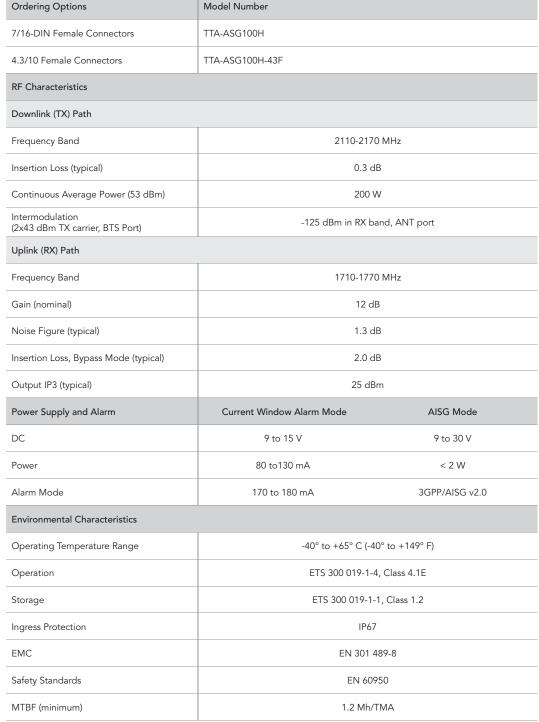![Amphenol ANTENNA SOLUTIONS]

TTA-ASG100H

AWS | Twin TMA | AISG v2.0 | Fixed Gain

- AWS, twin TMA, AISG v2.0, fixed gain
- Increases coverage and capacity
- Helps to minimize site acquisition issues
- Reduces the cost of network expansion

Ordering Options	Model Number
7/16-DIN Female Connectors	TTA-ASG100H
4.3/10 Female Connectors	TTA-ASG100H-43F

RF Characteristics	
Downlink (TX) Path	
Frequency Band	2110-2170 MHz
Insertion Loss (typical)	0.3 dB
Continuous Average Power (53 dBm)	200 W
Intermodulation (2x43 dBm TX carrier, BTS Port)	-125 dBm in RX band, ANT port
Uplink (RX) Path	
Frequency Band	1710-1770 MHz
Gain (nominal)	12 dB
Noise Figure (typical)	1.3 dB
Insertion Loss, Bypass Mode (typical)	2.0 dB
Output IP3 (typical)	25 dBm

Power Supply and Alarm	Current Window Alarm Mode	AISG Mode
DC	9 to 15 V	9 to 30 V
Power	80 to130 mA	< 2 W
Alarm Mode	170 to 180 mA	3GPP/AISG v2.0

Environmental Characteristics	
Operating Temperature Range	-40° to +65° C (-40° to +149° F)
Operation	ETS 300 019-1-4, Class 4.1E
Storage	ETS 300 019-1-1, Class 1.2
Ingress Protection	IP67
EMC	EN 301 489-8
Safety Standards	EN 60950
MTBF (minimum)	1.2 Mh/TMA

![AISG logo]

TTA-ASG100H

AWS | Twin TMA | AISG v2.0 | Fixed Gain

Mechanical Characteristics					
Dimensions - Length x Width x Depth		174 x 152 x 50	mm	6.9 x 6.0 x 2.0	in
Gross Weight		2.5	kg	5.5	lbs
Connectors (type)	BTS	2 Connectors / 7/16-DIN Female or 4.3/10 Female			
	ANT	2 Connectors / 7/16-DIN Female or 4.3/10 Female			
	AISG	1 Connector / 8 -Pin Circular Female			
Color		NCS 1502-R			
Mounting		Hose clamps, arbitrary orientation			

Block Diagram