

E_TSUM Requested by: RICKYP		Date: 08.09.2016 2:52:57 PM		DB: SPACECAP_V7.MDB		Plan Id.:		Notice type: NONGEO		
A	A1a Sat. Network NANOACE		A1f1 Notifying adm. USA		A1f3 Inter. sat. org.		BR1 Date of receipt 29.06.2016		BR20 BR IFIC no.	
BR6a/BR6b Id. no. 4			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)			C4a Class of station
UPLINK	R		8		399.9	-	400.05	EA
DOWNLINK	E		7		399.9	-	400.05	EW

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A1f2 Submitted on behalf

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

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
1	97.4	1	0-01:35	600e0	600e0	600e0

☐ B1a/BR17 Beam designation	UPLINK	☐ B1b Steerable	☐ B2 Emi-Rcp	R	☐ B3a1 Max. co-polar gain	2
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B2bis.a Transmit only when visible from notified service area B2bis.b Min. Elev. Angle

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
						1

List of orbital planes

B4a3a1 Angle alpha B4a3a2 Angle beta

BR92 Attach. for missing angle alpha/beta

☐ BR7a/BR7b Group id.	8	BR1 Date of receipt	29.06.2016	C2c RR No. 4.4	Y
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BR14 Special Section

C4a Class of station EA C3a Assigned freq. band C5a Noise temperature 303

C4b Nature of service CR C6a Polarization type C6b Polarization angle

C11a2 Service area XAA C11a3 Service area diagram

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

BR60 Regulatory deadline(s) 11.44/11.44.1

C1 Frequency Range			
C1a Lower limit		C1b Upper limit	
399.9	MHz	400.05	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 16K5G1D--	22.6	-19.6	13		-29.2		83.9		38.8

C7b Carrier frequency of the emissions (16K5G1D--)											
399.96	MHz										

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.		C10c2 Ctry	C10d1/C10d2 Cls. / Nat.		C10d3 Max. iso. gain	C10d4 Bmwidth						
TYVAK IRVINE	S	117W44 04	33N39 04	USA	1	TA	CR	16.2	30					

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.
TYVAK IRVINE							2

13C Remarks

☐ B1a/BR17 Beam designation	DOWNLINK	☐ B1b Steerable	☐ B2 Emi-Rcp	E	☐ B3a1 Max. co-polar gain	2
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BR6a/BR6b Id. no.		4	BR3a Provision reference		9.1/IA		BR2 Adm. serial no.		
							DOWNLINK		E

B2bis.a Transmit only when visible from notified service area ☐ Y ☐ B2bis.b Min. Elev. Angle

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
						1

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		29.06.2016	C2c RR No. 4.4		☐ Y ☐
BR14 Special Section								
C4a Class of station	EW	C3a Assigned freq. band						
C4b Nature of service	CR	C6a Polarization type		CL	C6b Polarization angle			
C8d1 Max. tot. peak pwr.		C8d2 Contiguous bandwidth						
C11a2 Service area	XAA	C11a3 Service area diagram						
A2b Period of valid.	2	A3a Op. agency	999	A3b Adm. resp.	A	BR16 Value of type C8b		
BR60 Regulatory deadline(s)		11.44/11.44.1						

C1 Frequency Range			
C1a Lower limit	C1b Upper limit		
399.9 MHz	400.05 MHz		

C7a	C8a1/C8b1	C8a2/C8b2	C8c1	C8c2	C8c3	C8c4	C8e1	C8e2	C8f1
Design. of emission	Max. peak pwr	Max. pwr dens.	Min. peak pwr	Attch.	Min. pwr dens.	Attch.	C/N ratio	Attch.	E.i.r.p. on the beam axis
1 16K5G1D--	3	-39.2	0.5		-41.7		57.1		

C7b Carrier frequency of the emissions (16K5G1D--)											
399.96	MHz										

C10b1	C10b2	C10c1		C10c2	C10d1/C10d2		C10d3	C10d4	C10d6		
Assoc. earth station id.	Type	Geographical coord.		Ctry	Cls. / Nat.		Max. iso. gain	Bmwidth	Noise temp.		
TYVAK IRVINE	S	117W44 04	33N39 04	USA	1	TA CR	16.2	30	303		

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.
TYVAK IRVINE							2

13C Remarks

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BR6a/BR6b Id. no.		4	BR3a Provision reference		9.1/IA	BR2 Adm. serial no.			DOWNLINK E

C9 Modulation characteristics	C7a Designation of emission 16K5G1D--
C9a1 Type of modulation	PSK
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.	7, 8

BR22 Administration remarks	
BR23 Radiocommunication Bureau comments	