E_TSUM Requested by: USER	Date: 26.08.2022 5:59:23 PM	DB: A-SEANSAT-PG1_002.MDB	Plan Id.:	Notice type: NONGEO

A	*A1a* Sat. Network: A-SEANSAT-PG1	*A1f1* Notif. adm.: MLA	*A1f3* Inter. sat. org.:	*BR1* Date of receipt: 06.07.2022	*BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1	*BR3a* Provision reference: 9.1/IA	*BR2* Adm. serial no.:

Résumé / Summary / Resumen

Article 9, sous-section IA / Article 9, sub-section IA / Artículo 9, sub-sección IA

第9条第1A分节 / Статья 9, подраздел IA / المادة 9، القسم الفرعي IA

B1a Beam designation	B2 Emi-Rcp	BR8 Action code	BR7a Group id.	BR9 Action code	BR47 Frequency band (MHz)	BR62 Expiry date for bringing into use	C4a Class of station
UU1	R		8		401 - 402		ED, EW
UU2	R		9		401 - 402		ED, EW
UU3	R		10		401 - 402		ED, EW
UVHF1	R		5		161.9625 - 161.9875		EG
UVHF2	R		6		162.0125 - 162.0375		EG
DXBAND1	E		1		8175 - 8215		EW
			14		8175 - 8215		EC
DXBAND2	E		2		8175 - 8215		EW
			15		8175 - 8215		EC
TTC1	E		7		400.15 - 401		EK, ER, ET
TTC2	E		3		400.15 - 401		EK, ER, ET
TTC3	E		4		400.15 - 401		EK, ER, ET
UD1	E		11		401 - 402		ET
UD2	E		12		401 - 402		ET
UD3	E		13		401 - 402		ET

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A *A1a* Sat. Network: A-SEANSAT-PG1 *A1f1* Notif. adm.: MLA *A1f3* Inter. sat. org.: *BR1* Date of receipt: 06.07.2022 *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: UU1 R

A1f2 Submitted on behalf:

A1g Short Mission Duration Res 32: N

A4b1 No. of orbital planes: 1 *A4b2* Ref. body: T

A4b1a Constellation: N *A4b1b* Configuration type: *A4b1c* Number of sub-sets mutually exclusive: *A4b1d* Attachment no.:

A4b3a No. of space stations simult. trans. on Northern Hemisphere: 1 *A4b3b* No. of space stations simult. trans. on Southern Hemisphere: 1

Orbital plane id. no.	*A4b4a Inclination angle*	*A4b4b No. of satellites in this plane*	*A4b4c Period*	*A4b4d Apogee*	*A4b4e Perigee*	*A4b4f Min. altitude*	*A4b4i Arg. of perigee*	*A4b4j Long. asc. node*	*A4b4m,n,o Sun synchronous*		
									Y/N	*Node reference time*	*Node local time*
1	97.6	1	0-01:30	570e0	570e0	570e0			Y		

Orbital plane no.	*Satellite no.*	*A4b4h Initial phase angle*	*A4b4k Date*	*A4b4l Time*	*B4a Orbit link / List of beams*
1	1				ALL

B1a/BR17 Beam designation: UU1 *B1b* Steerable: *B2* Emi-Rcp: R *B3a1* Max. co-polar gain: 0

B2a1 Transmit only when visible from notified service area: Y *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern

Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes

1

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 8 *BR1* Date of receipt: 06.07.2022 *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: ED EW *C3a* Assigned freq. band: *C5a* Noise temperature: 2610

C4b Nature of service: OT OT *C6a* Polarization type: L *C6b* Polarization angle: 90

C11a2 Service area: MLA RUS *C11a3* Service area diagram:

A2b Period of valid.: 7 *A3a* Op. agency: 055 *A3b* Adm. resp.: A *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range

C1a Lower limit		*C1b* Upper limit	
401	MHz	402	MHz

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f2* E.i.r.p. on the beam axis
1	19K2F9DCN	10	-32.8	10		-32.8		6		25
2	9K60F9DCN	10	-29.8	10		-29.8		6		25
3	4K80F9DCN	10	-26.8	10		-26.8		6		25

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A | *A1a* Sat. Network: A-SEANSAT-PG1 | *A1f1* Notif. adm.: MLA | *A1f3* Inter. sat. org.: | *BR1* Date of receipt: 06.07.2022 | *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 | *BR3a* Provision reference: 9.1/IA | *BR2* Adm. serial no.: | UU1 | R

C7b Carrier frequency of the emissions (19K2F9DCN)																	
401.412	MHz	401.412	MHz	401.412	MHz												

C7b Carrier frequency of the emissions (9K60F9DCN)																	
401.412	MHz	401.412	MHz	401.412	MHz												

C7b Carrier frequency of the emissions (4K80F9DCN)																	
401.412	MHz	401.412	MHz	401.412	MHz												

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth
USM-GS	S	100E29 39	05N08 50	MLA	1	TD	OT	15	20
					2	TW	OT		
SKOLKOVO-GS	S	037E21 25	55N41 31	RUS	1	TD	OT	15	20
					2	TW	OT		

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
USM-GS	AP7						
SKOLKOVO-GS	AP7						

13C Remarks:

B1a/BR17 Beam designation: UU2 | *B1b* Steerable: | *B2* Emi-Rcp: R | *B3a1* Max. co-polar gain: 0

B2a1 Transmit only when visible from notified service area: Y | *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes
1

B4a3a1 Angle alpha: | *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 9 | *BR1* Date of receipt: 06.07.2022 | *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: ED EW | *C3a* Assigned freq. band: | *C5a* Noise temperature: 2610

C4b Nature of service: OT OT | *C6a* Polarization type: L | *C6b* Polarization angle: 90

C11a2 Service area: MLA RUS | *C11a3* Service area diagram:

A2b Period of valid.: 7 | *A3a* Op. agency: 055 | *A3b* Adm. resp.: A | *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
401	MHz	402	MHz

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A *A1a* Sat. Network: A-SEANSAT-PG1 *A1f1* Notif. adm.: MLA *A1f3* Inter. sat. org.: *BR1* Date of receipt: 06.07.2022 *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: UU2 R

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f2* E.i.r.p. on the beam axis
1	19K2F9DCN	10	-32.8	10		-32.8		6		25
2	9K60F9DCN	10	-29.8	10		-29.8		6		25
3	4K80F9DCN	10	-26.8	10		-26.8		6		25

C7b Carrier frequency of the emissions (19K2F9DCN)

401.523 MHz	401.523 MHz	401.523 MHz			

C7b Carrier frequency of the emissions (9K60F9DCN)

401.523 MHz	401.523 MHz	401.523 MHz			

C7b Carrier frequency of the emissions (4K80F9DCN)

401.523 MHz	401.523 MHz	401.523 MHz			

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth
USM-GS	S	100E29 39	05N08 50	MLA	1	TD	OT	15	20
					2	TW	OT		
SKOLKOVO-GS	S	037E21 25	55N41 31	RUS	1	TD	OT	15	20
					2	TW	OT		

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
USM-GS	AP7						
SKOLKOVO-GS	AP7						

13C Remarks:

B1a/BR17 Beam designation: UU3 *B1b* Steerable: *B2* Emi-Rcp: R *B3a1* Max. co-polar gain: 0

B2a1 Transmit only when visible from notified service area: Y *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes

1

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 10 *BR1* Date of receipt: 06.07.2022 *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: ED EW *C3a* Assigned freq. band: *C5a* Noise temperature: 2610

C4b Nature of service: OT OT *C6a* Polarization type: L *C6b* Polarization angle: 90

C11a2 Service area: MLA RUS *C11a3* Service area diagram:

A2b Period of valid.: 7 *A3a* Op. agency: 055 *A3b* Adm. resp.: A *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A | *A1a* Sat. Network: A-SEANSAT-PG1 | *A1f1* Notif. adm.: MLA | *A1f3* Inter. sat. org.: | *BR1* Date of receipt: 06.07.2022 | *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 | *BR3a* Provision reference: 9.1/IA | *BR2* Adm. serial no.: | UU3 | R

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
401	MHz	402	MHz

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f2* E.i.r.p. on the beam axis
1	19K2F9DCN	10	-32.8	10		-32.8		6		25
2	9K60F9DCN	10	-29.8	10		-29.8		6		25
3	4K80F9DCN	10	-26.8	10		-26.8		6		25

C7b Carrier frequency of the emissions (19K2F9DCN)

401.634	MHz	401.634	MHz	401.634	MHz												

C7b Carrier frequency of the emissions (9K60F9DCN)

401.634	MHz	401.634	MHz	401.634	MHz												

C7b Carrier frequency of the emissions (4K80F9DCN)

401.634	MHz	401.634	MHz	401.634	MHz												

	C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth
	USM-GS	S	100E29 39	05N08 50	MLA	1	TD	OT	15	20
						2	TW	OT		
	SKOLKOVO-GS	S	037E21 25	55N41 31	RUS	1	TD	OT	15	20
						2	TW	OT		

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
USM-GS	AP7						
SKOLKOVO-GS	AP7						

13C Remarks:

B1a/BR17 Beam designation: UVHF1 | *B1b* Steerable: | *B2* Emi-Rcp: R | *B3a1* Max. co-polar gain: 1.5

B2a1 Transmit only when visible from notified service area: Y | *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes
1

B4a3a1 Angle alpha: | *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 5 | *BR1* Date of receipt: 06.07.2022 | *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: EG | *C3a* Assigned freq. band: | *C5a* Noise temperature: 316

C4b Nature of service: OT | *C6a* Polarization type: L | *C6b* Polarization angle: 45

C11a2 Service area: MLA | *C11a3* Service area diagram:

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A *A1a* Sat. Network: A-SEANSAT-PG1 *A1f1* Notif. adm.: MLA *A1f3* Inter. sat. org.: *BR1* Date of receipt: 06.07.2022 *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: UVHF1 R

A2b Period of valid.: 7 *A3a* Op. agency: 055 *A3b* Adm. resp.: A *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
161.9625	MHz	161.9875	MHz

C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f2* E.i.r.p. on the beam axis
1 9K60F9DCN	11	-28.8	0		-39.8		6		-0.2

C7b Carrier frequency of the emissions (9K60F9DCN)																			
161.975	MHz																		

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.		*C10d3* Max. iso. gain	*C10d4* Bmwdth						
TYPICAL VHF-GS	T				1	TG OT	10	50						

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TYPICAL VHF-GS	ND-EARTH						

13C Remarks:

B1a/BR17 Beam designation: UVHF2 *B1b* Steerable: *B2* Emi-Rcp: R *B3a1* Max. co-polar gain: 1.5

B2a1 Transmit only when visible from notified service area: Y *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes
1

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 6 *BR1* Date of receipt: 06.07.2022 *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: EG *C3a* Assigned freq. band: *C5a* Noise temperature: 316

C4b Nature of service: OT *C6a* Polarization type: L *C6b* Polarization angle: 45

C11a2 Service area: MLA *C11a3* Service area diagram:

A2b Period of valid.: 7 *A3a* Op. agency: 055 *A3b* Adm. resp.: A *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A | *A1a* Sat. Network: A-SEANSAT-PG1 | *A1f1* Notif. adm.: MLA | *A1f3* Inter. sat. org.: | *BR1* Date of receipt: 06.07.2022 | *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 | *BR3a* Provision reference: 9.1/IA | *BR2* Adm. serial no.: | UVHF2 | R

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
162.0125	MHz	162.0375	MHz

C7a Design. of emission		*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f2* E.i.r.p. on the beam axis
1	9K60F9DCN	11	-28.8	0		-39.8		6		-0.2

C7b Carrier frequency of the emissions (9K60F9DCN)															
162.025	MHz														

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.		*C10d3* Max. iso. gain	*C10d4* Bmwdth						
TYPICAL VHF-GS	T				1	TG	OT	10	50					

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TYPICAL VHF-GS	ND-EARTH						

13C Remarks:

B1a/BR17 Beam designation: DXBAND1 | *B1b* Steerable: | *B2* Emi-Rcp: E | *B3a1* Max. co-polar gain: 6.5

B2a1 Transmit only when visible from notified service area: Y | *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes
1

B4a3a1 Angle alpha: | *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 1 | *BR1* Date of receipt: 06.07.2022 | *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: EW | *C3a* Assigned freq. band:

C4b Nature of service: OT | *C6a* Polarization type: CR | *C6b* Polarization angle:

C8d1 Max. tot. peak pwr.: | *C8d2* Contiguous bandwidth:

C11a2 Service area: MLA RUS | *C11a3* Service area diagram:

A2b Period of valid.: 7 | *A3a* Op. agency: 055 | *A3b* Adm. resp.: A | *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
8175	MHz	8215	MHz

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A *A1a* Sat. Network: A-SEANSAT-PG1 *A1f1* Notif. adm.: MLA *A1f3* Inter. sat. org.: *BR1* Date of receipt: 06.07.2022 *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: DXBAND1 E

C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f1* E.i.r.p. on the beam axis
1 1M00G7D--	3	-57	-1		-61		6		10

C7b Carrier frequency of the emissions (1M00G7D--)

8195.213	MHz																		

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth	*C10d6* Noise temp.		
TYPICAL X-BAND	T				1	TW	OT	44.1	1.1	43		
SCANEX-GS	S	037E32 46	55N43 59	RUS	1	TW	OT	44.1	1.1	43		
USM-GS	S	100E29 39	05N08 50	MLA	1	TW	OT	44.1	1.1	43		
MYSA-GS	S	101E30 28	02N47 01	MLA	1	TW	OT	44.1	1.1	43		

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TYPICAL X-BAND	REC-465-5						
SCANEX-GS	REC-465-5						
USM-GS	REC-465-5						
MYSA-GS	REC-465-5						

13C Remarks:

BR7a/BR7b Group id.: 14 *BR1* Date of receipt: 06.07.2022 *C2c* RR No. 4.4: Y

BR14 Special Section:

C4a Class of station: EC *C3a* Assigned freq. band:

C4b Nature of service: OT *C6a* Polarization type: CR *C6b* Polarization angle:

C8d1 Max. tot. peak pwr.: *C8d2* Contiguous bandwidth:

C11a2 Service area: MLA *C11a3* Service area diagram:

A2b Period of valid.: 7 *A3a* Op. agency: 055 *A3b* Adm. resp.: A *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
8175	MHz	8215	MHz

C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f1* E.i.r.p. on the beam axis
1 1M00G7D--	3	-57	-1		-61		6		10

C7b Carrier frequency of the emissions (1M00G7D--)

8195.213	MHz																		

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth	*C10d6* Noise temp.		
TYPICAL X-BAND	T				1	TC	OT	44.1	1.1	43		
USM-GS	S	100E29 39	05N08 50	MLA	1	TC	OT	44.1	1.1	43		
MYSA-GS	S	101E30 28	02N47 01	MLA	1	TC	OT	44.1	1.1	43		

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A *A1a* Sat. Network: A-SEANSAT-PG1 *A1f1* Notif. adm.: MLA *A1f3* Inter. sat. org.: *BR1* Date of receipt: 06.07.2022 *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: DXBAND1 E

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TYPICAL X-BAND	REC-465-5						
USM-GS	REC-465-5						
MYSA-GS	REC-465-5						

13C Remarks:

B1a/BR17 Beam designation: DXBAND2 *B1b* Steerable: *B2* Emi-Rcp: E *B3a1* Max. co-polar gain: 6.5

B2a1 Transmit only when visible from notified service area: Y *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes
1

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 2 *BR1* Date of receipt: 06.07.2022 *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: EW *C3a* Assigned freq. band:

C4b Nature of service: OT *C6a* Polarization type: CR *C6b* Polarization angle:

C8d1 Max. tot. peak pwr.: *C8d2* Contiguous bandwidth:

C11a2 Service area: MLA RUS *C11a3* Service area diagram:

A2b Period of valid.: 7 *A3a* Op. agency: 055 *A3b* Adm. resp.: A *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
8175	MHz	8215	MHz

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f1* E.i.r.p. on the beam axis
1	1M00G7D--	3	-57	-1		-61		6		10

C7b Carrier frequency of the emissions (1M00G7D--)																			
8195.113	MHz																		

	C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth	*C10d6* Noise temp.		
	TYPICAL X-BAND-GS	T				1	TW	OT	44.1	1.1	43		
	SCANEX-GS	S	037E32 46	55N43 59	RUS	1	TW	OT	44.1	1.1	43		
	USM-GS	S	100E29 39	05N08 50	MLA	1	TW	OT	44.1	1.1	43		
	MYSA-GS	S	101E30 28	02N47 01	MLA	1	TW	OT	44.1	1.1	43		

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A *A1a* Sat. Network: A-SEANSAT-PG1 *A1f1* Notif. adm.: MLA *A1f3* Inter. sat. org.: *BR1* Date of receipt: 06.07.2022 *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: DXBAND2 E

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TYPICAL X-BAND-GS	REC-465-5						
SCANEX-GS	REC-465-5						
USM-GS	REC-465-5						
MYSA-GS	REC-465-5						

13C Remarks:

BR7a/BR7b Group id.: 15 *BR1* Date of receipt: 06.07.2022 *C2c* RR No. 4.4: Y

BR14 Special Section:

C4a Class of station: EC *C3a* Assigned freq. band:

C4b Nature of service: OT *C6a* Polarization type: CR *C6b* Polarization angle:

C8d1 Max. tot. peak pwr.: *C8d2* Contiguous bandwidth:

C11a2 Service area: MLA *C11a3* Service area diagram:

A2b Period of valid.: 7 *A3a* Op. agency: 055 *A3b* Adm. resp.: A *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
8175	MHz	8215	MHz

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f1* E.i.r.p. on the beam axis
1	1M00G7D--	3	-57	-1		-61		6		10

C7b Carrier frequency of the emissions (1M00G7D--)																	
8195.113	MHz																

	C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth	*C10d6* Noise temp.		
	TYPICAL X-BAND-GS	T				1	TC	OT	44.1	1.1	43		
	USM-GS	S	100E29 39	05N08 50	MLA	1	TC	OT	44.1	1.1	43		
	MYSA-GS	S	101E30 28	02N47 01	MLA	1	TC	OT	44.1	1.1	43		

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
TYPICAL X-BAND-GS	REC-465-5						
USM-GS	REC-465-5						
MYSA-GS	REC-465-5						

13C Remarks:

B1a/BR17 Beam designation: TTC1 *B1b* Steerable: *B2* Emi-Rcp: E *B3a1* Max. co-polar gain: 0

B2a1 Transmit only when visible from notified service area: Y *B2a2* Min. Elev. Angle: 5

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A *A1a* Sat. Network A-SEANSAT-PG1 *A1f1* Notif. adm. MLA *A1f3* Inter. sat. org. *BR1* Date of receipt 06.07.2022 *BR20* BR IFIC no.

BR6a/BR6b Id. no. 1 *BR3a* Provision reference 9.1/IA *BR2* Adm. serial no. TTC1 E

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes
1

B4a3a1 Angle alpha *B4a3a2* Angle beta

BR92 Attach. for missing angle alpha/beta

BR7a/BR7b Group id. 7 *BR1* Date of receipt 06.07.2022 *C2c* RR No. 4.4

BR14 Special Section

C4a Class of station EK ER ET *C3a* Assigned freq. band

C4b Nature of service OT OT OT *C6a* Polarization type L *C6b* Polarization angle 90

C8d1 Max. tot. peak pwr. *C8d2* Contiguous bandwidth

C11a2 Service area MLA RUS *C11a3* Service area diagram

A2b Period of valid. 7 *A3a* Op. agency 055 *A3b* Adm. resp. A *BR16* Value of type C8b X

BR96 Start date for 9.1/9.1A

BR60 Regulatory deadline(s) 11.44/11.44.1

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
400.15	MHz	401	MHz

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f1* E.i.r.p. on the beam axis
1	19K2F9DCN	3	-39.8	3		-39.8		6		3
2	9K60F9DCN	3	-36.8	3		-36.8		6		3
3	4K80F9DCN	3	-33.8	3		-33.8		6		3

C7b Carrier frequency of the emissions (19K2F9DCN)													
400.565	MHz	400.565	MHz	400.565	MHz								

C7b Carrier frequency of the emissions (9K60F9DCN)													
400.565	MHz	400.565	MHz	400.565	MHz								

C7b Carrier frequency of the emissions (4K80F9DCN)													
400.565	MHz	400.565	MHz	400.565	MHz								

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth	*C10d6* Noise temp.		
USM-GS	S	100E29 39	05N08 50	MLA	1	TK	OT	15	20	1163		
					2	TR	OT					
					3	TT	OT					
SKOLKOVO-GS	S	037E21 25	55N41 31	RUS	1	TK	OT	15	20	1163		
					2	TR	OT					
					3	TT	OT					

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
USM-GS	AP7						

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A *A1a* Sat. Network: A-SEANSAT-PG1 *A1f1* Notif. adm.: MLA *A1f3* Inter. sat. org.: *BR1* Date of receipt: 06.07.2022 *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: TTC1 E

SKOLKOVO-GS	AP7						

13C Remarks:

B1a/BR17 Beam designation: TTC2 *B1b* Steerable: *B2* Emi-Rcp: E *B3a1* Max. co-polar gain: 0

B2a1 Transmit only when visible from notified service area: Y *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern

Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes

1

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 3 *BR1* Date of receipt: 06.07.2022 *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: EK ER ET *C3a* Assigned freq. band:

C4b Nature of service: OT OT OT *C6a* Polarization type: L *C6b* Polarization angle: 90

C8d1 Max. tot. peak pwr.: *C8d2* Contiguous bandwidth:

C11a2 Service area: MLA RUS *C11a3* Service area diagram:

A2b Period of valid.: 7 *A3a* Op. agency: 055 *A3b* Adm. resp.: A *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range

C1a Lower limit		*C1b* Upper limit	
400.15	MHz	401	MHz

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f1* E.i.r.p. on the beam axis
1	19K2F9DCN	3	-39.8	3		-39.8		6		3
2	9K60F9DCN	3	-36.8	3		-36.8		6		3
3	4K80F9DCN	3	-33.8	3		-33.8		6		3

C7b Carrier frequency of the emissions (19K2F9DCN)

400.575 MHz	400.575 MHz	400.575 MHz			

C7b Carrier frequency of the emissions (9K60F9DCN)

400.575 MHz	400.575 MHz	400.575 MHz			

C7b Carrier frequency of the emissions (4K80F9DCN)

400.575 MHz	400.575 MHz	400.575 MHz			

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.		*C10d3* Max. iso. gain	*C10d4* Bmwdth	*C10d6* Noise temp.		
USM-GS	S	100E29 39	05N08 50	MLA	1 TR	OT	15	20	1163		
					2 TK	OT					

E_TSUM Requested by: USER	Date: 26.08.2022 5:59:23 PM	DB: A-SEANSAT-PG1_002.MDB	Plan Id.:	Notice type: NONGEO

A	*A1a* Sat. Network: A-SEANSAT-PG1	*A1f1* Notif. adm.: MLA	*A1f3* Inter. sat. org.:	*BR1* Date of receipt: 06.07.2022	*BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1	*BR3a* Provision reference: 9.1/IA	*BR2* Adm. serial no.:	TTC2	E

	SKOLKOVO-GS	S	037E21 25	55N41 31	RUS	3 1 2 3	TT TR TK TT	OT OT OT OT	15	20	1163		

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
USM-GS	AP7						
SKOLKOVO-GS	AP7						

13C Remarks:

B1a/BR17 Beam designation: TTC3 | *B1b* Steerable: | *B2* Emi-Rcp: E | *B3a1* Max. co-polar gain: 0

B2a1 Transmit only when visible from notified service area: Y | *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes
1

B4a3a1 Angle alpha: | *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 4 | *BR1* Date of receipt: 06.07.2022 | *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: EK ER ET | *C3a* Assigned freq. band:

C4b Nature of service: OT OT OT | *C6a* Polarization type: L | *C6b* Polarization angle: 90

C8d1 Max. tot. peak pwr.: | *C8d2* Contiguous bandwidth:

C11a2 Service area: MLA RUS | *C11a3* Service area diagram:

A2b Period of valid.: 7 | *A3a* Op. agency: 055 | *A3b* Adm. resp.: A | *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
400.15	MHz	401	MHz

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f1* E.i.r.p. on the beam axis
1	19K2F9DCN	3	-39.8	3		-39.8		6		3
2	9K60F9DCN	3	-36.8	3		-36.8		6		3
3	4K80F9DCN	3	-33.8	3		-33.8		6		3

C7b Carrier frequency of the emissions (19K2F9DCN)													
400.585	MHz	400.585	MHz	400.585	MHz								

C7b Carrier frequency of the emissions (9K60F9DCN)													
400.585	MHz	400.585	MHz	400.585	MHz								

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A | *A1a* Sat. Network: A-SEANSAT-PG1 | *A1f1* Notif. adm.: MLA | *A1f3* Inter. sat. org.: | *BR1* Date of receipt: 06.07.2022 | *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 | *BR3a* Provision reference: 9.1/IA | *BR2* Adm. serial no.: | TTC3 | E

C7b Carrier frequency of the emissions (4K80F9DCN)

400.585 MHz	400.585 MHz	400.585 MHz			

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth	*C10d6* Noise temp.		
USM-GS	S	100E29 39	05N08 50	MLA	1	TR	OT	15	20	1163		
					2	TK	OT					
					3	TT	OT					
SKOLKOVO-GS	S	037E21 25	55N41 31	RUS	1	TK	OT	15	20	1163		
					2	TR	OT					
					3	TT	OT					

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
USM-GS	AP7						
SKOLKOVO-GS	AP7						

13C Remarks:

B1a/BR17 Beam designation: UD1 | *B1b* Steerable: | *B2* Emi-Rcp: E | *B3a1* Max. co-polar gain: 0

B2a1 Transmit only when visible from notified service area: Y | *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes
1

B4a3a1 Angle alpha: | *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 11 | *BR1* Date of receipt: 06.07.2022 | *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: ET | *C3a* Assigned freq. band:

C4b Nature of service: OT | *C6a* Polarization type: L | *C6b* Polarization angle: 90

C8d1 Max. tot. peak pwr.: | *C8d2* Contiguous bandwidth:

C11a2 Service area: MLA RUS | *C11a3* Service area diagram:

A2b Period of valid.: 7 | *A3a* Op. agency: 055 | *A3b* Adm. resp.: A | *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
401	MHz	402	MHz

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f1* E.i.r.p. on the beam axis
1	19K2F9DCN	3	-39.8	3		-39.8		6		3

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A | *A1a* Sat. Network: A-SEANSAT-PG1 | *A1f1* Notif. adm.: MLA | *A1f3* Inter. sat. org.: | *BR1* Date of receipt: 06.07.2022 | *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 | *BR3a* Provision reference: 9.1/IA | *BR2* Adm. serial no.: | UD1 | E

2	9K60F9DCN	3	-36.8	3		-36.8		6		3
3	4K80F9DCN	3	-33.8	3		-33.8		6		3

C7b Carrier frequency of the emissions (19K2F9DCN)

401.412 MHz	401.412 MHz	401.412 MHz			

C7b Carrier frequency of the emissions (9K60F9DCN)

401.412 MHz	401.412 MHz	401.412 MHz			

C7b Carrier frequency of the emissions (4K80F9DCN)

401.412 MHz	401.412 MHz	401.412 MHz			

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth	*C10d6* Noise temp.		
USM-GS	S	100E29 39	05N08 50	MLA	1	TT	OT	15	20	1163		
SKOLKOVO-GS	S	037E21 25	55N41 31	RUS	1	TT	OT	15	20	1163		

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
USM-GS	AP7						
SKOLKOVO-GS	AP7						

13C Remarks:

B1a/BR17 Beam designation: UD2 | *B1b* Steerable: | *B2* Emi-Rcp: E | *B3a1* Max. co-polar gain: 0

B2a1 Transmit only when visible from notified service area: Y | *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes
1

B4a3a1 Angle alpha: | *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 12 | *BR1* Date of receipt: 06.07.2022 | *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: ET | *C3a* Assigned freq. band:

C4b Nature of service: OT | *C6a* Polarization type: L | *C6b* Polarization angle: 90

C8d1 Max. tot. peak pwr.: | *C8d2* Contiguous bandwidth:

C11a2 Service area: MLA RUS | *C11a3* Service area diagram:

A2b Period of valid.: 7 | *A3a* Op. agency: 055 | *A3b* Adm. resp.: A | *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

BR60 Regulatory deadline(s) 11.44/11.44.1:

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
401	MHz	402	MHz

E_TSUM Requested by: USER Date: 26.08.2022 5:59:23 PM DB: A-SEANSAT-PG1_002.MDB Plan Id.: Notice type: NONGEO

A *A1a* Sat. Network: A-SEANSAT-PG1 *A1f1* Notif. adm.: MLA *A1f3* Inter. sat. org.: *BR1* Date of receipt: 06.07.2022 *BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: UD2 E

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f1* E.i.r.p. on the beam axis
1	19K2F9DCN	3	-39.8	3		-39.8		6		3
2	9K60F9DCN	3	-36.8	3		-36.8		6		3
3	4K80F9DCN	3	-33.8	3		-33.8		6		3

C7b Carrier frequency of the emissions (19K2F9DCN)

401.523 MHz	401.523 MHz	401.523 MHz			

C7b Carrier frequency of the emissions (9K60F9DCN)

401.523 MHz	401.523 MHz	401.523 MHz			

C7b Carrier frequency of the emissions (4K80F9DCN)

401.523 MHz	401.523 MHz	401.523 MHz			

C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.	*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.	*C10d3* Max. iso. gain	*C10d4* Bmwdth	*C10d6* Noise temp.		
USM-GS	S	100E29 39 05N08 50	MLA	1 TT OT	15	20	1163		
SKOLKOVO-GS	S	037E21 25 55N41 31	RUS	1 TT OT	15	20	1163		

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
USM-GS	AP7						
SKOLKOVO-GS	AP7						

13C Remarks:

B1a/BR17 Beam designation: UD3 *B1b* Steerable: *B2* Emi-Rcp: E *B3a1* Max. co-polar gain: 0

B2a1 Transmit only when visible from notified service area: Y *B2a2* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
ND-SPACE						

List of orbital planes
1

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 13 *BR1* Date of receipt: 06.07.2022 *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: ET *C3a* Assigned freq. band:

C4b Nature of service: OT *C6a* Polarization type: L *C6b* Polarization angle: 90

C8d1 Max. tot. peak pwr.: *C8d2* Contiguous bandwidth:

C11a2 Service area: MLA RUS *C11a3* Service area diagram:

A2b Period of valid.: 7 *A3a* Op. agency: 055 *A3b* Adm. resp.: A *BR16* Value of type C8b: X

BR96 Start date for 9.1/9.1A:

E_TSUM Requested by: USER	Date: 26.08.2022 5:59:23 PM	DB: A-SEANSAT-PG1_002.MDB	Plan Id.:	Notice type: NONGEO

A	*A1a* Sat. Network: A-SEANSAT-PG1	*A1f1* Notif. adm.: MLA	*A1f3* Inter. sat. org.:	*BR1* Date of receipt: 06.07.2022	*BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1	*BR3a* Provision reference: 9.1/IA	*BR2* Adm. serial no.:	UD3	E

BR60 Regulatory deadline(s) 11.44/11.44.1

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
401	MHz	402	MHz

	C7a Design. of emission	*C8a1/C8b1* Max. peak pwr	*C8a2/C8b2* Max. pwr dens.	*C8c1* Min. peak pwr	*C8c2* Attch.	*C8c3* Min. pwr dens.	*C8c4* Attch.	*C8e1* C/N ratio	*C8e2* Attch.	*C8f1* E.i.r.p. on the beam axis
1	19K2F9DCN	3	-39.8	3		-39.8		6		3
2	9K60F9DCN	3	-36.8	3		-36.8		6		3
3	4K80F9DCN	3	-33.8	3		-33.8		6		3

C7b Carrier frequency of the emissions (19K2F9DCN)

401.634	MHz	401.634	MHz	401.634	MHz												

C7b Carrier frequency of the emissions (9K60F9DCN)

401.634	MHz	401.634	MHz	401.634	MHz												

C7b Carrier frequency of the emissions (4K80F9DCN)

401.634	MHz	401.634	MHz	401.634	MHz												

	C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth	*C10d6* Noise temp.		
	USM-GS	S	100E29 39	05N08 50	MLA	1	TT	OT	15	20	1163		
	SKOLKOVO-GS	S	037E21 25	55N41 31	RUS	1	TT	OT	15	20	1163		

	C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1	Co-polar rad. diag.
USM-GS	AP7						
SKOLKOVO-GS	AP7						

13C Remarks

E_TSUM Requested by: USER	Date: 26.08.2022 5:59:23 PM	DB: A-SEANSAT-PG1_002.MDB	Plan Id.:	Notice type: NONGEO

A	*A1a* Sat. Network: A-SEANSAT-PG1	*A1f1* Notif. adm.: MLA	*A1f3* Inter. sat. org.:	*BR1* Date of receipt: 06.07.2022	*BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1	*BR3a* Provision reference: 9.1/IA	*BR2* Adm. serial no.:	UD3	E

***C9* Modulation characteristics**	***C7a* Designation of emission 19K2F9DCN**
C9a1 Type of modulation	
C9a2a Lowest frequency	
C9a2b Highest frequency	
C9a2c Frequency deviation	
C9a3a Freq. deviation of the pre-emphasized signal	
C9a3b Pre-emphasis characteristics	
C9a3c Type of multiplexing	
C9a4a Bit rate	
C9a4b Number of phases	
C9a5a Modulating signal attached (see attch. no.)	
C9a5b Amplitude modulation	
C9a6a Peak-to-peak freq. dev.	
C9a6b Sweep frequency	
C9a6c Energy dispersal waveform	
C9a7 Type of energy dispersal	
C9a8 Other types of modulation (see attch. no.)	
C9a9 TV standard	
BR7a Group id.	3, 4, 7, 8, 9, 10, 11, 12, 13

***C9* Modulation characteristics**	***C7a* Designation of emission 1M00G7D--**
C9a1 Type of modulation	
C9a2a Lowest frequency	
C9a2b Highest frequency	
C9a2c Frequency deviation	
C9a3a Freq. deviation of the pre-emphasized signal	
C9a3b Pre-emphasis characteristics	
C9a3c Type of multiplexing	
C9a4a Bit rate	
C9a4b Number of phases	
C9a5a Modulating signal attached (see attch. no.)	
C9a5b Amplitude modulation	
C9a6a Peak-to-peak freq. dev.	
C9a6b Sweep frequency	
C9a6c Energy dispersal waveform	
C9a7 Type of energy dispersal	
C9a8 Other types of modulation (see attch. no.)	
C9a9 TV standard	
BR7a Group id.	1, 2, 14, 15

E_TSUM Requested by: USER	Date: 26.08.2022 5:59:23 PM	DB: A-SEANSAT-PG1_002.MDB	Plan Id.:	Notice type: NONGEO

A	*A1a* Sat. Network: A-SEANSAT-PG1	*A1f1* Notif. adm.: MLA	*A1f3* Inter. sat. org.:	*BR1* Date of receipt: 06.07.2022	*BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 1	*BR3a* Provision reference: 9.1/IA	*BR2* Adm. serial no.:	UD3	E

***C9* Modulation characteristics**	***C7a* Designation of emission 4K80F9DCN**
C9a1 Type of modulation	
C9a2a Lowest frequency	
C9a2b Highest frequency	
C9a2c Frequency deviation	
C9a3a Freq. deviation of the pre-emphasized signal	
C9a3b Pre-emphasis characteristics	
C9a3c Type of multiplexing	
C9a4a Bit rate	
C9a4b Number of phases	
C9a5a Modulating signal attached (see attch. no.)	
C9a5b Amplitude modulation	
C9a6a Peak-to-peak freq. dev.	
C9a6b Sweep frequency	
C9a6c Energy dispersal waveform	
C9a7 Type of energy dispersal	
C9a8 Other types of modulation (see attch. no.)	
C9a9 TV standard	
BR7a Group id.	3, 4, 7, 8, 9, 10, 11, 12, 13

***C9* Modulation characteristics**	***C7a* Designation of emission 9K60F9DCN**
C9a1 Type of modulation	FM
C9a2a Lowest frequency	
C9a2b Highest frequency	
C9a2c Frequency deviation	
C9a3a Freq. deviation of the pre-emphasized signal	
C9a3b Pre-emphasis characteristics	
C9a3c Type of multiplexing	
C9a4a Bit rate	
C9a4b Number of phases	
C9a5a Modulating signal attached (see attch. no.)	
C9a5b Amplitude modulation	
C9a6a Peak-to-peak freq. dev.	
C9a6b Sweep frequency	
C9a6c Energy dispersal waveform	
C9a7 Type of energy dispersal	
C9a8 Other types of modulation (see attch. no.)	
C9a9 TV standard	
BR7a Group id.	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13

BR22 Administration remarks

BR23 Radiocommunication Bureau comments