

1. Basic information

5G/4G Terminal Mount Monopole Antenna

Part No: TG.55.8113

Description: 5G/4G Terminal Mount Monopole Antenna with 90° Hinged SMA (M)

Manufacturer:

Features:

Covering Sub 6GHz 5G NR Bands

Covering Worldwide 4G Bands

600MHz-6GHz Bandwidth

High Efficiency up to 80%

3G/2G Fallback

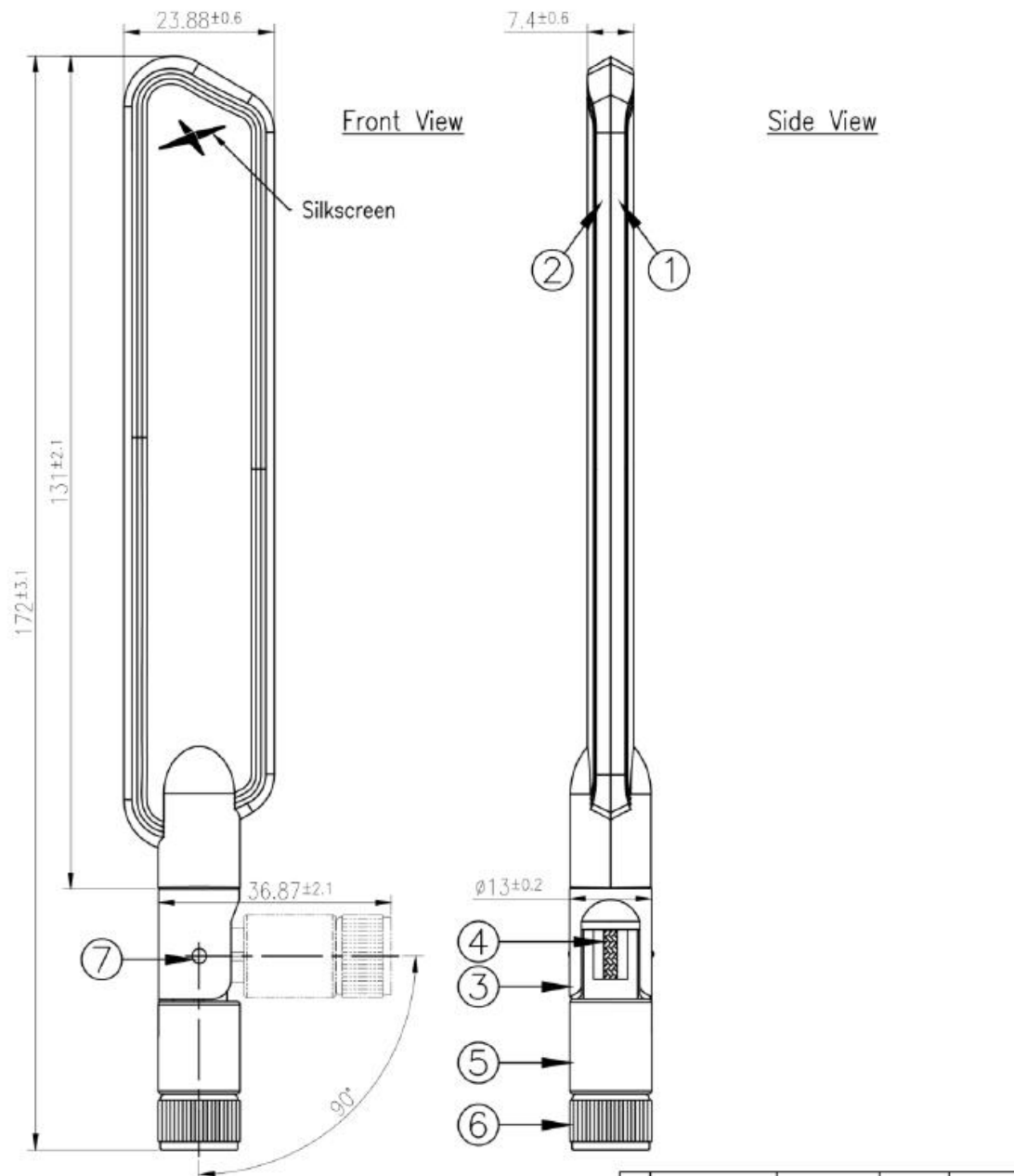
90° Hinged Right Angle SMA (M) Connector

Straight Dimensions: 172 x 23.9 x 13 mm

Right Angle Dimensions: 148 x 42.4 x 13 mm

RoHS & REACH Compliant

2. Antenna Drawing(Units:mm)



3. Peak Gain

Band	Freq. Range	Ant 0 Gain (dBi)	Ant 1 Gain (dBi)
2.4 WLAN	2.4-2.4385GHz	-2.04	-2.04
5G WLAN	5.15~5.25GHz	-4.13	-4.13
	5.25~5.35GHz	-3.98	-3.98
	5.47~5.725GHz	-0.68	-0.68
	5.725~5.850GHz	-1.42	-1.42

WCDMA Band					
Band	Freq. Range	Ant 0 Gain (dBi)	Ant 1 Gain (dBi)	Ant 2 Gain (dBi)	Ant 3 Gain (dBi)
Band (2)	1850~1910	-0.48			-0.48
Band (4)	1710~1755	-1.45			-1.45
Band (5)	824~849	-0.48			-1.35
Band (8)	830~840				
Band (19)	830~845	-1.35			-1.35

LTE FDD Band					
Band	Freq. Range	Ant 0 Gain (dBi)	Ant 1 Gain (dBi)	Ant 2 Gain (dBi)	Ant 3 Gain (dBi)
LTE Band (2)	1850~1910	-0.48	-0.48	-0.48	-0.48
LTE Band (4)	1710~1755	-1.45	-1.45	-1.45	-1.45
LTE Band (5)	824~849	-1.35			-1.35
LTE Band (7)	2500~2570	-0.56	-0.56	-0.56	-0.56
LTE Band (12)	698~716	-5.75			-5.75
LTE Band (13)	777~787	-4.92			-4.92
LTE Band (14)	788~798	-4.46			-4.46

LTE Band (17)	704~716	-5.75			-5.75
LTE Band (25)	1850 ~1915	-0.48	-0.48	-0.48	-0.48
LTE Band (26)	814 ~849	-1.35			-1.35
LTE Band (30)	2305 ~2315	-1.95	-1.95	-1.95	-1.95
LTE Band (66)	1710 ~1780	-1.45	-1.45	-1.45	-1.45
LTE Band (71)	663 to 698	-5.87			-5.87
LTE TDD Band					
Band	Freq. Range	Ant 0 Gain (dBi)	Ant 1 Gain (dBi)	Ant 2 Gain (dBi)	Ant 3 Gain (dBi)
T-LTE Band (38)	2570~2620	0.04	0.04	0.04	0.04
T-LTE Band (41)	2496~2690	0.28	0.28	0.28	0.28
T-LTE Band (42)	3400~3600	-1.24	-1.24	-1.24	-1.24
T-LTE Band (43)	3600~3800	-2.45	-2.45	-2.45	-2.45
T-LTE Band (48)	3550 ~3700	-1.84	-1.84	-1.84	-1.84

5G NR FDD Band					
Band	Freq. Range	Ant 0 Gain (dBi)	Ant 1 Gain (dBi)	Ant 2 Gain (dBi)	Ant 3 Gain (dBi)
n2	1850~1910	-0.48	-0.48	-0.48	-0.48
n5	824~849	-1.35			-1.35
n7	2500~2570	-0.56	-0.56	-0.56	-0.56
n12	698~716	-5.75			-5.75
n13	777~787	-4.92			-4.92
n14	788~798	-4.46			-4.46
n25	1850 ~1915	-0.48	-0.48	-0.48	-0.48
n26	814 ~849	-1.35			-1.35

n30	2305 ~2315	-1.95	-1.95	-1.95	-1.95
n66	1710 ~1780	-1.45	-1.45	-1.45	-1.45
n70	1695 ~1710	-1.45	-1.45	-1.45	-1.45
n71	663 ~ 698	-5.87			-5.87
5G NR TDD Band					
Band	Freq. Range	Ant 0 Gain (dBi)	Ant 1 Gain (dBi)	Ant 2 Gain (dBi)	Ant 3 Gain (dBi)
n38	2570~2620	0.04	0.04	0.04	0.04
n41	2496~2690	0.28	0.28	0.28	0.28
n48	3550 ~3700	-1.84	-1.84	-1.84	-1.84
n77	3300 ~4200	-1.24	-1.24	-1.24	-1.24
n78	3300 ~3800	-1.24	-1.24	-1.24	-1.24