Frequency	Region	Use	Use	INMARSAT-C LES number	LESO location (GES)	Inm C: LESO identification
Frequency	Region	Use	Use	AERO GES number (OCT)	GES location	AERO: Global or spot beam
1537.7000	AORW	Inmarsat-C	NCS	044	Laurentides, CA	AORW NCS
1539.5050	AORE	Inmarsat-C	Tfc	112	Burum, NL(Burum)	"NL BURUM LES"
1539.5250	AORW	Inmarsat-C	Tfc	021	Vizada-Aussguel, FR(Laurentides)	"ASG 21 LES"
1539.5450	AORW	Inmarsat-C	Tfc	001	Vizada-Southbury, CT (Laurentides)	……
1539.5550	AORW	Inmarsat-C	Tfc	002	Stratus Global-Burum, NL(Laurentides)	"STRATOS CSAT"
1539.5650	AORW	Inmarsat-C	Tfc	004	Vizada-Eik, NO(Laurentides)	"Eik LES"
1539.5850	AORW	Inmarsat-C	Tfc	012	Burum, NL(Laurentides)	"NL BURUM LES "
1539.5950	AORE	Inmarsat-C	Tfc	104	Vizada-Eik, NO(Burum)	"Eik LES"
1539.6150	AORE	Inmarsat-C	Tfc	102	Stratus Global-Burum, NL(Burum)	"STRATOS CSAT"
1539.6350	AORE	Inmarsat-C	Tfc	103	KDDI-Yamaguchi, JP(Burum)	"KDDI YAM"
1539.6650	AORE	Inmarsat-C	Tfc	101	Vizada-Southbury, CT (Eik, NO)(Burum)	AORE NCS
1539.6750	AORE	Inmarsat-C	Tfc	121	Vizada-Aussaguel, FR(Burum)	"ASG 21 LES"
1539.6850	AORW	Inmarsat-C	Tfc	003	KDDI-Yamguchi, JP(Laurentides)	"KDDI YAM"
1541.4500	AORE	Inmarsat-C	NCS	144	Burum, NL(Burum)	AORE NCS
1541.5050	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1541.5100	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1541.5150	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1541.5200	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1541.5250	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1541.5300	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1541.5350	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1541.5400	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1542.4475	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1542.8100	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Global beam
1542.8275	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Global beam
1542.8450	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Global beam
1542.8625	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Global beam
1542.8800	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Global beam
1542.9375	AMER	Aero voice(8400)	C-Chan	(ARINC & SITA) 320	Paumalu, HI	Global beam
1542.9425	AMER	Aero voice(8400)	C-Chan	(ARINC & SITA) 320	Paumalu, HI	Global beam
1542.9475	AMER	Aero voice(8400)	C-Chan	(ARINC & SITA) 320	Paumalu, HI	Global beam
1542.9525	AMER	Aero voice(8400)	C-Chan	(ARINC & SITA) 320	Paumalu, HI	Global beam

1542.9575	AMER	Aero voice(8400)	C-Chan	(ARINC & SITA) 320	Paumalu, HI	Global beam
1542.9750	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Global beam
1542.9775	AORW	Aero voice(8400)	C-Chan	(ARINC/SITA) 002/005	Laurentides, CA	Global beam
1542.9800	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Global beam
1542.9825	AORW	Aero voice(8400)	C-Chan	(ARINC/SITA) 002/005	Laurentides, CA	Global beam
1542.9850	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Global beam
1542.9875	AORW	Aero voice(8400)	C-Chan	(ARINC/SITA) 002/005	Laurentides, CA	Global beam
1542.9925	AORW	Aero voice(8400)	C-Chan	(ARINC/SITA) 002/005	Laurentides, CA	Global beam
1542.9975	AORW	Aero voice(8400)	C-Chan	(ARINC/SITA) 002/005	Laurentides, CA	Global beam
1543.0750	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1543.4025	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1543.4125	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1543.4175	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1543.4225	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1543.4275	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1543.4325	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1543.4375	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1545.0150	AORE	Aero-L(600)	Psmc1	(SITA) 103	Burum, NL	Global beam
1545.0200	AORW	Aero-L(600)	Psmc1	(SITA) 005	Laurentides, CA	Global beam
1545.0300	AORE	Aero-L(600)	P-Chan	(SITA) 103	Burum, NL	Global beam
1545.0500	AORW	Aero-L(600)	P-Chan	(SITA) 005	Laurentides, CA	Global beam
1545.0600	AMER	Aero-L(600)	P-Chan	(ARINC & SITA) 320	Paumalu, HI	Global beam
1545.0650	AMER	Aero-L(600)	P-Chan	(ARINC & SITA) 320	Paumalu, HI	Global beam
1545.0750	AMER	Aero-L(1200)	P-Chan	(ARINC & SITA) 320	Paumalu, HI	Global beam
1545.0800	AORW	Aero-L(600)	P-Chan	(SITA) 005	Laurentides, CA	Global beam
1545.0850	AMER	Aero-L(600)	P-Chan	(ARINC & SITA) 320	Paumalu, HI	Global beam
1545.0900	AORW	Aero-L(600)	P-Chan	(SITA) 005	Laurentides, CA	Global beam
1545.1000	AORW	Aero-L(600)	P-Chan	(ARINC) 002	Laurentides, CA	Global beam
1545.1100	AMER	Aero-L(600)	Psmc1	(ARINC & SITA) 320	Paumalu, HI	Global beam
1545.1700	AORW	Aero-L(600)	P-Chan	(ARINC) 002	Laurentides, CA	Global beam
1545.1750	AORW	Aero-L(600)	P-Chan	(ARINC) 002	Laurentides, CA	Global beam
1545.1950	AORE	Aero-L(600)	Psmc2	(ARINC) 104	Burum, NL	Global beam
1545.2050	AORW	Aero-L(600)	Psmc2	(ARINC) 002	Laurentides, CA	Global beam
1546.0050	AMER	Aero-H+ (10500)	P-Chan	(ARINC & SITA) 320	Paumalu, HI	Global beam

1546.0200	AMER	Aero-H+ (10500)	P-Chan	(ARINC & SITA) 320	Paumalu, HI	Global beam
1546.0550	AORE	Aero-H+ (10500)	P-Chan	(ARINC) 104	Burum, NL	Global beam
1546.0625	AORW	Aero-H+ (10500)	P-Chan	(ARINC) 002	Laurentides, CA	Global beam
1546.0700	AORE	Aero-H+ (10500)	P-Chan	(SITA) 103	Burum, NL	Global beam
1546.0775	AORW	Aero-H+ (10500)	P-Chan	(SITA) 005	Laurentides, CA	Global beam
1546.8225	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1546.8275	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1546.8325	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1546.8375	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1546.8425	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1546.8475	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1546.8525	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1546.8575	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1547.4125	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1547.4175	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1547.4225	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1547.4275	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1547.4325	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1547.4375	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1547.4425	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1549.7800	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1549.7850	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1549.7900	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1549.7950	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1550.4225	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1550.4325	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1550.4375	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam
1550.4425	AORE	Aero voice(8400)	C-Chan	(SITA/ARINC) 103/104	Burum, NL	Spot beam

Regions and L-Band INMARSAT satellites receivable in eastern United States and Canada
NOTE: Some of the spot beams from these satellites will not be receivable at a given location.

AMER (Americas) Region
INMARSAT 4-F3 (NORAD: 33278, Cospar number: 2008-0039A, "Call sign": S2932) near 98° W
Beams: 1 global, 19 wide spot beams, 228 narrow spot beams. Aero data states Beam 0 (Global) and all 19 wide spot beams can be used but no further information other that frequencies in use is known at the moment.
AOR-E (Atlantic Ocean Region East) Region
INMARSAT 3-F5 (NORAD: 25153, Cospar number: 1998-006B, "Call sign": S2949) near 54° W
Beams: 1 global, 7 wide spot beams. Aero data indicates Beam 0 (Global) and wide beams Beams 1, 3-7 (not wide spot Beam 2) can be used but only Global Beam seems to be in use at this time.
AOR-W (Atlantic Ocean Region West) Region
This is a virtual satellite on the AMER Region satellite (using the global and synthesized spot beams on that satellite).

Remarks:

1. As part of INMARSAT "harmonization" several years ago, uplinks normally now go through INMARSAT's own GES (Ground Earth Station) with LESO (Land Earth Station Operators) linked to them at other locations. The GES IDs were not changed for legacy hardware/software reasons. This allows more efficient use of frequencies and better coordination.

2. As part of INMARSAT migration in 2019, INMARSAT ATL-W communications moved onto the INMARSAT AMER satellite near 98° W as a virtual satellite. The satellite near 54°W became the ATL-E satellite.

3. INMARSAT D+/IsatM2M services (in my earlier lists) have been terminated.

4. INMARSAT GES/LES/LESO is best given in their original octal form rather than hexadecimal. In octal form the first digit of three digits indicates the region. If using software giving HEX for the GES/LES, convert as in this example: 44 HEX=0100 0100 BIN or 01 000 100 BIN=104 OCT.

5. Some have reported that INMARSAT Aero C-channel (voice) uses bands rather than channels. This is false. It uses the normal 2.5 kHz channel spacing with channels too close to others due to the bandwidths not being used. Note, the otherwise excellent program JAERO inadvertently rounds off those frequencies in places (C-channel info) leading one to not accurately know the frequency and perhaps leaving one to wrongly think there is a band rather than actual frequencies being assigned to the communication.

6. There is outdated info on the web listing frequencies long dropped and other outdated/wrong information (even at major web sites). Info here is current as of August 2022.