EMR Data Record

ELF Magnetic Field Measurement

Room	Center	Bed	By Clock		
K	15				
LR	15				
MBR	10	10	190		
[redacted]	15	15			
Off	15				
Great rm	20				
Base	20				

RF Field Measurement

Location	Pulsed	Final Pulsed
K	1,100	<1
LR	290	
MBR	4,500	all over
[redacted]	1,250	
Off	220	
Great Rm	155	<1
Base	12,000 *	
wifi off		
K	3400	
LR	300	
MBR	100	
[redacted]	10	
off	90	
Great	95	
Base	650	

* 720,000 by router

Net Current & Other Magnetic Field Sources

Source Description	Amps/	Comments
clock by bed	3000nT	

DC / Static Magnetic Field Measurement

Location	Deflection	Distance	Material

RF Field Sources

Source Description	uW/m2	Comments
wifi	>20,000	
Roku, Apple TV		kitchen
Roku ~~Router~~ Apple TV		Great room, basement
Apple TV	3600	even on ethernet

Standards for Sleeping Areas

Magnetic Field	AC	Units	No Concern	Slight Concern	Severe Concern	Extreme Concern
Flux Density		nT	<20	20-100	100-500	>500
Flux Density		mG	<0.2	0.2-1	1-5	>5
DC Magnetic Field						
Deviation in Compass		Deg	<2	2-10	10-100	>100
RF E-M Waves						
Power Density - Pulsed		uW/m2	<0.1	0.1-10	10-1000	>1000
Power Density - Un-Pulsed		uW/m2	<1	1-100	100-10,000	>10,000