

WIDE-BAND ANTENNA, 4G/LTE/5G CELLULAR NETWORKS, INDOOR SMA SWIVEL
INTERFACE, 600MHZ – 6GHZ



TECHNICAL DATA

Antenna Band	Wide-Band
Antenna Bandwidth - 4G & LTE	1427~1559, 1710~2200, 2300~2690MHz, 617~960
Antenna Bandwidth - 5G & 5G Redcap	3300~3800, 4400~5000, 5150~5850MHz
Antenna Dimensions	210.0(L)x42.0(W)x13.0(OD)mm
Antenna Efficiency - 4G/LTE	36% min, 51% min, 64% min, 71% min
Antenna Interface	SMA
Antenna Peak Gain	1.3 dBi Max, 2.1 dBi Max, 3.3 dBi Max, 3.4 dBi Max, 3.7 dBi Max, 4.0 dBi Max
Product Brand	GTT Wireless
Product Colour	Black
Product Environmental Certificates	RoHS Compliant
Product Frequency Range	600MHz - 6GHz

Product Humidity Range	95% @ 55°C
Product Impedence	50 Ohms
Product Material	ABS - Acrylonitrile Butadiene Styrene Plastic
Product Power Handling	2W(cw)
Product Temperature Range	-30°C to +70°C
Product Vswr	2.5 max.:1, 4.0 max.:1
Product Connector Type	SMA
Antenna Efficiency - 5G & 5G Redcap	62% min, 68% min, 77% min
USHTS	8517710000
ECCN	EAR99
Product Category	Antenna

TECHNICAL DIAGRAMS

GTT 5G Antenna (Global) FR1 Antenna Range

2400~2500 / 5150~5850 / 5925~7125 MHz



Environmental & Mechanical Characteristics

Ingress Protection Rate : IP67 - water-resistant to 1m for 30 mins. Resistant to dust.
Dimensions: 163.7 (L) x 32.7 (W) x 13.0 (OD) mm
Temperature: -30°C to +70°C
Humidity: 95% @55°C
Antenna Housing Material: PC UV Resistance
Antenna Housing Colour: Black
Weight: 25.3g



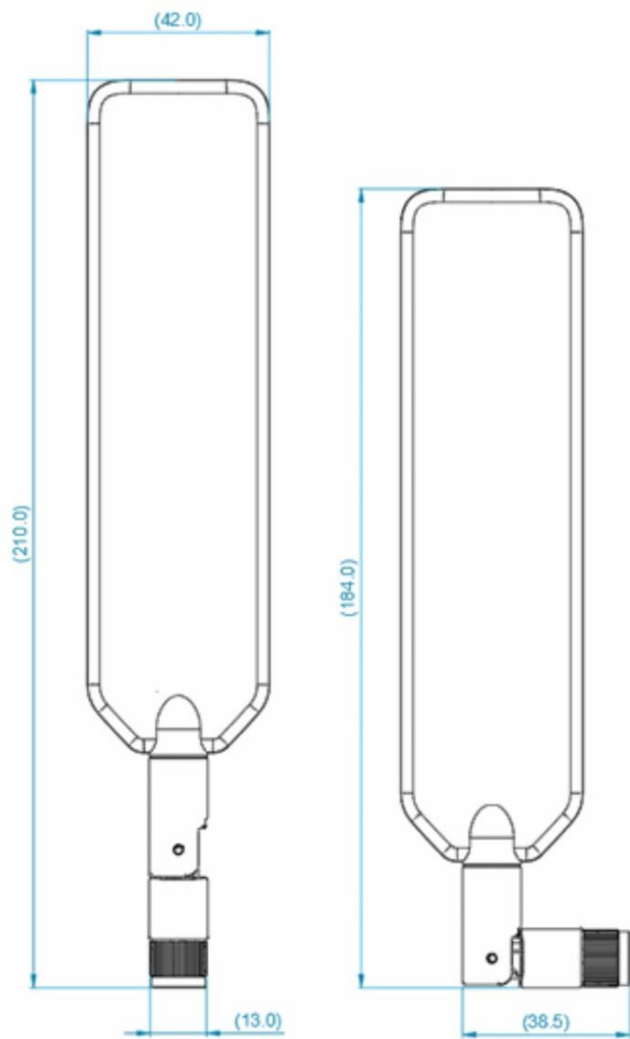
Support Band

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,n79
GNSS	na	L1,L5

RF Specification

Frequency Range (MHz)	617 ~ 960	GNSS L1/L5	1710 ~ 2200	2300 ~ 2690	3300 ~ 4200	5150 ~ 5925
Polarization	Linear, Vertical					
HPBW Horizontal	360°					
HPBW Vertical	60°					
Peak Gain	2.8 dBi	2.4 dBi	2.9 dBi	3.9 dBi	3.5 dBi	4.0 dBi
Efficiency	42% min	50% min	54% min	68% min	43% min	53% min
VSWR	4.0 Max:1			3.0 Max:1		
Power Handling	2W(cw)					
Impedance	50 Ohms					
Connector	SMA Plug					

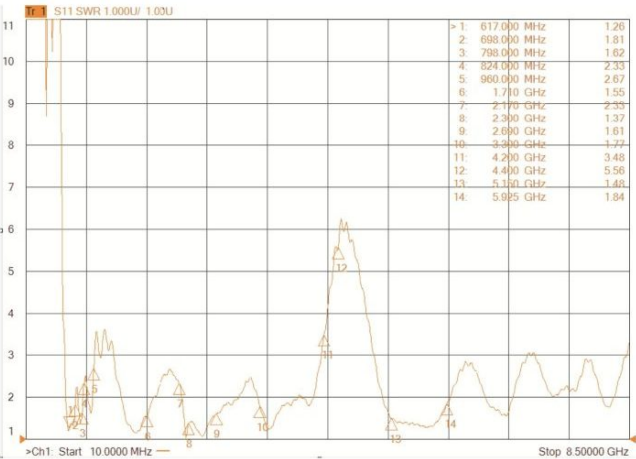
Dimension (unit:mm)



S-PARAMETERS

Performance Summary

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



Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
1176	50%	-3.0	1.6
1575	82%	-0.9	2.4
1602	82%	-0.9	2.3

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
1710	76%	-1.2	2.3
1805	67%	-1.7	1.9
1880	62%	-2.1	1.9
1900	62%	-2.1	2.1
1920	60%	-2.2	2.1
2110	56%	-2.5	2.9
2170	56%	-2.5	2.9
2200	54%	-2.6	2.7

Gain Table

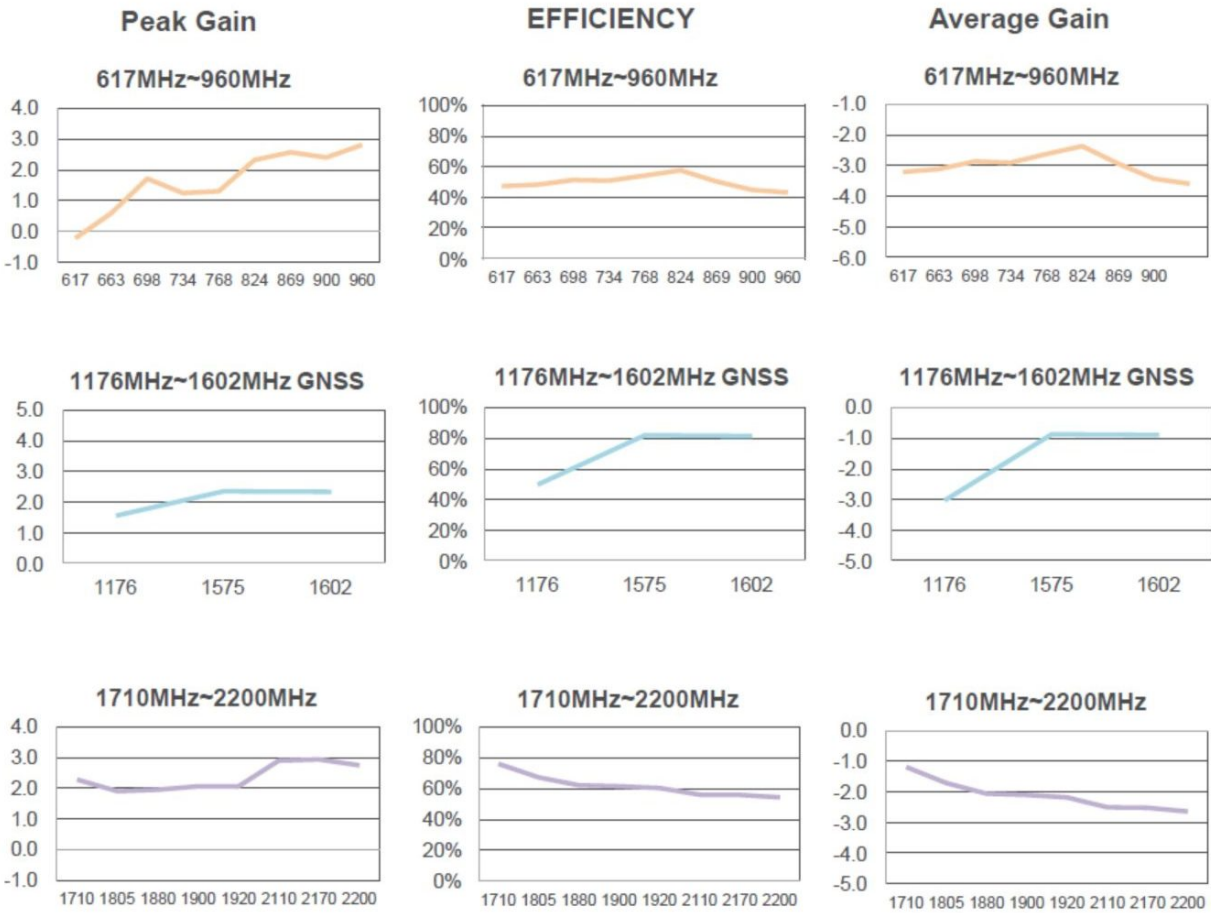
Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
617	48%	-3.2	-0.2
652	47%	-3.3	0.1
663	49%	-3.1	0.6
698	52%	-2.9	1.7
710	52%	-2.8	1.7
734	51%	-2.9	1.2
751	52%	-2.8	1.2
768	55%	-2.6	1.3
798	59%	-2.3	1.8
824	58%	-2.4	2.3
849	55%	-2.6	2.6
869	51%	-2.9	2.6
894	46%	-3.4	2.4
900	45%	-3.4	2.4
925	42%	-3.8	2.3
960	44%	-3.6	2.8

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
2300	68%	-1.7	3.5
2305	70%	-1.6	3.7
2315	72%	-1.4	3.8
2350	76%	-1.2	3.9
2360	77%	-1.2	3.9
2400	77%	-1.2	3.5
2500	75%	-1.3	2.9
2595	77%	-1.1	3.7
2690	76%	-1.2	3.2

Frequency (MHz)	3D		
	Efficiency	Avg. Gain	Peak Gain
3300	70%	-1.6	1.7
3400	75%	-1.2	2.3
3550	69%	-1.6	2.5
3600	70%	-1.5	2.8
3700	72%	-1.5	2.7
3800	69%	-1.6	2.4
3900	63%	-2.0	2.6
4000	62%	-2.1	3.5
4100	55%	-2.6	2.9
4200	43%	-3.7	1.4

PEAK GAIN

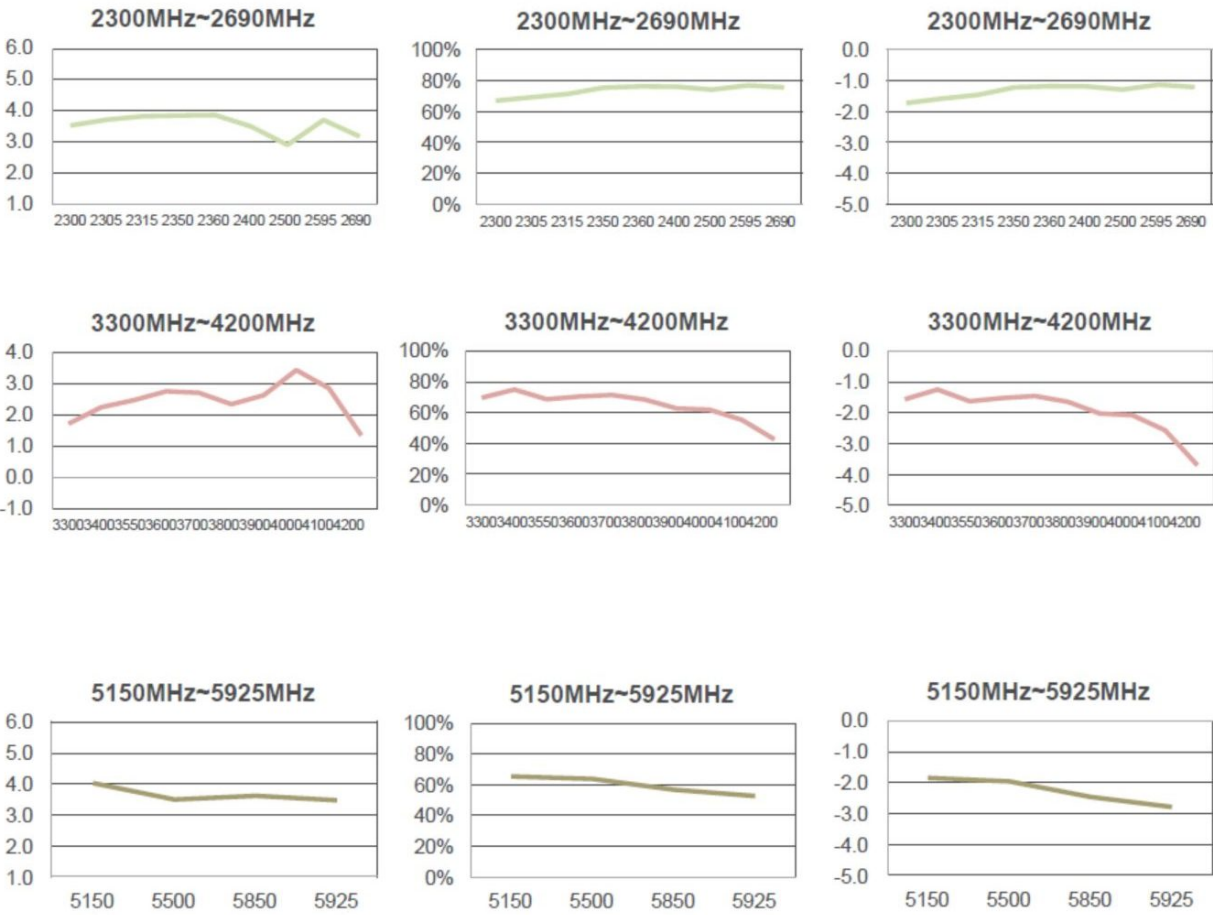
Gain Table



Peak Gain

EFFICIENCY

Average Gain



RADIATION PATTERN

