

DATASHEET

Wi-Fi HaLow Omni Antenna ANTNM93003004002



DESCRIPTION

900-930 Mhz 3 DBi Omni Antenna

Electrical Properties

Frequency Range	900-930 Mhz
V.S.W.R	2.0 MAX
Radiation	Omni
Gain	3 DBi
Polarization	Vertical
Impedance	50 Ω

Mechanical & Environmental

Whip	
Standard Connector	SMA PLUG
Weight	4.5g
Operating Temp	- 20°C ~ + 65°C

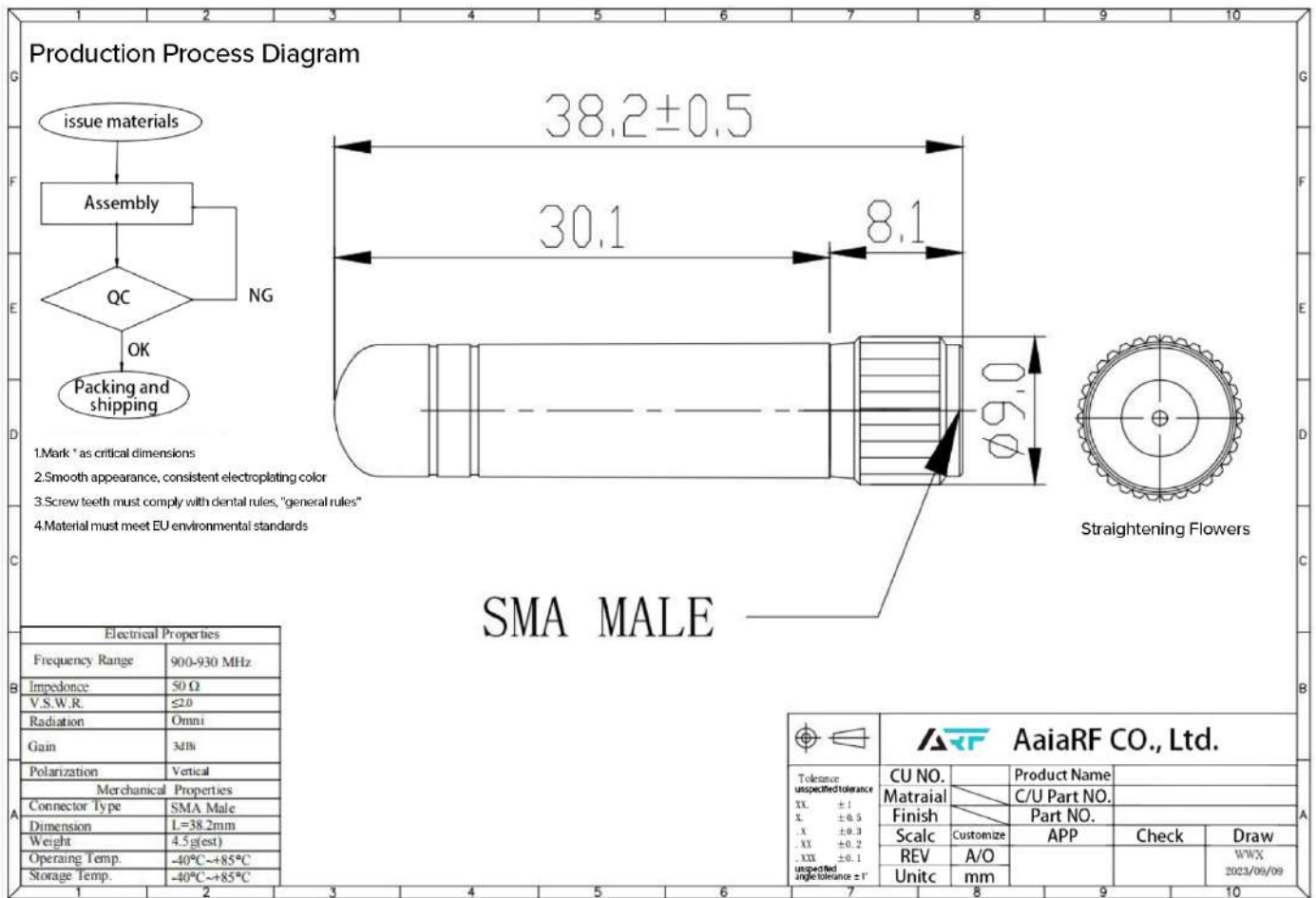
Version: 1.0

Release date: 2023-10-11

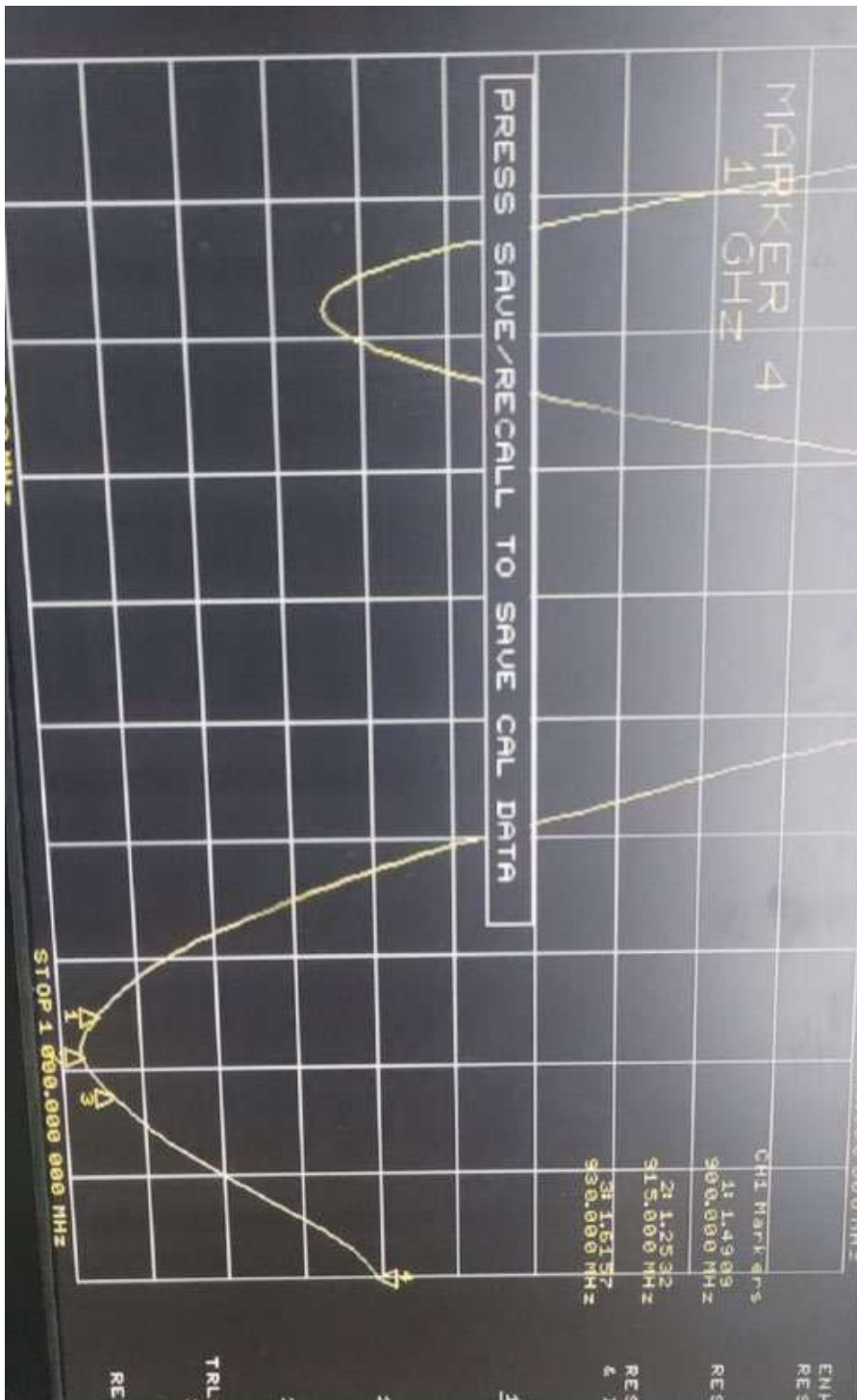
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Organizational Chart



V.S.W.R Report



Gain Test Report

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	890.0	895.0	900.0	905.0	910.0	915.0	920.0	925.0	930.0	935.0	940.0
Point Values											
Ant. Port Input Pwr. (dBm)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tot. Rad. Pwr. (dBm)	-1.07	-0.91	-0.80	-0.80	-0.80	-0.77	-0.78	-0.88	-0.95	-0.98	-1.13
Peak EIRP (dBm)	2.85	3.17	3.34	3.38	3.42	3.51	3.56	3.42	3.39	3.35	3.20
Directivity (dBi)	3.92	4.08	4.14	4.18	4.23	4.27	4.34	4.31	4.33	4.33	4.33
Efficiency (dB)	-1.07	-0.91	-0.80	-0.80	-0.80	-0.77	-0.78	-0.88	-0.95	-0.98	-1.13
Efficiency (%)	78.10	81.20	83.10	83.20	83.10	83.80	83.60	81.60	80.40	79.70	77.10
Gain (dBi)	2.85	3.17	3.34	3.38	3.42	3.51	3.56	3.42	3.39	3.35	3.20
NHPRP $\pm$ Pi/4 (dBm)	-1.84	-1.64	-1.50	-1.47	-1.46	-1.41	-1.40	-1.50	-1.57	-1.60	-1.73
NHPRP $\pm$ Pi/6 (dBm)	-3.01	-2.81	-2.68	-2.67	-2.68	-2.66	-2.69	-2.82	-2.90	-2.95	-3.12
NHPRP $\pm$ Pi/8 (dBm)	-4.17	-3.97	-3.86	-3.88	-3.92	-3.93	-3.99	-4.14	-4.23	-4.31	-4.50
Upper Hem. PRP (dBm)	-4.90	-4.73	-4.63	-4.61	-4.57	-4.51	-4.53	-4.65	-4.75	-4.87	-5.14
Lower Hem. PRP (dBm)	-3.40	-3.23	-3.12	-3.13	-3.17	-3.15	-3.16	-3.25	-3.29	-3.26	-3.33
Upper Hem. PRP (%)	32.38	33.64	34.42	34.58	34.92	35.42	35.25	34.29	33.47	32.55	30.61
Lower Hem. PRP (%)	45.74	47.54	48.72	48.61	48.17	48.38	48.32	47.33	46.93	47.19	46.46

