

**TABLE OF UHF FREQUENCIES FOR ONBOARD COMMUNICATION IN CEPT COUNTRIES (as per 09.01.2014)**

Country	Frequency (MHz)	International allocation RR 5.287	National allocation (allowed for visiting ships)	Channel spacing (kHz)	Max output power (ERP) (W)	Simplex (S)	Duplex (D)	Remarks/other requirements	Additional Information (URL)
<b>Belgium</b>	457,550 467,525	X		25	2W	S		For Belgian Ships: SSL must refer to allowed UHF frequencies. Ships from abroad: SSL is OK	<a href="http://www.bipt.be/public/files/en/20401/communication_on+board_zeesche_pen_engels.pdf">http://www.bipt.be/public/files/en/20401/communication_on+board_zeesche_pen_engels.pdf</a>
	467,5375	X		12.5	2W	S		Idem	
<b>Croatia</b>	457.525 457.550 457.575 467.525 467.550 467.575	X	X	25	2W	S	D	Ship Station Licence must refer to UHF use	<a href="http://tablice.hakom.hr:8280/vis?lang=hr">http://tablice.hakom.hr:8280/vis?lang=hr</a>
	457.5375 457.5625 467.5375 467.5625	X	X	12.5	2W	S	D	Ship Station Licence must refer to UHF use	<a href="http://tablice.hakom.hr:8280/vis?lang=hr">http://tablice.hakom.hr:8280/vis?lang=hr</a>
<b>Republic of Cyprus</b>	457.525- 457.575 MHz	X						Maritime on board communications	ERC REC T/R 32-02, EN 300 720 or equivalent standard
	467.525- 467.575 MHz	X						Maritime on board communications	ERC REC T/R 32-02, EN 300 720 or equivalent standard
<b>Czech Republic</b>	N/A							VHF frequencies are used on inland waterways in the Czech Republic. Impact of land mobile networks operated on territory of the Czech Republic in these bands on onboard communications is excluded by distance.	Recreation boats at sea use also VHF. There are no commercial oceangoing vessels under the Czech flag since 2000.

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Denmark	457.525 457.550 457.575 467.525 467.550 467.575	X		25 and 12.5	2w	S	D	Licence exempt i Denmark when used on board ships with a Ship Station Licence. Technical characteristics according Rec ITU-R M.1174	In addition we have issued a small number of licenses to shipyards etc
	457.5375 457.5625 467.5375 467.5625	X		12.5	2w	S	D	Licence exempt i Denmark when used on board ships with a Ship Station Licence Technical characteristics according Rec ITU-R M.1174	In addition we have issued a small number of licenses to shipyards etc.
Estonia	457.525 457.550 457.575 467.525 467.550 467.575	X	X	25	1 - 4 W		D		<a href="http://www.tja.ee">www.tja.ee</a> <a href="mailto:info@tja.ee">info@tja.ee</a>
Finland	457.525 457.550 457.575 467.525 467.550 467.575	X		25	2W	S	D	Ship Station Licence must refer to UHF use Only for onboard communication See notes 1 and 2	WEB-pages under review New address to be issued later
	457.5375 457.5625 467.5375 467.5625	X		12.5	2W	S	D	Ship Station Licence must refer to UHF use. Only for onboard communication See notes 1 and 2	WEB-pages under review New address to be issued later
	458.600 458.625 458.725 458.800		X	25	1W	S		For passenger vessels only For onboard communication only. For simplex mode only	WEB-pages under review New address to be issued later
	457.600		X	25	2W	S	D	For voice communication only See notes 1 and 3	WEB-pages under review New address to be issued later
	467.600		X	25	2W	S	D	For voice communication only See notes 1 and 3	WEB-pages under review New address to be issued later

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France	457.525	X	457.525	25	2W	S	D	Solely the frequencies quoted in N°5.287 are authorized for on-board communications in France using the characteristic describes in Rec. ITU-R M.1174-2	<a href="http://www.anfr.fr">www.anfr.fr</a>
	457.550		457.550	25	2W	S	D		
	457.575		457.575	25	2W	S	D		
	467.525		467.525	25	2W	S	D		
	467.550		467.550	25	2W	S	D		
	467.575		467.575	25	2W	S	D		
	457.5375		457.5375	12.5	2W	S	D		
	457.5625		457.5625	12.5	2W	S	D		
	467.5375		467.5375	12.5	2W	S	D		
467.5625	467.5625	12.5	2W	S	D				
Hungary	—							In Hungary no frequencies are allocated in the UHF band for onboard communications.	Earlier UHF frequencies were allocated for inland waterways onboard communications but it is no demand for these applications at present.
Ireland	As per International allocation RR 5.287		As per International allocation RR 5.287. (Visiting ships must operate on a non-interference basis)	As per International allocation on RR 5.287	As per International allocation RR 5.287			All vessels using UHF for on-board communications must note this on their application for Ships Radio Licence. The licence is approved if the equipment is within the ITU frequency allocations for on-board UHF communications.	International allocation RR 5.287 does not interfere with any licenced shore based stations in Ireland.
Italy	457.525 457.550 457.575 467.525 467.550 467.575	X		25	2W	S	D	See note 4	<a href="http://www.sviluppoeconomico.gov.it">www.sviluppoeconomico.gov.it</a>
	457.5375 457.5625 467.5375 467.5625	X		12.5	2W	S	D	See note 4	<a href="http://www.sviluppoeconomico.gov.it">www.sviluppoeconomico.gov.it</a>

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Latvia	457.525 457.550 457.575 467.525 467.550 467.575	X		25	2W	S	D	Ship Station Licence must refer to UHF use Only for onboard communication See notes 1 and 2	
	457.5375 457.5625 467.5375 467.5625	X		12.5	2W	S	D	Ship Station Licence must refer to UHF use Only for onboard communication See notes 1 and 2	
Lithuania	457.525 457.550 457.575 467.525 467.550 467.575	X		25	2			Only for onboard communication. In the case of equipment installed at a fixed point on the ship, the height of its antenna should not be more than 3.5 m above the level of the bridge Radio frequencies may be used without an individual authorization.	EN 300 720 ERC REC T/R 32-02 ITU-R M.1174
	457.5375 457.5625 467.5375 467.5625	X		12.5	2				
Luxembourg	457.525 457.550 457.575 467.525 467.550 467.575	X		25	2W	S	D	Ship Station Licence must refer to UHF use. Only for onboard communication not in use for inland waterways	<a href="http://www.ilr.lu">www.ilr.lu</a>
	457.5375 457.5625 467.5375 467.5625	X		12.5	2W	S	D	Ship Station Licence must refer to UHF use. Only for onboard communication not in use for inland waterways	<a href="http://www.ilr.lu">www.ilr.lu</a>
Malta	457.525 457.550 457.575 467.525	X		X		2W	X	X	The SSL (SOLAS) covers all the radiocommunications equipment installed onboard Maltese ships.

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	467.550 467.575								
<b>Montenegro (MNE)</b>	457.525 457.550 457.575 467.525 467.550 467.575	X	x	25	2	X	x		
	457.5375 457.5625 467.5375 467.5625	x		12.5	2	x	X		
<b>The Netherlands</b>	457.525 457.550 457.575 467.525 467.550 467.575	x	x	25	2W	x	x	Sea usage allowed cf. RR 5.287 On Inland waterways only on Dutch territory	
	457.5375 457.5625 467.5375 467.5625	x	x	12.5	2W	x	X		
<b>Norway</b>	457.525 457.550 457.575 467.525 467.550 467.575	X		25	2W	S	D	Ship Station Licence must refer to UHF use Only for onboard communication See notes 1 and 2	In addition we have issued a small number of licenses to shipyards etc.
	457.5375 457.5625 467.5375 467.5625	X		12.5	2W	S	D	Ship Station Licence must refer to UHF use Only for onboard communication See notes 1 and 2	In addition we have issued a small number of licenses to shipyards etc.
<b>Portugal</b>	457.550 457.575 467.550	X		25	2	X	X	Ship Station Licence must refer to allowed UHF	National Table of Frequency Allocations <a href="http://www.anacom.pt/render.jsp?conten">http://www.anacom.pt/render.jsp?conten</a>

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	467.575							frequencies. See notes 1 and 2	<a href="#">tld=1130054</a>
	457.5375 457.5625 467.5375 467.5625	X		12.5	2	X	X	Ship Station Licence must refer to allowed UHF frequencies. See notes 1 and 2	National Table of Frequency Allocations  <a href="http://www.anacom.pt/render.jsp?contentId=1130054">http://www.anacom.pt/render.jsp?contentId=1130054</a>
<b>Romania</b>	-	-	-	-	-	-	-	In Romania UHF frequencies for on-board communications are not allowed for mobile maritime service (also for visiting ships which are supposed to switch off all radio equipment using UHF frequencies during their visit).	For Inland Waterways, mixed areas (maritime/Inland Waterways) and harbor areas in Romania it is allowed the usage of VHF channels 15 and 17 with transmitting power of 1 W for on-board communications. We consider that for the time being the usage of these 2 VHF channels is enough to accommodate this activity at least inside of our national waters.
<b>Russia*</b>	457.525 457.550 457.575 467.525 467.550 467.575	X	-	25	2	S	D	-	
	457.5375 457.5625 467.5375 467.5625	X	-	12.5	2	S	D	-	
<b>Serbia (see comments below)</b>									
<b>Slovak Republic</b>	457.525 457.550 457.575 457.600	X		25	10		D	Frequencies 457.525 MHz, 457.550 MHz and 457.575 MHz are allocated for Railway transportation.	The band 457.39 - 458.47 MHz railway application; duplex +10 MHz; raster 25 kHz; from 1.1.2015 planned 12.5 kHz raster only.
	457.525 457.550	X		25	2W	S	D	Ship Station Licence must refer to UHF use	<a href="http://www.apek.si">www.apek.si</a>

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	457.575 467.525 467.550 467.575							Only for onboard communication See notes 1 and 5	
	457.5375 457.5625 467.5375 467.5625	X		12.5	2W	S	D	Ship Station Licence must refer to UHF use Only for onboard communication See notes 1 and 5	<a href="http://www.apek.si">www.apek.si</a>
<b>Spain</b>									These frequency bands are only used by railway communications in Spain
	457.525 457.550 457.575 467.525 467.550 467.575	X		25	2W	S	D	Not included in general SSL. Need to be applied for explicitly and is stated in the Ship Station Licence. Only for onboard communication See notes 1 and 2	<a href="http://www.pts.se">www.pts.se</a>
<b>Sweden</b>	457.5375 457.5625 467.5375 467.5625	X		12.5	2W	S	D	Automatically included in case above on-board frequencies are applied for.	<a href="http://www.pts.se">www.pts.se</a>
<b>Switzerland</b>								No further proposals, Switzerland is not directly concerned.	
<b>Turkey</b>								There is no usage in Turkey for UHF on board communication.	
<b>Ukraine</b>									In accordance with footnote Y043 of Ukrainian frequency allocation table, the frequencies 457.525 MHz, 457.550 MHz, 457.575 MHz, 467.525 MHz, 467.550 MHz and 467.575 MHz are designated for UHF on-board

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									communications in the international waters. In the National Plan of Radio frequency resource usage these frequencies are not defined for UHF on-board communication. There is no information about frequency assignments at these frequencies in the UCRF database and there are no permissions issued for these frequencies at the present time.
United Kingdom – Ships Radio Licence	457.525 457.550 457.575 467.525 467.550 467.575	X		25		2W	X	X	Ship Station Licence must refer to UHF use. Only for onboard communication See notes 1 and 2
	457.5375 457.5625 467.5375 467.5625	X		12.5	X	2W	X	X	Ship Station Licence must refer to UHF use. Only for onboard communication See notes 1 and 2
United Kingdom Scanning Telemetry	457.525 457.550 457.575				X Interleave d with below. 6,25 kHz offset	250W		X See note 6	Base Station transmit frequencies for Scanning Telemetry systems. EIRP output is assigned but will not exceed 250 W (24 dBW). Should not be assigned near coast or estuaries

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	457.5375 457.5625				X Interleave d with above. 6.25 kHz offset	250W		X See note 6	Base Station transmit frequencies for Scanning Telemetry systems. EIRP output is assigned but will not exceed 250 W (24 dBW). Should not be assigned near coast or estuaries
<ul style="list-style-type: none"> <li>• <b>Note 1 (FIN, LVA, POR, N, SVN, S, UK):</b> Duplex separation shall be 10 MHz, if duplex mode is used.</li> <li>• <b>Note 2 (FIN, LVA, POR, N, SVN, S, UK):</b> If frequencies are used in a repeater or base stations onboard, the transmitting frequency of the repeater or base station <u>shall be in the LOWER frequency</u> (for example transmitter frequency 457.525 MHz and receiver frequency 467.525 MHz) (Rec ITU-R M.1174).</li> <li>• <b>Note 3 (FIN):</b> When using the frequencies 457.600 and 467.600 MHz in a repeater or base stations onboard, the transmitting frequency of the repeater or base station <u>shall be in the UPPER frequency</u> (transmitter in 467.600 MHz and receiver in 457.600 MHz).</li> <li>• <b>Note 4 (I):</b> In territorial waters it is allowed the use of frequencies 457.550 MHz and 467.550 MHz with 12.5 kHz channeling while the use of other frequencies is permitted on non-interference basis with radio services operating according to the National table of Frequency Allocation. The characteristics of the equipment used shall be compliant to the specifications given in Recommendation ITU-R M.1174</li> <li>• <b>Note 5 (SVN):</b> If frequencies are used in a repeater or base stations onboard, the transmitting frequency of the repeater or base station shall be in the Lower_frequency (Rec ITU-R M.1174).</li> <li>• <b>Note 6 (UK):</b> Duplex separation for Out Station transmit in 5.5 MHz above base station transmit.</li> </ul> <p>* <b>Note (Rus):</b> Frequencies for on board communications are used according to Rec. ITU-R M.1174</p>									
*In Spain, these bands are not used for maritime on board communications, because we have found several interference problems to the railway <b>communications near the harbours.</b>									