

## Frequency Allocations for Amateur Radio Use in Israel

Footnotes ITU-R Radio Regulations M.O.C notes	TYPE OF EMISSION	POWER (WATTS)			STATUS	FREQUENCY RANGE	WAVE-LENGTH	RANGE
		CLASS C	CLASS B	CLASS A				
	SSB/AM/DATA/MORSE	NONE	250	1500	PRIMARY	KHZ 1810 TO 1850	160 M	MF
	SSB/DATA/MORSE	NONE	10	10	SECONDARY	KHZ 1850 TO 2000		
	SSB/AM/DATA/MORSE	100	250	1500	SECONDARY	KHZ 3500 TO 3800	80 M	HF
Operating notes – see Appendix B	SSB/AM/DATA/MORSE	NONE	25	25	SECONDARY	KHZ 5351.5 TO 5366.5	60 M	
Global + Satellite communication	SSB/AM/DATA/MORSE	100	250	1500	PRIMARY	KHZ 7000 TO 7100	40 M	
Global	SSB/AM/DATA/MORSE	NONE	250	1500	PRIMARY	KHZ 7100 TO 7200	30 M	
Global	DATA/MORSE	NONE	250	1000	SECONDARY	KHZ 10100 TO 10150		
Global + Satellite communication (CLASS C – NO SATELLITE USE)	SSB/AM/DATA/MORSE	100	250	1500	PRIMARY	KHZ 14000 TO 14120	20 M	
Satellite communication	SSB/AM/DATA/MORSE	NONE	250	1500	PRIMARY	KHZ 14120 TO 14250	17 M	
GLOBAL	SSB/AM/DATA/MORSE	NONE	250	1500	PRIMARY	KHZ 14250 TO 14350		
Satellite communication	SSB/DATA/MORSE	NONE	250	1000	SECONDARY	KHZ 18068 TO 18168	15 M	
Satellite communication	SSB/AM/DATA/MORSE	100	250	1500	PRIMARY	KHZ 21000 TO 21150	12 M	
	SSB/AM/DATA/MORSE	NONE	250	1500	PRIMARY	KHZ 21150 TO 21450		
Satellite communication	SSB/AM/DATA/MORSE	NONE	250	1000	SECONDARY	KHZ 24890 TO 24990	10 M	
Satellite communication	SSB/FM/AM/DATA/MORSE	100	250	1500	PRIMARY	KHZ 28000 TO 28500		
		NONE	250	1500	PRIMARY	KHZ 28500 TO 29700	6 M	
	SSB/DATA/MORSE	25	25	25	SECONDARY	MHZ 50 TO 50.4		
	SSB/FM/DATA/MORSE	100	100	100	SECONDARY	MHZ 70 TO 70.5	4 M	VHF
Satellite communication (Class A allowed 1000w SSB)	SSB/FM/AM/DATA/MORSE	25	150	250/1000	PRIMARY	MHZ 144 TO 146	2 M	
	SSB/FM/AM/DATA/MORSE	25	150	250	SECONDARY	MHZ 430 TO 440	70 CM	UHF
ERC REPORT 25 ITU-R SA 1260-1	Telemetry and satellite comms	25	150	250	SECONDARY	MHZ 435 TO 438		
Satellite communication only (10kHz bandwidth only)	SSB/FM/AM/DATA/MORSE	NONE	NONE	25	SECONDARY	MHZ 1260 TO 1270	23 CM	
	SSB/FM/AM/DATA/MORSE	NONE	15	15	SECONDARY	MHZ 2320 TO 2340	13 CM	
	SSB/FM/AM/DATA/MORSE	NONE	100	100	SECONDARY	MHZ 2400 TO 2402		
Satellite communication only	SSB/FM/AM/DATA/MORSE	NONE	0.1	0.1	SECONDARY	MHZ 2402 TO 2450		
Satellite communication (uplink) only 5 kHz bandwidth, 60-120cm dish	SSB/FM/AM/DATA/MORSE	NONE	NONE	50	SECONDARY	MHZ 5650 TO 5670	5 CM	SHF
Satellite communication only (downlink)	SSB/FM/AM/DATA/MORSE	NONE	NONE	0.2	SECONDARY	MHZ 5830 TO 5850		
FOOTNOTE 5.479	SSB/FM/AM/DATA/MORSE	NONE	NONE	0.1	SECONDARY	GHZ 10 TO 10.45	3 CM	
Satellite communication only - 5 kHz bandwidth, 60-120cm dish	SSB/FM/AM/DATA/MORSE	NONE	25	100	SECONDARY	GHZ 10.45 TO 10.5		
GLOBAL + SATELLITE COMMUNICATION	SSB/FM/AM/DATA/MORSE	NONE	15	100	PRIMARY	GHZ 24 TO 24.05	1.2 CM	
	SSB/FM/AM/DATA/MORSE	NONE	NONE	100	SECONDARY	GHZ 24.05 TO 24.25		
Global + Satellite communication	SSB/FM/AM/DATA/MORSE	NONE	15	100	PRIMARY	GHZ 47 TO 47.2	6 mm	EHF
Global + Satellite communication	SSB/FM/AM/DATA/MORSE	NONE	15	100	SECONDARY	GHZ 76 TO 77.5	4 mm	
Global + Satellite communication	SSB/FM/AM/DATA/MORSE	NONE	NONE	100	PRIMARY	GHZ 81 TO 77.5		
Global + Satellite communication	SSB/FM/AM/DATA/MORSE	NONE	15	100	SECONDARY	GHZ 77.5 TO 81	1 mm	
Global + Satellite communication	SSB/FM/AM/DATA/MORSE	NONE	NONE	100	SECONDARY	GHZ 241 TO 248		
Global + Satellite communication	SSB/FM/AM/DATA/MORSE	NONE	15	100	PRIMARY	GHZ 248 TO 250		

FREQUENCIES IN THIS TABLE ARE INTENDED FOR COMMUNICATION BETWEEN RADIO AMATEURS AND NOT FOR ANY OTHER USE SUCH AS POINT-TO-POINT AMATEUR VOICE COMMUNICATIONS BY SATELLITE ARE PERMITTED ONLY WHERE INDICATED IN THE TABLE. IN ACCORDANCE WITH THE DECISION OF THE FREQUENCY COMMITTEE [OF THE MINISTRY OF COMMUNICATIONS] NUMBER 2020.5, DATED 18/10/2020, REFERENCE 5000-2071-2020-382647, THE COMMITTEE ALLOCATES THE FREQUENCY BANDS IN THE ABOVE TABLE.

THIS TABLE APPEARS IN APPENDIX C IN THE LICENSE OF AUTHORIZED RADIO AMATEURS. VALID TO 18/10/2035, UNLESS OTHERWISE DETERMINED BY THE FREQUENCY COMMITTEE.

AMATEURS ARE RESPONSIBLE TO KEEP UP TO DATE WITH ANY CHANGES USING THE AMATEUR RADIO SERVICE PAGE OF THE MINISTRY OF COMMUNICATIONS WEBSITE <https://www.gov.il/en/service/radio-amateurs-certificates>

### APPENDIX A – NOTES FOR TABLE



#### NOTES, DEFINITIONS AND EXPLANATIONS

	POWER
שיטות השידור המותרות: • ;A1A Morse • ;F1A, F1B, F1D, F1E, F1F, F2A, F2B, F2D, F2E, J2A, J2B, J2D, J2E, J2F –Amateur Radio Data • ;A3A – AM • ;F3E – FM • ;J3E, R3E – SSB • Digital • In accordance with ITU-R Radio Regulations 2 Appendix 1	TYPE OF EMISSION
AS DEFINED BY INTERNATIONAL RADIO REGULATIONS (ITU-R RADIO REGULATIONS)	PRIMARY STATUS
AS DEFINED BY INTERNATIONAL RADIO REGULATIONS (ITU-R RADIO REGULATIONS)	SECONDARY STATUS
IN ADDITION TO REGULAR COMMUNICATIONS, THIS BAND MAY ALSO BE USED FOR AMATEUR SATELLITE COMMUNICATION	SATELLITE COMMUNICATIONS
THE EUROPEAN TABLE OF FREQUENCY ALLOCATION AND APPLICATIONS IN THE FREQUENCY RANGE 8.3 kHz TO 3000 GHz (ECA TABLE)	ERC REPORT 25

#### ABBREVIATIONS/UNITS

Amateur satellite communication is permitted on these bands ,SATELLITE COMMUNICATIONS	SATELLITE COMMUNICATIONS
METER	M
CENTIMETER	CM
MILLIMETER	MM
HERTZ 10 <sup>3</sup> – KILOHERTZ	KHZ
HERTZ 10 <sup>6</sup> - MEGAHERTZ	MHZ
HERTZ 10 <sup>9</sup> – GIGAHERTZ	GHZ
HIGH FREQUENCY	HF
VERY HIGH FREQUENCY	VHF
ULTRA HIGH FREQUENCY	UHF
SUPER HIGH FREQUENCY	SHF
EXTREMELY HIGH FREQUENCY	EHF

## APPENDIX B – TERMS FOR USE OF 60M BAND – 5351 TO 5366 KHZ



### 1. TERMS OF USE

USER	TECHNICAL DATA	FREQUENCY BAND
CERTIFIED RADIO AMATEUR (M.O.C LICENSE CLASS A+B ONLY)	MAXIMUM TRANSMITTED POWER 25 WATTS. USE THE MINIMUM POSSIBLE POWER TO ESTABLISH RELIABLE COMMUNICATION EMISSION TYPES: SSB (USB), CW, PSK31- 125, RTTY (45 BAUD, 170Hz SHIFT), AFSK USING USB IN ACCORDANCE WITH THE TERMS OF OPERATION. BANDWIDTH APPROX 3kHz IN ACCORDANCE WITH THE TERMS OF OPERATION	5351.5 TO 5366.5 KHz

### 2. TERMS OF OPERATION

- 2.1 WORKING FREQUENCY IS THE DIAL FREQUENCY IN USB MODE, BANDWIDTH 3kHz
- 2.2 SOME CHANNELS PERMIT THE USE OF MORE THAN ONE MODE AT ANY TIME TO ALLOW EFFICIENT USE OF SPECTRUM
- 2.3 THE FOLLOWING MODES ARE ALLOWED: USB, RTTY (45 BAUD, 170Hz SHIFT), PSK31-PSK125, CW, (RTTY AFSK WILL USE USB)
- 2.4 SIGNAL BANDWIDTH SHALL NOT EXCEED:
  - 2.4.1 USB 2.8kHz
  - 2.4.2 RTTY 300Hz
  - 2.4.3 CW 150Hz
  - 2.4.4 PSK31 60Hz
  - 2.4.5 PSK63 125Hz
  - 2.4.6 PSK125 250Hz
- 2.5 RTTY/PSK AUDIO SHOULD BE IN THE MIDDLE OF THE CHANNEL, BUT MAY USE A RANGE OF DIAL FREQUENCY+150Hz TO DIAL FREQUENCY+2650Hz (TOTAL 2500Hz)
- 2.6 CW TRANSMISSIONS MUST BE IN THE CENTER OF THE CHANNEL (USB DIAL FREQUENCY PLUS ANOTHER 1500Hz)
- 2.7 AVOID LONG TRANSMISSIONS OR CQ CALLS
- 2.8 DO NOT TRANSMIT AND RECEIVE ON SPLIT FREQUENCIES, EITHER WITHIN THE BAND OR CROSS-BAND, IE SIMPLEX ONLY. SPLIT OPERATION IS FORBIDDEN