E_TSUM Requested by: STUDIO	Date: 12.03.2020 12:07:56 PM	DB: CAPELLA_SEQUOIA-WHITNEY~	Plan Id.:	Notice type: NONGEO

A	*A1a* Sat. Network: CAPELLA	*A1f1* Notif. adm.: USA	*A1f3* Inter. sat. org.:	*BR1* Date of receipt: 10.03.2020	*BR20* BR IFIC no.:

BR6a/BR6b Id. no.: 2	*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
RXTTNC	R		1		2035.3 - 2036.7	EW
XRADAR	R		2		9390 - 9910	E3
TXPAY	E		3		8025 - 8400	EW
TXTTNC	E		4		8026.3 - 8027.7	EW
XRADAR	E		5		9390 - 9910	E3

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BR6a/BR6b Id. no.: 2 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: RXTTNC R

A1f2 Submitted on behalf:

A4b1 No. of orbital planes: 2 *A4b2* Ref. body: T *BR43* Orbital configuration: 0

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*
1	97.9	1	0-01:37	630e0	600e0	600e0
2	45	1	0-01:35	525e0	525e0	525e0

B1a/BR17 Beam designation: RXTTNC *B1b* Steerable: *B2* Emi-Rcp: R *B3a1* Max. co-polar gain: 4.2

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.
						2

List of orbital planes
ALL

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 1 *BR1* Date of receipt: 10.03.2020 *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: EW *C3a* Assigned freq. band: *C5a* Noise temperature: 577

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

C11a2 Service area:

AFS	ATA	AUS	BHR	CHL	GRC	IRL	NOR
NZL	S	USA					

C11a3 Service area diagram:

A2b Period of valid.: 3 *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	
2035.3	MHz	2036.7	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	1M40F1DXN	8	-53.5	8		-53.5		10.5		

C7b Carrier frequency of the emissions (1M40F1DXN)																			
2036	MHz																		

	C10b1 Assoc. earth station id.	*C10b2* Type	*C10c1* Geographical coord.		*C10c2* Ctry	*C10d1/C10d2* Cls. / Nat.			*C10d3* Max. iso. gain	*C10d4* Bmwdth						
	SVALBD	T				1	TW	CV	36.8	2.1						

	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.
SVALBD							6

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BR6a/BR6b Id. no.: 2 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: RXTTNC R

13C Remarks:

B1a/BR17 Beam designation: XRADAR *B1b* Steerable: *B2* Emi-Rcp: R *B3a1* Max. co-polar gain: 49

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

ALL

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta: 9

BR7a/BR7b Group id.: 2 *BR1* Date of receipt: 10.03.2020 *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: E3 *C5d1* Noise temperature (sensors): 1884 *C5d2* Noise bandwidth (sensors): 520000

C4b Nature of service: CV *C6a* Polarization type: L *C6b* Polarization angle: 0

A2b Period of valid.: 3 *A3a* Op. agency: 999 *A3b* Adm. resp.: A *BR16* Value of type C8b:

BR60 Regulatory deadline(s): 11.44/11.44.1

C2a1 Assigned frequency

9650	MHz										

C8b3a Mean peak pwr: *C8b3b* Mean pwr dens.: *C8a1/C8b1* Max. peak pwr: *C8a2/C8b2* Max. pwr dens.:

13C Remarks:

B1a/BR17 Beam designation: TXPAY *B1b* Steerable: *B2* Emi-Rcp: E *B3a1* Max. co-polar gain: 20.6

B2bis.a Transmit only when visible from notified service area: Y *B2bis.b* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern

Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
						3

List of orbital planes

ALL

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 3 *BR1* Date of receipt: 10.03.2020 *C2c* RR No. 4.4:

BR14 Special Section:

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

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

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

C11a2 Service area: AFS ATA AUS BHR CHL GRC IRL NOR *C11a3* Service area diagram:

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BR6a/BR6b Id. no.: 2 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: TXPAY E

NZL	S	USA					

A2b Period of valid.: 3 *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	
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	375MG1DXN	5.4	-78.6	0		-84		15		

C7b Carrier frequency of the emissions (375MG1DXN)	
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.		
	SVALBD	T				1	TW	CV	36.8	2.1	140		

	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.
SVALBD							7

13C Remarks:

B1a/BR17 Beam designation: TXTTNC *B1b* Steerable: *B2* Emi-Rcp: E *B3a1* Max. co-polar gain: 5.6

B2bis.a Transmit only when visible from notified service area: Y *B2bis.b* Min. Elev. Angle: 5

B3c1 Co-polar antenna pattern						
Co-polar ref. pattern	Coef. A	Coef. B				Co-polar rad. diag.
						5

List of orbital planes
ALL

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta:

BR7a/BR7b Group id.: 4 *BR1* Date of receipt: 10.03.2020 *C2c* RR No. 4.4:

BR14 Special Section:

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

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

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

C11a2 Service area:

AFS	ATA	AUS	BHR	CHL	GRC	IRL	NOR
NZL	S	USA					

C11a3 Service area diagram:

A2b Period of valid.: 3 *A3a* Op. agency: 999 *A3b* Adm. resp.: A *BR16* Value of type C8b:

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BR6a/BR6b Id. no.: 2 *BR3a* Provision reference: 9.1/IA *BR2* Adm. serial no.: TXTTNC E

BR60 Regulatory deadline(s) 11.44/11.44.1

C1 Frequency Range			
C1a Lower limit		*C1b* Upper limit	
8026.3	MHz	8027.7	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	1M40F1DXN	3	-58.5	0		-61.5		10.5		

C7b Carrier frequency of the emissions (1M40F1DXN)	
8027	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.		
	SVALBD	T				1	TW CV	36.8	2.1	140		

	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.
SVALBD							7

13C Remarks

B1a/BR17 Beam designation: XRADAR *B1b* Steerable: *B2* Emi-Rcp: E *B3a1* Max. co-polar gain: 49

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.
						4

List of orbital planes
ALL

B4a3a1 Angle alpha: *B4a3a2* Angle beta:

BR92 Attach. for missing angle alpha/beta: 9

BR7a/BR7b Group id.: 5 *BR1* Date of receipt: 10.03.2020 *C2c* RR No. 4.4:

BR14 Special Section:

C4a Class of station: E3 *C3a* Assigned freq. band: 520000

C4b Nature of service: CV *C6a* Polarization type: L *C6b* Polarization angle: 0

A2b Period of valid.: 3 *A3a* Op. agency: 999 *A3b* Adm. resp.: A *BR16* Value of type C8b:

BR60 Regulatory deadline(s) 11.44/11.44.1

C2a1 Assigned frequency	
9650	MHz

C8b3a Mean peak pwr: 27 *C8b3b* Mean pwr dens.: -60 *C8a1/C8b1* Max. peak pwr: *C8a2/C8b2* Max. pwr dens.:

C16 Sensor		
C16a1 Pulse length	*C16a2* Pulse repetition frequency	
20	10	

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BR6a/BR6b Id. no.: 2	*BR3a* Provision reference: 9.1/IA	*BR2* Adm. serial no.:	XRADAR	E

13C Remarks

BR22 Administration remarks

BR23 Radiocommunication Bureau comments