Space objects	BulgariaSat-1	ENDUROSAT ONE	SPARTAN	PLATFORM-1	PLATFORM-5	BALKAN-1	PADRE	BALKAN-2	FEMTO-1	PLATFORM-6
registration	42801	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
designation	2017-038A	1998-067NZ	2021-059CP	2022-057AQ	2023-174CM	2025-009C	2025-135AH	2026-100AW	2026-067D	2026-203C
operator	Bulgaria Sat EAD	ASSOCIATION TSIOLKOVSKY	ENDUROSAT TRADING	ENDUROSAT TRADING	ENDUROSAT TRADING	ENDUROSAT TRADING	ENDUROSAT TRADING	ENDUROSAT TRADING	ENDUROSAT TRADING	ENDUROSAT TRADING
owner(s)	Bulgaria Sat EAD	ASSOCIATION TSIOLKOVSKY	ENDUROSAT TRADING	ENDUROSAT TRADING	ENDUROSAT TRADING	ENDUROSAT TRADING	University of California, Berkeley	ENDUROSAT TRADING	ARQUIMEA RESEARCH CENTER S.L.U.	ENDUROSAT TRADING
type	Geostationary Telecommunication Satellite	satellite	satellite	satellite	satellite	satellite	satellite	satellite	satellite	satellite
mission/function	Telecommunications	Amateur satellite	Earth observation	Earth observation	Technological demonstration	Earth observation	Scientific mission that aims on measuring the polarization and directivity of hard X-rays (HXRs) emitted during flares from the sun, unraveling the behaviors and distributions of high-energy electrons in the Sun's atmosphere.	Earth observation	Technological demonstration - 8x Non-propellant thrusters.	Technological demonstration – electric propulsion thruster
nodal period (min)	1436	93	93,58	93,41	92,74	94,93	96.58	94,75	94,83	95,84
inclination (deg)	0	51,6	97,66	97,59	97,43	97,43	97.75	97,41	97,45	97,42
perigee (km)	35786	400	446	436	405	510	594	503	508	519
apogee (km)	35786	400	453	447	413	520	595	510	513	599
radiofrequencies	Ku-band	Amateur UHF	UHF, S and X frequency bands	UHF and X frequency bands	UHF and S frequency bands	UHF, S and X frequency bands	UHF and S frequency bands	UHF, S and X frequency bands	UHF and S frequency bands	UHF, S and X frequency bands
GSO position	1.9E	NGSO	NGSO	NGSO	NGSO	NGSO	NGSO	NGSO	NGSO	NGSO
autonomous maneuvrability in orbit	Yes	No	No	No	No	No	No	No	No	No
update		Yes/Decayed Date of Decay: 10.11.2020/23:10:05 (UTC)	Yes/Decayed Date of Decay: 26.09.2026	Yes/Decayed Date of Decay: 25.09.2025	Yes/Decayed Date of Decay: 22.04.2025					
launch service provider	Falcon 9	Orbital Sciences/Antares 230	SpaceX/Transporter-2/D-Orbit ION-SCV 3	SpaceX/Transporter-5	SpaceX/Transporter-9	SpaceX/Transporter-12	SpaceX Falcon 9/Transporter-14	SpaceX/CAS500-2	SpaceX/Transporter-16	Spectrum/ Onward and Upward
launch location and facility	AFETR, United States Air Force Eastern Test Range - Cape Canaveral, Florida, United States	Mid-Atlantic Regional Spaceport (MARS)	Cape Canaveral Space Force Station in Florida	Cape Canaveral Space Force Station in Florida	Vandenberg Space Force Base in California	Vandenberg Space Force Base in California	United States of America, Vandenberg Space Force Base in California	Vandenberg Space Force Base in California	Vandenberg Space Force Base in California	Norway, Andøya Spaceport
positioning location and facility	SCF-1, Sofia, Bulgaria									
other launching State(s)		USA	USA	USA	USA	USA	USA	USA	USA, Spain	NOR
date and time of launching (UTC)	23 June 2017, 19:10 UTC	13.07.2018/14:20 (UTC)	21.07.2021/10:56 (UTC)	25.05.2022/19:35 (UTC)	11.11.2023/18:49 (UTC)	14.01.2025/19:09 (UTC)	23.06.2025/23.41 (UTC)	03.05.2026/08:16 (UTC)	30.03.2026/11:56 (UTC)	05.09.2026/21:42 (UTC)
positioning	23 July 2017	13.07.2018/14:20 (UTC)	21.07.2021/10:56 (UTC)	25.05.2022/20:34 (UTC)	11.11.2023/19:45 (UTC)	14.01.2025/20:04 (UTC)	23.06.2025/23.41 (UTC)	03.05.2026/08:16 (UTC)	30.03.2026/11:56 (UTC)	05.09.2026/21:42 (UTC)
national authorization date		N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A
national authorization number		N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A
national registry inscription	BG-2017-01	BG-2018-01	BG-2021-01	BG-2022-01	BG-2023-01	BG-2025-01	BG-2025-02	BG-2026-01	BG-2026-02	BG-2026-03
notification to UNOOSA		N/A	N/A	N/A	N/A	N/A		N/A	N/A	N/A
notes		Date of launch is date of deployment from the ISS	Day of launch is date of deployment from ION SCV-003 (international designator 2021-059AK).	Date and time of launch is the date and time of deployment from the Falcon-9 launcher			Date and time of launch is the date and time of deployment from the Falcon-9 launcher	Date and time of launch is the date and time of deployment from the Falcon-9 launcher	Date and time of launch is the date and time of deployment from the Falcon-9 launcher	The date and time of launch is the date and time of deployment from the Spectrum launcher