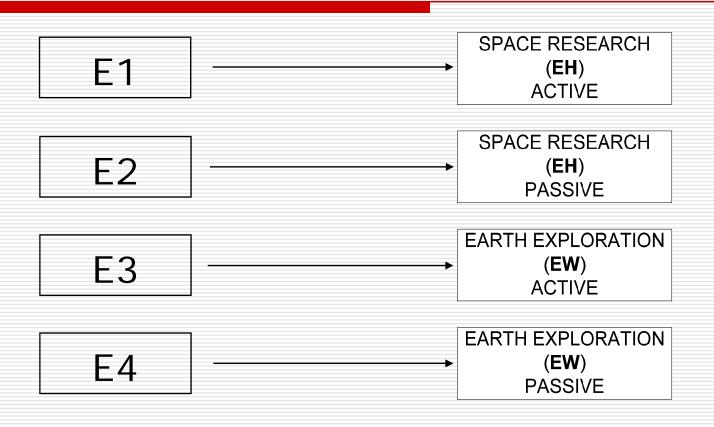
ACTIVE AND PASSIVE SENSORS

NEW MANDATORY INFORMATION FOLLOWING WRC-07

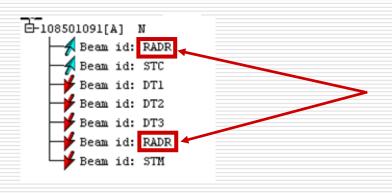
SOFTWARE UPDATE VERSION 6.0

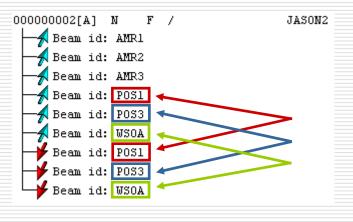
SENSOR SYSTEMS CHARACTERICTICS CLASSES OF STATION REMINDER



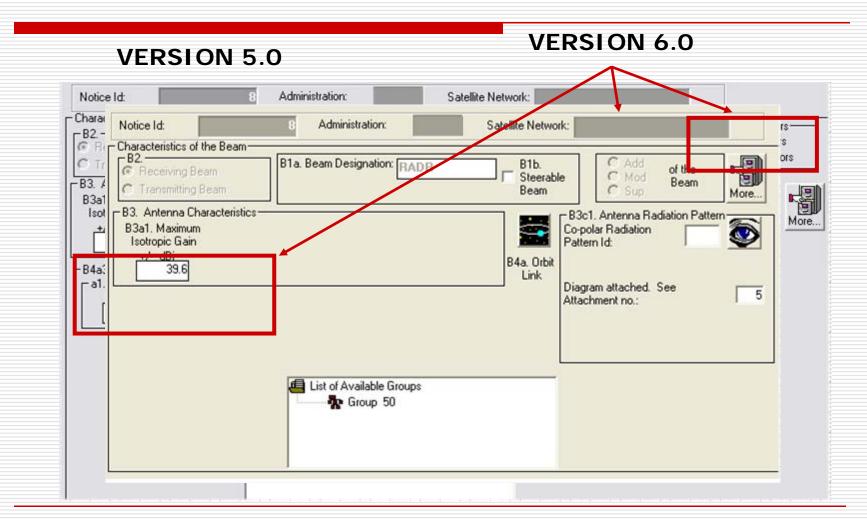
SENSOR SYSTEMS CHARACTERICTICS

THE RECEIVING AND TRANSMITTING PART OF AN ACTIVE SENSOR BEAM ARE LOCATED INTO TWO BEAMS WHICH MUST HAVE THE **SAME NAME**





ADVANCE PUBLICATION AND NOTIFICATION "BEAM" SCREEN



IDENTICAL NEW INFORMATION FOR BOTH RECEPTION AND EMISSION

ADVANCE PUBLICATION AND NOTIFICATION "GROUP" SCREEN IN TRANSMITTING BEAMS

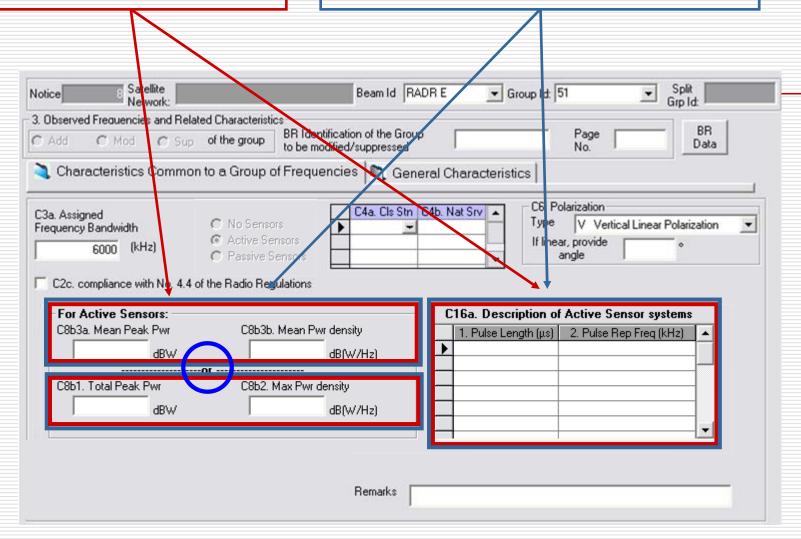
VERSION 5.0

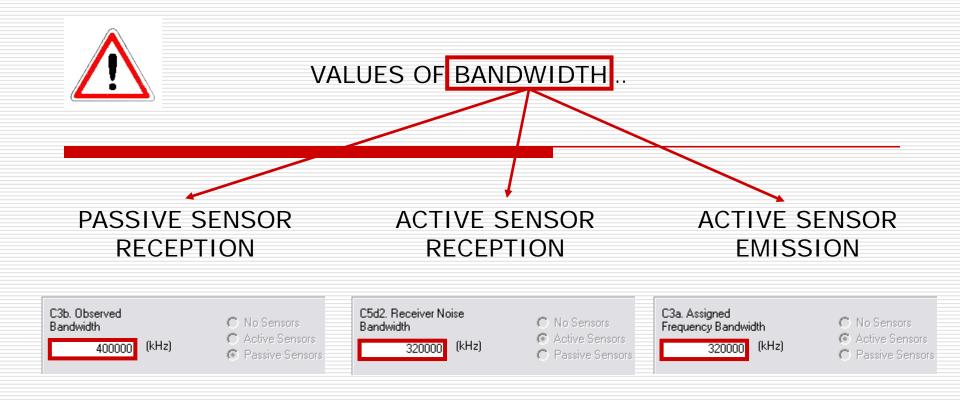
VERSION 6.0

Notice 8 Satellite Network:	Beam Id	RADR E Group Id: 51 Split Grp Id:								
3. Observed Frequencies and Related Characteristics										
C Add C Mod C Sup of the group BR Identification of the Group to be modified/suppressed Page No.										
Characteristics Common to a Group of Frequencies General Characteristics										
C3a. Assigned Frequency Bandwidth 6000 (kHz)	C No Sensors Active Sensors Passive Sensors E3	Stn C4b. Nat Srv A CR CR Under CR								
C2c. compliance with No. 4.4 of the Radio Regulations										
For Active Sensors: C8b3a. Mean Peak Pwr 24.7 dBW	C8b3b. Mean Pwr density -53.1 dB(W/Hz)	C16a. Description of Active Sensor systems 1. Pulse Length (μs) 2. Pulse Rep Freq (kHz) 33. 3.70000								
C8b1. Total Peak Pwr dBW	C8b2. Max Pwr density dB(W/Hz)									
	Remarks									



NEW MANDATORY INFORMATION





... HAVE BECOME MANDATORY IN THE **ADVANCE PUBLICATION**PROCEDURE

THREE DIFFERENT CASES OF BANDWIDTH



ASSIGNED FREQUENCY BANDWIDTH

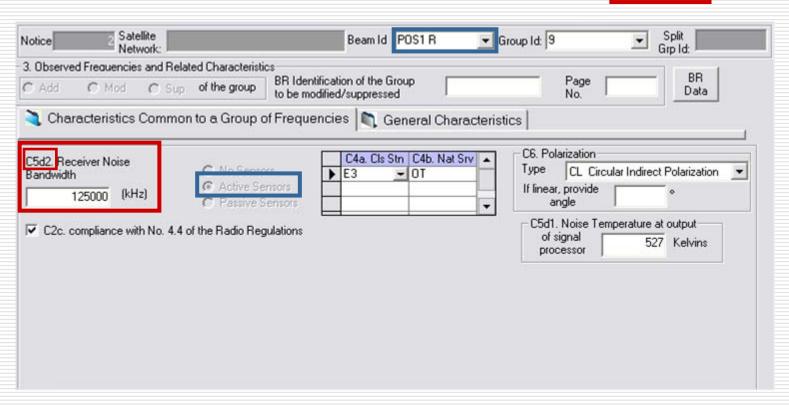
TRANSMISSION ACTIVE = C3a

lotice	Satellite Network:		Beam Id	POS1 E	▼ Group Id	5	Split Grp Id:	
Observe	d Frequencies and	d Related Characteris	tics			9 0		1
Add	C Mod C	Sup of the group	BR Identification of the 0 to be modified/suppress			Page No.	BR Date	
Char	acteristics Cor	mmon to a Group	of Frequencies 🐚 0	eneral Char	acteristics			
			C4a. Cls	Stn C4b, Nat 9		Polarization		
C3a. Assig	ned Bandwidth	C. No Sens		→ OT	Typ		ar Indirect Polarizat	tion 🔻
			The state of the s	201	If fir	near, provide		
	110000 (kHz)	C Passive	bensors	1	-	angle		
			CLASS CALABASE CONTRACTOR CONTRAC					
7 00	,							
▼ C2c, c	ompliance with No	o. 4.4 of the Radio Re	gulations			_		
	ompliance with No		egulations	C16a. I	Description of		r systems	
For Act	A	o. 4.4 of the Radio Re	egulations Mean Pwr density		Description of	Active Senso		
For Act	tive Sensors: Mean Peak Pwr	o. 4.4 of the Radio Re	Mean Pwr density			Active Senso		
For Act	tive Sensors: Mean Peak Pwr 14.4 dBW	o. 4.4 of the Radio Re C8b3b. N	Mean Pwr density -70.7 dB(W/Hz)		Description of	Active Senso	req (kHz)	
For Act C8b3a. N	Mean Peak Pwr	C8b3b. N	Mean Pwr density -70.7 dB(W/Hz)		Description of	Active Senso	req (kHz)	
For Act C8b3a. N	tive Sensors: Mean Peak Pwr 14.4 dBW otal Peak Pwr	C8b3b. N	Mean Pwr density -70.7 dB(W/Hz)ax Pwr density		Description of	Active Senso	req (kHz)	
For Act C8b3a. N	Mean Peak Pwr	C8b3b. N	Mean Pwr density -70.7 dB(W/Hz)		Description of	Active Senso	req (kHz)	



RECEIVER NOISE BANDWIDTH

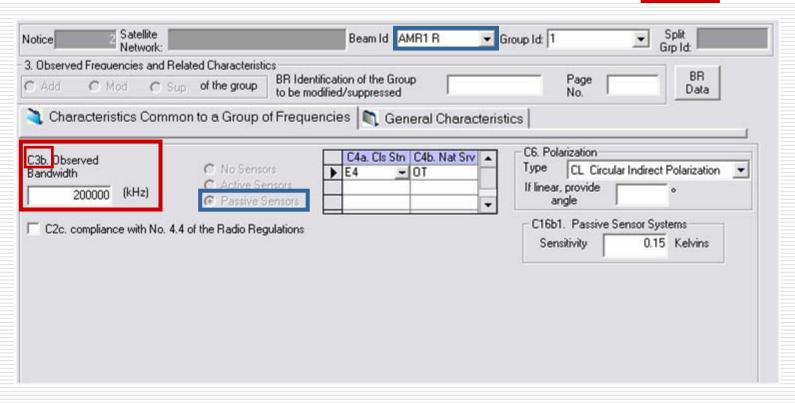
RECEPTION ACTIVE = C5d2





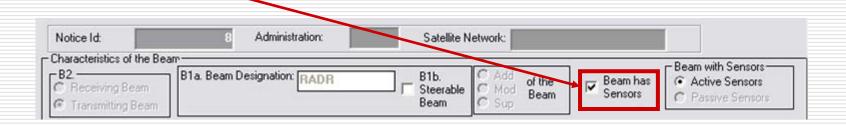
OBSERVED BANDWIDTH

RECEPTION PASSIVE = C3b





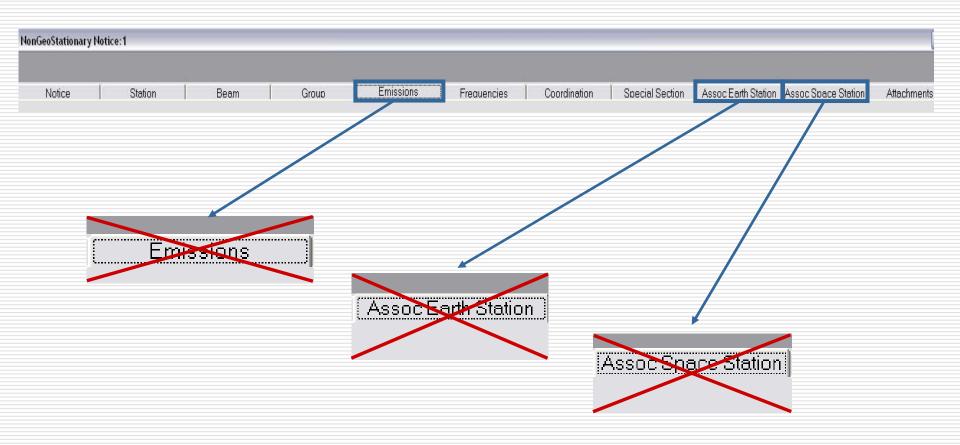
MARKING THE BEAM AS SENSOR...



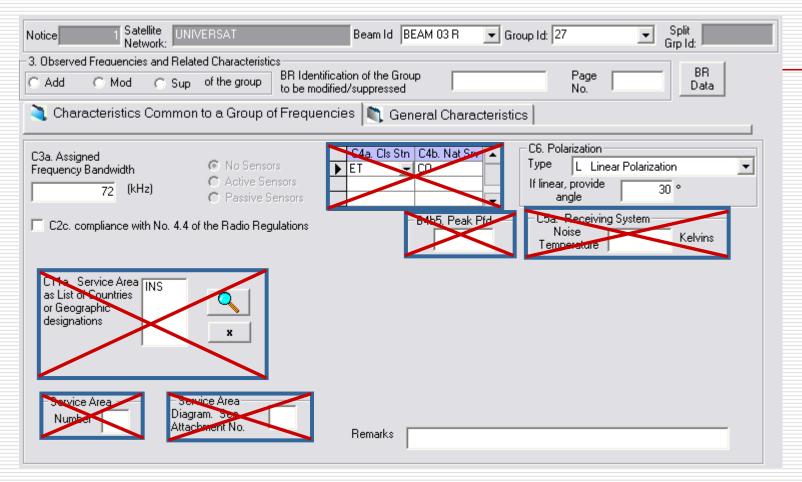
... WILL REMOVE ALL "NON-SENSOR" INFORMATION



REMOVED INFORMATION



REMOVED INFORMATION IN RECEIVING BEAM GROUPS



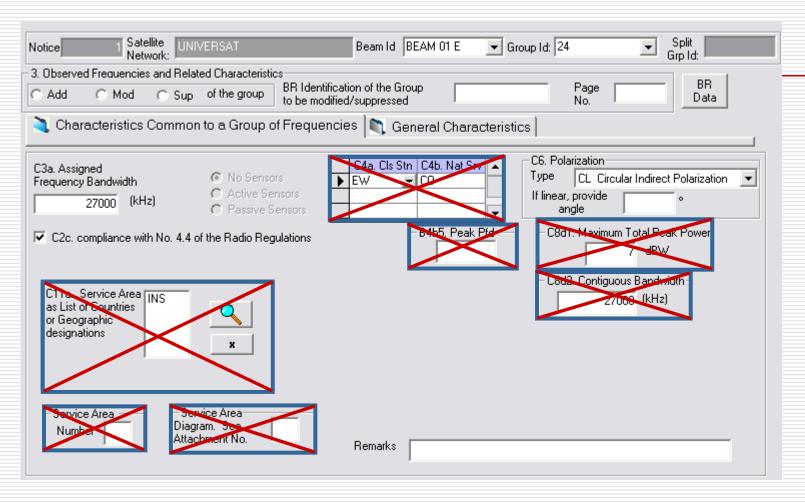
CLASS OF STATION

PEAK PFD

NOISE TEMPERATURE

SERVICE AREA NUMBER SERVICE AREA LIST OF COUNTRIES SERVICE AREA DIAG N°

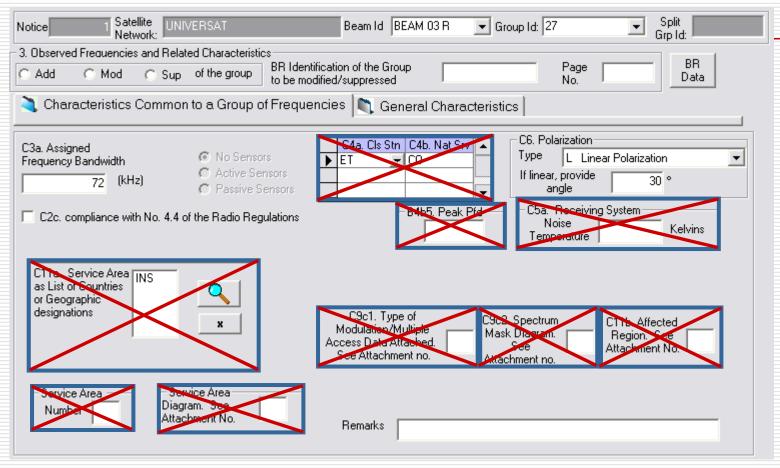
... IN TRANSMITTING BEAM GROUPS...



MAXIMUM TOTAL PEAK POWER

CONTIGUOUS BANDWIDTH

... AND IN CASE OF FREQUENCY ASSIGNMENTS SUBJECT TO COORDINATION UNDER 9.11A... (EMISSION AND RECEPTION)

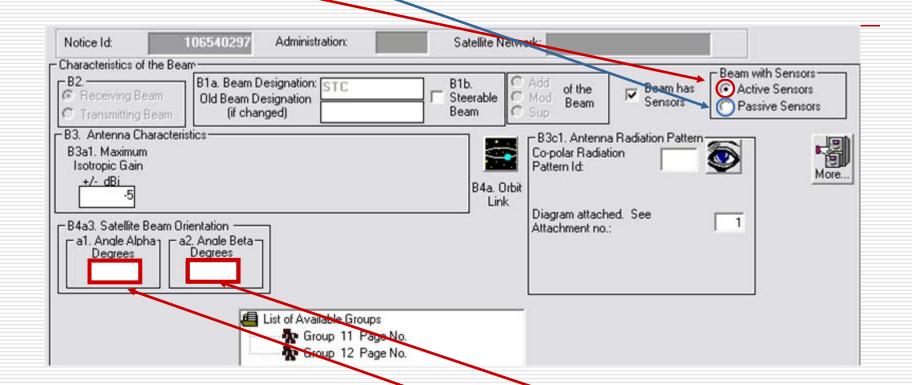


TYPE OF MODULATION

SPECTRUM MASK

AFFECTED REGION

ACTIVE OR PASSIVE SHOULD BE INDICATED ACCORDING TO THE BEAM CHARACTERISTICS



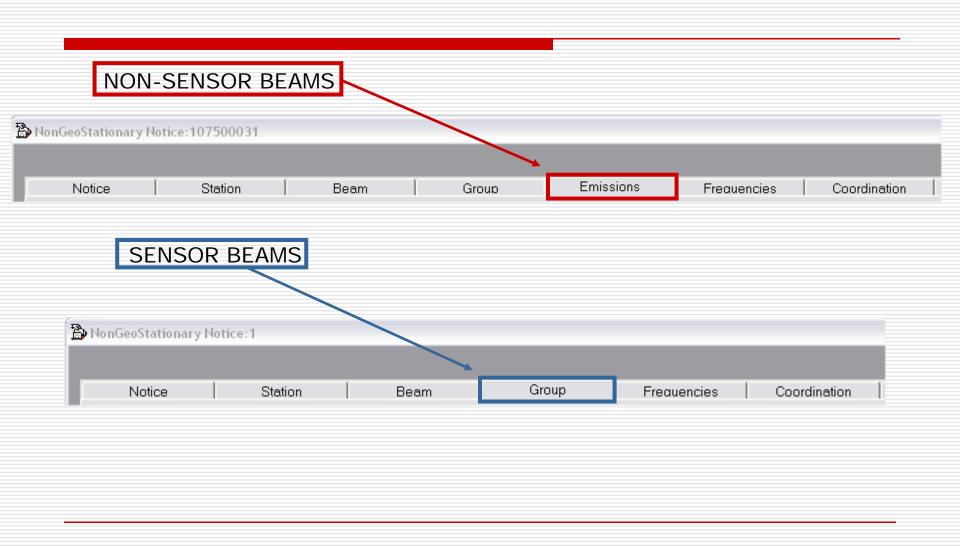
AS WELL AS VALUES OF ANGLES ALPHA AND BETA

CLASSES OF STATION E1, E2, E3 OR E4 AND NATURE OF SERVICE

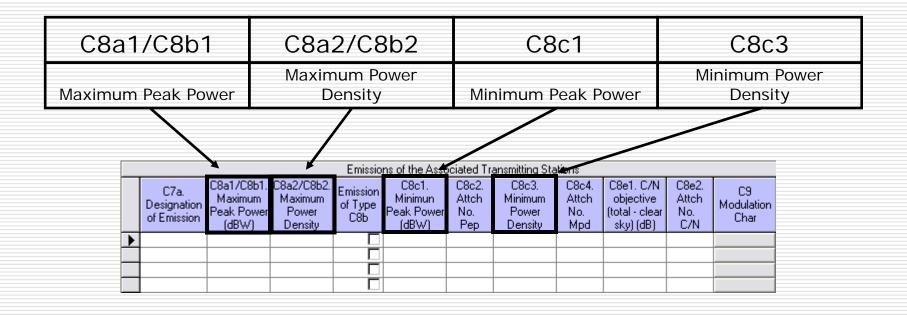
Notice Satellite Network:	Beam Id	RADR E Group Id: 51
3. Observed Frequencies and Rela	ated Characteristics	
C Add C Mod C Sup	of the group BR Identification of the Gro to be modified suppressed	oup Page BR Data
Characteristics Common	n to a Group of Frequencies 🦣 Ge	neral Characteristics
C3a. Assigned Frequency Bandwidth 6000 (kHz)	C No Sensors Active Sensors Passive Sensors C4a. Cls St E1 E3	CR CR If linear, provide angle
C2c. compliance with No. 4.4	of the Radio Regulations	
For Active Sensors:		C16a. Description of Active Sensor systems
C8b3a. Mean Peak Pwr	C8b3b. Mean Pwr density	1. Pulse Length (μs) 2. Pulse Rep Freq (kHz)
24.7 dBW	-53.1 dB(W/Hz)	33. 3.70000
C8b1. Total Peak Pwr	C8b2. Max Pwr density	
dBW	dB(W/Hz)	
J GBW	db(w/Hz)	
	Remarks	

... SHOULD BE INDICATED ACCORDING TO THE BEAM
CHARACTERISTICS

EMISSIONS' CHARACTERISTICS



NON-SENSOR BEAMS



NON-SENSOR BEAMS

SENISOD DEAMS												
→ L I V · Emissio <u>ns of the Asso</u> ciated Tr <u>ansmitting Sta</u> tions												
	U/a.	C8a1/C8b1. Maximum	C8a2/C8b2. Maximum	Emission	C8c1. Minimun	C8c2. Attch	C8c3. Minimum	C8c4. Attch	C8e1, C/N objective	C8e2. Attch	C9	
	Designation of Emission	Peak Power	Power	of Type C8b	Peak Power		Power	No.	(total - clear	No.	Modulation Char	
	or Emission	(dBW)	Density	COD	(dBW)	Pep	Density	Mpd	sky) (dB)	C/N	Unar	
COL				<u> </u>								201-2
C8b												C8b2
Mean Peak Power										ower Density		
Wodii i odk i	01101	Wida			ح لــــــ				101101		Wax	- Donary
) t	:NS	SUK	В	EAN					
						0. 104	11.0	1 _C6	Polarization			
C3a. Assign Frequency		(No Sensor	S	U4a. Uls	Stn C4t	. Nat Srv	Тур		ical Linea	ar Polarization	-
rrequency			Active Sen		0		-		near, provide			
	(kHz)		Passive Se	ensors					angle			
☐ C2c. compliance with No. 4.4 of the Radio Regulations												
J C20. 00	ompliance with	NO. 4.4 OF CH	e naulo nego	alations		_						
	ve Sensors:					C	16a. Descri	iption of	Active Sen	sor syst	ems	
C8b3a. Mean Peak Pwr C8b3b. Mean Pwr density 1. Pulse Length (μs) 2. Pulse Rep Freq (kHz) ▲												
	dBV	/		dB	(W/Hz)	.0						
		or										
C8b1. Total Peak Pwr C8b2. Max Pwr density												
	dBV	/		dB	(W/Hz)							
					()						— ▼	

Radiocommunication Bureau

Space Services Department

Space Publication and Registration Division

