

TTA-LGG100K-43F

800 MHz with 1800 MHz Bypass | Twin TMA | AISG v2.0 | Fixed Gain

- 800 MHz with 1800 MHz Bypass, twin TMA, AISG v2.0, fixed gain
- Increases coverage and capacity
- Helps to minimize site acquisition issues
- Reduces the cost of network expansion

RF Characteristics		
Bypass Path		
Frequency Band	1710-1880 MHz	
Insertion Loss (typical)	0.2 dB	
Continuous Average Power (53 dBm)	200 W	
Intermodulation (2x43 dBm TX carrier, BTS Port)	-117 dBm in TX band, ANT port	
Downlink (TX) Path		
Frequency Band	791-821 MHz	
Insertion Loss (typical)	0.3 dB	
Return Loss	≥ 18 dB	
Continuous Average Power (53 dBm)	200 W	
Intermodulation (2x43 dBm TX carrier, BTS Port)	-117 dBm in TX band, ANT port	
Uplink (RX) Path		
Frequency Band	832-862 MHz	
Gain (nominal)	12 dB	
Return Loss	≥ 16 dB	
Noise Figure (typical)	1.4 dB	
Insertion Loss, Bypass Mode (typical)	2.0 dB	
Return Loss, Bypass Mode	≥ 12 dB	
Output IP3 (typical)	25 dBm	
Power Supply and Alarm	Current Window Alarm Mode	AISG Mode
DC	9 to 15 V DC	9-30 V
Power	80-130 mA	< 2 W
Alarm	230-295 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	EN60950	
MTBF (minimum)	1.2 Mh/TMA	



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Mechanical Characteristics	
Dimensions - Length x Width x Depth	210 x 260 x 65 mm 8.3 x 10.2 x 2.6 in
Gross Weight	5.0 kg 11.0 lbs
Connectors	BTS 4.3-10 Female
	ANT 4.3-10 Female
	AISG 8 pin circular
Color	NCS 1502-R
Mounting	Hose clamps, arbitrary orientation

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