

E_TSUM Requested by: THORNNI		Date: 18.04.2023 4:48:11 PM		DB: BLACKJACK.MDB		Plan Id.:		Notice type: NONGEO		
A	A1a Sat. Network BLACKJACK		A1f1 Notif. adm. USA		A1f3 Inter. sat. org.		BR1 Date of receipt 18.04.2023		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
SUP	R		1		2085.4	- 2085.6		ED, ET
			2		2085.4	- 2085.6		ED, ET
			3		2085.4	- 2085.6		ED, ET
			4		2085.4	- 2085.6		ED, ET
			5		2085.4	- 2085.6		ED, ET
SDOWN	E		6		2263.8	- 2265.8		ET
XDOWN	E		9		8250	- 8270		EH

E_TSUM Requested by: THORNNI		Date: 18.04.2023 4:48:11 PM		DB: BLACKJACK.MDB		Plan Id.:		Notice type: NONGEO	
A	A1a Sat. Network	BLACKJACK	A1f1 Notif. adm.	USA	A1f3 Inter. sat. org.		BR1 Date of receipt	18.04.2023	BR20 BR IFIC no.
BR6a/BR6b Id. no.		1	BR3a Provision reference		9.1/IA		BR2 Adm. serial no.		SUP R

A1f2 Submitted on behalf

A1g Short Mission Duration Res 32

A4b1 No. of orbital planes A4b2 Ref. body

A4b1a Constellation 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	99	2	0-01:40	735e0	735e0	735e0			Y	A	09:00:00
2	99	2	0-01:40	735e0	735e0	735e0			Y	A	09:35:00

Orbital plane no.	Satellite no.	A4b4h Initial phase angle	A4b4k Date	A4b4l Time	B4a Orbit link / List of beams
1	1				
1	2				

Orbital plane no.	Satellite no.	A4b4h Initial phase angle	A4b4k Date	A4b4l Time	B4a Orbit link / List of beams
2	1				
2	2				

	B1a/BR17 Beam designation	SUP		B1b Steerable		B2 Emi-Rcp	R	B3a1 Max. co-polar gain	6.8
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B2a1 Transmit only when visible from notified service area 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.	1	BR1 Date of receipt	18.04.2023	C2c RR No. 4.4	
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BR14 Special Section

C4a Class of station C3a Assigned freq. band

C4b Nature of service C6a Polarization type

C11a2 Service area C5a Noise temperature

A2b Period of valid. A3a Op. agency A3b Adm. resp. 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		
2085.4	MHz	2085.6	MHz

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BR6a/BR6b Id. no.		1	BR3a Provision reference		9.1/IA		BR2 Adm. serial no.		SUP 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 20K0G1D--	14	-29	14		-29				
2 200KG1D--	14	-39	14		-39				

C7b Carrier frequency of the emissions (20K0G1D--)									
2085.5	MHz								

C7b Carrier frequency of the emissions (200KG1D--)									
2085.5	MHz								

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.		C10c2 Ctry	C10d1/C10d2 Cls. / Nat.		C10d3 Max. iso. gain	C10d4 Bmwidth						
INUVIK	S	133W36 26	68N19 33	CAN	1	TD CO	34							
LONG BEACH	S	118W08 47	33N49 27	USA	2	TT CO								
PUNTA ARENAS	S	070W52 14	52S56 06	CHL	1	TD CO	44.8							
HARTEBEESTHOEK	S	027E42 00	25S52 59	AFS	2	TT CO	40.1							

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.
INUVIK	AP8						
LONG BEACH	AP8						
PUNTA ARENAS	AP8						
HARTEBEESTHOEK	AP8						

13C Remarks

BR7a/BR7b Group id.	2	BR1 Date of receipt	18.04.2023	C2c RR No. 4.4	
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BR14 Special Section

C4a Class of station

C4b Nature of service

C11a2 Service area

A2b Period of valid.

BR96 Start date for 9.1/9.1A

BR60 Regulatory deadline(s)

C3a Assigned freq. band

C6a Polarization type

C5a Noise temperature

C6b Polarization angle

C11a3 Service area diagram

C1 Frequency Range			
C1a Lower limit		C1b Upper limit	
2085.4	MHz	2085.6	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 200KG1D--	14.2	-38.8	14.2		-38.8				
2 20K0G1D--	14.2	-28.8	14.2		-28.8				

C7b Carrier frequency of the emissions (200KG1D--)									
2085.5	MHz								

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

C7b Carrier frequency of the emissions (20K0G1D--)									
2085.5	MHz								

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Bmwdth							
NEW ZEALAND	S	168E22 47 46S31 44	NZL	1 TD 2 TT	CO CO	32							
NORTH POLE	S	147W30 00 64N48 15	ALS	1 TD 2 TT	CO CO	34							

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.
NEW ZEALAND	AP8						
NORTH POLE	AP8						

13C Remarks

BR7a/BR7b Group id.	3	BR1 Date of receipt	18.04.2023	C2c RR No. 4.4	
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BR14 Special Section

C4a Class of station

ED	ET
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C3a Assigned freq. band

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C5a Noise temperature

815

C4b Nature of service

CO	CO
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C6a Polarization type

CR

C6b Polarization angle

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C11a2 Service area

USA

C11a3 Service area diagram

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A2b Period of valid.

10

A3a Op. agency

503

A3b Adm. resp.

B

BR16 Value of type C8b

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BR96 Start date for 9.1/9.1A

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BR60 Regulatory deadline(s)

11.44/11.44.1

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C1 Frequency Range			
C1a Lower limit	C1b Upper limit		
2085.4	MHz	2085.6	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.	C8f2 E.i.r.p. on the beam axis
1 200KG1D--	20	-33	20		-33				
2 20K0G1D--	20	-23	20		-23				

C7b Carrier frequency of the emissions (200KG1D--)									
2085.5	MHz								

C7b Carrier frequency of the emissions (20K0G1D--)									
2085.5	MHz								

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Bmwdth							
PENDERGRASS	S	083W40 18 34N10 28	USA	1 TD 2 TT	CO CO	38.2							

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.
PENDERGRASS	AP8						

13C Remarks

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

BR7a/BR7b Group id.	4	BR1 Date of receipt	18.04.2023	C2c RR No. 4.4	
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BR14 Special Section							
C4a Class of station	ED	ET	C3a Assigned freq. band		C5a Noise temperature	815	
C4b Nature of service	CO	CO	C6a Polarization type	CR	C6b Polarization angle		
C11a2 Service area	AUS	CHL	G	S	C11a3 Service area diagram		
A2b Period of valid.	10	A3a Op. agency	503	A3b Adm. resp.	B	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	
2085.4	MHz	2085.6	MHz

C7a	C8a1/C8b1	C8a2/C8b2	C8c1	C8c2	C8c3	C8c4	C8e1	C8e2	C8f2
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 200KG1D--	23	-30	23		-30				
2 20K0G1D--	23	-20	23		-20				

C7b Carrier frequency of the emissions (200KG1D--)											
2085.5	MHz										

C7b Carrier frequency of the emissions (20K0G1D--)											
2085.5	MHz										

C10b1	C10b2	C10c1		C10c2	C10d1/C10d2			C10d3	C10d4						
Assoc. earth station id.	Type	Geographical coord.		Ctry	Cls. / Nat.			Max. iso. gain	Bmwdth						
Alice Springs	S	133E52 51	23S45 31	AUS	1	TD	CO	40.1							
GUILDFORD	S	000W37 06	51N14 31	G	2	TT	CO	43							
OJEBYN	S	021E25 33	65N20 13	S	1	TD	CO	40.1							
SANTIAGO	S	070W39 59	33S09 03	CHL	2	TT	CO	41.3							
WEST AUSTRALIA	S	115E20 30	29S00 37	AUS	1	TD	CO	36.3							
					2	TT	CO								

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.
Alice Springs	AP8						
GUILDFORD	AP8						
OJEBYN	AP8						
SANTIAGO	AP8						
WEST AUSTRALIA	AP8						

13C Remarks	
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BR7a/BR7b Group id.	5	BR1 Date of receipt	18.04.2023	C2c RR No. 4.4	
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A	A1a Sat. Network	BLACKJACK	A1f1 Notif. adm.	USA	A1f3 Inter. sat. org.		BR1 Date of receipt	18.04.2023	BR20 BR IFIC no.
BR6a/BR6b Id. no.		1	BR3a Provision reference		9.1/IA		BR2 Adm. serial no.		SUP R

BR14 Special Section			
C4a Class of station	ED ET	C3a Assigned freq. band	
C4b Nature of service	CO CO	C6a Polarization type	CR
C11a2 Service area	GHA HWA J USA	C11a3 Service area diagram	
A2b Period of valid.	10	A3a Op. agency	503
A3b Adm. resp.	B	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	
2085.4	MHz	2085.6	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 200KG1D--	27	-26	27		-26				
2 20K0G1D--	27	-16	27		-16				

C7b Carrier frequency of the emissions (200KG1D--)															
2085.5	MHz														

C7b Carrier frequency of the emissions (20K0G1D--)															
2085.5	MHz														

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.		C10c2 Ctry	C10d1/C10d2 Cls. / Nat.		C10d3 Max. iso. gain	C10d4 Bmwdth							
ALBUQUERQUE	S	106W35 40	35N08 19	USA	1 TD	CO	53.2								
GHANA	S	000W18 22	05N44 59	GHA	2 TT	CO	41								
HOKKAIDO	S	143E27 15	42N35 53	J	1 TD	CO	40.1								
SOUTH POINT	S	155W39 47	19N00 50	HWA	2 TT	CO	46.3								

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.
ALBUQUERQUE	AP8						
GHANA	AP8						
HOKKAIDO	AP8						
SOUTH POINT	AP8						

13C Remarks	
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B1a/BR17 Beam designation	S DOWN	B1b Steerable		B2 Emi-Rcp	E	B3a1 Max. co-polar gain	5.8
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B2a1 Transmit only when visible from notified service area	Y	B2a2 Min. Elev. Angle	
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B3c1 Co-polar antenna pattern					
Co-polar ref. pattern	Coef. A	Coef. B			Co-polar rad. diag.
ND-SPACE					

List of orbital planes	ALL
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BR6a/BR6b Id. no. 1			BR3a Provision reference 9.1/IA			BR2 Adm. serial no.			SDOWN E	

B4a3a1 Angle alpha B4a3a2 Angle beta

BR92 Attach. for missing angle alpha/beta

BR7a/BR7b Group id.	6	BR1 Date of receipt	18.04.2023	C2c RR No. 4.4	
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BR14 Special Section

C4a Class of station C3a Assigned freq. band

C4b Nature of service C6a Polarization type

C6b Polarization angle

C8d1 Max. tot. peak pwr. C8d2 Contiguous bandwidth

C11a2 Service area	AFS	ALS	AUS	CAN	CHL	G	GHA	HWA
	J	NZL	S	USA				

C11a3 Service area diagram

A2b Period of valid. A3a Op. agency A3b Adm. resp. 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	
2263.8	MHz	2265.8	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 2M00G1D--	4.8	-58.2	4.8		-58.2				
2 200KG1D--	-5.2	-58.2	-5.2		-58.2				

C7b Carrier frequency of the emissions (2M00G1D--)															
2264.8	MHz														

C7b Carrier frequency of the emissions (200KG1D--)															
2264.8	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.		
ALICE SPRINGS	S	133E52 51	23S45 31	AUS	1	TT CO	18		251		
GHANA	S	000W18 22	05N44 59	GHA	1	TT CO	18		251		
GUILDFORD	S	000W37 06	51N14 31	G	1	TT CO	17		162		
HARTEBEESTHOEK	S	027E42 00	25S52 59	AFS	1	TT CO	12.6		251		
HOKKAIDO	S	143E27 15	42N35 53	J	1	TT CO	18		251		
INUVIK	S	133W36 26	68N19 33	CAN	1	TT CO	12.6		251		
LONG BEACH	S	118W08 47	33N49 27	USA	1	TT CO	12.6		251		
NEW ZEALAND	S	168E22 47	46S31 44	NZL	1	TT CO	12.6		251		
NORTH POLE	S	147W30 00	64N48 15	ALS	1	TT CO	23.5		251		
OJEBYN	S	021E25 33	65N20 13	S	1	TT CO	18		251		
PENDERGRASS	S	083W40 18	34N10 28	USA	1	TT CO	17		162		
PUNTA ARENAS	S	070W52 14	52S56 06	CHL	1	TT CO	12.6		251		
SANTIAGO	S	070W39 59	33S09 03	CHL	1	TT CO	23		187		
SOUTH POINT	S	155W39 47	19N00 50	HWA	1	TT CO	23.5		163		
WEST AUSTRALIA	S	115E20 30	29S00 37	AUS	1	TT CO	36.6		228		
ALBUQUERQUE	S	106W35 40	35N08 19	USA	1	TT CO	19.8		262		

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BR6a/BR6b Id. no.		1	BR3a Provision reference		9.1/IA		BR2 Adm. serial no.		SDOWN 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.
ALICE SPRINGS	AP8						
GHANA	AP8						
GUILDFORD	AP8						
HARTEBEESTHOEK	ND-EARTH						
HOKKAIDO	AP8						
INUVIK	ND-EARTH						
LONG BEACH	ND-EARTH						
NEW ZEALAND	ND-EARTH						
NORTH POLE	AP8						
OJEBYN	AP8						
PENDERGRASS	AP8						
PUNTA ARENAS	ND-EARTH						
SANTIAGO	AP8						
SOUTH POINT	AP8						
WEST AUSTRALIA	AP8						
ALBUQUERQUE	AP8						

13C Remarks

B1a/BR17 Beam designation	XDOWN	B1b Steerable		B2 Emi-Rcp	E	B3a1 Max. co-polar gain	15.5
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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.	9	BR1 Date of receipt	18.04.2023	C2c RR No. 4.4	
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BR14 Special Section

C4a Class of station EH C3a Assigned freq. band

C4b Nature of service CO C6a Polarization type CR

C8d1 Max. tot. peak pwr. C8d2 Contiguous bandwidth

C11a2 Service area	AFS	ALS	AUS	CAN	CHL	G	GHA	HWA
	J	NZL	S	USA				

C6b Polarization angle

C11a3 Service area diagram

A2b Period of valid. 10 A3a Op. agency 503 A3b Adm. resp. B 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		
8250	MHz	8270	MHz

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

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 20M0G1D--	4.8	-68.2	4.8		-68.2				

C7b Carrier frequency of the emissions (20M0G1D--)									
8260	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.		
ALBUQUERQUE	S	106W35 40	35N08 19	USA	1	TH	CO	53.2		174		
ALICE SPRINGS	S	133E52 51	23S45 31	AUS	1	TH	CO	32		182		
GHANA	S	000W18 22	05N44 59	GHA	1	TH	CO	32		182		
GUILDFORD	S	000W37 06	51N14 31	G	1	TH	CO	30		126		
HARTEBEESTHOEK	S	027E42 00	25S52 59	AFS	1	TH	CO	25.5		182		
HOKKAIDO	S	143E27 15	42N35 53	J	1	TH	CO	32		182		
INUVIK	S	133W36 26	68N19 33	CAN	1	TH	CO	25.5		182		
LONG BEACH	S	118W08 47	33N49 27	USA	1	TH	CO	25.5		182		
NEW ZEALAND	S	168E22 47	46S31 44	NZL	1	TH	CO	25.5		182		
NORTH POLE	S	147W30 00	64N48 15	ALS	1	TH	CO	37.4		182		
OJEBYN	S	021E25 33	65N20 13	S	1	TH	CO	32		182		
PENDERGRASS	S	083W40 18	34N10 28	USA	1	TH	CO	30		126		
PUNTA ARENAS	S	070W52 14	52S56 06	CHL	1	TH	CO	25.5		182		
SOUTH POINT	S	155W39 47	19N00 50	HWA	1	TH	CO	37.7		128		
WEST AUSTRALIA	S	115E20 30	29S00 37	AUS	1	TH	CO	49.9		164		

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.
ALBUQUERQUE	AP8						
ALICE SPRINGS	AP8						
GHANA	AP8						
GUILDFORD	AP8						
HARTEBEESTHOEK	AP8						
HOKKAIDO	AP8						
INUVIK	AP8						
LONG BEACH	AP8						
NEW ZEALAND	AP8						
NORTH POLE	AP8						
OJEBYN	AP8						
PENDERGRASS	AP8						
PUNTA ARENAS	AP8						
SOUTH POINT	AP8						
WEST AUSTRALIA	AP8						

13C Remarks

BR22 Administration remarks	
BR23 Radiocommunication Bureau comments	