CHALMERS – Space, Earth and Environment

RRY100 – Satellite Communications – 2024 – LAB report

Elevation	. ε			90°	65 °	55 °	45 °	40 °	35 °	20°
Receiver	temperatui	T_{rec}	(K)							
Antenna	temperatur	e, T_{ant}	(K)							
	correction,									
	eric zenith									
			$e^{-m(\epsilon)\tau_Z}$ (/)						
Troposph	eric attenu	ation,	A (dB)							
 rize the "mos	st importar	it lesso	ons learned" i	from LAB-	1.					
			cations ex		1.					
2: Satelli	te comm	nunie	cations ex	kercise		R X	-nol (dR) #'	TV cha	nnels
2: Satelli Transp.					BER	R X	-pol (dB) # '	TV cha	nnels
2: Satelli Transp. 1	te comm	nunie	cations ex	kercise		2 X-	-pol (dB) # '	ΓV cha	nnels
2: Satelli Transp.	te comm	nunie	cations ex	kercise		R X	-pol (dB) # '	ΓV cha	nnels
2: Satelli Transp. 1 2	te comm	nunie	cations ex	kercise		2 X	-pol (dB) # '	ΓV cha	nnels
2: Satelli Transp. 1 2 3	te comm	nunie	cations ex	kercise		R X	-pol (dB) # '	TV cha	nnels

3-3: Ant	enna exe	ercise						
	A Po	heoretical leasured 6 ntenna ga pointing of round noi	θ_{3dB} (°) G (defined from G (defined G)	Bi)				
arize the "	most impor	tant lesso	ns learn	ed" from La	AB-3:			
-4: ME	O satelli	te trac	king					
4: ME				f (MHz)	a (km/s)	code	R (MHz)	
4: ME	O satelli Sat.	te trac	king PRN	f (MHz)	v (km/s)	code	B (MHz)]
-4: ME	Sat. 1 2			f (MHz)	v (km/s)	code	B (MHz)	
-4: ME	Sat.			f (MHz)	v (km/s)	code	B (MHz)	
4: ME	Sat. 1 2 3 4 5			f (MHz)	v (km/s)	code	B (MHz)	
4: ME	Sat. 1 2 3 4			f (MHz)	v (km/s)	code	B (MHz)	