

# ATM220 Antenna Spec.

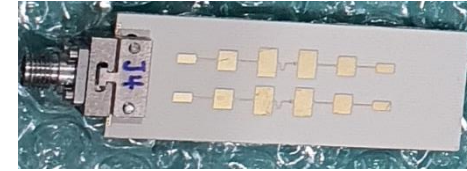
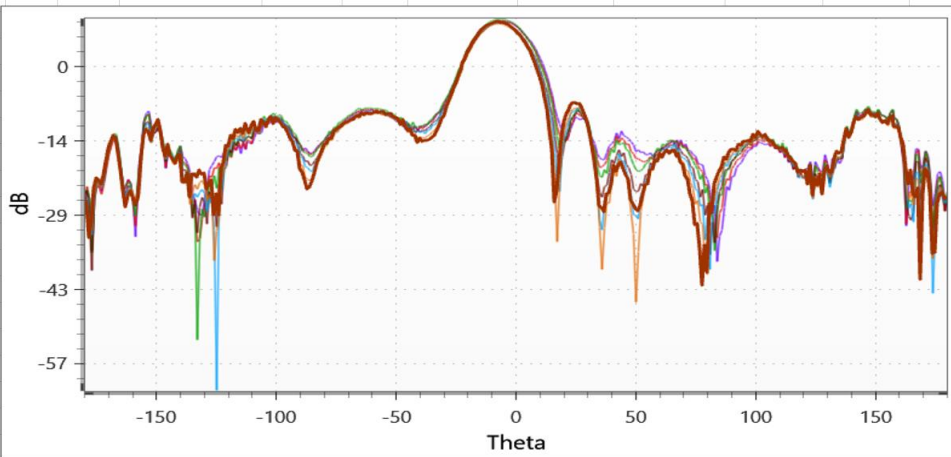
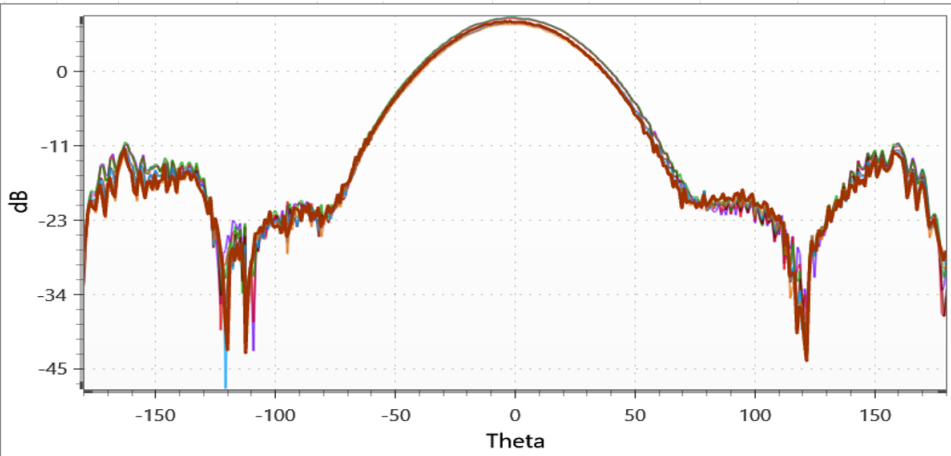
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## - ANT. Spec.

List	Item
ANT. Type	Patch array Antenna
Operation Frequency	24.00GHz ~ 24.25GHz
Gain	Tx & Rx : 11.06 dBi
Polarization	Vertical Polarization
Manufacturer/Model name	bitsensing / ATM220-F03-A02
Measurement Site	C&G MICROWAVE

# ATM220-F03-A02

## - Measurement Results



Num	Freq.	Pol	BP.Value	BP.Pos	SLL L1.Level	SLL L1.Pos	SLL R1.Level	SLL R1.Pos	BW.Value
1	24	Vertical(Peak)	8.15	-5	17.108	-60	0.01	-1	50.93
2	24.05	Vertical(Peak)	8.126	-1	19.024	-63	17.404	58	50.363
3	24.1	Vertical(Peak)	8.351	-1	17.655	-61	0.346	6	49.314
4	24.15	Vertical(Peak)	7.495	-1	0.044	-4	19.28	160	48.968
5	24.2	Vertical(Peak)	7.526	2	0.001	-4	18.653	59	48.892
6	24.25	Vertical(Peak)	7.21	-5	19.542	-163	0.034	2	49.146
7	24.3	Vertical(Peak)	7.536	-2	0.001	-4	16.752	55	49.166

➔ **Ant. Peak Gain: 11.06 [dB]**

- Inband Peak Gain : 9.06 [dB] @24.1[GHz]
- Connector Loss : 2.0 [dB]

Num	Freq.	Pol	BP.Value	BP.Pos	SLL L1.Level	SLL L1.Pos	SLL R1.Level	SLL R1.Pos	BW.Value
1	24	Horizontal(Peak)	8.753	-6	17.073	-60	16.983	147	20.012
2	24.05	Horizontal(Peak)	8.75	-7	16.946	-58	16.87	147	20.025
3	24.1	Horizontal(Peak)	9.066	-7	17.041	-63	16.811	147	19.854
4	24.15	Horizontal(Peak)	8.328	-6	17.071	-61	16.72	26	19.402
5	24.2	Horizontal(Peak)	8.453	-7	17.059	-59	16.472	26	19.053
6	24.25	Horizontal(Peak)	8.145	-7	17.018	-57	16.057	27	18.836
7	24.3	Horizontal(Peak)	8.46	-8	17.227	-58	15.577	25	18.862

\*\*\* all measurements were performed radiated and therefore additional antenna gain documentation is not required.

# ATM220 안테나 구성

- ANT. Size: 19cm X 9cm
- ANT. Array:

