5	14917.5
4	14434.5	14924.5
5	14441.5	14931.5
6	14448.5	14938.5
7	14455.5	14945.5
8	14462.5	14952.5
9	14469.5	14959.5
10	14476.5	14966.5
11	14483.5	14973.5
12	14490.5	14980.5
13	14497.5	14987.5
14	14504.5	14994.5
15	14511.5	15001.5
16	14518.5	15008.5
17	14525.5	15015.5
18	14532.5	15022.5
19	14539.5	15029.5
20	14546.5	15036.5
21	14553.5	15043.5
22	14560.5	15050.5
23	14567.5	15057.5
24	14574.5	15064.5
25	14581.5	15071.5
26	14588.5	15078.5
27	14595.5	15085.5
28	14602.5	15092.5
29	14609.5	15099.5
30	14616.5	15106.5
31	14623.5	15113.5
32	14630.5	15120.5
33	14637.5	15127.5
34	14644.5	15134.5
35	14651.5	15141.5
36	14658.5	15148.5
37	14665.5	15155.5

NO	fn (MHz)	f'n (MHz)
38	14672.5	15162.5
39	14679.5	15169.5
40	14686.5	15176.5
41	14693.5	15183.5
42	14700.5	15190.5
43	14707.5	15197.5
44	14714.5	15204.5
45	14721.5	15211.5
46	14728.5	15218.5
47	14735.5	15225.5
48	14742.5	15232.5
49	14749.5	15239.5
50	14756.5	15246.5
51	14763.5	15253.5
52	14770.5	15260.5
53	14777.5	15267.5
54	14784.5	15274.5
55	14791.5	15281.5
56	14798.5	15288.5
57	14805.5	15295.5
58	14812.5	15302.5
59	14819.5	15309.5
60	14826.5	15316.5
61	14833.5	15323.5
62	14840.5	15330.5

FREKUENSI 21.2 - 23.6 GHz**Rec. ITU-R F.637****BW = 7 MHz**

NO	fn (MHz)	f'n (MHz)
1	22011.5	23019.5
2	22018.5	23026.5
3	22025.5	23033.5
4	22032.5	23040.5
5	22039.5	23047.5
6	22046.5	23054.5
7	22053.5	23061.5
8	22060.5	23068.5
9	22067.5	23075.5
10	22074.5	23082.5
11	22081.5	23089.5
12	22088.5	23096.5
13	22095.5	23103.5
14	22102.5	23110.5
15	22109.5	23117.5
16	22116.5	23124.5
17	22123.5	23131.5
18	22130.5	23138.5
19	22137.5	23145.5
20	22144.5	23152.5
21	22151.5	23159.5
22	22158.5	23166.5
23	22165.5	23173.5
24	22172.5	23180.5
25	22179.5	23187.5
26	22186.5	23194.5
27	22193.5	23201.5
28	22200.5	23208.5
29	22207.5	23215.5
30	22214.5	23222.5
31	22221.5	23229.5
32	22228.5	23236.5
33	22235.5	23243.5
34	22242.5	23250.5
35	22249.5	23257.5
36	22256.5	23264.5
37	22263.5	23271.5
38	22270.5	23278.5
39	22277.5	23285.5
40	22284.5	23292.5
41	22291.5	23299.5
42	22298.5	23306.5

NO	fn (MHz)	f'n (MHz)
43	22305.5	23313.5
44	22312.5	23320.5
45	22319.5	23327.5
46	22326.5	23334.5
47	22333.5	23341.5
48	22340.5	23348.5
49	22347.5	23355.5
50	22354.5	23362.5
51	22361.5	23369.5
52	22368.5	23376.5
53	22375.5	23383.5
54	22382.5	23390.5
55	22389.5	23397.5
56	22396.5	23404.5
57	22403.5	23411.5
58	22410.5	23418.5
59	22417.5	23425.5
60	22424.5	23432.5
61	22431.5	23439.5
62	22438.5	23446.5
63	22445.5	23453.5
64	22452.5	23460.5
65	22459.5	23467.5
66	22466.5	23474.5
67	22473.5	23481.5
68	22480.5	23488.5
69	22487.5	23495.5
70	22494.5	23502.5
71	22501.5	23509.5
72	22508.5	23516.5
73	22515.5	23523.5
74	22522.5	23530.5
75	22529.5	23537.5
76	22536.5	23544.5
77	22543.5	23551.5
78	22550.5	23558.5
79	22557.5	23565.5
80	22564.5	23572.5
81	22571.5	23579.5
82	22578.5	23586.5
83	22585.5	23593.5

FREKUENSI 21.2 - 23.6 GHz**Rec. ITU-R F.637****BW = 14 MHz**

NO	fn (MHz)	f'n (MHz)
1	22015	23023
2	22029	23037
3	22043	23051
4	22057	23065
5	22071	23079
6	22085	23093
7	22099	23107
8	22113	23121
9	22127	23135
10	22141	23149
11	22155	23163
12	22169	23177
13	22183	23191
14	22197	23205
15	22211	23219
16	22225	23233
17	22239	23247
18	22253	23261
19	22267	23275
20	22281	23289
21	22295	23303
22	22309	23317
23	22323	23331
24	22337	23345
25	22351	23359
26	22365	23373
27	22379	23387
28	22393	23401
29	22407	23415
30	22421	23429
31	22435	23443
32	22449	23457
33	22463	23471
34	22477	23485
35	22491	23499
36	22505	23513
37	22519	23527
38	22533	23541
39	22547	23555
40	22561	23569
41	22575	23583

BW = 28 MHz

NO	fn (MHz)	f'n (MHz)
1	22022	23030
2	22050	23058
3	22078	23086
4	22106	23114
5	22134	23142
6	22162	23170
7	22190	23198
8	22218	23226
9	22246	23254
10	22274	23282
11	22302	23310
12	22330	23338
13	22358	23366
14	22386	23394
15	22414	23422
16	22442	23450
17	22470	23478
18	22498	23506
19	22526	23534
20	22554	23562

BW = 112 MHz

1	22078	23086
2	22190	23198
3	22302	23310
4	22414	23422
5	22526	23534

FREKUENSI 17.7 - 19.7 GHz**Rec. ITU-R F.595 Annex 5****BW = 7 MHz**

NO	f_n (MHz)	f'_n (MHz)
1	17710	18720
2	17717	18727
3	17724	18734
4	17731	18741
5	17738	18748
6	17745	18755
7	17752	18762
8	17759	18769
9	17766	18776