

E_TSUM Requested by: DAVE		Date: 27.11.2022 9:50:23 PM		DB: DOGE-1_API - REV.B.MDB		Plan Id.:		Notice type: NONGEO	
A	A1a Sat. Network	DOGE-1	A1f1 Notif. adm.	USA	A1f3 Inter. sat. org.		BR1 Date of receipt	02.11.2022	BR20 BR IFIC no.
BR6a/BR6b Id. no.		1	BR3a Provision reference		9.1/IA	BR2 Adm. serial no.			

## Résumé / Summary / Resumen

**Il est prévu d'exploiter ce système à satellites non OSG dans le cadre d'une mission de courte durée conformément à la Résolution 32 (CMR-19)**

**This non-GSO satellite system is planned to be operated as short duration mission in accordance with Resolution 32 (WRC-19)**

**Está previsto que este sistema de satélites no OSG opere como misión de corta duración en los términos de la Resolución 32 (CMR-19)**

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
AWSSU	R		7		2109	- 2110		ED, EH, EK
E2X2XD	E		2		8025	- 8400		ET, EW
G2X1SD	E		6		2289	- 2290		EH, EK, ER

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

A1f2 Submitted on behalf

A1g Short Mission Duration Res 32 Y

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 A4b3b No. of space stations simult. trans. on Southern Hemisphere

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	28.5	1	11-17:35	420e3	400.4e0	525e0	189.9		N		

Orbital plane no.	Satellite no.	A4b4h Initial phase angle	A4b4k Date	A4b4l Time	B4a Orbit link / List of beams
1	1	0			

B1a/BR17 Beam designation AWSSU B1b Steerable Y B2 Emi-Rcp R B3a1 Max. co-polar gain 7

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

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

List of orbital planes  
ALL

B4a3a1 Angle alpha B4a3a2 Angle beta

BR92 Attach. for missing angle alpha/beta

BR7a/BR7b Group id. 7 BR1 Date of receipt 02.11.2022 C2c RR No. 4.4 Y

BR14 Special Section

C4a Class of station ED EH EK C3a Assigned freq. band C5a Noise temperature 260

C4b Nature of service CV CV CV C6a Polarization type CR C6b Polarization angle

C11a2 Service area XR1 XR2 XR3 C11a3 Service area diagram

A2b Period of valid. 2 A3a Op. agency 999 A3b Adm. resp. A BR16 Value of type C8b

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		
2109	MHz	2110	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 92K7F1D--	33.3	-16.3	3.3		-46.3		16		

C7b Carrier frequency of the emissions (92K7F1D--)									
2109.5	MHz								

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

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.		C10c2 Ctry	C10d1/C10d2 Cls. / Nat.			C10d3 Max. iso. gain	C10d4 Bmwdth				
GH-STX	S	005W11 01	50N03 02	G	1 TD	CV	54.1	0.29					
					2 TH	CV							
					3 TK	CV							

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.
GH-STX	REC-465-5						

13C Remarks

B1a/BR17 Beam designation E2X2XD B1b Steerable Y B2 Emi-Rcp E B3a1 Max. co-polar gain 16

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

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

List of orbital planes

ALL

B4a3a1 Angle alpha B4a3a2 Angle beta

BR92 Attach. for missing angle alpha/beta

BR7a/BR7b Group id. 2 BR1 Date of receipt 02.11.2022 C2c RR No. 4.4 Y

BR14 Special Section

C4a Class of station ET EW C3a Assigned freq. band

C4b Nature of service CR CV C6a Polarization type CR

C6b Polarization angle

C8d1 Max. tot. peak pwr. C8d2 Contiguous bandwidth

C11a2 Service area XR1 XR2 XR3 C11a3 Service area diagram

A2b Period of valid. 2 A3a Op. agency 999 A3b Adm. resp. A BR16 Value of type C8b

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		
8025	MHz	8400	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 48M8G1D--	2.5	-74.3	-3.5		-80.3		16		
2 16M3G1D--	2.5	-69.6	-3.5		-75.6		16		
3 3M90G1D--	2.5	-64.5	-3.5		-69.4		16		
4 1M04G1D--	2.5	-57.6	-3.5		-63.6		16		
5 650KG1D--	2.5	-55.6	-3.5		-61.6		16		

C7b Carrier frequency of the emissions (48M8G1D--)											
8212.5	MHz										

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BR6a/BR6b Id. no.		1	BR3a Provision reference		9.1/IA	BR2 Adm. serial no.		E2X2XD	E

C7b Carrier frequency of the emissions (16M3G1D--)										
8212.5	MHz									
C7b Carrier frequency of the emissions (3M90G1D--)										
8212.5	MHz									
C7b Carrier frequency of the emissions (1M04G1D--)										
8212.5	MHz									
C7b Carrier frequency of the emissions (650KG1D--)										
8212.5	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.
GH-XXR	S	005W11 01	50N03 02	G	1 TT 2 TW	CR CV	66	0.07	84

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.
GH-XXR	REC-465-5						

13C Remarks

B1a/BR17 Beam designation	G2X1SD	B1b Steerable	Y	B2 Emi-Rcp	E	B3a1 Max. co-polar gain	7
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B2a1 Transmit only when visible from notified service area  Y  B2a2 Min. Elev. Angle

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

List of orbital planes

ALL

B4a3a1 Angle alpha  B4a3a2 Angle beta

BR92 Attach. for missing angle alpha/beta

BR7a/BR7b Group id.	6	BR1 Date of receipt	02.11.2022	C2c RR No. 4.4	Y
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BR14 Special Section

C4a Class of station  EH  EK  ER  C3a Assigned freq. band

C4b Nature of service  CV  CV  CV  C6a Polarization type  CR

C6b Polarization angle

C8d1 Max. tot. peak pwr.  C8d2 Contiguous bandwidth

C11a2 Service area  XR1  XR2  XR3

C11a3 Service area diagram

A2b Period of valid.  2  A3a Op. agency  999  A3b Adm. resp.  A  BR16 Value of type C8b

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		
2289	MHz	2290	MHz

C7a Design. of emission	C8a1/C8b1 Max. peak pwr	C8a2/C8b2 Max. pwr dens.	C8c1 Min. peak pwr	C8c2 Atch.	C8c3 Min. pwr dens.	C8c4 Atch.	C8e1 C/N ratio	C8e2 Atch.	C8f1 E.i.r.p. on the beam axis
1 92K7F1D--	-1.6	-51.1	-7		-56.6		16		
2 79K1F1D--	-1.6	-50.4	-7		-55.9		16		
3 39K6F1D--	-1.6	-47.4	-7		-52.9		16		
4 19K8F1D--	-1.6	-44.4	-7		-49.9		16		
5 9K48F1D--	-1.6	-41.2	-7		-46.7		16		
6 4K94F1D--	-1.6	-38.4	-7		-43.9		16		
7 2K47F1D--	-1.6	-37.5	-7		-43		16		

C7b Carrier frequency of the emissions (92K7F1D--)									
2289.5	MHz								
C7b Carrier frequency of the emissions (79K1F1D--)									
2289.5	MHz								
C7b Carrier frequency of the emissions (39K6F1D--)									
2289.5	MHz								
C7b Carrier frequency of the emissions (19K8F1D--)									
2289.5	MHz								
C7b Carrier frequency of the emissions (9K48F1D--)									
2289.5	MHz								
C7b Carrier frequency of the emissions (4K94F1D--)									
2289.5	MHz								
C7b Carrier frequency of the emissions (2K47F1D--)									
2289.5	MHz								

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.		C10c2 Ctry	C10d1/C10d2 Cls. / Nat.			C10d3 Max. iso. gain	C10d4 Bmwidth	C10d6 Noise temp.
GH-SRX	S	005W11 01	50N03 02	G	1 TH	CV	55.5	0.27	93	
					2 TR	CV				
					3 TK	CV				

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.
GH-SRX	REC-465-5						

13C Remarks

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C9 Modulation characteristics		C7a Designation of emission 16M3G1D--
C9a1	Type of modulation	32-APSK
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.	2

C9 Modulation characteristics		C7a Designation of emission 1M04G1D--
C9a1	Type of modulation	32-APSK
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.	2

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BR6a/BR6b Id. no. 1		BR3a Provision reference 9.1/IA	BR2 Adm. serial no.		G2X1SD E

C9 Modulation characteristics	C7a Designation of emission 39K6F1D--
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.	6

C9 Modulation characteristics	C7a Designation of emission 79K1F1D--
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.	6

BR22 Administration remarks

BR23 Radiocommunication Bureau comments