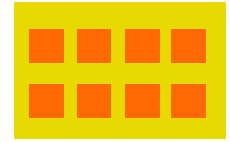
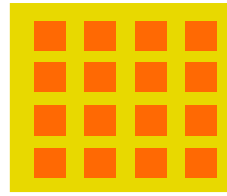
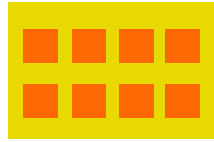
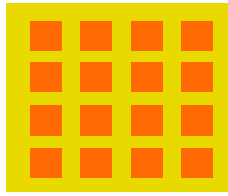


ANTENNA

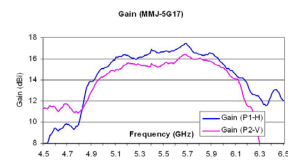
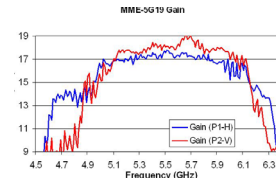
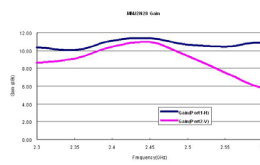


HARDWARE SPECIFICATIONS

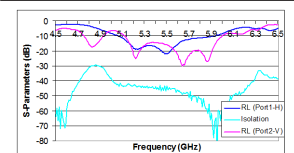
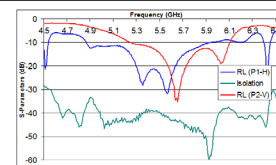
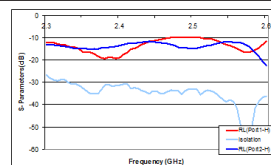
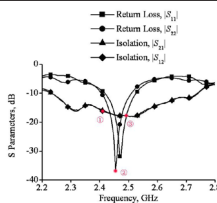
MODEL	24N14	24N11	5N19	5N17
FREQUENCY RANGE	2.4 - 2.5GHz	2.3-2.5GHz	5.1 - 5.9GHz	5.1 - 5.9GHz
POLARITY	Dual – Polarization (Vertical & Horizontal)	Dual – Polarization (Vertical & Horizontal)	Dual – Polarization (Vertical & Horizontal)	Dual – Polarization (Vertical & Horizontal)
GAIN	14dBi	11dBi	19dBi	17dBi
RADIATION	Directional	Directional	Directional	Directional
AZIMUTH-3dB BEAMWIDTH	30 degrees	Horizontal(Port 1): 56 degrees Vertical(Port 2): 62degrees	Horizontal(Port 1): 17 degrees Vertical(Port 2): 17degrees	Horizontal(Port 1): 30 degrees Vertical(Port 2): 33degrees
ELEVATION-3dB BEAMWIDTH	30 degrees	Horizontal(Port 1): 38 degrees Vertical(Port 2): 26 degrees	Horizontal(Port 1): 17 degrees Vertical(Port 2): 17 degrees	Horizontal(Port 1): 17 degrees Vertical(Port 2): 17 degrees
ISOLATION	-17dB (Max)	-30dB (Max)	-40dB (Max)	-40dB (Max)
FRONT-TO-BACK RATIO	-25 dB (Max)	-24dB (Max)	-25dB (Max)	-30dB (Max)
VSWR	≥ 1.22:1	Horizontal (Port 1) : < 1: 97 Vertical (Port 2): < 1: 1.67	Horizontal(Port 1): <1: 1.87 Vertical(Port 2): <1: 2.00	Horizontal (Port 1) : < 1: 1.87 Vertical (Port 2): < 1: 1.55
SIDELOBE	N/A	<-12dB	<-12dB	<-12dB
CROSS POLARISATION ISOLATION	N/A	-30dB (Max)	-27dB (Max)	-28dB (Max)

GAIN PLOT

N/A



RETURN LOSS AND ISOLATION PLOT



RADIATION PATTERN

