

GTT 5G Antenna (Global)

617~960 / 1176&1575 / 1710~2200 / 2300~2690 / 3300~4200 / 5150~5925 MHz

GTT P/N: OA-L71-05-03A-C5-5G

Preliminary



Support Band	LTE BAND	FDD	1,2,3,4,5,7,8,12,13,14,25,26,28,30,66,71
		TDD	41,42,43,48
	FR1	FDD	n1,n2,n3,n5,n7,n8,,n12,n14,n28,n30,n66,n71
		TDD	n38,n41,n46,n77,n78
	GNSS	na	L1,L5

✓ RF Specification (Straight)

Frequency Range	617~960	GNSS L1/L5	1710~2200	2300~2690	3300~4200	5150~5925
Polarization	Linear, Vertical					
HPBW / Horizontal	360°					
HPBW / Vertical	60°					
Peak Gain	2.1 dBi max.	0.7 dBi max.	0.3 dBi max.	3.0 dBi max.	2.6 dBi max.	2.2 dBi max.
Efficiency	26% min.	34% min.	35% min.	54% min.	37% min.	48% min.
VSWR	4.0 max.:1		3.0 max.:1			
Power Handling	2W(cw)					
Impedance	50 Ohms					
Connector	SMA Plug					

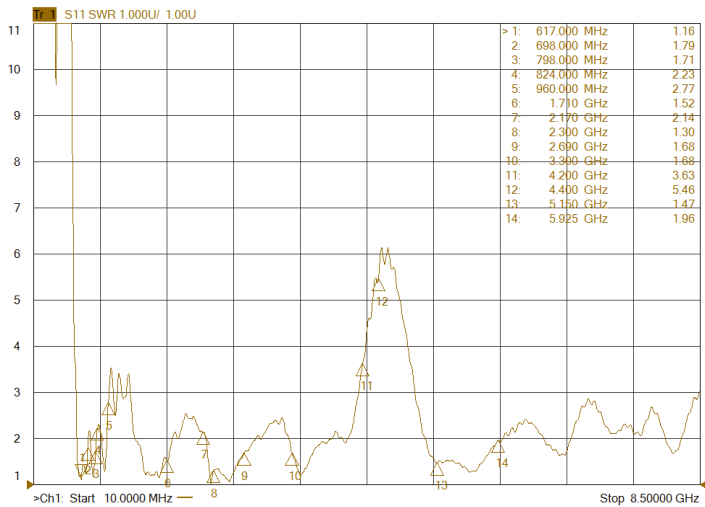
✓ Environmental & Mechanical Characteristics

- Temperature: -30°C to +70°C
- Humidity: 95% @55°C
- Antenna Housing Color: Black
- Antenna Housing Material: PC
- Weight : 18.5 g
- Dimensions: 179.1(L)x38.5(W)x13.0(OD)mm

Performance Summary (Straight)

VSWR

Frequency(MHz)	617~ 960	GNSS L1/L5	1710~ 2200	2300~ 2690	3300~ 4200	5150~ 5925
VSWR	4.0 max.:1		3.0 max.:1			



Gain Table

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
617	46%	-3.4	1.2
652	39%	-4.1	0.8
663	36%	-4.4	0.6
698	35%	-4.6	0.9
710	38%	-4.2	1.3
734	42%	-3.7	1.8
751	45%	-3.4	2.1
768	44%	-3.5	2.0
798	37%	-4.3	1.5
824	31%	-5.1	1.1
849	29%	-5.4	1.2
869	29%	-5.3	1.2
894	31%	-5.1	1.4
925	31%	-5.1	1.4
960	29%	-5.4	1.3

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
1176	34%	-4.7	-0.8
1575	60%	-2.2	0.5
1602	60%	-2.2	0.7

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
1710	51%	-3.0	0.3
1805	43%	-3.7	-0.8
1880	39%	-4.0	-1.3
1920	38%	-4.2	-1.4
2110	37%	-4.3	-1.5
2170	34%	-4.7	-0.9
2200	39%	-4.1	-0.5

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
2300	54%	-2.7	0.7
2305	55%	-2.6	0.8
2315	57%	-2.5	0.8
2350	62%	-2.1	0.7
2360	63%	-2.0	0.8
2400	67%	-1.8	1.4
2500	74%	-1.3	3.0
2595	77%	-1.1	3.0
2690	72%	-1.4	2.1

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
3300	68%	-1.6	1.5
3400	77%	-1.2	2.3
3550	68%	-1.7	2.4
3600	70%	-1.5	2.5
3700	71%	-1.5	2.6
3800	67%	-1.7	2.0
3900	57%	-2.5	1.1
4000	53%	-2.7	1.5
4100	48%	-3.2	0.5
4200	37%	-4.3	-0.9

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
5150	62%	-2.1	2.1
5500	61%	-2.1	2.2
5850	51%	-2.9	1.9
5925	48%	-3.2	1.8

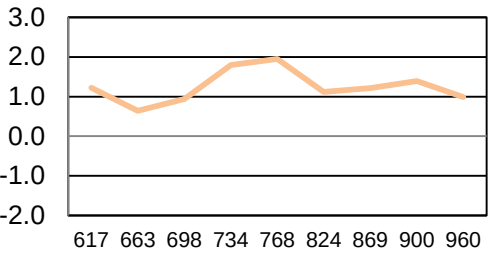
Gain Table

Peak Gain

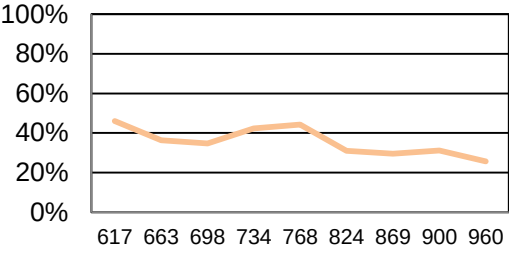
EFFICIENCY

Average Gain

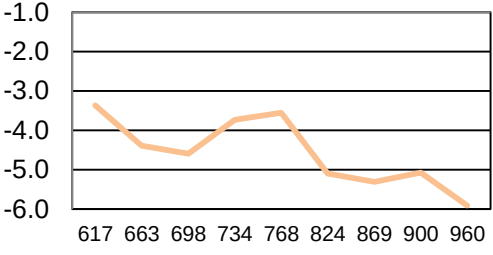
617MHz~960MHz



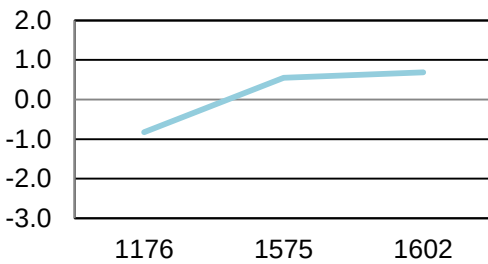
617MHz~960MHz



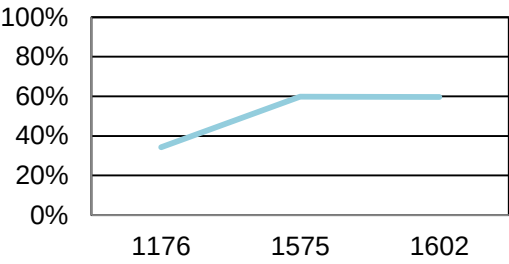
617MHz~960MHz



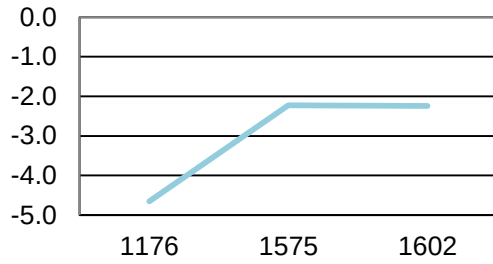
1176MHz~1602MHz GNSS



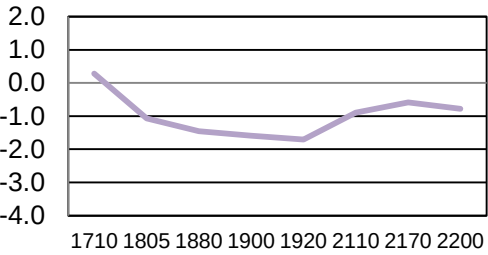
1176MHz~1602MHz GNSS



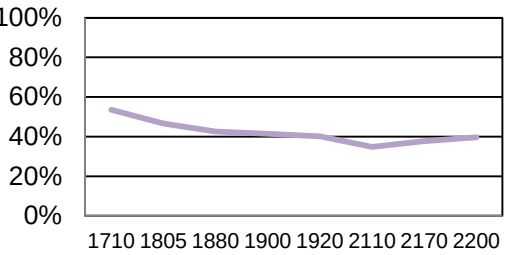
1176MHz~1602MHz GNSS



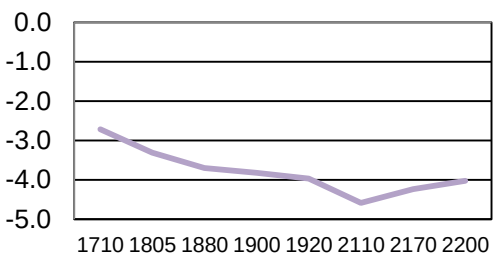
1710MHz~2200MHz



1710MHz~2200MHz



1710MHz~2200MHz



Gain Table

Peak Gain

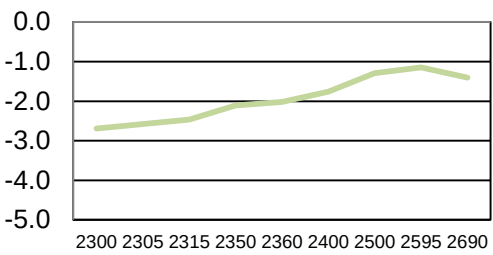
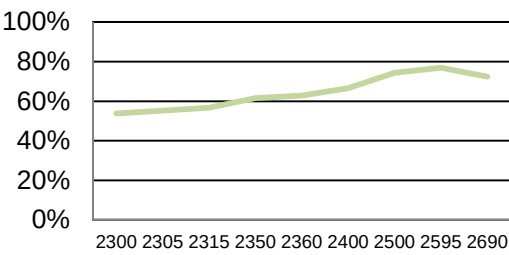
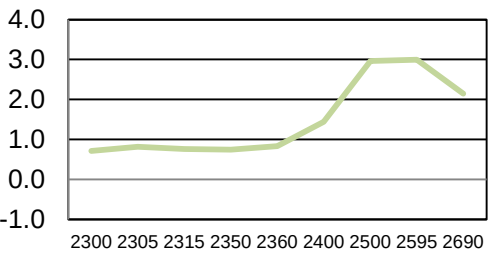
EFFICIENCY

Average Gain

2300MHz~2690MHz

2300MHz~2690MHz

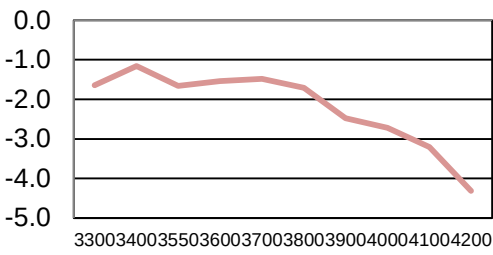
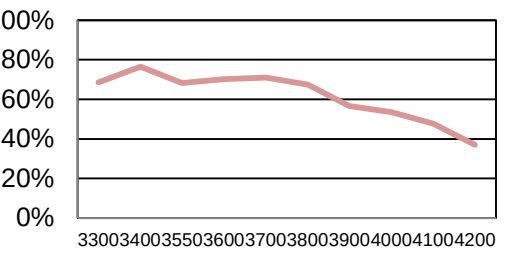
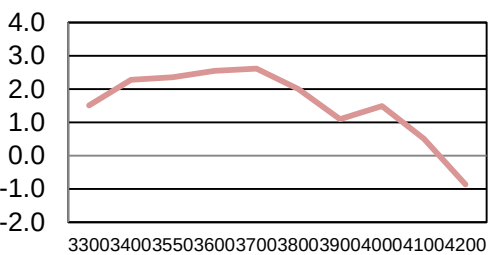
2300MHz~2690MHz



3300MHz~4200MHz

3300MHz~4200MHz

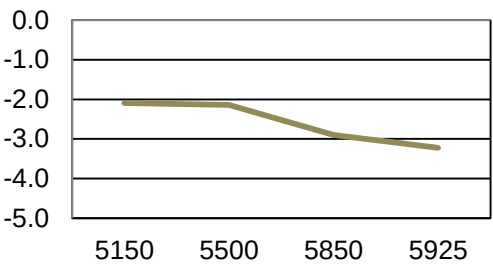
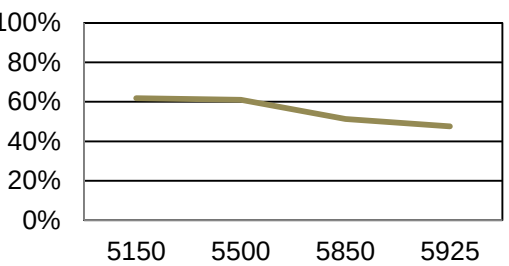
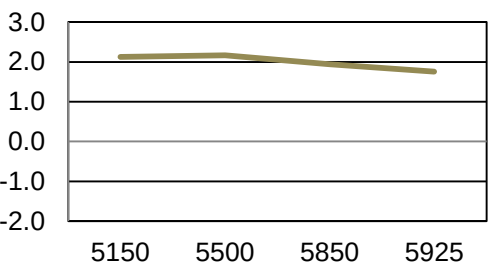
3300MHz~4200MHz



5150MHz~5925MHz

5150MHz~5925MHz

5150MHz~5925MHz



Radiation Pattern

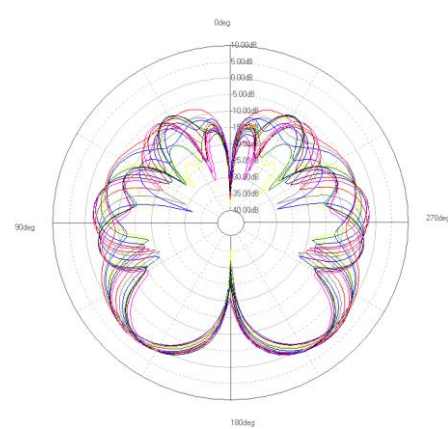
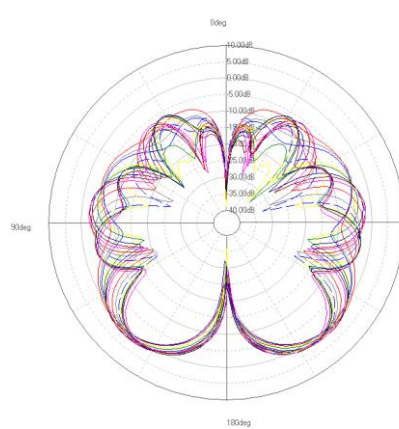
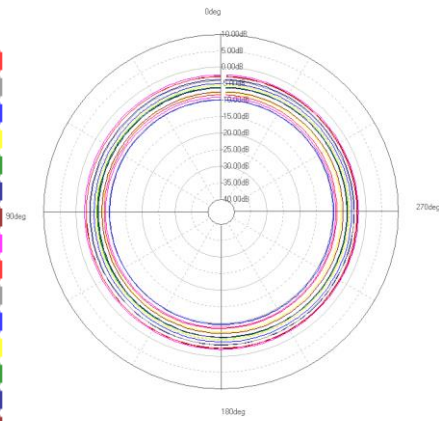
XY-plane

YZ-plane

ZX-plane

Legend

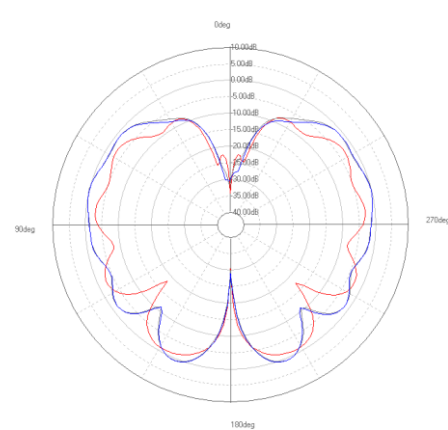
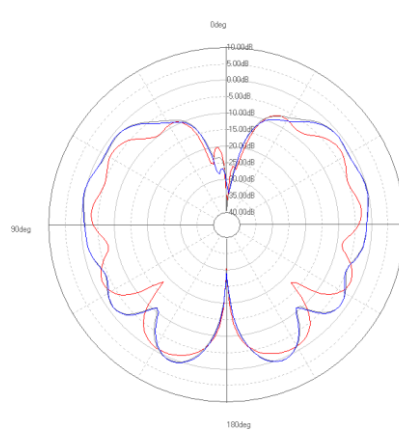
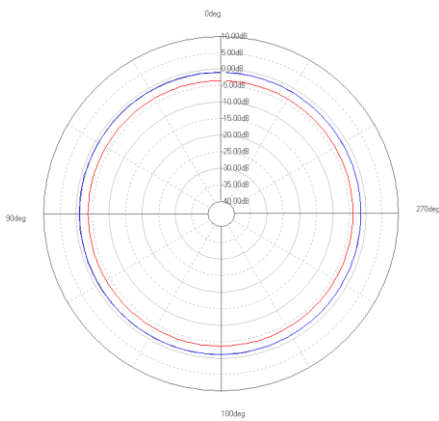
617.00(MHz)
 652.00(MHz)
 663.00(MHz)
 698.00(MHz)
 710.00(MHz)
 734.00(MHz)
 751.00(MHz)
 768.00(MHz)
 798.00(MHz)
 824.00(MHz)
 849.00(MHz)
 869.00(MHz)
 894.00(MHz)
 925.00(MHz)
 960.00(MHz)



GNSS

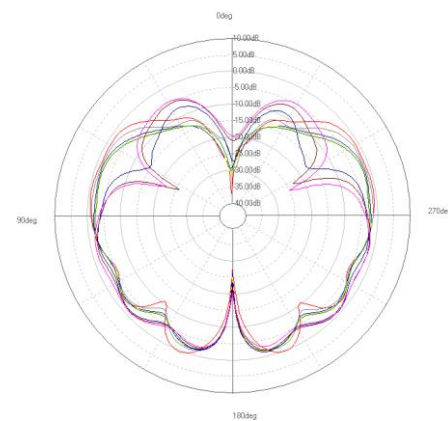
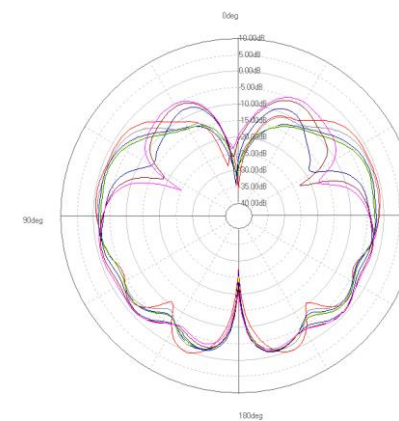
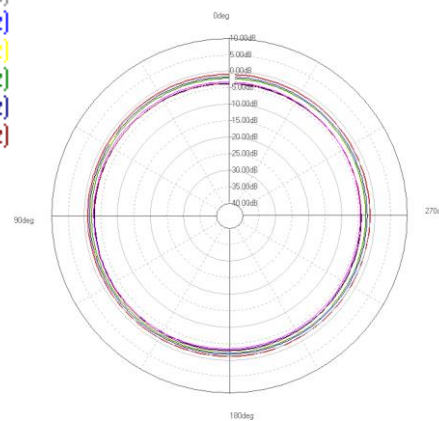
Legend

1176.00(MHz)
 1575.00(MHz)
 1602.00(MHz)



Legend

1710.00(MHz)
 1805.00(MHz)
 1880.00(MHz)
 1920.00(MHz)
 2110.00(MHz)
 2170.00(MHz)
 2200.00(MHz)



Radiation Pattern

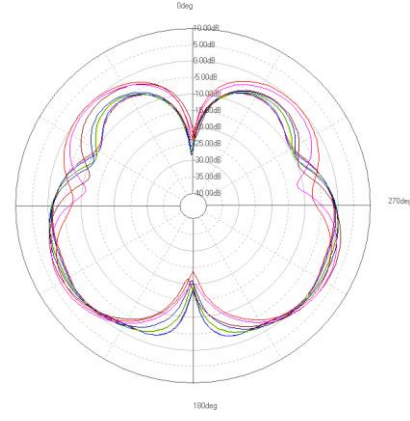
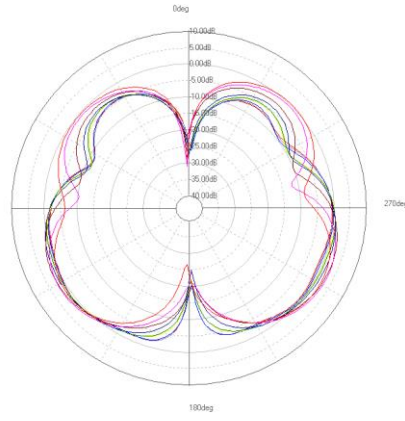
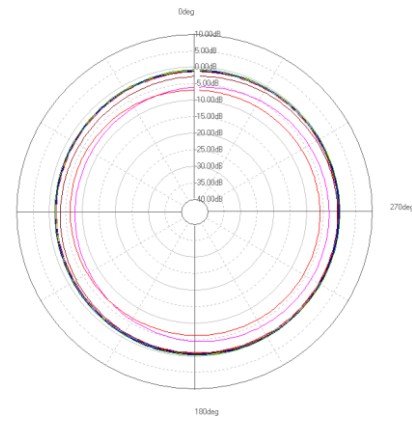
XY-plane

YZ-plane

ZX-plane

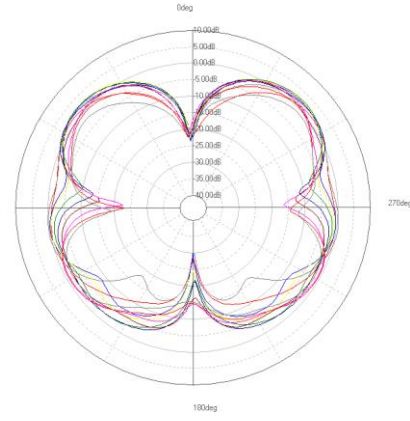
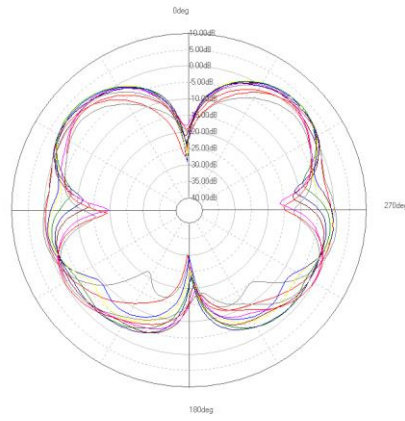
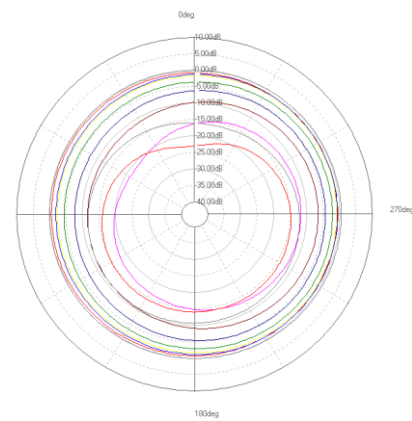
Legend

2300.00(MHz)
 2305.00(MHz)
 2315.00(MHz)
 2350.00(MHz)
 2400.00(MHz)
 2500.00(MHz)
 2595.00(MHz)
 2690.00(MHz)



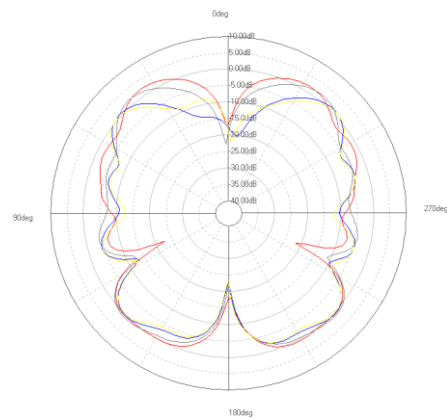
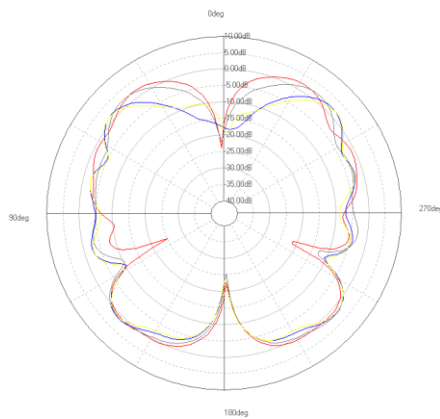
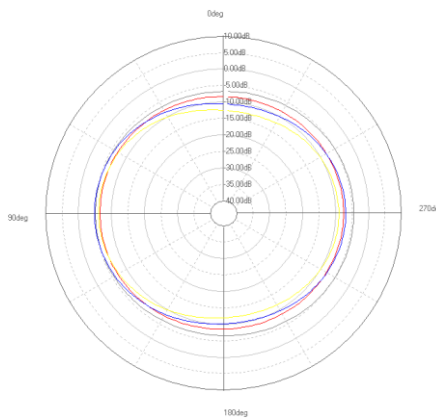
Legend

3300.00(MHz)
 3400.00(MHz)
 3550.00(MHz)
 3600.00(MHz)
 3700.00(MHz)
 3800.00(MHz)
 3900.00(MHz)
 4000.00(MHz)
 4100.00(MHz)
 4200.00(MHz)

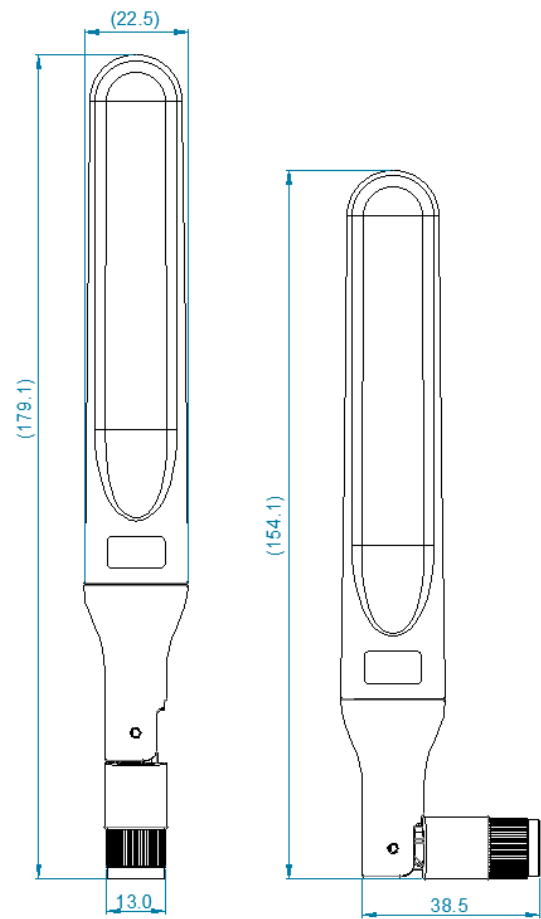


Legend

5150.00(MHz)
 5500.00(MHz)
 5850.00(MHz)
 5925.00(MHz)



Dimension(unit: mm)



GTT P/N: OA-L71-05-03A-C5-5G

GTT P/N: OA-L71-05-03A-C5W-5G