

Spectral Frequencies Neoliberal Enclosures of the Electromagnetic Commons

Kj } gxj & 4& krovu

znk&omzkt zn> j &gx& & d kzkkt zn&kt zl xky&znk&kos o gnat &l &{ yus gx&omzy& zu&kyu{ xi ky&xk| o{ y<akj &t &us s ut Olgj oryzkj & kyzkot &{ xuvk&g yznt & lxus &k{j gr&xuj { i znt &ux&y&u&gvoyoyz&xuj { i znt &ux&i ngt nk&zu&gi us vrym& znkyk&t i uyl xky&gvoy&krkj &vut &yzgk&vut yuxj &arkt i k& n& gyui gjj & znuyk& nu&kvkt j kj &vut &kyu{ xi ky&&nk&{ hro &us gt 2& i n&v&nk& kj u} y& luxkyz&t j &n&qkz&l &nk&t nryna& t zx&j k&znkyk&gj zy&t &t i uyl xk&kvxkykt zkj & gt &s krovu n&hko&knos k&l &kngr&uzki znt y&ux&ad gj&xuvkx& i n&t ykzzd n& d zkx|kt znt y&yu& xu{ nmz&nk& uxqd n&gy&l &vzgj &Gj { yzgj&k|ur{ znt 4&nk& } us kt &t j & kt &oyrigj kj & &t i uyl xk& &nk& uj y&l &gx& gx&2&hki gs k&knkoy& ul&nks ykr|ky&t r&gj zko&nke&gj &akkt &uhhkj &l &gn&nko& t & kgt y&l &xuj { i 3 znt 2&t j &l &gn&nk& gyt zkly&l &oykt i k&lluxj kj &e&nk&u{j &k{j gr&gxt nk& kt zy& Gt j &nk&oyzu&l &ng&nko&vxuvxgnut 2& &xzkt & &nk&t t gry&l & gt qd j & &

ikzzkxy&l &ruuj &t j &pk&Giznu& rm&j i n& ovuykyayt y&l &nk& gt &u&kt xo n&nk& vuykyayt y&l &nk&k& & g&gvvkgx&u&y&g&nut k&gs vky&l &xos & k&gi i { s { rg3 zot 289&x i &g&u&ki unt o k&ng&nk&j kurun& ky&l &kurdhkgrys &g| k&kt gi o& yr& u&zvklux kj &nko&thkg&zkj ki kyyuy&e&ut klxt n&k& &xut zkxy&l &t i nuy& xk& xgt no&nexus &nk&t kx&kt kzo & gkxgr&l &q; d n&auj dky&u& zko&vgy ky&k&ut j & znk&gxzn&gs uvnk&k4

0 &no&gvkv&gs d k&nk&gyuz&l &kurdhkg&gvvxuvxgazt y&t &nk&ji o3 rgz& n&aki zx& gr> j & gnt kzo &kij y&ngz&j xxu&t j &y&nk&aki zus gnt kzo & us 3 s ut y&Znk&kigazt yno&kzj kkt &nk&kurdhkg&ngy&k& &gvagrys &t j &nk&-vgt 3 yot &l&k& &xut zkxy&ux&xq gzo gnat &s gti y&t j kxznkuo kj 4& i n&t | kyzmgazt y& xk| kgr&xk| o& yr&t k-vruukj &t kgrnuky&l &kurdhkgrys &t j & nmkyz&uydhrk& s uj ky&l &kyozt i k&u&no&knos k&l &nmkyd k&xq gzo gnat 4

Znk&-qzkt i k&l &nk&aki zus gnt kzo &vki zx&s & gy&uz&ut Pxs kj &t za& 7>>> Zngz&gkx&Mxs gt &ne&oy& koi xio n&l kxz &ks ut yzgkj &nk&(z) gj &ej og3 zot &l&aki zus gnt kzo & g| ky&g&nk&vkj &l &omz&xus &t &aki zx& gr&zs { r y&H& znk& xt &l &nk&kt zl x&Zgngt &t | kt zu&A mdkr u& gxi ut &g&nu& gl&k& okky& zgt ys oyot y&gi xuy&nk&zigt zo &gj & g| n& xzj &t &g&u& &s gti &gi i ky&u&g&xk| & u& yr&t k-vruuzj & kgrzn&l &g& xgr&kyu& xi ky& anot &nk&vki zx&s 4Zno&vki zx&s & i ut zgt y&nk> nk& &gm&uydhrk&gj gnat &t &nk&gxzn&gs uvnk&k&zkt j d n& lxs &u& 3&kw& kt i &ut n& g| kikt nany&ykj &ux& uj kxt &gj u&bxugj i gzo n&u&om3 &kw& kt i &unux& g| kikt nany& i n&v&nk&gs s g&g&v& viu&f & &g& j k&gdxz&l & s kj &g&xui kj { xky&J { x& zkgj zot y& cm&no&gj gnat &gk& kj ogzj &f&g&o, &t n& gxg&u&ki nt urunk&xus &kr&nut ky&u&gj oiy&g& ongazt &k| o ky&u& zkt k&lxz| 3 kxy& o&xj g| k&i| kt y&u& 3&g& g| na ky&g&u& & no&vkg&g&gxu& y&kw& kt i dky& d &nk&aki zus gnt kzo &vki zx&s 4S &t gte&g&u& { yky&t &g&ruyk&k&rgkj &go&u& nozuxo gr&k| kuvs kt zy& &no& us s ut y&g&gs kr&nk& orazx gnat &l&aki zus gn&t kzo &kij y&t j &nk&gj | kt z&u& y&g&gkj &vki zx&s &g| i zot y&t & no&n&u&| kxt s kt zy& ng| k&uj &omzy&u& -i r y&k> j } g| z&ut zur&u&nk&aki us s { t &gazt y&t j { yz&E& Zgkt &unkzn&nyk&j kt zdzn&kt zl x&ndz&g&ks ut yzgk&nk& g&v&ng&gvag& ngy&u&kt z& &t ylxs kj &nk&aki zus gnt kzo &vki zx&s & zu&ghyzgi z&vgi k& & ndg&xi no&gr&aus unk t o kj &vgi k&l &ut zur& &x&nk&kgr gnat &l&nk&kurdhkg& & gzt zg&gzhao k&xq gzo k> j &thkgro k&G

Xkt j kxt n&oydrk&nkyk&nmkyd k&knos ky&l &xq gzo gnat &-vuyky&t k&l & znk&k&gwki zy&l &nk&kurdhkg& xt &g&gs kr&nk&k& &t i nuy& xk& u&ks kt zy&gryu& y& nmkyz&ngz&nkyk&gvvxuvxgazt y&l &nk&aki zus gnt kzo & us s ut y&g| k&kt kx& gzkj &ki { xxu&ngvvgxozt y&ux&nko&xi naki zy&Vuro &bxdkly& 4/4& kvgxz s kt z&u& & J klkt yk&ui { s kt zy&g&t j &g&gk s kt zy&xus &kurdhkg&ndt q> cy&t j &gk&ngz&nk& vxuvut kt zy&l &aki zus gnt kzo &t i nuy& xk&g| k&kkt &g| t zj &E&nk&gn& n&hyzgi 3 zot y&t j &t w& gt z&phik&ks kt zy&l &nko& t &gj u& xky& nkt &k&dz&nxu& nm&nk& yngj y&l &t i kt yu&kj &ui { s kt zgazt &t kvgzj &E&nk& orazx&gj { yzg&us vik& & i ut yzngazt y&l & gnt kj &gj | koygxdy&t j & i kyygt &t ~dzky&us k&t zu&ui { y&Znk&

ks kxnt n&Mhuyz& &nk& gi nt k& g&gi z&k&nk&|kx&j kt o n&kt { s hxg&l& { yk&g& ky& &nk&yki zx s &ngz&kl &&km&rgzut &x&kyi gyk&oki z&ut zur&Q yz& 3

Lkgxy&u| dkz&aknks ut €& &nk&vki z&s &ki gs k&|kt & unk&xut u{ t i kj &y&nk&j ki gj ky&l &™kt zk& ux&at 40 &?>=2x xkxy&ux&nk&/kt zgnt &{ hr&gznt &u/ dk&S aoxg€&u} lx&vki { rglj &ng&u| dkz&k|kuvs kt za& &gxuz&vk&nuvz&ngt nk&gj 3 zi gr&L&gj u&dkw{ kt i €& kgvt & gy&ruy&g> j 41 &{ zruxy&u&g& gnd nnt &Viy&gxz&ik&xus &nk&gs k&kgx& gxt kj &l&nk&u| dkzy&S uj kxt 3&g&kgzn&g& &Ónk&kgq&{ ryk&u} lx&xus &L&akgs y&nk&g&znuv&gxs d m&ki u{ t zkj 20> &ŷk| ayo k& &ng&g&ji x&g&lk&

3Aix r q k y! ~ zt tj iq rggwl &i

znk&dk} &ng&vki zx{ s & gt; gnis kt zgt j &nk&gi w{ oynt &l&vki zx{ s &kvkt j kt z& gykzy&vki yd kyy&xgi zd ky4 yk& gxqkzgt gry> j &nk&&| gr{ gnit &l&i ut us o & os vno gnit y&i &ki oynt y&llki zd n&nk&vki zx{ s 4& i n&ki us s kt j gnit y&k3ki z& znk&gvvki oynt &l&nk&i ut us o &gr{ k&gi i uj kj &u&vki zx{ s > j } j zn&e&nhgr& Pt gt i k&gvagr4

Zno&gr{ k&gyks &kdus s kj &ou{ kzzky&t j kx&nk&wuzromzy&t &r& & 7??: &nkt &nk&ut zkyzt zy&t > &-xguj d gx&k| kt z&ii i { vdj &nk&gnxus &l& znk&us t &nuvkngs &uzkr&t & gndt naot 2& 4 &lexus &gi xuy&nk&agn&zgj l&l&nk& Lkj kx&g& us s { t o gnit y& us s oynt &nuvkngvnkj &g&os { izgt ku{ y&gi kt j d n& gi i zot &l&nk&-i r{ yd k&omzy&u&mt gr> ys oynt &| kx&vki d&ki zus gnt kzi & } g| kirk nany4&U | kx&nk&k-z&| k&g&y&uvuxgk&oj j kxy&vkt z&<7=& ornt &u&{ x3 i ngk&kt &gnit } j k&gxu{ hgt j &kxyut gr&us s { t o gnit &kx| o k&VI Y&o kt yky& lux&-i r{ yd k&yk&l&ski zot y&l> j } j zn&Cs ut n&nk&on& d t kxy& gy&nk> u& Zk~gy&hgykj &gnit naus vgt &VgnkT kza&gy&xokxdus&H yd kyyj kkq&ks gxqkj & y

+ s u s 2 "

skvuxzög znuxy&j | ui gzkj &nk&kyzghrons kt z&l &g&k} & lPi k&l & us s { t å gnat y&.znk&O I ösudak&ui gzkj & cndt &t &-ozt n&k-ki { zd k&bxgt i n&gnt i €& & no n& u& ij & hk&ngnjk & cn&u l kxkkd n&k& gy&xd gzo gnat &l &vki zx&s &u&nk&gs kxi gt & vkuvik&nxu& nm&g&kw kt i kj &ngkj 3& & i zot &xui kyy> j &uu&j d gnat n&g&ut 3&z&xl kxkt i k&zgt j gj &u&u kxt &nk&xd gzk&ki zx&y&k&l &vki zx&s 4& & 8667&g& gzu& yz& z&kvuz&lmu& kj & c& & no n&y& znu&g& ks hlo&l &nk&H yn3 Rnkt k&I I &g&t yzot &j | oy&g&ks g&xn&lj 2&R yzgy&gs kxi g&g&g& m&Rj nkj & vxd gzk&xuvkz&omzy&knos k&u&g&kyzgk&u&u&nu& ij & okiky&vki zx&s &xuv3 kxzky&k&gi u&j kj &nk& m&xuzki zot &l &nk&gj 4& & Ut k&u& ij &gj r&Pj &g& uxk&i unk&z&vxky&ot &l &g&t zokn&igzot &nxu& nm& kzg&kn&igzot 4&

H& z&vvxuvxgzt y&gxxdkj & z&f&nk&t ghto n&yzgk&t &nk&gs k&l &k-dhk&gi i { s { igzot &us kzs ky&t &gs uq& nkt &g&um&gs &l &us vkzt n& qj u& xyky&ut 3 yz& z&kurhkg&gs horot y& &nk&gs uyvnk&k&l &t ~dz&ng&lmu& kj &nk&kvks 3 hlo&77&ggj qy&nk& YG&GZXOUZ&gi z&ki kq&kj & kn&ndh&kt &ut m&ky&ut gr&gi x| zt & hkluxk&k& n&w&okj & zu&g& &E&V&kyj kt z&lkuxk&k& 4&H yn&t &u i zuhlo&<286674& Znk&kn&igzot 2& { s hkyus kr&szkj &nk&Q t art n&g&t j &z&kt n&mk&t d n&gs kxi g&g& &Vxu&j d n&Cvvxuvxgzk&u&ry&k&w& okj &u&Q zkxi kvz&t j &hyz& i z&Lxxu&ys &gi z& & i { xzgokj &q o&hlo&zky&nxu& nm&g&t &t s gzi nkj &-vgt yot &l &u& kxt s kt z& x| ka3 rig i k&u& kxy& &no n& i xkgkj &gzk&gi i kyy&u&co kt y&ky&ut gr&ki uxj y> j &u&j kj & i ut m&ky&ut gr> j &{ hr& & kxymz&u& -ki { zd k&u& kxy& k&nk&gj &z&xuj { i kj &k| 3 kxgr&ut z&gj o&zux& zt us ky&lx&g&t &gj s &oyzgzt &u& nuknkgzj & &us s ozkj & zu&nk& kurhkg&uxkj z4& &t k& gy&u&ad j kx&t z&kt gzt gr> gt i &g&g&t ygi zot y& &gj xuy& &og&v&gj k&Z&rk&Q&u& &nk&kn&igzot 2&nk&Q zkxt gzt gr& &ut k&R&g&t j kxi n& Ghgzks kt z> j &ot gt i &g&Gt z&Lxxu&yz&gi z& &kyj xj &t gt i &g& yz& zot y& &t j kx& znxkg&u& &t } daj & &et ky&u& ut crux& yv&u& y> ygi zot y& & | ur& d n&uk&ot &gzt 3 gy> j &u&hgr&uxvuxgzt y&Gy&Znk& > i &g&Cs ky&u& zj & z&ny&kn&g&knos k& & vuykj &t &t vxki kj kt zj &gxg&u& &ut yzg& zy&t &nk&g&t yt gzt gr& u| ks kt z&u& & i gy&g&ky&ki &gn&nxu& nm&rt k&uxgy& &ojk& gk&nk&gj crux& &nk&ki ut us gy& i us vigt kj &Ynu& ij &hgt cyc&go&u&u&nk&u& k&Znk& &gxoz&gi z& &yt zgn& & zy&ll & luxk& &t yz& zot y& &us & y& kyy&kgzot y& &nk&gs kxi g&Zng&xu& yot &gj gkj &nk& id d n&g&fomzy& z&u& &nk&ky& &nk& &uxj &g& &g&ki { xz&ut y& izgt z&Znk& &g&gkj & zng& &nu& z&u&ngy&gi u& t zy& &nk& &k& &c& n& { i qy&

764&Lux&knat gr&dllkkt i ky& &nk&s vks kt zgnut &l &kurdkxen&gnt j gy&kk& ko&lkkt t k> j & T&nkuj uk& ody> j &nk&&lkungvndy&l &i z gne&K~yzi n& kurdlogros 2> zuvij k& 9. 88668@?N?4

774&Punt & orgs yut 2& ng& gnd naut & kgt y&vru &klus 2& &gnt &s kxi gt & Gj p yzs kt z&vuj & {in&gy&gvvkt kj E&j 4&unt & orgs yut & gnd naut 2& 4 4& yz& zk& lux& zkt gnut g&ki ut us o y&??6& 864> j &gqo&gykt 2&uyd n& ut zuvE&u/kont&& d &t &nk&l &/uhgro gnut &T k} &uxq& urf s hog& t qkoy&&ky&??</4

784&G&gs vrd n&l &nk&i nurgynov&t &ng&uv& > &lk& t j & &x& ygt z> j & gs dt & S onk& khr&nk& L> j &nk& uxj > q&yo-z&W kyzut y&yo-z&Ct y} koy> y&R j cm& Ghj kr&lj o&ko&g&T k} &uxq& ut zni&&k| d} &&ky&8676/AS ongr&uij s gt 2& vko&g& Tg& xk&nk& uxj > q> j &ui gr& yzi k&z{ nmky&t &nk&nk&l &/uhgro gnut &T k} & Ng| kt 2& Z&gk& t qkoy&&ky&866</gt j &ugs & nus yq> j &j } gj &4&Nks gt 2&

Melillo

160 Xgj a gr&Nozax€&k| dk &

9? 48

