

E_TSUM Requested by: T.ZULKIF		Date: 01.08.2019 12:08:37 PM	DB: MEZNSAT_ITU_NOTIFICATIO~		Plan Id.:	Notice type: NONGEO				
A	A1a Sat. Network	MEZNSAT	A1f1 Notif. adm.	UAE	A1f3 Inter. sat. org.		BR1 Date of receipt	27.09.2018	BR20/BR21 BR IFIC no./part	/
BR6a/BR6b Id. no.		2	BR3a/BR3b Provision reference		11.2	N	BR2 Adm. serial no.			UPLINK R

A1f2 Submitted on behalf

A4b1 No. of orbital planes	1	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				
A4b7a Max. sat. rcv. simult.		A4b7b Avg. no. of As. E-stn			A4b7c Avg. distance	
A4b7d1 Excl. zone type		A4b7d2 Excl. zone width			A4b7d3 Attach.	

Orbital plane id. no.	A4b4a Inclination angle	A4b4b No. of satellites in this plane	A4b4c Period	A4b4d Apogee	A4b4e Perigee	A4b4f Min. altitude	A4b5a Right asc.	A4b6c Station keeping	A4b6e Specific modelled station	A4b6g Long. asc. node
1	98	1	0-01:30	500e0	500e0	500e0	A4b5c Arg. of perigee	A4b6d Repeat period	A4b6f Precession rate	A4b6j Long. tolerance

Orbital plane no.	Satellite no.	A4b5b Initial phase angle	A4b6h/A4b6i Date/Time
1	1		

A17a Compliance with PFD limit dB(W/(m²·1MHz)) in the band 1164 - 1215 MHz	
A17b2 Calculated aggregate PFD value in the band 5030.0 - 5150.0 MHz	 dB(W/(m²·150 kHz))
A17b3 EPFD in the band 4990.0 - 5000.0 MHz	 dB(W/(m²·10 MHz))
A17d Mean PFD	 dB(W/(m²·1 MHz))
A17e1a Calculated EPFD value in the band 42.5 - 43.5 GHz at RA SDT	 dB(W/(m²·1 GHz))
A17e1b Calculated EPFD value in the band 42.5 - 43.5 GHz at RA SDT	 dB(W/(m²·500 kHz))
A17e1c Calculated EPFD value in the band 42.5 - 43.5 GHz at RA VLBI	 dB(W/(m²·500 kHz))
A15a EPFD compliance	
A18a Aircraft earth station commitment	

 B1a/BR17 Beam designation	UPLINK		B1b Steerable	Y	B2 Emi-Rcp	R	B3a1 Max. co-polar gain	12
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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 rad. diag.
Co-polar ref. pattern	Coef. A	Coef. B				
ND-SPACE						

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	27.09.2018	C2c RR No. 4.4	Y	BR97 No. 11.43A		BR98 For use in accordance with Res 163/164	
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A2a Date of bringing into use 01.01.2020 A2b Period of valid. 4 A3a Op. agency 001 A3b Adm. resp. A BR16 Value of type C8b

BR62 Expiry date for bringing into use BR63 Confirmed date of bringing into use BR64 Date of receipt of 1st Res49

BR14 Special Section

C4a Class of station EA C3a Assigned freq. band 30 C5a Noise temperature 1003 B4b5 Peak of pfd

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

C11a1 Service area no. C11a2 Service area UAE C11a3 Service area diagram

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BR6a/BR6b Id. no.		2	BR3a/BR3b Provision reference		11.2	N	BR2 Adm. serial no.			UPLINK R

A5/A6 Coordinations/Agreements			
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C2a1 Assigned frequency									
145.6	MHz								

A13 Ref. to Special Sections	C7a		C8a1/C8b1	C8a2/C8b2	C8c1	C8c2	C8c3	C8c4	C8e1	C8e2
	Design. of emission	Max. peak pwr	Max. pwr dens.	Min. peak pwr	Atch.	Min. pwr dens.	Atch.	C/N ratio	Atch.	
API/A/12239	1	12K5F1DBN	20	0.1	15		0.1		7.8	

C7b Carrier frequency of the emissions (12K5F1DBN)									
145.6	MHz								

C10b1 Assoc. earth station id.	C10b2 Type	C10c1 Geographical coord.	C10c2 Ctry	C10d1/C10d2 Cls. / Nat.	C10d3 Max. iso. gain	C10d4 Bmwidth	C10d7 Ant. diameter	C8g1 Max. aggr. pwr.	C8g2 Aggr. bandwidth	C8g3 Transp. bandwidth = Aggr. bandwidth
MASDAR CAMPUS	T			1 TA CO	16.8	21				

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.
MASDAR CAMPUS							2

Findings	2D Date of protection		13A Conformity with RR		13B1 Prov.		13B2 Remarks		13B3 Date of Review	
13C Remarks										

B1a/BR17 Beam designation	DOWNLINK	B1b Steerable		B2 Emi-Rcp	E	B3a1 Max. co-polar gain	1
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B2bis.a Transmit only when visible from notified service area ☒ Y B2bis.b Min. Elev. Angle

B3b1b Applicable PFD will be met by applying the method in Annex 1 of ROP 21.16 ☐ Attach. no.

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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B4a3a1 Angle alpha B4a3a2 Angle beta

BR92 Attach. for missing angle alpha/beta

BR7a/BR7b Group id.	1	BR1 Date of receipt	27.09.2018	C2c RR No. 4.4		BR97 No. 11.43A		BR98 For use in accordance with Res 163/164	
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A2a Date of bringing into use A2b Period of valid. A3a Op. agency A3b Adm. resp. BR16 Value of type C8b ☒ X

BR62 Expiry date for bringing into use BR63 Confirmed date of bringing into use BR64 Date of receipt of 1st Res49

BR14 Special Section

C4a Class of station C3a Assigned freq. band B4b5 Peak of pfd

C4b Nature of service C6a Polarization type C6b Polarization angle

C8d1 Max. tot. peak pwr. C8d2 Contiguous bandwidth

C11a1 Service area no. C11a2 Service area C11a3 Service area diagram

A5/A6 Coordinations/Agreements			
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C2a1 Assigned frequency									
436.6	MHz								

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BR6a/BR6b Id. no. 2		BR3a/BR3b Provision reference 11.2		N		BR2 Adm. serial no.		DOWNLINK		E

A13 Ref. to Special Sections	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.
API/A/12239	1 15K0G1DAN	-3	0.1	-6		0.1		7.8	

C7b Carrier frequency of the emissions (15K0G1DAN)									
436.6	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.	C10d7 Ant. diameter	
MASDAR CAMPUS	T			1 TA CP	12.2	38	234		

C10d5a Co-polar antenna pattern						
C10b1 Assoc. earth station id.	Co-polar ref. pattern	Coef. A	Coef. B	Coef. C	Coef. D	Phi1
MASDAR CAMPUS						1

Findings	2D Date of protection	13A Conformity with RR	13B1 Prov.	13B2 Remarks	13B3 Date of Review
13C Remarks					

C9 Modulation characteristics	C7a Designation of emission 15K0G1DAN
C9a1 Type of modulation	Frequency 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 atch. 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 atch. no.)	
C9a9 TV standard	
BR7a Group id.	1