

4.

### 9-112 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
9	S5.53 S5.54		9 S5.53	
9-14			9-14	( )
14-19.95	S5.57 S5.55 S5.56		14-19.95 S5.57	( )
19.95-20.25	(20 kHz)		19.95-20.25	20 kHz ( )
20.25-70	S5.57 S5.56 S5.58		20.25-70 S5.57	( )
70-72 S5.60	70-90 S5.57 S5.60	70-72 S5.60 _____ S5.57 _____ S5.59	70-72	( )
72-84 S5.57 S5.60 S5.56	70-90 S5.57 S5.60 S5.61	72-84 S5.57 S5.60	72-84 S5.57	( )
84-86 S5.60		84-86 S5.60 _____ S5.58 S5.59	84-86	( ) ( )
86-90 S5.57 S5.56		86-90 S5.57 S5.60	86-90 S5.57	( )
90-110	S5.62 _____ S5.64		90-110	
110-112 S5.64	110-130 S5.60 _____ S5.61 S5.64 ( )	110-112 S5.60 S5.64	110-112 K3 S5.64	

## 112-285 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
112-115 S5.60	( ) 110-130  S5.60	112-117.6 S5.60	112-117.6	( )
115-117.6 S5.60		_____	_____ K3	
_____		_____	_____ S5.64	
S5.64 S5.66		S5.64 S5.65		
117.6-126 S5.64 S5.60		117.6-126 S5.64 S5.60	117.6-126 K3 S5.64	
126-129 S5.60		126-129 S5.60	126-129	( ) K6A
		_____	_____ S5.64	
		S5.64 S5.65		
129-130 S5.64 S5.60	S5.61 S5.64	129-130 S5.64 S5.60	129-160 K3 S5.64	K6A
130-148.5 S5.64 S5.67	130-160	130-160		
148.5-255	S5.64	S5.64		
	160-190	160-190	160-200	
	190-200			
S5.68 S5.70	S5.69	200-275	200-285	
		_____	_____	
255-283.5	275-285			
S5.70 S5.71	_____ ( )			

## 283.5-526.5 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
283.5-315 ( ) S5.73 S5.72 S5.74	285-315 ( ) S5.73		285-325	S5.73 GPS K69A
315-325  ( ) S5.73 S5.72 S5.75	315-325 ( ) S5.73	315-325 ( ) S5.73		
325-405   S5.72	325-335   ( ) 335-405	325-405   S5.72	325-405   S5.72	
405-415 S5.76 S5.72	405-415 S5.76		405-415 S5.76	K6B 410 kHz( )
415-435 S5.79 S5.72	415-495 S5.79 S5.79A S5.80		415-495   K7 S5.81	K6A K6B 490 kHz( ) S5.82
435-495 S5.79A S5.72 S5.81 S5.82	S5.77 S5.77A S5.81 S5.82			
495-505	( ) S5.83		495-505 S5.83	500 kHz( ) K6C
505-526.5 S5.79 S5.84 S5.79A S5.84	505-510 S5.79 S5.81	505-526.5 S5.79 S5.84 S5.79A S5.84	505-526.5   S5.81	512 kHz ( ) K11, K6B 518 kHz(NAVTEX ) S5.84
S5.72 S5.81	510-525 S5.79A S5.84	S5.81		

## 526.5-2000 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
526.5-1606.5	525-535 S5.86	526.5-535  S5.88	526.5-1606.5	( 1- 1 )
S5.87 S5.87A	535-1605	535-1606.5		
1606.5-1625 S5.90	1605-1625 S5.89	1606.5-1800		
S5.92	S5.90		1606.5-1800	
1625-1635  S5.93	1625-1705 S5.89			K13 K14
1635-1800 S5.90	_____			
	1705-1800			
S5.92 S5.96		S5.91		
1800-1810 S5.93	1800-1850	1800-2000	1800-1825	1812.5 kHz ( ) ( 5-3 )
1810-1850  S5.98 S5.99 S5.100 S5.101		( )  _____		
1850-2000  ( )  S5.92 S5.96 S5.103	1850-2000  ( )  S5.104	S5.97	1825-2000  _____	1850 kHz ( ) 1950 kHz ( )
			K14	

## 2000-2495 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
2000-2025  ( (R) ) S5.92 S5.103	2000-2065		2000-2065	2002.5 kHz ( ) K13
2025-4045  ( (R) ) S5.104 S5.92 S5.103				
2045-2160	2065-2107	S5.105 S5.106	2065-2107	2091 kHz ( , ) K16
S5.92	2107-2170		2107-2170	K15A
2160-2170				
S5.93 S5.107				
2170-2173.5			2170-2173.5	
2173.5-2190.5	( )		2173.5-2190.5	2174.5 kHz S5.110 2187.5 kHz S5.109 2182 kHz K6C, S5.108 S5.111
2190.5-2194			2190.5-2194	
2194-2300	2194-2300	S5.112	2194-2495	K16A
( (R) ) S5.92 S5.103 S5.112				
2300-2498	2300-2495	S5.112		
( (R) ) S5.113 S5.103				

## 2495-3500 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
2498-2501  (2500 kHz)	2495-2501  (2500 kHz)		2495-2505  _____ K20	2500 kHz ( )
2501-2502				
2502-2625  ( (R) )	2502-2505			
S5.92 S5.103 S5.114	2505-2850		2505-2850	2635 kHz K21 2638 kHz K23
2625-2650  S5.92				
2650-2850  ( (R) ) S5.92 S5.103				
2850-3025  S5.111 S5.115	(R)		2850-3025 (R)	3023 kHz S5.111 S5.115 ( 2-1 2-2 ) K6A
3025-3155	(OR)		3025-3155 (OR)	( 2-3 )
3155-3200  S5.116 S5.117	( (R) )		3155-3230  ( (R) )	K26A
3200-3230  S5.113 S5.116	( (R) )			
3230-3400  S5.113 S5.116 S5.118	( )		3230-3400  ( )	
3400-3500	(R)		3400-3500 (R)	( 2-1 2-2 )

### 3500-4181.75 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
3500-3800 S5.120  ( )	3500-3750 S5.120  S5.119 3750-4000 S5.120  ( (R) )	3500-3900 S5.120	3500-3550	3525 kHz( ) ( 5-3)
S5.92			3550-3790	3556 kHz( ) ( 5-4) K30 K26A
3800-3900  (OR)			3790-3800	3795 kHz( ) ( 5-3)
3900-3950 (OR) S5.123		3900-3950	3800-3900	
3950-4000	S5.112 S5.124 S5.125	3950-4000 S5.126	3900-3950	
4000-4063	S5.127		3950-3995	
	S5.126		3995-4005	4000 kHz( ) K16A
4063-4438	S5.79A S5.109 S5.110 S5.130 S5.131 S5.132		4005-4063	( ) ( 3-4 )
			4063-4065	( 3-9 )
			4065-4146	( ) ( 3-2 ) 4125 kHz( ) K27
			4146-4152	( ) ( ) ( 3-3 )
			4152-4172	( , ) ( 3-8 )
	S5.128 S5.129 ( )		4172-4181.75	( )  ( 3-10 ) 4177.5 kHz( ) S5.110

### 4181.75-4351 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
( )			4181.75-4186.75	
			4186.75-4202.25	(A1A ) ( 3-7 )
			4202.25-4207.25	( ) ( 3-11 )
			4207.25-4209.25	( ) ( 3-13 ) 4207.5 kHz ( ) S5.109
			4209.25-4219.25	( ) ( 3-10 ) ( ) 4209.5 kHz ( ) S5.131 4210 kHz (MS1) S5.132
			4219.25-4221	( ) ( 3-12 )
			4221-4351	( , A1A )



## 4351 - 5480 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
( )			4351 - 4438	( ) ( 3-2 )
4438 - 4650	( (R) )	4438 - 4650  ( )	4438 - 4650  ( )	4555 kHz ( ) K29
4650 - 4700 (R)			4650 - 4700 (R)	K6A ( 2-1 2-2 )
4700 - 4750 (R)			4700 - 4750 (OR)	( 2-3 )
4750 - 4850  (OR)  S5.113	4750 - 4850  ( (R) ) S5.113	4750 - 4850  S5.113  _____	4750 - 4850  _____	
4850 - 4995  S5.113			4850 - 4995	
4995 - 5003 (500 kHz)			4995 - 5005	5000 kHz ( )
5003 - 5005  _____			_____ K32	
5005 - 5060  S5.113			5005 - 5060	
5060 - 5250  ____( )  S5.133			5060 - 5250  ____( )	K26A
5250 - 5450  ( )			5250 - 5450  ( )	
5450 - 5480  (OR)	5450 - 5480 (R)	5450 - 5480  (OR)	5450 - 5480  (OR)	

## 5480-6284.75 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
5480-5680	(R) S5.511 S5.115		5480-5680 (R)	5680 kHz( ) ( 2-1 2-2 )
5680-5730	(R) S5.511 S5.115		5680-5730 (R)	( 2-3 )
5730-5900	5730-5900 ( (R) )	5730-5900 __ ( (R) )	5730-5900 __ ( (R) )	
5900-5950	S5.134 S5.135 S5.136		5900-5950 K26C	
5950-6200			5950-6200	
6200-6525	S5.109 S5.110 S5.130 S5.132		6200-6224	( ) ( 3-2 ) 6215 kHz K27
			6224-6233	( ) ( ) ( 3-3 )
			6233-6261	( ) ,
			6261-6262.75	( 3-9 )
			6262.75-6275.75	( ) ( 3-10 ) 6268 kHz S5.110
			6275.75-6280.75	(A1A )
			6280.75-6284.75	( )
			S5.137	( 3-10 )
	( )			

## 6284.75-6765 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
	( )		6284.75-6300.25	(A1A ) ( 3-7 )
			6300.25-6311.75	(  ) ( 3-11 )
			6311.75-6313.75	( ) ( 3-13 ) 6312 kHz S5.109
			6313.75-6330.75	(  ) ( 3-10 ) 6314 kHz(MSI) S5.132
			6330.75-6332.5	( ) ( 3-12 )
			6332.5-6501	( , A1A )
			6501-6525	( ) ( 3-2 )
6525-6685	(R)		6525-6685 (R)	( 2-1 2-2 )
6685-6765	(OR)		6685-6765 (OR)	( 2-3 )

## 6765-8341.75 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
6765-7000	_____ S5.139 S5.138		6765-7000  _____ S5.138	
7000-7100	S5.120  S5.140 S5.141		7000-7100	7050 kHz ( ) ( 5-3)
7100-7300	7100-7300 S5.120 S5.142	7100-7300	7100-7300	
7300-7350	5.134 S5.135  S5.143		7300-7350 K26C	
7350-8100	_____		7350-7995  _____	7712 kHz ( ) K30 ( 5-4), K16A K26A
			7995-8005	8000 kHz ( )
	S5.144		8005-8100  _____	
8100-8195			8100-8195	( )
8195-8815	S5.101 S5.110 S5.132 S5.145		8195-8294	( ) ( 3-2 ) 8291 kHz S5.145
			8294-8300	( ) ( ) ( 3-3 )
			8300-8340	( ; ) ( 3-8 )
	S5.111  ( )		8340-8341.75	( 3-9 )

### 8341.75-8438 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
( )			8341.75-8365.75	(A1A) ) ( 3-7 )  8364 kHz K6C, S5.111
			8365.75-8370.75	(A1A) ) ( 3-6 )
			8370.75-8376.25	(A1A) ) ( 3-7 )
			8376.25-8396.25	(  ) ( 3-10 ) 8376.5 kHz S5.110
			8396.25-8414.25	(  ) ( 3-11 )
			8414.25-8416.75	( ) ( 3-13 ) 8414.5 kHz S5.109
			8416.75-8436.25	(  ) ( 3-10 ) 8416.5 kHz(MS1) S5.132
( )			8436.25-8438	( ) ( 3-12 )

## 8438-11175 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
	( )		8438-8707	(A1A , ) S5.111
			8707-8815	( ) ( 3-2 )
8815-8965	(R)		8815-8965 (R)	( 2-1 2-2 )
8965-9040	(OR)		8965-9040 (R)	( 2-3 )
9040-9400			9040-9400	
9400-9500	S5.135 S5.146	S5.134	9400-9500 K26C	
9500-9900	S5.147		9500-9900  K31 S5.147	
9900-9995			9900-9995	
9995-10003	(10000 kHz) S5.111		9995-10005  _____ K36	10000 kHz ( ) 10003 kHz S5.111
10003-10005	_____ S5.111			
10005-10100	(R) S5.111		10005-10100 (R)	K6A ( 2-1 2-2 )
10100-10150	_____ S5.120		10100-10150	10125 kHz ( ) ( 5-3 )
10150-11175	____( (R) )		10150-11175  ____( (R) )	

## 11175-12549.75 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
11175-11275	(OR)		11175-11275 (OR)	( 2-3 )
11275-11400	(R)		11275-11400 (R)	( 2-1 2-2 ) )
11400-11600			11400-11600	
11600-11650	S5.134 S5.135 S5.146		11600-11650 K26C	
11650-12050	S5.147 S5.148		11650-12050 S5.148	
12050-12100	S5.134 S5.135 S5.146		12050-12100 K26C	
12100-12230			12100-12230	
12230-13200 S5.145	S5.109 S5.110 S5.132		12230-12353	( ) ( 3-2 ) 12290 kHz S5.145
			12353-12368	( ) ( ) ( 3-3 )
			12368-12420	( , ) ( 3-8 )
			12420-12421.75	( 3-9 )
			12421.75-12476.75	(A1A ) ( 3-7 )
			12476.75-12549.75	(  ) ( 3-10 ) 12520 kHz S5.110
			( )	

## 12549.75-13200 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
( )			12549.75-12554.75	(A1A ) ( 3-6 )
			12554.75-12559.75	(  ) ( 3-10 )
			12559.75-12576.75	
			12576.75-12578.75	( ) ( 3-13 ) 12577 kHz S5.109
			12578.75-12656.75	(  ) ( 3-10 ) 12579 kHz(MSI) S5.132
			12656.75-12658.5	( ) ( 3-12 )
			12658.5-13077	( , A1A )
			13077-13200	( ) ( 3-2 )



## 13200-15100 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
13200-13260	(OR)		13200-13260 (OR)	( 2-3 )
13260-13360	(R)		13260-13360 (R)	K6A ( 2-1 2-2 )
13360-13410			13360-13410	
S5. 149			S5. 149	
13410-13570	___( (R) )		13410-13570	13560 kHz(ISM) S5. 150 ( 5-1 )
S5. 150			___( (R) )	
13570-13600	S5. 134 S5. 135		13570-13600 K26C	
S5. 151				
13600-13800			13600-13800 S5. 148	
S5. 148				
13800-13870	S5. 134 S5. 135		13800-13870 K26C	
S5. 151				
13870-14000	___( (R) )		13870-14000	
___( (R) )			___( (R) )	
14000-14250	S5. 120		1400-14350	14175 kHz( ) ( 5-3)
14250-14350	S5. 120		K41	
S5. 152				
14350-14990	___( (R) )		14350-14990	14369 kHz ( ) K30 ( 5-4)
___( (R) )			___( (R) )	
14990-15005		(15000 kHz)	14990-15010	15000 kHz ( )
S5. 111			_____ K42	14993 kHz S5. 111
15005-15010	_____			
15010-15100	(OR)		15010-15100 (OR)	( 2-3 )

## 15100-16738.75 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
15100-15600	S5.148		15100-15600 S5.148	
15600-15800	S5.135 S5.146	S5.134	15600-15800 K26C	
15800-16360	S5.153		15800-15995	
			15995-16005	16000 kHz ( )
			16005-16360	
16360-17410	S5.109 S5.110 S5.132 S5.145		16360-16528	( ) ( 3-2 ) 16420 kHz S5.145
			16528-16549	( ) ( ) ( 3-3 )
			16549-16617	( ) , ( ) ( 3-8 )
			16617-16618.75	( 3-9 )
			16618.75-16683.25	(A1A) ( ) ( 3-7 )
			16683.25-16733.75	( ) ( ) ( 3-10 ) 16695 kHz S5.110
			16733.75-16738.75	(A1A) ( ) ( 3-6 )
			( )	

## 16738.75-17410 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
( )			16738.75-16784.75	( ) ( 3-10 )
			16784.75-16804.25	( ) ( 3-11 )
			16804.25-16806.25	( ) ( 3-13 ) 16804.5 kHz S5.109
			16806.25-16902.75	( ) ( 3-10 ) 16806.5 kHz(MSI) S5.132
			16902.75-16904.5	( ) ( 3-12 )
			16904.5-17242	( , A1A )
			17242-17410	( ) ( 3-2 )

## 17410-18900 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
17410-17480			17410-17480	
17480-17550	S5.134 S5.135 S5.146		17480-17550 K26C	
17550-17900	S5.148		17550-17900 S5.148	
17900-17970	(R)		17900-17970 (R)	K6A ( 2-1 2-2 )
17970-18030	(OR)		17970-18030 (OR)	( 2-3 )
18030-18052			18030-18052	
18052-18068			18052-18068	
18068-18168	S5.120  S5.154		18068-18168	18118 kHz ( ) ( 5-3 )
18168-18780	___( )		18168-18780 ___( )	
18780-18900			18780-18825	( ) ( 3-2 )
			18825-18846	( ) , ( ) ( 3-3 )
			18846-18892.75	( )  ( ) ( 3-10 )
			18892.75-18898.25	( )  ( ) ( 3-11 )
			18898.25-18900	( ) ( ) ( 3-13 )

## 18900-22000 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
18900-19020	S5.134 S5.135 S5.146		18900-19020 K26C	
19020-19680			19020-19680	
19680-19800	S5.132		19680-19703.25	(  ) ( 3-10 ) 19680.5 kHz(MSI) S5.132
			19703.25-19705	( ) ( 3-12 )
			19705-19755	( , A1A )
			19755-19800	( ) ( 3-2 )
19800-19990			19800-19990	
19990-19995	<u>          </u> S5.111		19990-20010 <u>          </u> K43	20000 kHz( ) 19993 kHz S5.111
19995-20010	S5.111	(20000 kHz)		
20010-21000	<u>          </u>		20010-21000 <u>          </u>	
21000-21450	S5.120		21000-21450	21225 kHz ( ) ( 5-3)
21450-21850	S5.148		21450-21850	
21850-21870	S5.155A S5.155		21850-21924	
21870-21924	S5.155B			
21924-22000	(R)		21924-22000 (R)	K6A ( 2-2 )

## 22000-22443.75 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
22000-22855	S5.132		22000-22159	( ) ( 3-2 )
			22159-22180	( ) ( ) ( 3-3 )
			22180-22240	( , ) ( 3-8 )
			22240-22241.75	( 3-9 )
			22241.75-22279.25	(A1A ) ( 3-7 )
			22279.25-22284.25	(A1A ) ( 3-6 )
			22284.25-22351.75	( ) ( 3-10 )
			22351.75-22374.25	( ) ( 3-11 )
			22374.25-22375.75	( ) ( 3-13 )
			22375.75-22443.75	( ) ( 3-10 ) 22376 kHz(MSI) S5.132
	S5.156 ( )			

## 22443.75-25070 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
	( )		22443.75-22445.5	( ) ( 3-12 )
			22445.5-22696	( , A1A )
			22696-22855	( ) ( 3-2 )
22855-23000	S5.156		22855-23000	
23000-23200	____( (R) )  S5.156		23000-23200  ____( (R) )	
23200-23350	S5.156A (OR)		23200-23350  (OR)	
23350-24000	( ) S5.157		23350-24000  ( )	K44
24000-24890			24000-24890	
24890-24990	S5.120		24890-24990	24940 kHz ( ) ( 5-3 )
24990-25005		(25000 kHz)	24990-25010	25000 kHz ( )
25005-25010	_____		_____ K45	
25010-25070	( )		25010-25070  ( )	

## 25070-26100 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
25070-25210			25070-25100	( ) ( 3-2 )
			25100-25121	( ) ( ) ( 3-3 )
			25121-25161.25	( ) ( 3-8 )
			25161.25-25171.25	(A1A) ( ) ( 3-7 )
			25171.25-25172.75	(A1A) ( )
			25172.75-25192.75	( ) ( 3-10 )
			25192.75-25208.25	( ) ( 3-11 )
			25208.25-25210	( ) ( 3-13 )
	25210-25550	( )		25210-25550  ( ) K46
25550-25670	S5.149		25550-25670	
25670-26100			25670-26100	



## 26100-29700 kHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
26100-26175	S5.132		26100-26120.75	( ) ( 3-10 ) 26100.5 kHz(MSI) S5.132
			26120.75-26122.5	( ) ( 3-12 )
			26122.5-26145	( , A1A )
			26145-26175	( ) ( 3-2 )
26175-27500	( )		26175-27500	( 5-1) K37, 27386 kHz( ) ( 5-4) K30 ( 5-5) K49 K50
S5.150			S5.150 K48	
27500-28000			27500-28000	27821 kHz( . . ) ( ) K47 K51
28000-29700			28000-29700	28850 kHz( ) ( 5-3)

## 29.7-68 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
29.7-30.005			29.7-30.005	
30.005-30.01 ( )			30.005-30.01 ( )	
30.01-37.5			30.01-37.5	
37.5-38.25  S5.149			37.5-38.25  S5.149	
38.25-39.986			38.25-41	K16A K37 ( 5-1) K50
39.986-40.02				
40.02-40.98  S5.150				
40.98-41.015  S5.160 S5.161				
41.015-44  S5.160 S5.161			41-50	K16A 48.5 MHz ( ) K30 ( 5-4) K54 ( 5-6)
44-47  S5.162 S5.162A				
47-68	47-50	47-50	50-54	52 MHz ( ) ( 5-3)
	50-54 S5.166 S5.167 S5.168 S5.170			
	54-68	54-68		
S5.163 S5.164 S5.165 S5.169 S5.171 S5.162A	S5.172		54-72	TV ( 1-3 )
			( )	

## 68-108 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
68-74.8  ( )    S5.149 S5.174 S5.175 S5.177 S5.179	68-72  _____ S5.173  72-73  73-74.6 SS.178  74.6-74.8	68-74.8        S5.149 S5.176 S5.179	( )    72-74.8    S5.149	     K37, K53B ( 5-1, 5-2) · K53A
74.8-75.2   S5.180 S5.181			74.8-75.2	75 MHz( ) K30( 5-4)
75.2-87.5  ( )    S5.175 S5.179 S5.184 S5.187	75.2-75.4  S5.179  75.4-76  76-88  _____ _____  S5.185  88-100	75.4-87    S5.149 S5.182 S5.183 S5.188  87-100	75.2-76    76-88    88-100	K37( 5-1) · K53A   TV ( 1-3 )   FM ( 1-2 )  FM ( 1-2 ) K53B ( 5-2)
87.5-100    S5.190			100-108	S5.192
100-108   S5.192 S5.194			100-108	S5.192

# 108-137.825 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
108-117.975			108-117.975	ILS(            ) VOR (    2-4    2-5    ) 109.1 MHz, 116.3 MHz (            ) K30(    5-4)
S5.197				
117.975-136	(R)		117.975-136	121.5 MHz K60 K69
S5.111	S5.198	S5.199	S5.200	S5.111
S5.201			K58	123.1 MHz S5.200
136-137	(R)		136-137	
			(R)	
S5.202	S5.203	S5.203A	S5.203B	
137-137.025	(            )		137-137.025	
	(            )		(            )	
	(            )		S5.208A S5.209	
	(            )	S5.208A	S5.209	
_____	(R)		(            )	(GMPCS) K65
_____			(            )	
S5.204	S5.205	S5.206	S5.207	S5.208
			S5.204	S5.205
			S5.206	S5.207
			S5.208	S5.208
137.025-137.175	(            )		137.025-137.175	
	(            )		(            )	
	(            )		(            )	
_____	(            )	S5.208A	S5.209	
_____	(R)		(            )	(GMPCS) K65
_____			(            )	
S5.204	S5.205	S5.206	S5.207	S5.208
			S5.204	S5.205
			S5.206	S5.207
			S5.208	S5.208
137.175-137.825	(            )		137.175-137.825	
	(            )		(            )	
	(            )		(            )	
	(            )	S5.208A	S5.209	
_____	(R)		(            )	(GMPCS) K65
_____			(            )	
S5.204	S5.205	S5.206	S5.207	S5.208
			S5.204	S5.205
			S5.206	S5.207
			S5.208	S5.208

## 137.825-149.9 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
137.825-138  ( ) ( ) ( ) _____( ) S5.208A S5.209 _____ _____( (R) )  S5.204 S5.205 S5.206 S5.207 S5.208	( ) ( ) ( ) _____( ) S5.208A S5.209 _____ _____( (R) )  S5.204 S5.205 S5.206 S5.207 S5.208	( ) ( ) ( ) _____( ) S5.208A S5.209 _____ _____( (R) )  S5.204 S5.205 S5.206 S5.207 S5.208	137.825-138  ( ) ( ) ( ) _____( ) S5.208A S5.209 _____ _____( (R) ) S5.204 S5.205 S5.206 S5.207 S5.208	(GMPCS) K65
138-143.6 (OR)  S5.210 S5.211 S5.212 S5.214	138-143.6  _____( )	138-143.6  _____( )  S5.207 S5.213	148-143.6  _____( ) K52 K71	K64 K64A K64I
143.6-143.65 (OR) ( ) S5.211 S5.212 S5.214	143.6-143.65  ( )	143.6-143.65  ( )  S5.207 S5.213	143.6-143.65  ( )  K71	
143.65-144 (OR)  S5.210 S5.211 S5.212 S5.214	143.65-144  _____( )	143.65-144  _____( )  S5.207 S5.213	143.65-144  _____( )  K71	
144-146  S5.120  S5.216	S5.120  S5.216		144-146	145 MHz( ) ( ) 5-3)
146-148  ( (R) ) )	146-148  S5.217	146-148  S5.217	146-148  K60B K60C K71	K26A K48 ( 5-7) K59E K59F K64 64A 64B K64I
148-149.9  ( (R) ) ) ( ) S5.209  S5.218 S5.219 S5.221	148-149.9  ( )  S5.209  S5.218 S5.219 S5.221	S5.209  S5.218 S5.219 S5.221	148-149.9  ( )  S5.209  S5.218 S5.219 S5.221 K16A K71	K60D K64A  (GMPCS) K65

# 149.9-162.05 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
149.9-150.05	S5.224B S5.220 S5.222 S5.223  ( ) S5.209 S5.224		149.9-150.05 S5.224B S5.220 S5.222 S5.223 ( ) S5.209 S5.224A K71	K64A  (GMPCS) K65
150.05-153  ( ) S5.149	150.05-156.7625		150.05-156	K16A K26A K30( 5-4) K50  K51A K53A K60B K60C K60D • K60H K60I K64 K64A • K62A K64F K64G K77F
153-154  ( (R) )				
154-156.7625  ( (R) )				
S5.226 S5.227	S5.225 S5.226 S5.227		K64I K71	
156.7625-156.8375  ( ) S5.111 S5.226			156-157.45	K64G ( 3-14 ) 156.8 MHz S5.111 156.525 MHz S5.226 156.825 MHz K63
156.8375-174  ( )	156.8375-174		K61A K64 K71	
			157.45-160.6	K60D • K60H K60I K64 K64A
			K53A K71	K77F
			160.6-160.975	( 3-14 )
			K59D K61A K71	
			160.975-161.475	
			K59D K60H K71	
S5.226 S5.229	S5.226 S5.230 S5.231 S5.232  ( )		161.475-162.05	( 3-14 )
			K61A K71	

# 162.05-235 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
( )		( )	162.05-174	( ) K37( 5-2) K51A K64 • K64C K64G
			K52 K53A K60D K61A K64A K60G K60H K64I K64J K71	
174-223	174-216  S5.234	174-223	174-216	TV ( 1-3 )
	216-220  S5.241		216-223	K30( 5-4) K48( 5-7) ( , ) K53B K66 K67 ( 5-2) • K60H K60I K62A K64B K64D K64I K66A K66B K67A
S5.235 S5.237 S5.243	S5.242 220-225  S5.241	S5.233 S5.238 S5.240 S5.245		K67B K67C
223-230   S5.243 S5.246 S5.247	225-235	223-230  S5.250	223-230   S5.250	( ) K66( 5-2)
230-235  S5.247 S5.251 S5.252		230-235  S5.250	230-235	

## 235-328.6 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
235-267			235-267	( ) K37 K70A ( 5-2)  243 MHz K6C K69 S5.111 S5.214
S5.111 S5.199 S5.252 S5.254 S5.256			K70	
267-272			267-273	K70A
_____ ( )  S5.254 S5.257			_____ ( )	
272-273				
( )  S5.254				
273-312			273-322	( ) K37( 5-2)
S5.254				
312-315				
_____ ( )  S5.254 S5.255				
315-322				
S5.254				
322-328.6			322-328.6	K70( 4-4)
S5.149				



### 328.6-400.15 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
328.6-335.4	S5.258 S5.259		328.6-335.4  —	ILS(            ) (    2-4        ) 331.4 MHz(        ) K30(        5-4)
335.4-387	S5.254		335.4-371.5  K71 371.5-381.5  K71	(            ) K37 (    5-2)  (TRS) K70B(        4-2)
387-390	_____ (            ) S5.254 S5.255 S5.208A		381.5-389.5  K71	
390-399.9	S5.254		389.5-399.5  K71 399.5-399.9  K71	(TRS) K70B(        4-2)  K77
399.9-400.05	S5.222 S5.260 S5.224B  S5.224A (            ) S5.209  S5.220		399.9-400.5  S5.260  K71	
400.05-400.15	(400.1 MHz)  S5.261 S5.262		400.05-400.15  K71	400.1 MHz(        )

### 400.15-406.1 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
400.15-401	(            ) (            ) S5.263 (            ) S5.208A S5.209 _____(            )		400.15-401	K72A
	S5.262 S5.264		(            ) (            ) _____(            )	
401-402			401-402	
			(            ) (            ) _____(            )	
402-403			K71	
			402-403	
			(            ) _____(            )	
403-406			K71 K73	
			403-406	
			_____(            )	
406-406.1			K71 K73	
			406-406.1	
			(            )	
	S5.266 S5.269		K71 S5.266	

## 406.1-450 MHz

(1)			(2)			(3)			(4)			(5)		
1			2			3								
406.1-410			( )						406.1-410					
									( )					
									K71 K75 S5.149					
410-420			( )						410-420					
			( ) S5.268						( )					
									( )					
									K71 K75 K75A					
420-430			( )						420-430			K49( 5-5)		
			_____						( )			( )		
									( )			K66( 5-2)		
												K70		
												K75A( 5-7)		
												K77		
									K71 K75					
430-440			430-440						430-440			435 MHz(		
			_____						_____ S5.282			) ( 5-3)		
S5.138 S5.271														
S5.272 S5.273														
S5.275 S5.276														
S5.277 S5.280														
S5.281 S5.282			S5.271 S5.276 S5.277 S5.278 S5.279											
S5.283			S5.281 S5.282											
440-450			( )						440-450			K26A		
			_____						( )			( ,		
									( )			) K37( 5-2)		
									_____			K48( 5-7)		
												K66( 5-5)		
									K71 S5.286					
			S5.269 S5.270 S5.271 S5.284 S5.285											
			S5.286											
			( )						( )					

## 450-460 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
( )			( )	K51A K60B K62A K64B K64H K77 K77A K77F K77H
450-455	S5.271 S5.286 S5.286A S5.286B S5.286C S5.286D S5.286E		450-460	K30( 5-4) K60C K60I K64C K64E K64I GPS K69A K77 K77A K77B K77F K77G
455-456	455-456	455-456		
	( )			
S5.209 S5.271 S5.286A S5.286B S5.286C S5.286E	S5.209 S5.286A S5.286B S5.286C S5.271	S5.209 S5.206A S5.206B S5.206E S5.271 S5.286C		
456-459	S5.271 S5.287 S5.288			
459-460	459-460	459-460		
	( )			
S5.209 S5.286A S5.286B S5.286E S5.271 S5.286C	S5.209 S5.286A S5.286B S5.286C S5.271	S5.209 S5.286A S5.286B S5.286E S5.271 S5.286C	K71 S5.286 S5.287	

## 460-890 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
460-470	<p style="text-align: center;">_____ (            )</p> <p style="text-align: center;">S5.287 S5.288 S5.289 S5.290</p>		460-470	<p style="text-align: center;">_____ (            )</p> <p style="text-align: center;">K60H K601 K62A K64C K64D K64I K66A K66B K77 K77A K77G</p> <p style="text-align: center;">K62A K66A K64C K64D K71 K77 K77A S5.287 S5.289</p>
470-790	<p>470-512</p> <p>_____</p> <p>_____</p> <p>S5.292 S5.293</p> <p>512-608</p> <p>S5.297</p> <p>608-614</p> <p>_____</p> <p>(            )</p> <p>(            )</p>	<p>470-585</p> <p>S5.291 S5.298</p> <p>585-610</p> <p>S5.149 S5.305 S5.306 S5.307</p> <p>610-890</p>	470-740	TV
S5.149 S5.294 S5.296 S5.300 S5.302 S5.304 S5.306 S5.311 S5.312 S5.291A	614-806		K82 S5.306	(    1-3    )
790-862	<p>S5.293 S5.309 S5.311</p> <p>806-890</p>		740-752	TV
S5.312 S5.314 S5.315 S5.316 S5.319 S5.321			752-806	(    1-3    ) (            ) K53B(    5-2    )
862-890			K86	K30 (    5-4    ) K645 K85 K83
(            ) S5.322			806-894	K87 (    4-2    ) (            ) K87A(    4-6    ) K88(    4-1    )
S5.319 S5.323	S5.317 S5.318	S5.149 S5.305 S5.306 S5.307 S5.311 S5.320		

## 890-960 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
890-942  (            ) S5.322  _____	890-902  (            )  _____  S5.318 S5.325 902-928  _____ ____ (            )  _____  S5.150 S5.325 S5.326 928-942  (            )  _____	890-942  _____	894-942  _____	(            )  K53A(    5-2)  K54(    5-6)  K88A(    4-3)  (CT-2) K90A(    4-7) K91
S5.323	S5.325	S5.327		
942-960  (            ) S5.322	942-960	942-960	942-960	K54 (    5-6) K64J
S5.323		S5.320		

## 960-1400 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
960-1215			960-1215	K30( 5-4) DME TACAN ( 2-5 ) 1030 MHz(SSR ) 1090 MHz(ATC )
S5.328				
1215-1240	( ) ( ) ( )		1215-1260	
S5.329 S5.330 S5.331 S5.332			( ) ( ) ( )	
1240-1260	( ) ( ), ( )  _____		S5.329	
S5.329 S5.330 S5.331 S5.332 S5.334 S5.335				
1260-1300	( ), ( )  _____		1260-1300	1280 MHz( ( ) ( 5-3)  ( ) _____ S5.282
S5.282 S5.330 S5.331 S5.332 S5.334 S5.335				
1300-1350	S5.337   _____		1300-1350	
S5.149			S5.337  _____	
1350-1400	1350-1400		1350-1400	
S5.149 S5.338 S5.339	S5.149 S5.334 S5.339		_____( ) _____( )  S5.149 S5.339	

# 1400-1530 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
1400-1427     S5.340 S5.341	( )  ( )		1400-1427     S5.340	
1427-1429	( )  ( )		1427-1429  ( )  ( )	
1429-1452  ( )  S5.341 S5.342	1429-1452  S5.343  S5.341		1429-1525	
1452-1492  ( ) S5.345 S5.347 S5.345 S5.347  S5.341 S5.342	1452-1492  S5.343 S5.345 S5.347 S5.345 S5.347  S5.341 S5.344			
1492-1525  ( )  S5.341 S5.342	1492-1525  S5.343 ( ) S5.348A  S5.341 S5.344 S5.348	1492-1525    S5.341 S5.348A		
1525-1530  ( )  ( )  _____ _____( ) S5.349  S5.341 S5.342 S5.350 S5.351 S5.352A S5.354	1525-1530  ( ) ( )  _____ ____ S5.343  S5.341 S5.351 S5.354	1525-1530  ( ) ( )  _____ ____ S5.349  S5.341 S5.351 S5.352A S5.354	1525-1530  ( ) ( )  _____ _____  S5.351	



## 1530-1559 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
1530-1533 ( ) ( ) S5.353A _____ _____ _____( )  S5.341 S5.342 S5.351 S5.354	1530-1533 ( ) ( ) S5.353A _____ _____ S5.343  S5.341 S5.351 S5.354		1530-1533 ( ) S5.353A _____ _____ _____	B , C , M K110A
1533-1535 ( ) ( ) S5.353A _____ _____ _____( )  S5.341 S5.342 S5.351 S5.354	1533-1535 ( ) ( ) S5.353A _____ _____ S5.343  S5.341 S5.351 S5.354		1533-1535 ( ) S5.353A   S5.351	C , M K110A
1535-1544    S5.341 S5.351 S5.353A S5.354 S5.355	( )		1535-1544 ( )  S5.351	A K110A
1544-1545   S5.341 S5.354 S5.355 S5.356	( )		1544-1545 ( )  S5.356	
1545-1555   S5.341 S5.351 S5.354 S5.355 S5.357 S5.359	( )		1545-1555 ( )  S5.351 S5.357	K110A
1555-1559   S5.341 S5.351 S5.354 S5.355 S5.359 S5.362A	( )		1555-1559 ( )  S5.351 S5.359	K110A

# 1559-1626.5 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
1559-1610    S5.341 S5.355 S5.359 S5.363	( )		1559-1610    ( )	
1610-1610.6    S5.341 S5.355 S5.359 S5.363 S5.364 S5.366 S5.367 S5.368 S5.369 S5.371 S5.372	1610-1610.6    S5.341 S5.364 S5.366 S5.367 S5.368 S5.370 S5.372	1610-1610.6    S5.341 S5.355 S5.359 S5.364 S5.366 S5.367 S5.368 S5.369 S5.372	1610-1610.6    ( )    S5.367	(GMPCS) 가 K105A
1610.6-1613.8    S5.149 S5.341 S5.355 S5.359 S5.363 S5.364 S5.366 S5.367 S5.368 S5.369 S5.371 S5.372	1610.6-1613.8    S5.149 S5.341 S5.364 S5.366 S5.367 S5.368 S5.370 S5.372	1610.6-1613.8    S5.149 S5.341 S5.355 S5.359 S5.364 S5.366 S5.367 S5.368 S5.369 S5.372	1610.6-1613.8    ( )    S5.366 S5.367	(GMPCS) 가 K105A
1613.8-1626.5    S5.341 S5.355 S5.359 S5.363 S5.364 S5.365 S5.366 S5.367 S5.368 S5.369 S5.371 S5.372	1613.8-1626.5    S5.341 S5.364 S5.365 S5.366 S5.367 S5.368 S5.370 S5.372	1613.8-1626.5    S5.341 S5.355 S5.359 S5.364 S5.365 S5.366 S5.367 S5.368 S5.369 S5.372	1613.8-1626.5    ( )    S5.366 S5.367	(GMPCS) 가 K105A

## 1626.5-1670 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
1626.5-1631.5	( )		1626.5-1631.5 ( )	K110A
	S5.341 S5.351 S5.353A S5.354 S5.355 S5.359		S5.351	
1631.5-1636.5	( )		1631.5-1645.5 ( )	B , C , M K110A
	S5.341 S5.351 S5.354 S5.355 S5.359 S5.374 S5.363A			
1636.5-1645.5	( )		S5.351	
	S5.341 S5.351 S5.353A S5.354 S5.355 S5.359			
1645.5-1646.5	( )		1645.5-1646.5 ( )	
	S5.341 S5.354 S5.375		K110A S5.375	
1646.5-1656.5	( )		1646.5-1656.5 ( )	K110A
	S5.341 S5.351 S5.354 S5.355 S5.357A S5.359 S5.376		K110A S5.351 S5.376	
1656.5-1660	( )		1656.5-1660 ( )	
	S5.341 S5.351 S5.354 S5.355 S5.359 S5.374		K110A S5.351	
1660-1660.5	( )		1660-1660.5 ( )	
	S5.149 S5.341 S5.351 S5.354 S5.362A S5.376A		K110A S5.351	
1660.5-1668.4	( )  —( )		1660.5-1668.4  —( )	
	S5.149 S5.341 S5.379 S5.379A			
1668.4-1670	( )		1668.4-1670	
	S5.149 S5.341			

## 1670-1970 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
1670-1675  ( ) S5.380  S5.341			1670-1675	K111A( 4-5)
1675-1690  ( ) ( )  S5.341	1675-1690  ( ) ( ) ( )  S5.341 S5.377	1675-1690  ( ) ( )  S5.341	1675-1690  ( )	1680, 1687 MHz (Radio Sonde)
1690-1700  ( ) ( )  S5.289 S5.341 S5.382	1690-1700  ( ) ( )  S5.280 S5.341 S5.377 S5.381	1690-1700  ( )  S5.289 S5.341 S5.381	1690-1700  ( )  S5.289	
1700-1710  ( ) ( )  S5.289 S5.341	1700-1710  ( ) ( ) ( )  S5.289 S5.341 S5.377	1700-1710  ( ) ( )  S5.289 S5.341 S5.384	1700-1710  ( )  S5.289	K111
1710-1930  S5.380  S5.149 S5.341 S5.385 S5.386 S5.387 S5.388			1710-1980	(PCS) K111B( 4-5)  K111A( 4-8) IMT-2000 K114
1930-1970  S5.388	1930-1970  _____( )  S5.388	1930-1970  S5.388	S5.385 S5.386	

## 1970-2200 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
1970-1980 S5.388	1970-1980 S5.388	1970-1980 S5.388	( )	( )
1980-2010 ( ) S5.388 S5.389A S5.389B S5.389F			1980-2010 ( ) K114 S5.388 S5.389A S5.389B S5.389F	IMT-2000 K114
2010-2025 S5.388	2010-2025 ( ) S5.388 S5.389C S5.389D S5.389E	2010-2025 S5.388	2010-2025	IMT-2000 K114
2025-2110 S5.391 ( ) ( ) ( ) ( ) ( ) ( ) S5.392			2025-2110 ( ) ( ) ( ) ( ) ( ) K116	
2110-2120 ( ) ( ) S5.388			2110-2170	IMT-2000 K114
2120-2160 S5.388	2120-2160 _____( ) S5.388	2120-2160 S5.388		
2160-2170 S5.388 S5.392A	2160-2170 ( ) S5.388 S5.389C S5.389D S5.389E S5.390	2160-2170 S5.388		
2170-2200 ( ) S5.388 S5.389A S5.389F S5.392A			2170-2200 ( ) K114 S5.388 S5.389A S5.389F S5.392A	가 K114A

## 2200-2500 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
2200-2290	( ) ( ) ( ) ( ) S5.391 ( ) ( )		2200-2290 ( ) ( ) ( ) ( )	
	S5.392		K116	
2290-2300	( ) ( ) ( )		2290-2300 ( ) ( )	
			K116	
2300-450	2400-2450		2300-2400	K116A 가 K116B
_____	_____		2400-2450	2425 MHz( ) ( ) 5-3) K116A (LAN, ) K117( 5-2)
S5.150 S5.282 S5.395	S5.150 S5.282 S5.393 S5.394 S5.396		S5.150	
2450-2483.5	2450-2483.5		2450-2483.5	K116A (LAN, ) K117( 5-2)
S5.150 S5.397	S5.150 S5.394		S5.150	
2483.5-2500	2483.5-2500	2483.5-2500	2483.5-2500	(GMPCS) 가 K105A
( ) _____	( ) S5.398 ( )	( ) _____ ( ) S5.398	( ) _____ ( )	
S5.150 S5.371 S5.397 S5.398 S5.399 S5.400 S5.402	S5.150 S5.402	S5.150 S5.400 S5.402	S5.150 K105A	

## 2500-2670 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
2500-2520 S5.409 S5.410 S5.411 ( ) ( )	2500-2520 S5.409 S5.411 ( ) S5.415 ( ) ( )	2500-2520 S5.409 S5.411 ( ) S5.415 ( ) ( )	2500-2535 ( ) ( )	
S5.403 S5.405 S5.407 S5.408 S5.412 S5.414	S5.403 S5.404 S5.407 S5.414	S5.403 S5.404 S5.407 S5.414 S5.415A		
2520-2655 S5.409 S5.410 S5.411 ( ) S5.413 S5.416	2520-2655 S5.409 S5.411 ( ) S5.415 ( ) S5.413 S5.416	2520-2535 S5.409 S5.411 ( ) S5.415 ( ) S5.413 S5.416 S5.403 S5.415A	K115A S5.403	
S5.339 S5.403 S5.405 S5.408 S5.412 S5.417 S5.418	S5.339 S5.403	2535-2655 S5.409 S5.411 ( ) S5.413 S5.416 S5.339 S5.418	2535-2655 ( )	( ) K115
2655-2670 S5.409 S5.410 S5.411 ( ) S5.413 S5.416 _____( ) _____ _____( )	2655-2670 S5.409 S5.411 ( ) ( ) S5.415 ( ) S5.413 S5.416 _____( ) _____ _____( )	2655-2670 S5.409 S5.411 ( ) S5.415 ( ) S5.413 S5.410 _____( ) _____ _____( )	2655-2670 ( ) ( )	
S5.149 S5.412 S5.417 S5.420	S5.149 S5.420	S5.149 S5.420	K115A S5.420	

## 2670-3300 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
2670-2690  S5.409 S5.410 S5.411 ( ) ( ) _____ ( ) _____ _____( )	2670-2690 S5.409 S5.411 ( ) ( ) S5.415 ( ) ( ) _____ ( ) _____ _____( )	2670-2690 S5.409 S5.411 ( ) S5.415 ( ) ( ) _____ ( ) _____ _____( )	2670-2690  ( ) ( ) _____( ) _____ _____( )	
S5.149 S5.419 S5.420	S5.149 S5.419 S5.420	S5.149 S5.419 S5.420 S5.420A	K115A	
2690-2700	( )  ( )		2690-2700  ( )  ( )	
	S5.340 S5.421 S5.422		S5.340	
2700-2900	S5.337  _____  S5.423 S5.424		2700-2900  S5.337 S5.423 _____	
2900-3100	S5.426  _____  S5.425 S5.427		2900-3100 S5.426 _____  S5.426 S5.427	K125A
3100-3300	_____( ) _____( )  S5.149 S5.428		3100-3300  _____( ) _____( )  S5.149	( ) K126



### 3300-4800 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
3300-3400  S5.149 S5.429 S5.430	3300-3400  _____ _____ _____ S5.149 S5.430	3300-3400  _____ S5.149 S5.429	3300-3400  S5.149	
3400-3600  ( ) _____ _____  S5.431	3400-3500  ( ) _____ _____ S5.433  S5.282 S5.432		3400-3500  ( ) _____ _____  S5.431	( ) K126 K151 3450 MHz( ) ( 5-3)
	3500-3700  ( ) ( ) _____ S5.433		3500-3700  ( ) ( )	M/W K151A K151
3600-4200  ( ) _____	S5.435 3700-4200  ( ) ( )		3700-4200  ( )	K30( 5-4) M/W K151A
4200-4400  S5.437 S5.439 S5.440	S5.438		4200-4400  S5.438  S5.440	K30( 5-4)
4400-4500			4400-4500	M/W K151A
4500-4800	( ) S5.441		4500-4800  ( ) S5.441	M/W K151A

## 4800-5725 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
4800-4990	S5.442 _____ S5.149 S5.339 S5.443		4800-4990 _____ S5.149 S5.339	M/WK151A
4990-5000	( ) _____( ) S5.149		4990-5000 _____ S5.149	M/WK151A
5000-5150	S5.367 S5.444 S5.444A		5000-5090 S5.367	(MLS) K133
5150-5250	( ) S5.447A S5.446 S5.447 S5.447B S5.447C		5090-5250 ( )	
5250-5255	( ) S5.447D S5.448 S5.448A		5250-5255 ( ) S5.447D S5.448A	( )
5255-5350	( ) ( ) S5.448 S5.448A		5255-5350 ( ) ( )	( )
5350-5460	S5.449 ( ) _____ S5.448B		5350-5460 S5.449 ( ) _____ S5.448B	
5460-5470	S5.449 _____		5460-5470 S5.449	
5470-5650	_____ S5.450 S5.451 S5.452		5470-5650 _____ S5.452	K125A
5650-5725	_____ _____( ) S5.282 S5.451 S5.453 S5.454 S5.455		5650-5725 _____ _____ S5.282 S5.452 S5.453	K151

## 5725-7450 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
5725-5830  ( )  S5.150 S5.451 S5.453 S5.455 S5.456	5725-5830  _____  S5.150 S5.453 S5.455		5725-5850  _____  S5.150 S5.453	(LAN) K117 ( 5-2) K151 5750 MHz( ) ( 5-3)
5830-5850 ( )  _____  ( ) S5.150 S5.451 S5.453 S5.455 S5.456	5830-5850  _____ _____( )  S5.150 S5.453 S5.455			
5850-5925  ( )  _____  S5.150	5850-5925  ( )  _____  S5.150	5850-5925  ( )  _____  S5.150	5850-5925  ( )  _____  S5.150	K151
5925-6700  ( )  S5.149 S5.440 S5.458			5925-6700  ( )  S5.440	K151 M/W K151A
6700-7075  S5.441  S5.458 S5.548A S5.548B S5.548C	( ) ( )  S5.441  S5.458 S5.548A S5.548B S5.548C		6700-7075  ( ) ( ) S5.441	K151 M/W K151A
7075-7250  S5.458 S5.459 S5.460			7075-7250  S5.460	K151 M/W K151A
7250-7300  S5.461	( )  S5.461		7250-7300  ( )  S5.461	
7300-7450  ( ) S5.461	( ) ( ) S5.461		7300-7450  ( ) S5.461	

## 7450-8400 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
7450-7550	( ) ( ) ( ) S5.461A		7450-7550  ( ) ( ) S5.461A	
7550-7750	( ) ( )		7550-7750  ( )	M/W K151A
7750-7850	( ) S5.461B ( )		7750-7850  ( ) S5.461B	M/W K151A
7850-7900	( )		7850-7900  ( )	M/W K151A
7900-8025	( )  S5.461		7900-8025  ( )  S5.461	M/W K151A
8025-8175	( )  ( )  S5.462A S5.463		8025-8175  ( )  ( )  S5.462A S5.463	
8175-8215	( )  ( )  S5.462A S5.463		8175-8215  ( ) ( ) ( )  S5.462A S5.463	
8215-8400	( )  ( )  S5.462A S5.463		8215-8400  ( )  ( )  S5.462A S5.463	K140

## 8400 - 10000 MHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
8400-8500	( ) ( )	S5.465 S5.466	8400-8500  ( ) ( )	K140
	S5.467		S5.465	
8500-8550	S5.468 S5.469		8500-8550	
8550-8650	( ) ( )		8550-8650  ( ) ( )	
	S5.468 S5.469 S5.469A		S5.469A	
8650-8750	S5.468 S5.469		8650-8750	
8750-8850	S5.471	S5.470	8750-8850  S5.470	( 8800 MHz)
8850-9000	S5.473	S5.472	8850-9000  S5.472	
9000-9200	S5.471	S5.337	9000-9200  S5.337	
9200-9300	S5.473 S5.474	S5.472	9200-9300  S5.472	
9300-9500	S5.427 S5.474 S5.475	S5.476	9300-9500  S5.476	K125A
9500-9800	S5.476A		9500-9800  ( ) ( )	
9800-10000	S5.477 S5.478 S5.479		9800-10000  S5.477	

## 10-11.7 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
10-10.45  _____	10-10.45  _____	10-10.45  _____	10-10.45	K30( 5-4)
S5.479	S5.479 S5.480	S5.479	S5.479	
10.45-10.5	_____		10.45-10.5	10.457 GHz( ) ( 5-3)
	S5.481		_____	
10.5-10.55	10.5-10.55		10.5-10.55	
10.55-10.6	( )		10.55-10.6	K151
	_____		( )	
10.6-10.68	( )		10.6-10.68	K151
	( )		( )	
	( )		( )	
	_____		_____	
	S5.149 S5.482		S5.149	
10.68-10.7	( )		10.68-10.70	K151
	( )		( )	
			( )	
			( )	
	S5.340 S5.483			
10.7-11.7	10.7-11.7	10.7-11.7	10.7-11.7	M/W K151A K30( 5-4)
( )	( )	( )	( )	
( )	S5.441 S5.484A	S5.441	S5.441	
S5.441 S5.484	( )	( )	( )	
( )				

## 11.7-13.75 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
11.7-12.5  ____( )	11.7-12.1 S5.486 ( ) S5.484A ____( ) S5.485 S5.488	11.7-12.2  ( )	11.7-12.2	K30( 5-4) TV ( 1-4) K151
S5.487 S5.487A S5.492	12.1-12.2 ( ) S5.484A S5.485 S5.488 S5.489	S5.487 S5.487A S5.492	S5.487 S5.487A S5.492	
S5.487 S5.487A S5.492	12.2-12.7  ( )  S5.485 S5.488	12.2-12.5  ( )  S5.484A S5.487 S5.491	12.2-12.5  ( )  S5.487 S5.491	K151B
12.5-12.75  ( )S5.484A ( )  S5.494 S5.495 S5.496	S5.489 12.7-12.75  ( )  ( )  ( )	12.5-12.75  ( ) S5.484A ( )  S5.493	12.5-12.7  ( )  ( )  S5.493	K151B
12.75-13.25	 ( ) S5.441  ____( ) ( )		12.75-13.25  ( )  S5.441	
13.25-13.4	S5.497 ( ) ( )  S5.498A S5.499		13.25-13.40  S5.497  ( ) ( )	
13.4-13.75	 ( )  _____( )		13.4-13.75  ( )  _____( )	
	S5.499 S5.500 S5.501 S5.501A S5.501B		S5.500	

## 13.75-14.5 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
13.75-14	( ) _____ _____	( )	13.75-14           S5.499 S5.500 S5.501 S5.502 S5.503 S5.503A	
14-14.25	( ) S5.484A S5.506 S5.504 _____( ) ( ) _____		14-14.3           S5.506	K151B
14.25-14.3	( ) S5.484A S5.506 S5.504 _____( ) ( ) _____			
14.3-14.4	14.3-14.4 ( ) S5.484A S5.506 _____( ) ( ) _____	14.3-14.4 ( ) S5.484A S5.506 ( ) _____( ) ( )	14.3-14.4           ( ) S5.506	K151B
14.4-14.47	( ) S5.484A S5.506 ( ) _____( ) _____( ) ( )		14.4-14.47           S5.506 ( )	K151B
14.47-14.5	( ) S5.484A S5.506 ( ) _____ _____( ) ( )   S5.149		14.47-14.5           S5.506 ( )   S5.149	K30( 5-4)  12 GHz ( 1-4)



## 14.5-17.7 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
14.5-14.8	( ) S5.510		14.5-14.8	
_____			( ) S5.510	
14.8-15.35			14.8-15.35	
_____			_____	
S5.339			K152	
15.35-15.4	( ) ( )		15.35-15.4	
S5.340 S5.511			( ) ( )	
15.4-15.43	S5.511D		15.4-15.43	
15.43-15.63	( ) ( ) S5.511A S5.511C		15.43-15.63	
			( ) ( )	
15.63-15.7	S5.511D		15.63-15.7	
15.7-16.6	S5.512 S5.513		15.7-16.6	K184
16.6-17.1	_____ ( ) ( ) S5.522 S5.513		16.6-17.1	
			_____ ( ) ( )	
17.1-17.2	S5.512 S5.513		17.1-17.2	
17.2-17.3	( ) ( )		17.2-17.3	
	S5.512 S5.513 S5.513A		( ) ( )	
17.3-17.7	17.3-17.7	17.3-17.7	17.3-17.7	
( ) S5.516 _____	( ) S5.516 _____	( ) S5.516 _____	( ) S5.516	
S5.514	S5.514 S5.515 S5.517	S5.514	S5.515	

## 17.7-20.1 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
17.7-18.1  (            ) S5.484A (            ) S5.516	17.7-17.8  (            ) (            ) S5.516  _____ S5.514 S5.515 S5.517 17.8-18.1  (            ) S5.484A (            ) S5.516	17.7-18.1  (            ) S5.484A (            ) S5.516	17.7-18.1  (            ) (            ) S5.516	M/W K162 (LAN) K162 ( 5-2)
18.1-18.4  (            ) S5.484A (            ) S5.520  S5.519 S5.521			18.1-18.4  (            ) (            ) CATV	M/W K162 , K163 K168
18.4-18.6  (            ) S5.484A			18.4-18.6  (            )	M/W K164 CATV K168
18.6-18.8  (            ) S5.523 (            ) _____ (            ) _____ (            )  S5.522	18.6-18.8  (            ) (            ) S5.523 (            ) (            ) (            )  S5.522	18.6-18.8  (            ) S5.523 (            ) _____ (            ) _____ (            )  S5.522	18.6-18.8  (            ) S5.523 _____ (            ) _____ (            )	K30( 5-4) M/W K164, K166
18.8-19.3  (            ) S5.523A			18.8-19.7  (            )	M/W K162, K164, K166 (LAN) K162 ( 5-2)
19.3-19.7  (            ) (            ) S5.523B S5.523D S5.523C S5.523E				
19.7-20.1  (            ) S5.484A _____ (            )  S5.524	19.7-20.1  (            ) S5.484A (            ) _____ (            ) S5.524 S5.525 S5.526 S5.527 S5.528 S5.529	19.7-20.1  (            ) S5.484A _____ (            )  S5.524	19.7-20.1  (            )  S5.524 S5.525	

## 20.1-23.55 GHz

(1)			(2)		(3)	(4)		(5)
1					3			
20.1-20.2	( )		S5.484A			20.1-20.2		
	( )					( )		
	S5.524	S5.525	S5.526	S5.527	S5.528	S5.524	S5.525	
20.2-21.2	( )		( )			20.2-21.2		
	( )		( )			( )		
	_____		( )			_____		
	S5.524					S5.524		
21.2-21.4	( )					21.2-21.4		
	( )					( )		
	( )					( )		
21.4-22	21.4-22			21.4-22		21.4-22		M/W K176
S5.530				S5.530	S5.531			
22-22.21	( )					22-22.21		K174
	( )					( )		M/W K176
	S5.149					S5.149		
22.21-22.5	( )					22.21-22.5		K30( 5-
	( )					( )		4)
	( )					( )		K174
	( )					( )		
	S5.149	S5.532				S5.149	S5.532	
22.5-22.55						22.5-22.55		
22.55-23.55						22.55-23.55		K174
						M/W K176		
	S5.149					S5.149		

## 23.55-25.25 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
23.55-23.6			23.55-23.6	· K174
23.6-24	( )  ( )  S5.340		23.6-24  ( )  ( )  S5.340	
24-24.05			24-24.05	24.025 GHz( ) ( 5-3)
	S5.150		K40 S5.150	
24.05-24.25	_____ _____( )  S5.150		24.05-24.25  _____( )  S5.150	24.125 GHz( ) K40
24.25-24.45	24.25-24.45	24.25-24.45	24.25-24.45	가 K176A
24.45-24.65	24.45-24.65  S5.533	24.45-24.65  S5.533	24.45-24.65	가 K176A
24.65-24.75	24.65-24.75  ( )	24.65-24.75  S5.533 S5.34	24.65-24.75	가 K176A
24.75-25.25	24.75-25.25 ( ) S5.535	24.75-25.25  ( ) S5.535  S5.534	24.75-25.25  ( )	

## 25.25-29.9 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
25.25-25.5	S5.536 _____ ( )		25.25-25.5  _____ ( )	
25.5-27	S5.536 ( ) S5.536A S5.536B _____ ( )		25.5-27  _____( ) _____ ( )	가 K176A
27-27.5  S5.536	27-27.5  ( )  S5.536 S5.537		27-27.5  ( )	가 K176A
27.5-28.5	( ) S5.539  S5.538 S5.540		27.5-28.5  ( )	
28.5-29.1	( ) S5.484A S5.523A S5.539 _____( ) S5.541 S5.540		28.5-29.5  ( ) _____( )	
29.1-29.5	( ) S5.523C S5.523E S5.535A S5.539 S5.541A  _____( ) S5.541 S5.540			
29.5-29.9 ( ) S5.484A S5.539  _____ ( )  _____ ( ) S5.541	29.5-29.9 ( ) S5.484A S5.539  _____ ( )  _____ ( ) S5.541  S5.525 S5.526 S5.527 S5.529 S5.540 S5.542	29.5-29.9 ( ) S5.484A S5.539  _____ ( )  _____ ( ) S5.541	29.5-29.9 ( ) _____( ) _____ ( )  _____  _____	

## 29.9-32.3 GHz

(1)	(2)	(3)	(4)
1	2	3	5
29.9-30  ( ) S5.484A S5.539 ( ) _____ ( ) S5.541  S5.525 S5.526 S5.527 S5.538 S5.540 S5.542 S5.543	29.9-30  ( ) ( ) _____ ( ) ) _____ _____ S5.538		
30-31  ( ) ( ) _____ ( )  S5.542	30-31  ( ) ( ) _____ ( ) _____ _____		
31-31.3  _____ ( ) _____ S5.544  S5.149 S5.545	31-31.3  _____ ( ) _____ S5.544 S5.149		
31.3-31.5  ( )  ( )  S5.340	31.3-31.5  ( )  ( )  S5.340		
31.5-31.8 ( )  ( )  _____ ( ) _____ ( ) S5.149 S5.546	31.5-31.8 ( )  ( )  _____ ( ) _____ ( ) S5.340	31.5-31.8 ( )  ( )  _____ ( ) _____ ( ) S5.149	
31.8-32  ( ) ( ) S5.547A  S5.547 S5.547B S5.548	31.8-32  ( ) ( ) )		
32-32.3  ( ) ( ) S5.547A  S5.547 S5.547C S5.548	32-32.3  ( ) ( ) )		

### 32.3-38 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
32.3-33	S5.547A  S5.547 S5.547D S5.548		32.3-33	
33-33.4	S5.547A  S5.547 S5.547E		33-33.4	
33.4-34.2	S5.549		33.4-34.2	
34.2-34.7	( ) ( )  S5.549		34.2-34.7  ( ) ( )	
34.7-35.2	_____ S5.550  S5.549		34.7-35.2  _____	
35.2-35.5	S5.549		35.2-35.5	
35.5-36	( )  ( )  S5.549 S5.551A		35.5-36  ( )  ( )  S5.549 S5.551A	
36-37	( )  ( )  S5.149		36-37  ( )  ( )  S5.149	K183A  K30( 5-4)
37-37.5	( )		37-37.5  ( )	K183A
37.5-38	( )  ( )  _____( )		37.5-38  ( )  ( )  _____( )	K183A

### 38-47.2 GHz

(1)			(2)		(3)		(4)		(5)	
1			2		3					
38-39.5			( ) _____( )				38-39.5		K183A  K183	
39.5-40			( )  ( ) _____( )				39.5-40  ( )  ( ) _____( )		K183	
40-40.5			( )  ( )  ( ) _____( )				40-40.5  ( )  ( )  ( ) _____( )			
40.5-42.5	40.5-42.5	40.5-42.5	( ) S5.551B S551E		( ) S5.551B S5.551E		40.5-42.5		가 K176B  K30( 5-4)	
_____  S5.551B S5.551D	_____  S5.551C	_____  S5.551C S5.551F					_____  S5.149			
42.5-43.5			( ) S5.552 ( )				42.5-43.5  ( )  ( )			
43.5-47			S5.553				43.5-47 S5.553			
47-47.2			S5.554				47-47.2		47.1 GHz( ) ( 5-3)	
S5.554							S5.554			



## 47.2-58.2 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
47.2-50.2	( ) S5.552		47.2-50.2	
	S5.149 S5.340 S5.552A S5.555		( )	
			K189 S5.149 S5.340 S5.555	
50.2-50.4	( )		50.2-50.4	
	( )		( )	
	S5.340 S5.555A		( )	
50.4-51.4	( )		50.4-51.4	
	_____ ( )		( )	
			( )	
51.4-52.6			51.4-52.6	
	S5.547 S5.556			
52.6-54.25	( )		52.6-54.25	
	( )		( )	
	S5.340 S5.556		( )	
			S5.340 S5.556	
54.25-55.78	( )		54.25-55.78	
	S5.556A		( )	
	S5.556B			
55.78-56.9	( )		55.78-56.9	
	S5.556A		( )	
	S5.558		S5.556A	
	( )		S5.558	
	S5.547 S5.557		( )	
			S5.547 S5.557	
56.9-57	( )		56.9-57	
	S5.558A		( )	
	S5.558		S5.558A	
	( )		S5.558	
	S5.547 S5.557		( )	
			S5.547 S5.557	
57-58.2	( )		57-58.2	
	S5.556A		( )	
	S5.558		S5.556A	
	( )		S5.558	
	S5.557 S5.547		( )	
			S5.547 S5.557	

## 58.2-74 GHz

(1)	(2)	(3)	(4)
1	2	3	5
58.2-59	( ) ( )  S5.547 S5.556		58.2-59  ( ) ( )  S5.547 S5.556
59-59.3	( ) ( )  S5.556A S5.558 S5.559		59-59.3  ( ) ( )  S5.556A S5.558 S5.559
59.3-64	S5.558 S5.559  S5.138		59.3-64   S5.559  S5.138
64-65	( )  S5.547 S5.556		64-65  ( ) S5.547 S5.556
65-66	( )  S5.547		65-66  ( ) S5.547
66-71	S5.553 S5.558  S5.554		66-71 S5.553 S5.558  S5.554
71-74	( ) ( )  S5.149 S5.556		71-74  ( ) ( )  S5.149

## 74-94.1 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
74-75.5	_____ ) _____ ( )		74-75.5	
75.5-76	_____ ( )		75.5-76	
76-81	_____ _____ _____ ( )  S5.560		76-81	
81-84	( ) ( ) _____ ( )		81-84	
84-86	S5.561		84-86	
86-92	( ) ( ) S5.340		86-92	
92-94	( )  S5.149 S5.556		92-94	
94-94.1	( ) ( )  S5.562		94-94.1	

## 94.1-126 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
94.1-95	( )		94.1-95	
	S5.149 S5.556		( )	
			S5.149 S5.556	
95-100	S5.553		95-100	
	_____		S5.553	
			_____	
	S5.149 S5.554 S5.555		S5.149 S5.554 S5.555	
100-102	( )		100-102	
	( )		( )	
	S5.341		( )	
102-105	( )		102-105	
	S5.341		( )	
105-116	( )		105-116	
	( )		( )	
	S5.340 S5.341		( )	
116-119.98	( )		116-126	
	S5.558		( )	
	( )		S5.558	
	S5.138 S5.341			
119.98-120.02	( )			
	S5.558			
	( )			
	_____			
	S5.138 S5.341			
120.02-126	( )			
	S5.558			
	( )		S5.138	
	S5.138 S5.341			

# 126-156 GHz

(1)	(2)	(3)	(4)
1	2	3	(5)
126-134	S5.558 S5.559		126-134  S5.559
134-142	S5.553  _____		134-142 S5.553  _____
	S5.149 S5.340 S5.554 S5.555		S5.149 S5.340 S5.555
142-144			142-144
			143 GHz( ) ( 5-3)
144-149	_____ _____		144-149  _____ _____
	S5.149 S5.555		S5.149
149-150	( )		149-150  ( )
150-151	( )  ( )  ( )		150-151  ( )  ( )  ( )
	S5.149 S5.385		S5.149 S5.385
151-156	( )		151-156  ( )

## 156-182 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
156-158	( ) ( )		156-158  ( ) ( )	
158-164	( )		158-164  ( )	
164-168	( ) ( )		164-168  ( ) ( )	
168-170			168-170	
170-174.5	S5.558  S5.149 S5.385		170-174.5  S5.149 S5.385	
174.5-176.5	( )  S5.558 ( )  S5.149 S5.385		174.5-176.5  ( )  ( )  S5.149 S5.385	
176.5-182	S5.558  S5.149 S5.385		176.5-182  S5.149 S5.385	

## 182-235 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
182-185	( ) ( ) S5.340 S5.563		182-185 ( ) ( )	
185-190	S5.558 S5.149 S5.385		185-190  S5.149 S5.385	
190-200	S5.553  S5.341 S5.554		190-200 S5.553	
200-202	( ) ( ) S5.341		200-202 ( ) ( )	
202-217	( )  S5.341		202-217 ( )	
217-231	( ) ( ) S5.341 S5.340		217-231 ( ) ( )	
231-235	( )  _____		231-235 ( )  _____	

## 235-400 GHz

(1)	(2)	(3)	(4)	(5)
1	2	3		
235-238	( ) ( ) ( )		235-238 ( ) ( ) ( )	
238-241	( )  _____		238-241 ( )  _____	
241-248	_____ _____  S5.138		241-248  _____ _____  S5.138	
248-250			248-250	
250-252	( ) ( )  S5.149 S5.555		250-252 ( ) ( )  S5.149 S5.555	
252-265	902   S5.149 S5.385 S5.554 S5.555 S5.564		252-265 902   S5.149 S5.385 S5.554 S5.555	
265-275	( )   S5.149		265-275 ( )   S5.149	
275-400	S5.565		275-400   S5.565	