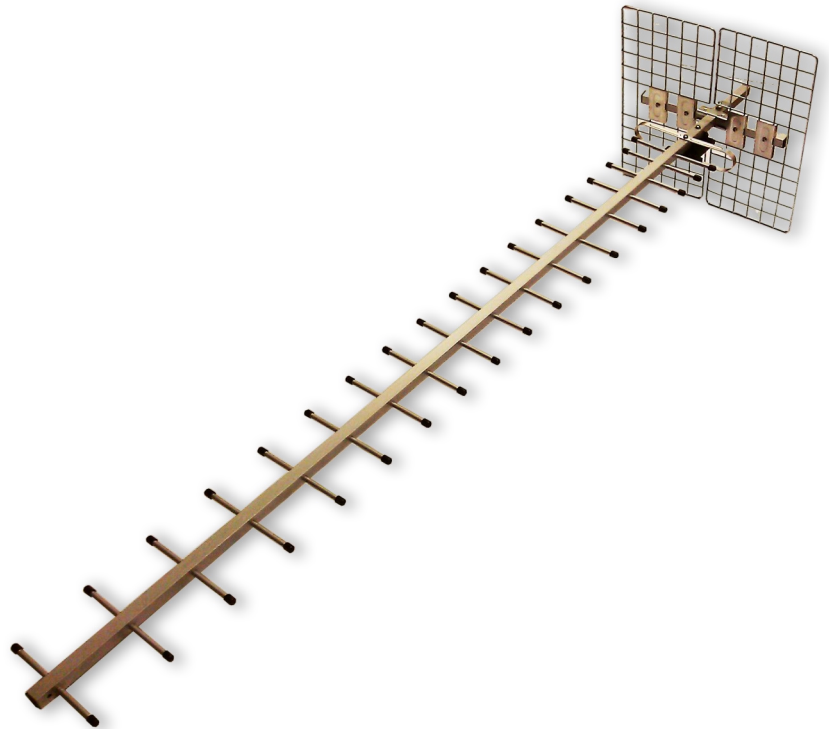


GSM / 868MHz YAGI

Features

- 860—960MHz
- 1770-1880MHz
- +23dBi Gain
- VSWR < 2:1
- Vertical Polarisation
- 10m RG58 to SMA(M)
- 50Ω Impedance
- Aluminium & ABS
- 18 elements
- U Bolt Fixing
- Operates from -40 to +80°C



Applications

- GSM Applications
- 868MHz M2M
- M2M Applications

Description

A High Gain antenna for improving the range achieved in GSM applications and Low Power Range at 868MHz.

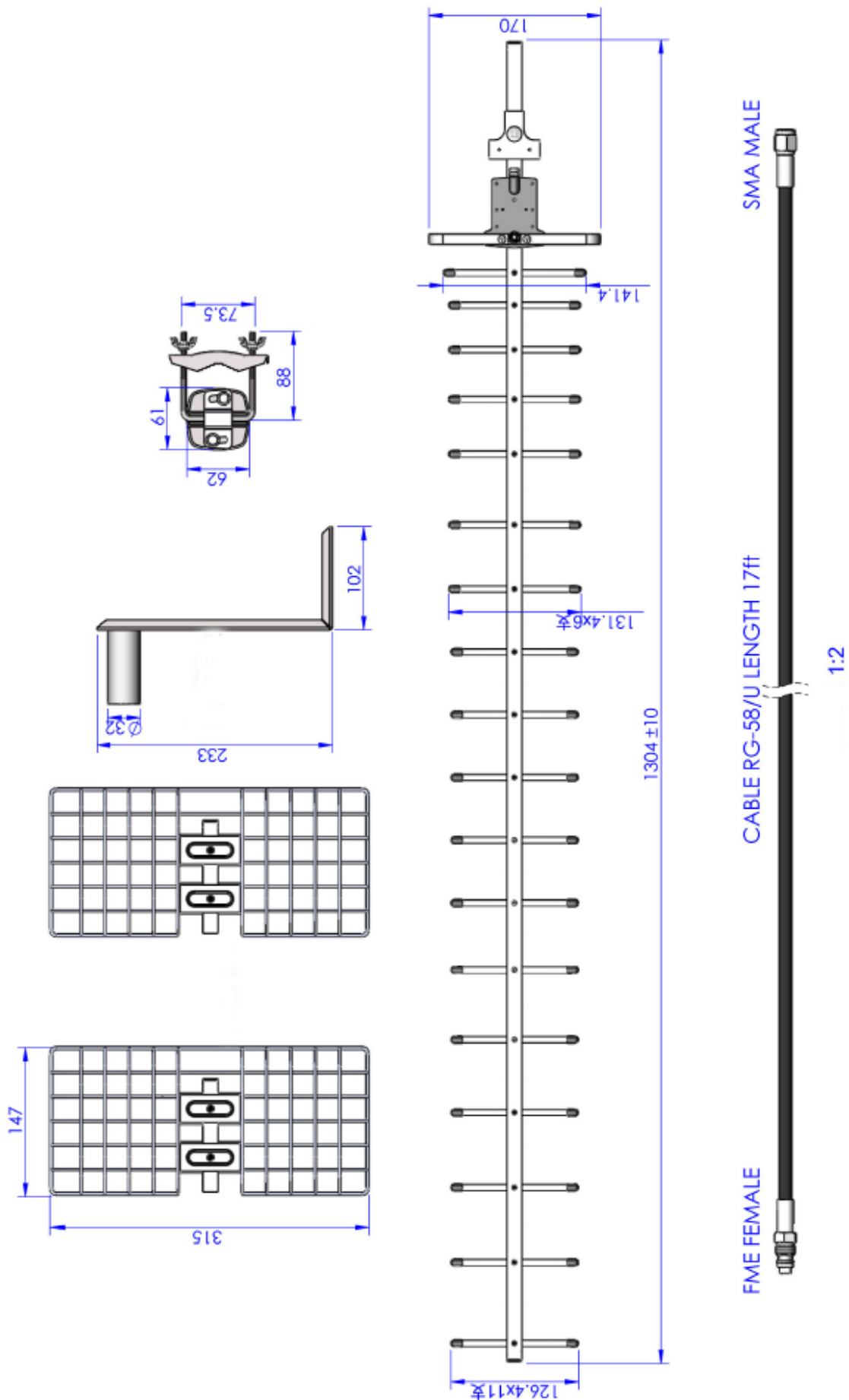
Ordering Information

Part Number	Description
ANT-MF-YAG23	+23dB GSM YAGI Antenna to FME

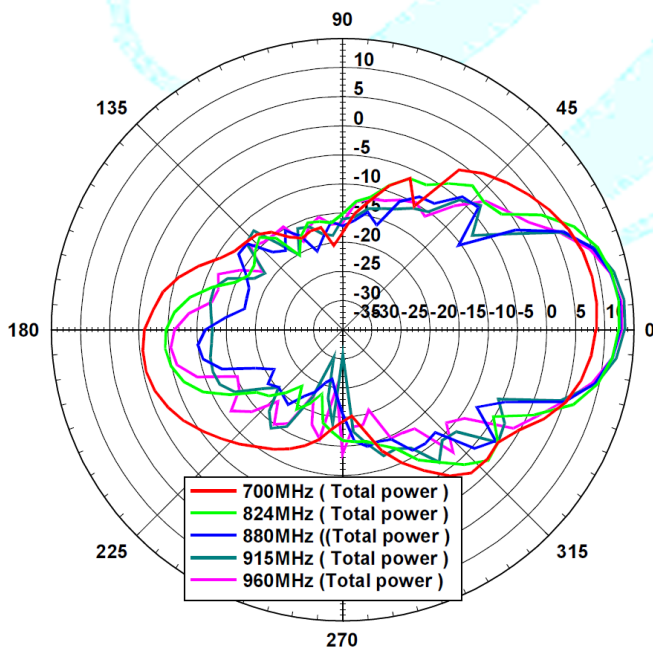
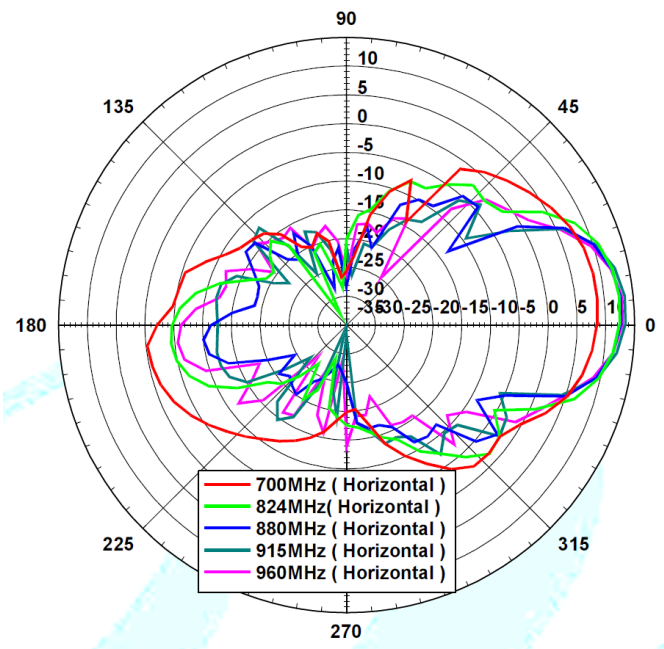
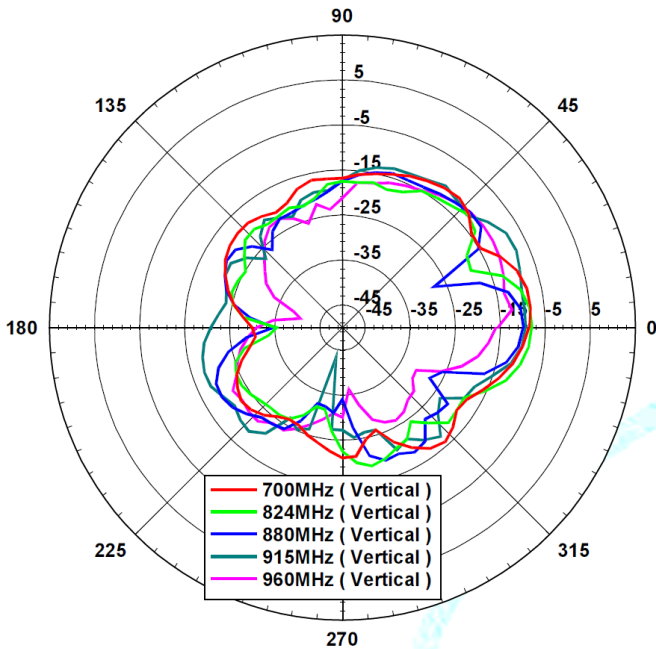
ANT-MFYAG23



Mechanical Detail

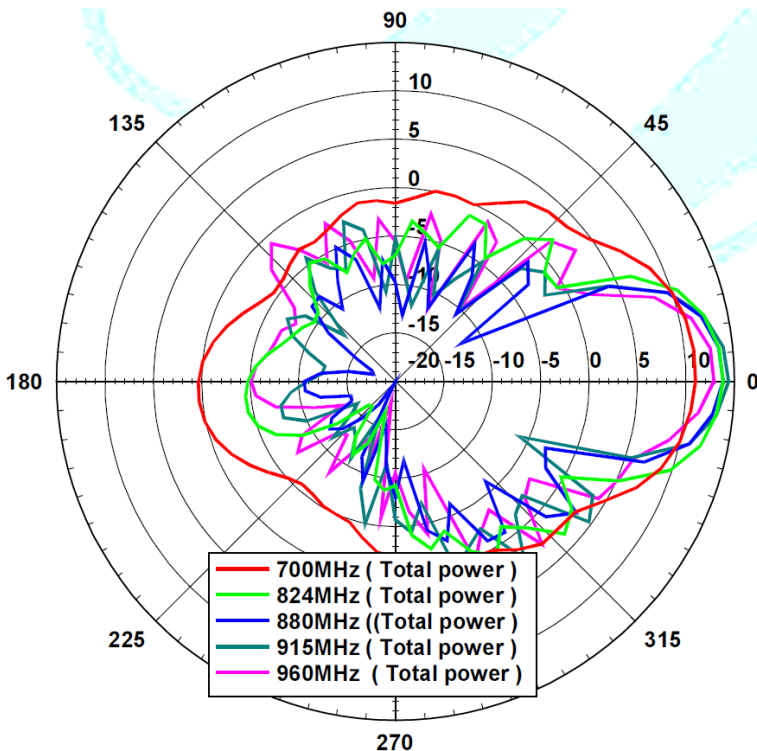
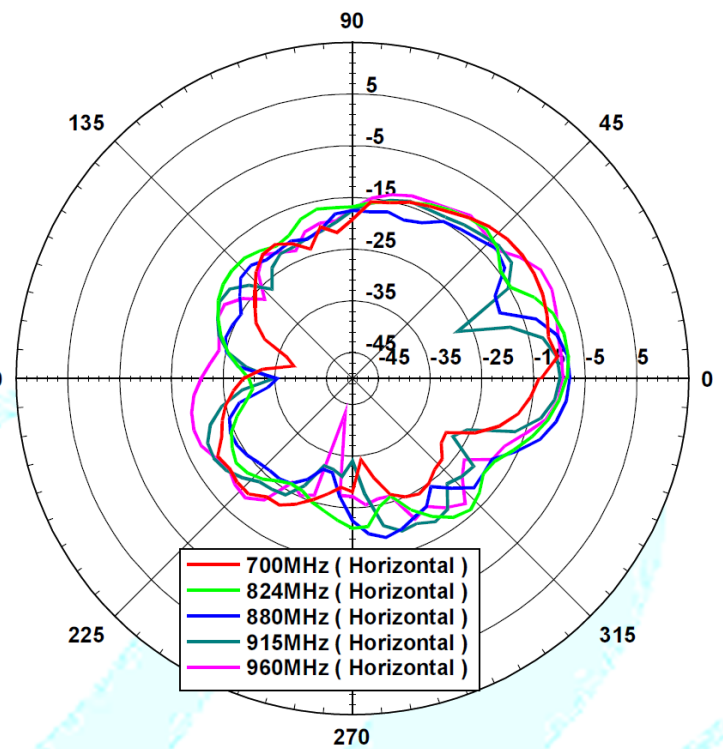
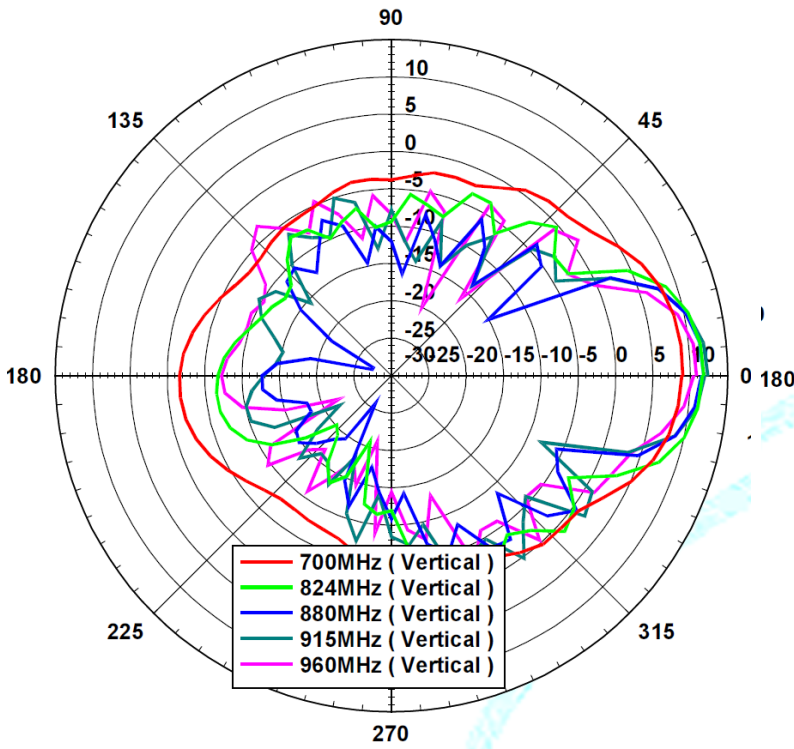


Passive Measurement (pattern and gain) - (Y-Z plane)



Vertical	Max (dBi)	Min (dBi)	Average (dBi)
700	-7.421	-34.428	-10.47
824	-6.026	-27.585	-9.16
880	-5.937	-31.394	-9.29
915	-5.925	-30.776	-9.94
960	-5.789	-39.129	-9.85
Horizontal	Max (dBi)	Min (dBi)	Average (dBi)
700	10.788	-24.694	3.09
824	14.594	-30.81	4.89
880	14.782	-26.389	4.88
915	15.116	-31.92	5.06
960	15.124	-26.891	4.82
Total power	Max (dBi)	Min (dBi)	Average (dBi)
700	11.84	-18.46	3.17
824	14.63	-21.40	4.99
880	14.82	-24.32	4.91
915	15.58	-28.67	5.10
960	15.05	-22.98	5.11

Passive Measurement (pattern and gain) - (Y-Z plane)



Vertical	Max (dBi)	Min (dBi)	Average (dBi)
700	10.993	-7.897	3.77
824	13.816	-19.715	4.57
880	13.779	-27.337	3.94
915	14.961	-22.044	4.18
960	13.631	-22.149	3.99
Horizonta	Max (dBi)	Min (dBi)	Average (dBi)
700	-7.34	-32.039	-11.99
824	-4.271	-33.072	-10.46
880	-3.772	-33.041	-9.99
915	-3.985	-37.953	-9.27
960	-3.498	-29.605	-9.61
Total power	Max (dBi)	Min (dBi)	Average (dBi)
700	11.01	-7.67	3.89
824	13.96	-18.65	4.66
880	13.99	-21.61	4.15
915	14.62	-17.90	4.34
960	13.90	-19.86	4.11

Performance Data

S11

700MHz : -10.021dB

824MHz : -17.621 dB

960MHz : -18.211dB

993MHz : -10.033dB



RF Solutions Ltd. Recycling Notice

Meets the following EC Directives:

DO NOT

Discard with normal waste, please recycle.

ROHS Directive 2011/65/EU and amendment 2015/863/EU

Specifies certain limits for hazardous substances.

WEEE Directive 2011/19/EU

Waste electrical & electronic equipment. This product must be disposed of through a licensed WEEE collection point. RF Solutions Ltd., fulfils its WEEE obligations by membership of an approved compliance scheme. Environment Agency producer registration number: **WEE/JB0104WV**.



Waste Batteries and Accumulators Directive 2006/66/EC

Where batteries are fitted, before recycling the product, the batteries must be removed and disposed of at a licensed collection point.

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