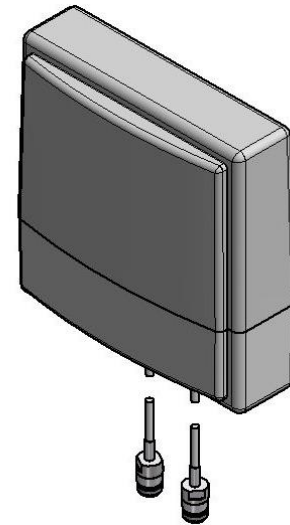


# Multi-Band Mimo Patch Antenna

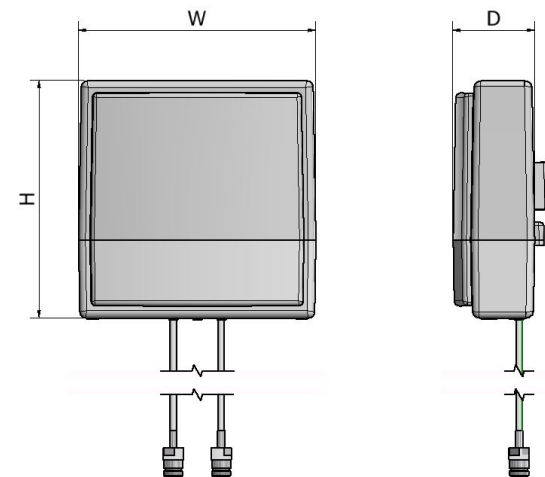
819~960, 1710~2690, 3350~3900 MHz / 4dBi, 6dBi, 7dBi

## Patch\_7dBi\_MIMO\_3.5Ghz

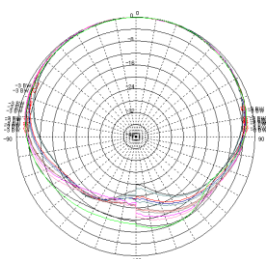
i. Electrical Specification				
Frequency Range (MHz)	819 ~ 960	1710 ~ 2690	3350~3900	
Polarization	± 45°			
Band Width	141 MHz	980 MHz	550 MHz	
Gain	≥ 4 dBi	≥ 6 dBi	≥ 7 dBi	
Beam width	Horizontal	90 ~ 180°	40 ~ 90°	20 ~ 60°
	Vertical	90 ~ 160°	40 ~ 90°	20 ~ 60°
F-B ratio (180 ± 30°)	7dB	15dB	12dB	
Isolation	17dB	17dB	17dB	
VSWR	1 : 1.9	1 : 1.9	1 : 1.9	
Impedance	50 Ω			
IMD (3rd)	≤ -140 dBc @ 2x37dBm			
Maximum input power	≤ 10 W			



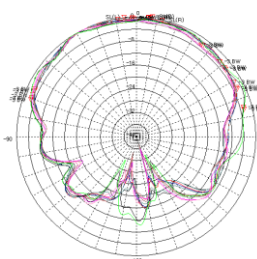
ii. Mechanical Specification	
Radom Dimension ( HxWxD )	200 x 200 x 70 mm (LGU+규격:220x220x70 mm)
Weight ( Exclude bracket )	≤ 2 kg
Connector Type	N-Female X 2
Radiator Material	황동, AL, PCB(부식방지처리)
Radome Material	ABS / ASA / Anti-UV-PVC 중 택1
Radome Color	회색, 흰색, 아이보리색 중 택1
Mechanical Tilt	Up, Down ± 90°
	Left, Right ± 90°
Vibration	3Grms
Temperature	-40 °C ~ 70 °C



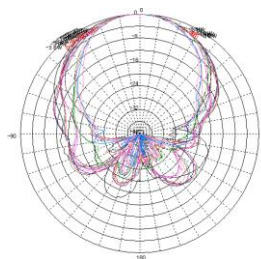
## iii. Radiation Pattern



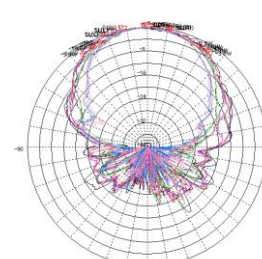
Horizontal Pattern  
(819~960 MHz)



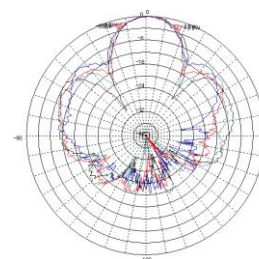
Vertical Pattern  
(819~960 MHz)



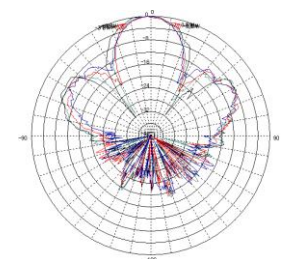
Horizontal Pattern  
(1710~2690 MHz)



Vertical Pattern  
(1710~2690 MHz)



Horizontal Pattern  
(3400~3700 MHz)



Vertical Pattern  
(3400~3700 MHz)