nrao.edu https://safe.nrao.edu/php/ntc/FEConfig/bp/bp.php?keyheader=8221&fc=40

Most Visited | csql | JavaScript | CHT | CHT Production | EDM FEs | Sencha Forum | Sencha - Learning Ce... | Ext JS 4.0.1 API Docu... | ProcReq | FEs | Band 6 | Bugs | ErrLog | ProcReq

Ext.tip.QuickTipManager - Sencha Docs... | Mixer-Preamp Home | Beam Patterns

Band 3 Beam Patterns

Get Efficiencies

| Scan Info | **Data Tables** | Pointing Angles | Pol 0 Nearfield Plots | Pol 0 Farfield Plots | Pol 1 Nearfield Plots | Pol 1 Farfield Plots |

Taper Efficiency Band 3

GHz	pol	Elevation	Taper Eff
100	0	45	88.31
100	1	45	86.17

Spillover Efficiency Band 3

GHz	pol	Elevation	Spillover Eff
100	0	45	95.16
100	1	45	94.64

Polarization Efficiency Band 3

GHz	pol	Elevation	Peak Cross dB	eta pol + spill	Polarization Eff
100	0	45	19.85	83.74	99.44
100	1	45	19.1	81.16	99.02

Focus Efficiency Band 3

GHz	pol	Elevation	Shift from Focus (mm)	Eff. after subreflector shift	Subreflector Shift (mm)	Eff. if subreflector not shifted
100	0	45	9.6	100	0.03	99.99
100	1	45	7.57	100	0.03	99.99

Phase Center Offset Band 3

GHz	pol	Elevation	X	Y	Z
100	0	45	-6.72	-4.76	209.6
100	1	45	-6.42	-5.84	207.57

Beam Squint Band 3

GHz	Elevation	Squint (%FPBW)	squint (arc seconds)

Band 3 Beam Patterns

Get Efficiencies

| Scan Info | **Data Tables** | Pointing Angles | Pol 0 Nearfield Plots | Pol 0 Farfield Plots | Pol 1 Nearfield Plots | Pol 1 Farfield Plots |

GHz	pol	Elevation	Taper Eff
100	0	45	88.31
100	1	45	86.17

Spillover Efficiency Band 3

GHz	pol	Elevation	Spillover Eff
100	0	45	95.16
100	1	45	94.64

Polarization Efficiency Band 3

GHz	pol	Elevation	Peak Cross dB	eta pol + spill	Polarization Eff
100	0	45	19.85	83.74	99.44
100	1	45	19.1	81.16	99.02

Focus Efficiency Band 3

GHz	pol	Elevation	Shift from Focus (mm)	Eff. after subreflector shift	Subreflector Shift (mm)	Eff. if subreflector not shifted
100	0	45	9.6	100	0.03	99.99
100	1	45	7.57	100	0.03	99.99

Phase Center Offset Band 3

GHz	pol	Elevation	X	Y	Z
100	0	45	-6.72	-4.76	209.6
100	1	45	-6.42	-5.84	207.57

Version:1.1.8

| 100 | 45 | 1.5 | 0.89 |