

PROGETTATI PER OTTIMIZZARE LA CONNETTIVITÀ MOBILE, GARANTISCE
UNA COPERTURA STABILE PER GLI STANDARD GSM, UMTS E LTE.
È LA SOLUZIONE IDEALE PER MIGLIORARE LA RICEZIONE
IN AMBIENTI CON SEGNALE DEBOLE, TRA CUI SPAZI RESIDENZIALI E COMMERCIALI.
LA COMPATIBILITÀ UNIVERSALE CON TUTTI GLI OPERATORI E DISPOSITIVI MOBILI,
UNITA A UNA TECNOLOGIA ANTI-INTERFERENZA, ASSICURA PRESTAZIONI AFFIDABILI.

SISTEMI per la TELEFONIA MOBILE



2025

AMPLIFICATORI DI SEGNALE



KIT SINGLE BAND LOG SERIES 20dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017



- Amplificatore
- Antenna Logaritmica per esterno (cod.8770N)
- Cavo coassiale 10 mt (cod.6297) con un connettore SMA ed un connettore N
- Adattatori N maschio/SMA femmina (uno per collegare l'antenna stilo al connettore N 'MS' dell'amplificatore ed uno per collegare il connettore N 'BTS' dell'amplificatore al cavo)
- Antenna stilo per interno (cod.8774)
- Alimentatore switching
- Accessori per il montaggio a parete dell'amplificatore
- Accessori per il montaggio a palo dell'antenna logaritmica

Model	Amplifier	Working band	Uplink	Downlink
8626L-K800L20	8579-AFTIW800L20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
8592L-KEGSM20	8594-AFTIWGSM20	Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
		Banda 1 - 2100 MHz (UMTS 3G 4G) Uplink 1920 1940 1955 1965 1980 Downlink 2110 2130 2145 2155 2170 Wind/3 TIM Iliad Vodafone		
8618L-KDCS20	8583-AFTIWDCS20	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		



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EN 62368-1: 2020/A11: 2020

EN 50385:2017



- Amplificatore
- Antenna Logaritmica per esterno (cod.8980)
- Cavo coassiale 10 mt (cod.6297) con un connettore SMA ed un connettore N
- Adattatori N maschio/SMA femmina (uno per collegare l'antenna stilo al connettore N 'MS' dell'amplificatore ed uno per collegare il connettore N 'BTS' dell'amplificatore al cavo)
- Antenna stilo per interno (cod.8774)
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- Accessori per il montaggio a parete dell'amplificatore
- Accessori per il montaggio a palo dell'antenna logaritmica

Model	Amplifier	Working band	Uplink	Downlink
86260-K800L20	8579-AFTIW800L20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
85920-KEGSM20	8594-AFTIWGSM20	Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
		Banda 1 - 2100 MHz (UMTS 3G 4G) Uplink 1920 1940 1955 1965 1980 Downlink 2110 2130 2145 2155 2170 Wind/3 TIM Iliad Vodafone		
86180-KDCS20	8583-AFTIWDCS20	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		



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EN 62368-1: 2020/A11: 2020

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Model	Amplifier	Working band	Uplink	Downlink
8627L-KLD20	8624-AFTLD20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		
8628L-KLEG20	8625-AFT1WL800EG20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		



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Model	Amplifier	Working band	Uplink	Downlink
86270-KLD20	8624-AFTLD20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		
86280-KLEG20	8625-AFT1WL800EG20	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
		Banda 20 - 800 MHz (LTE 4G) Uplink 832 842 852 862 Downlink 791 801 811 821 Wind/3 TIM Vodafone		
		GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		



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Model	Amplifier	Working band	Uplink	Downlink
8622L-KEGD20	8621-AFTGD20S	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		
8623L-KEGU20	8609-AFTGU20S	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
		Banda 1 - 2100 MHz (UMTS 3G 4G) Uplink 1920 1940 1955 1965 1980 Downlink 2110 2130 2145 2155 2170 Wind/3 TIM Iliad Vodafone		



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Model	Amplifier	Working band	Uplink	Downlink
8622O-KEGD20	8621-AFTGD20S	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
		Banda 3 - 1800 MHz (DCS 4G 5G) Uplink 1715 1735 1745 1765 1785 Downlink 1810 1830 1840 1860 1880 TIM Iliad Wind/3 Vodafone		
8623O-KEGU20	8609-AFTGU20S	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
		Banda 8 - 900 MHz (GSM 2G 3G) Uplink 880 885 895 905 915 Downlink 925 930 940 950 960 Iliad TIM Vodafone Wind/3		
		UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
		Banda 1 - 2100 MHz (UMTS 3G 4G) Uplink 1920 1940 1955 1965 1980 Downlink 2110 2130 2145 2155 2170 Wind/3 TIM Iliad Vodafone		



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EN 62368-1: 2020/A11: 2020

EN 50385:2017

8579-AFT1W800L20 BANDE: 800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800	8579-AFT1W800L20	≥65dB	≥70dB
Output Power LTE800	8579-AFT1W800L20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



SINGLE BAND S E R I E S 20dBm ~ 30dBm

Conformi alla normativa

2014/53/UE RED

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EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8594-AFT1WGSM20 BANDA: 900

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM	8594-AFT1WGSM20	≥65dB	≥70dB
Output Power EGSM	8594-AFT1WGSM20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



SINGLE BAND S E R I E S 20dBm ~ 30dBm

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EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8607-AFT10WEGSM30 BANDA: 900

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM	8607-AFT10WEGSM30	≥65dB	≥80dB
Output Power EGSM	8607-AFT10WEGSM30	≥23dBm	≥30dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 9V/5A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		228*170*65mm	
Weight		≤4KG	



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EN 303 609 V12.5.1 (for GSM)
EN 62368-1: 2020/A11: 2020
EN 50385:2017

8583-AFT1WDCS20 BANDA: 1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain DCS	8583-AFT1WDCS20	≥65dB	≥70dB
Output Power DCS	8583-AFT1WDCS20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



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EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8583-AFT1WDCS23

BANDA: 1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain DCS	8583-AFT1WDCS23	≥65dB	≥75dB
Output Power DCS	8583-AFT1WDCS23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



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EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8583-AFT1WDCS27 BANDA: 1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain DCS	8583-AFT1WDCS27	≥65dB	≥75dB
Output Power DCS	8583-AFT1WDCS27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		228*170*65mm	
Weight		≤4KG	



SINGLE BAND S E R I E S 20dBm ~ 30dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8616-AFT10WDCS30 BANDA: 1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain DCS	8616-AFT10WDCS30	≥65dB	≥80dB
Output Power DCS	8616-AFT10WDCS30	≥23dBm	≥30dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 9V/5A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		228*170*65mm	
Weight		≤4KG	



SINGLE BAND S E R I E S 20dBm ~ 30dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8595-AFT1WUMTS20 BANDA: 2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain UMTS	8595-AFT1WUMTS20	≥65dB	≥70dB
Output Power UMTS	8595-AFT1WUMTS20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8572-AFT1WL800EG27

BANDE: 800+900

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+EGSM	8572-AFT1WL800EG27	≥65dB	≥80dB
Output Power LTE800+EGSM	8572-AFT1WL800EG27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		315*228*72mm	
Weight		≤7.5KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8624-AFTLD20

BANDE: 800+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS	8624-AFTLD20S	≥65dB	≥70dB
Output Power LTE800+DCS	8624-AFTLD20S	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8625-AFT1WL800EG20

BANDE: 800+900

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+EGSM	8625-AFT1WL800EG20	≥65dB	≥70dB
Output Power LTE800+EGSM	8625-AFT1WL800EG20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8621-AFTGD20S

BANDE: 900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS	8621-AFTGD20S	≥65dB	≥70dB
Output Power EGSM+DCS	8621-AFTGD20S	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8571-AFT1WEGD23

BANDE: 900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS	8571-AFT1WEGD23	≥65dB	≥75dB
Output Power EGSM+DCS	8571-AFT1WEGD23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		228*170*65mm	
Weight		≤4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8571-AFT1WEGD27

BANDE: 900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS	8571-AFT1WEGD27	≥65dB	≥80dB
Output Power EGSM+DCS	8571-AFT1WEGD27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		315*228*72mm	
Weight		≤7.5KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8609-AFTGU20S BANDE: 900+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+UMTS	8609-AFTGU20S	≥65dB	≥70dB
Output Power EGSM+UMTS	8609-AFTGU20S	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 6V/3A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		128*170*65mm	
Weight		≤2.4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8597-AFTIWEGSMUMTS23

BANDE: 900+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+UMTS	8597-AFTIWEGSMUMTS23	≥65dB	≥75dB
Output Power EGSM+UMTS	8597-AFTIWEGSMUMTS23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		228*170*65mm	
Weight		≤4KG	



DUAL BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8597-AFTIWEGSMUMTS27

BANDE: 900+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+UMTS	8597-AFTIWEGSMUMTS27	≥65dB	≥80dB
Output Power EGSM+UMTS	8597-AFTIWEGSMUMTS27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		315*228*72mm	
Weight		≤7.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8638-AFT1WLEGD20

BANDE: 800+900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8638-AFT1WLEGD20	≥65dB	≥70dB
Output Power LTE800+DCS+UMTS	8638-AFT1WLEGD20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8638-AFT1WLEGD23

BANDE: 800+900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8638-AFT1WLEGD23	≥65dB	≥75dB
Output Power LTE800+DCS+UMTS	8638-AFT1WLEGD23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8638-AFT1WLEGD27

BANDE: 800+900+1800

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8638-AFT1WLEGD27	≥65dB	≥80dB
Output Power LTE800+DCS+UMTS	8638-AFT1WLEGD27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/10A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8639-AFT1WLDU20

BANDE: 800+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8639-AFT1WLDU20	≥65dB	≥70dB
Output Power LTE800+DCS+UMTS	8639-AFT1WLDU20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8639-AFT1WLDU23

BANDE: 800+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8639-AFT1WLDU23	≥65dB	≥75dB
Output Power LTE800+DCS+UMTS	8639-AFT1WLDU23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 20dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8639-AFT1WLDU27

BANDE: 800+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	LTE800 (Band 20)	832 ~ 9862MHz	791 ~ 821MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain LTE800+DCS+UMTS	8639-AFT1WLDU27	≥65dB	≥80dB
Output Power LTE800+DCS+UMTS	8639-AFT1WLDU27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/10A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 0dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8598-AFT1WEGDU20

BANDE: 900+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS+UMTS	8598-AFT1WUGDU20	≥65dB	≥70dB
Output Power EGSM+DCS+UMTS	8598-AFT1WUGDU20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S

0dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1(for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8598-AFT1WEGDU23

BANDE: 900+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS+UMTS	8598-AFT1WUGDU23	≥65dB	≥75dB
Output Power EGSM+DCS+UMTS	8598-AFT1WUGDU23	≥17dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



TRIPLE BAND S E R I E S 0dBm ~ 27dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8598-AFT1WEGDU27

BANDE: 900+1800+2100

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain EGSM+DCS+UMTS	8598-AFT1WUGDU27	≥65dB	≥80dB
Output Power EGSM+DCS+UMTS	8598-AFT1WUGDU27	≥20dBm	≥27dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/10A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



FIVE BAND S E R I E S

0dBm ~ 23dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8641-AFT1WLEGDUL05

BANDE: 800+900+1800+2100+2600

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range (Europe, Asia, Africa)	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
	LTE2600 (Band 7)	2500~2570MHz	2620 ~ 2690MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain	8641-AFT1WLEGDUL05	≥25dB	≥25dB
Output Power	8641-AFT1WLEGDUL05	≥20dBm	≥0dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



FIVE BAND S E R I E S

0dBm ~ 23dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8641-AFT1WLEGDUL20

BANDE: 800+900+1800+2100+2600

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range (Europe, Asia, Africa)	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
	LTE2600 (Band 7)	2500~2570MHz	2620 ~ 2690MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain	8641-AFT1WLEGDUL20	≥65dB	≥70dB
Output Power	8641-AFT1WLEGDUL20	≥15dBm	≥20dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/6A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		310*170*65mm	
Weight		5.5KG	



FIVE BAND S E R I E S 0dBm ~ 23dBm

Conformi alla normativa

2014/53/UE RED

EN 301 489-50 V2.3.1

EN 301 489-50 V2.3.1

EN 301 908-11 V11.1.2 (for UMTS)

EN 301 908-15 V.15.1.1 (for LTE)

EN 303 609 V12.5.1 (for GSM)

EN 62368-1: 2020/A11: 2020

EN 50385:2017

8641-AFT1WLEGDUL23 BANDE: 800+900+1800+2100+2600

- Compact size with stable performance.
- Designed for indoor application.
- Support antenna isolation detection.
- MGC available for both uplink and downlink.
- AGC to control output power at its maximum power level.
- LCD realtime display to show the instant power and gain for each link.
- Smart function to set the proper gain automatically.
- Auto shut off function available for both uplink and downlink.



Parameters		Uplink	Downlink
Frequency Range (Europe, Asia, Africa)	LTE800 (Band 20)	832 ~ 862MHz	791 ~ 821MHz
	GSM&EGSM (Band 8)	880 ~ 915MHz	925 ~ 960MHz
	DCS (Band 3)	1710 ~ 1785MHz	1805 ~ 1880MHz
	UMTS (Band 1)	1920 ~ 1980MHz	2110 ~ 2170MHz
	LTE2600 (Band 7)	2500~2570MHz	2620 ~ 2690MHz
Operation Bandwidth (-3dB)		Wide Band	
Maximum Gain	8641-AFT1WLEGDUL23	≥70dB	≥75dB
Output Power	8641-AFT1WLEGDUL23	≥15dBm	≥23dBm
Maximum Input power Without Damage		≥-10dBm (UL & DL)	
MGC (Manual Gain Control)		31dB range/1dB step	
AGC (Automatic Gain Control)		≥25dB	
Spurious Emission	9KHz~1GHz	≤ -36dBm	
	1GHz~12.75GHz	≤ -30dBm	
Noise Figure		≤ 6dB	
VSWR		≤2.0	
Group Delay		≤1μs	
LED Alarm	Power LED	DC ON/OFF	
	AGC LED	GREEN @ Normal, Red @ ALC 10dB,	
ISO		When AGC control over 25dB range, the ISO will turn to RED, and repeater will shut off	
Smart Mode		Automatically adjust the gain in both links according to the specific environment.	
Output signal strength		Shown output signal strength with number.	
RF Connector/Impedance		N-Female/50Ω	
Power Consumption		≤12W	
Power Supply		Input: AC 110~240V; Output: DC 10V/10A	
Operating Temperature		-10°C~50°C	
Environment Conditions		IP40	
Dimensions (D x W x H)		373*228*73	
Weight		9KG	

ANTENNE CAVI



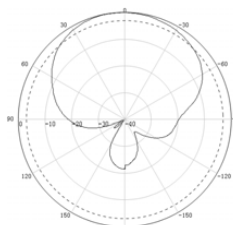
8770N-ADIRLGDU

DIRECTIONAL SERIES

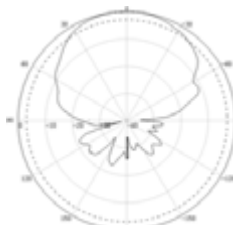
12dB



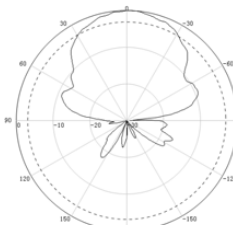
ELECTRICAL SPECIFICATIONS	
Frequency Range	806~960/1710~2700 MHZ
Gain	12 dB
Horizontal Beamwidth	65/50°
Vertical Beamwidth	50/40°
Polarization	Vertical
Front-to-back-ratio	20db
Power Capacity	100 W
Impedance	50Ω
Connector Type	N-Female
Lightning Protection	DC Ground
MECHANICAL SPECIFICATIONS	
Dimensions	440×210×65 mm
Weight	0,53 KG
Radome Material	ABS
Ambient temperature	Temperature Range -30°C~+45°C; Maximum temperature -40°C~+50°C
Wind speeds	Rated Wind Speed 36.9m/s; Maximum Wind Load 60m/s
Grounding	DC Ground



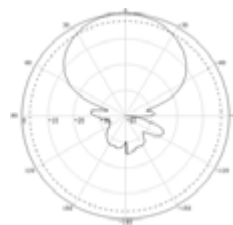
Horizontal



Horizontal



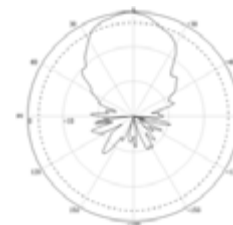
Horizontal



Vertical 960MHz



Vertical 1880MHz



Vertical 2700MHz



8945N4-ADIR GDU

INDOOR PANEL SERIES

9dB

Model	8945N4-ADIR GDU			Product Picture
Frequency Range	698~960	1710-2700	3400~4000	
Impedance	50Ω			
VSWR	≤ 1.80			
Gain	5.5dB±0.5	7.5dB±0.5	8.5dB±0.5	
Polarization	Vertical			
Horizontal Beamwidth	80°	65°/60°	55°	
Vertical Beamwidth	73°/70°	60°	30°	
Front-To-Back Ratio	>10°	>15°	>10°	
Maximum Power	50W			
Intermodulation	-153dBc@2X43dBm			
Connector Type	N Female or 4.3-10/Female *			
Dimension	200X180X62mm			
Mounting Kit	On Wall			
Radome material	ABS, White Color			
Work Temperature	-55~+60℃			
Weight	0.65kg			

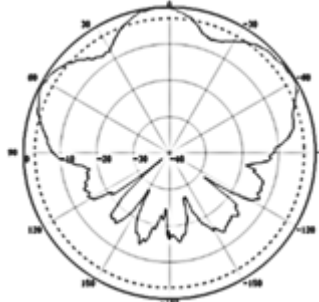
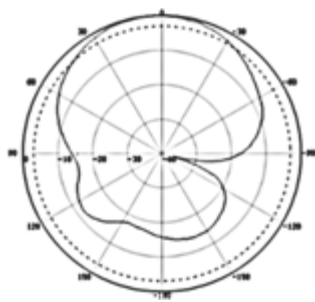
* Can be Custom made with SMA Female , 2.2-5 Female or 4.1/9.5 Female

Radiation Patterns:

Horizontal
Pattern



Vertical
Pattern



900MHz

1880MHz

3500MHz



8983N-ADIR GDU N

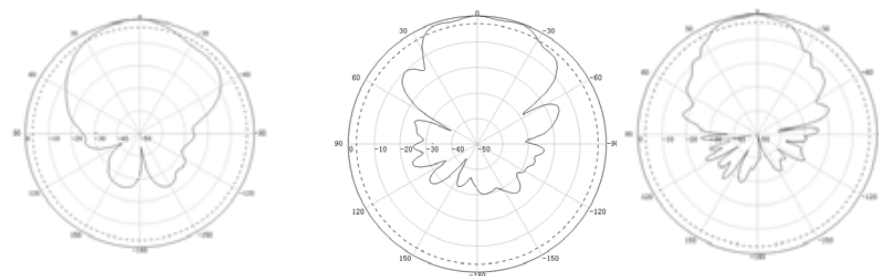
DIRECTIONAL SERIES

12dB

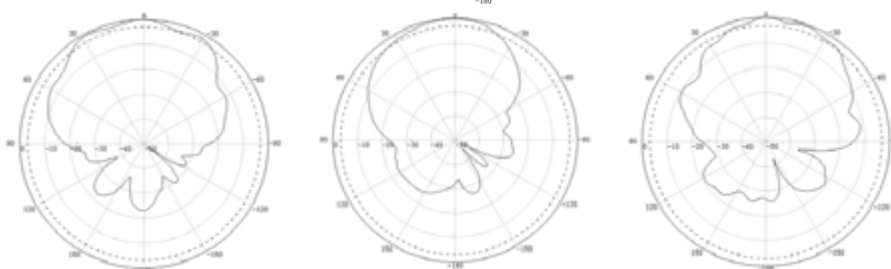


ELECTRICAL SPECIFICATIONS	
Frequency Range	800~960/1710~2500 MHz
Gain	11±1/12±1 dB
Horizontal Beamwidth	45±6/30±6°
Vertical Beamwidth	60±6/45±6°
Polarization	Vertical
Front-to-back-ratio	25 db
Power Capacity	50 W
Impedance	50Ω
Connector Type	N-Female
Lightning Protection	DC Ground
MECHANICAL SPECIFICATIONS	
Dimensions	256×170×56 mm
Weight	0.5 KG
Radome Material	PVC
Ambient temperature	Temperature Range -30℃~+45℃; Maximum temperature -40℃~+55℃
Wind speeds	Rated Wind Speed 36.9m/s; Maximum Wind Load 55m/s
Grounding	DC Ground

Horizontal
Pattern



Vertical
Pattern



960MHz

1880MHz

2500MHz



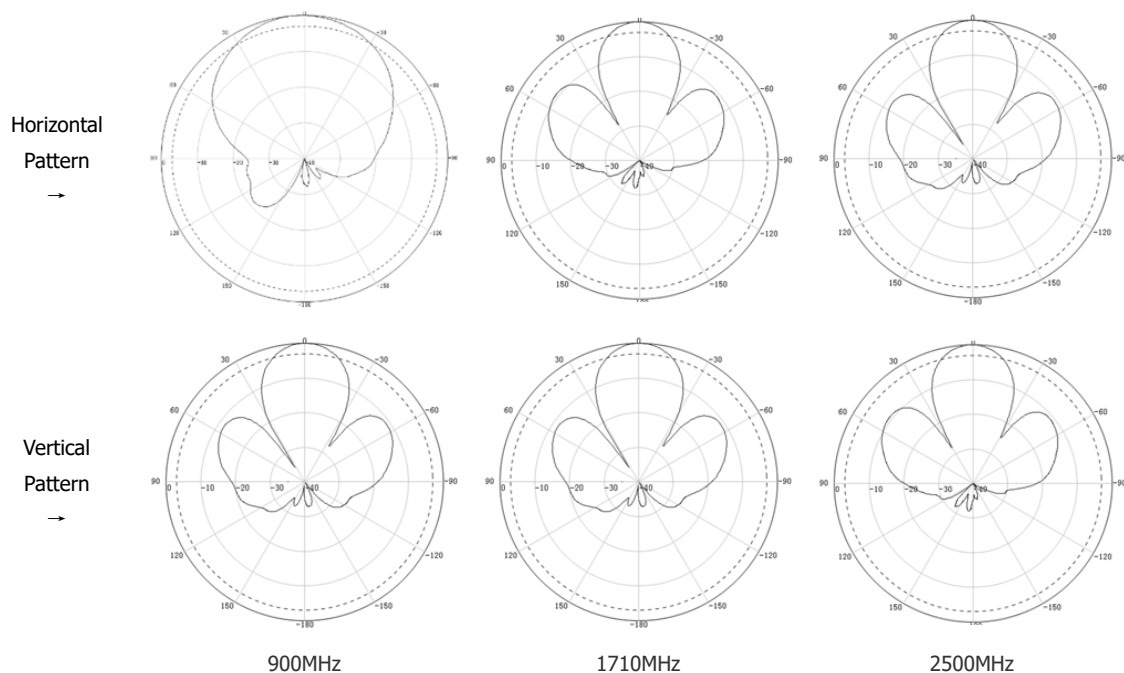
8988N-AP14 PANEL SERIES

14dB

Model	8988N-AP14		Product Picture	
Frequency Range	698~960	1710-2700		
Impedance	50Ω			
VSWR	≤ 1.70	≤ 1.70		
Gain	11dB	14dB		
Polarization	±45°			
Horizontal Beamwidth	65°	35°		
Vertical Beamwidth	35°	35°		
Maximum Power	100W			
Intermodulation	-150dBc@2X43dBm			
Isolation	>25dB	>28dB		
Front-To-Back Ratio	> 20(-180 ± 30)	> 25(-180 ± 30)		
Connector Type	2 X N/Female *			
Dimension	700×328X140mm			
Mounting Kit	Pole , Outdoor use			
Radome material	Fiberglass			
Work Temperature	-55~+60℃			
Weight	5.50kg			

* Can be Custom made with SMA Female , 4.3/10 Female or 4.1/9.5 Female

Antenna Radiation Patterns:



All specifications are subject to change without notice.



8989N-ADIR LOG

WiFi DIRECTIONAL FULL RANGE

15dBi

Model	8989N-ADIR LOG		Product Picture
Frequency Range	690-2700MHz		
Impedance	50Ω		
VSWR	≤ 1.5:1		
Gain	15dBi		
Polarization	V/H		
Horizontal Beamwidth	-3dB	55°	
Vertical Beamwidth	-3dB	40°	
N. of elements	28		
Maximum Power	100W		
Intermodulation	-153dBc@2X43dBm		
Connector Type	Nf		
Dimension	100x200x40mm		
Mounting	Ø30-50mm		
Materials	Alluminium-Teflon-Brass		
Lighting protection	All metal parts are DC grounded		
Weight	1kg		



BROADBAND LOGARITHMIC ANTENNA



HIGH GAIN 12.5 dBi



LINEAR POLARIZATION



DIRECTIONAL PATTERN / 28 ELEMENTS

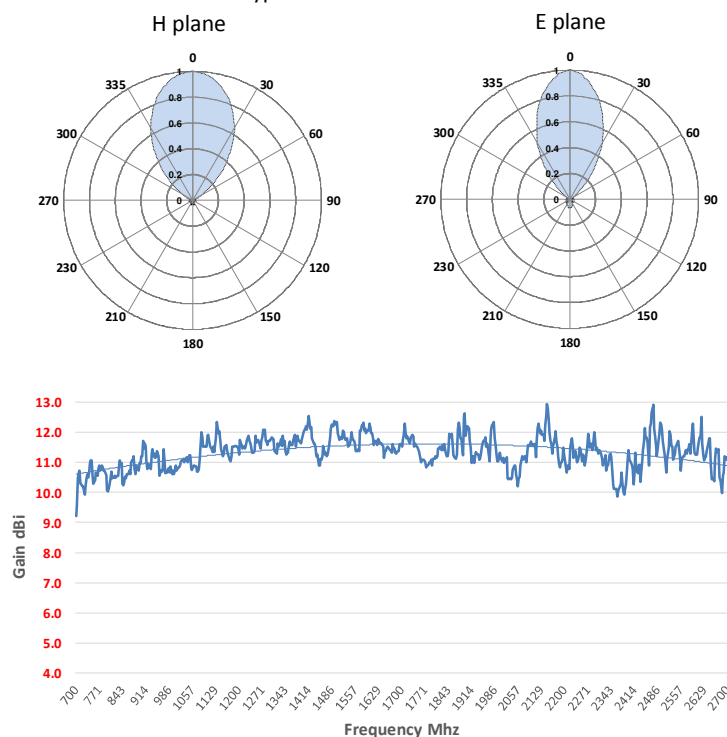


EXTREME CLEANING PATTERN



FULL RANGE 2G-3G-4G-5G-WIRELESS

Typ.beamwidth middle band



Antenna logaritmica periodica per le bande telefoniche 2G-3G-4G-5G LTE-GSM-DCS-UMTS 690-2700 Mhz. Estrema pulizia dei diagrammi di radiazione ed assenza totale di lobi secondari. Ottima per essere impiegata in installazioni di micro ripetitori telefonici, radio modem, ponti radio ed individuazione di sorgenti interferenti

Wind surface	m ²	Front 0.005 side 0.1
Front wind load	Kg	0.01 (160 Km/h)
Side wind load	Kg	1.15 (160 Km/h)

PACKAGING mm 1100x200x200 / weight 1 Kg



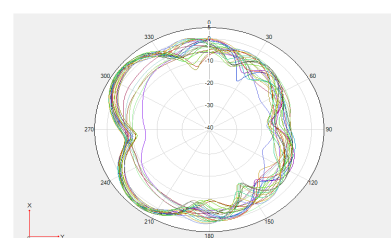
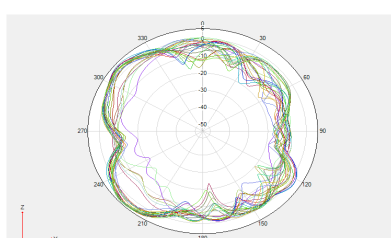
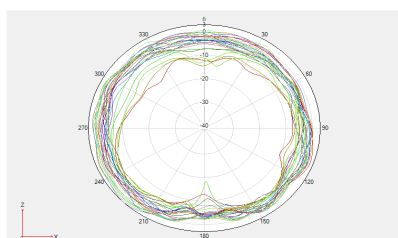
8874-ANTOEGDUL

OMNI WHIP ANTENNA

880-2700MHZ



Model	8874-ANTOEGDUL	
Electrical specifications		
Frequency range (MHz)	880-960	1710-2700
Gain (dBi)	3	
Beamwidth	360°/Horizontal	75°/Vertical
Polarization	Vertical	
Impedance (Ω)	50	
VSWR	≤3.5	≤2.5
Maximum input power (W)	50	
Mechanical specifications		
Connector	SMA male	
Diameter (mm)	Φ13×165	
color	White	
Antenna weight (g)	20	
Operating temperature (°C)	-40~+60	





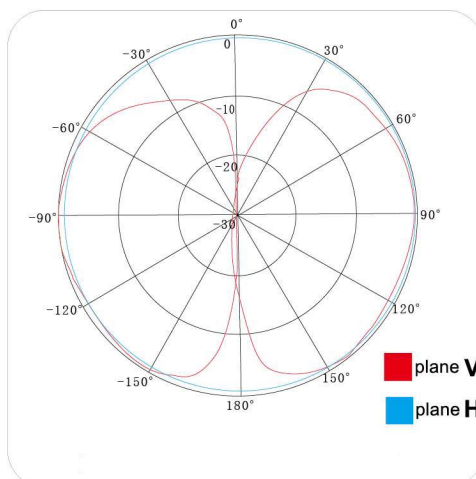
8980-AGDU4

OMNIDIRECTIONAL SERIES

4dBi



ELECTRICAL SPECIFICATIONS	
Frequency Range	690~2700 MHZ
Gain	4/5dBi
Horizontal Beamwidth	360°
Vertical Beamwidth	25°/16°
Polarization	Vertical
VSWR	≤ 2
Power Capacity	100 W
Impedance	50Ω
Connector Type	N-Female
Lightning Protection	DC Ground
MECHANICAL SPECIFICATIONS	
Dimensions	Φ63x200mm
Weight	0,4 KG
Radome Material	ABS
Ambient temperature	Temperature Range -40°C~+60°C
Wind speeds	Rated Wind Speed 150km/h
Support pole diameter	Φ30-Φ53 (mm)





8984N-A GDU N

OMNIDIRECTIONAL SERIES

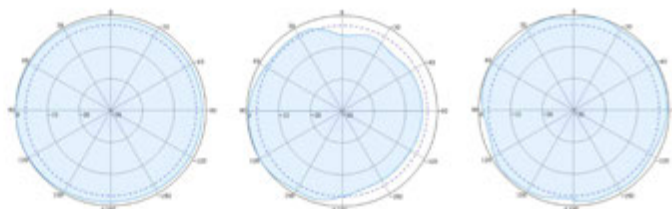
6/8dBi



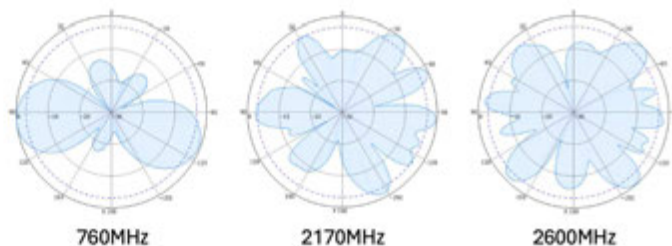
ELECTRICAL SPECIFICATIONS	
Frequency Range	690~2700 MHz
Gain	6/8dBi
Horizontal Beamwidth	360°
Vertical Beamwidth	25°/16°
Polarization	Vertical
Front-to-back-ratio	---
Power Capacity	100 W
Impedance	50Ω
Connector Type	N-Female
Lightning Protection	DC Ground
MECHANICAL SPECIFICATIONS	
Dimensions	Φ60x600mm
Weight	3 KG
Radome Material	PVC
Ambient temperature	Temperature Range -40℃~+60℃; Maximum temperature -55℃~+70℃
Wind speeds	Rated Wind Speed 60m/s
Support pole diameter	Φ30-Φ60(mm)

Radiation Patterns

Horizontal



Vertical



760MHz

2170MHz

2600MHz



8986N-AOGDUN

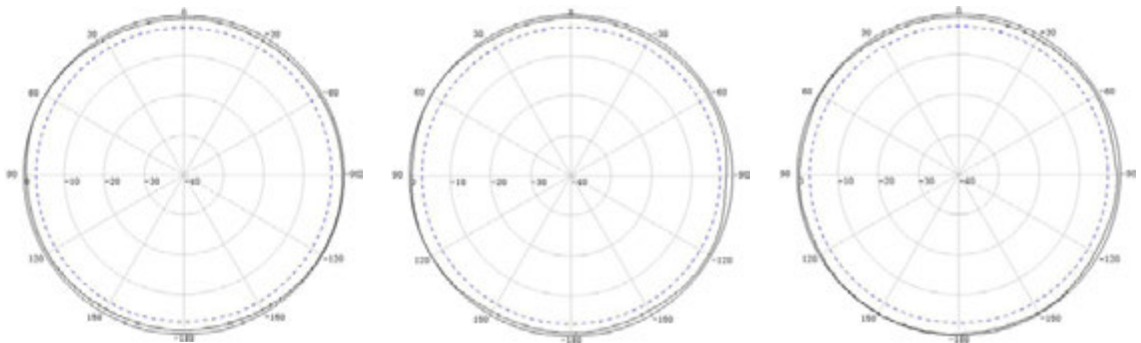
INDOOR OMNI SERIES

6dB

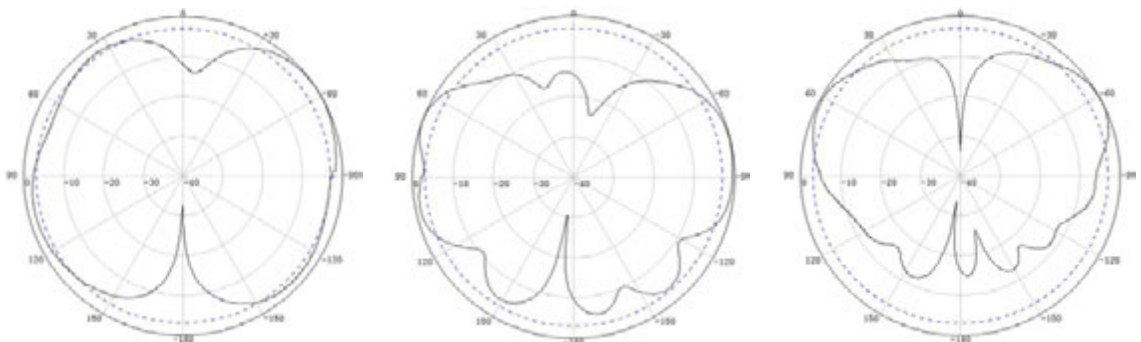
Model	8986N-AOGDUN		Product Picture
Frequency Range	698~960MHz	1710~2700MHz	 698-960 1710-2700Mhz ↓ Port 1
Impedance	50Ω		
VSWR	≤ 1.80	≤ 1.50	
Gain	2dB	6dB	
Polarization	Vertical		
Horizontal Beamwidth	360°		
Vertical Beamwidth	60°	35°	
Maximum Power	50W		
Intermodulation	-150dBc@2X43dBm		
Connector Type	N/Female *		
Lightning Protection	DC Ground		
Dimension	Φ203×98mm (Packing: 210X210X110mm)		
Radome material	ABS,White Color		
Work Temperature	-55~+60℃		
Weight	0.40kg (0.45kg Packing Weight)		

Antenna Radiation Patterns:

Horizontal
Pattern



Vertical
Pattern



900MHz

1710MHz

2500MHz

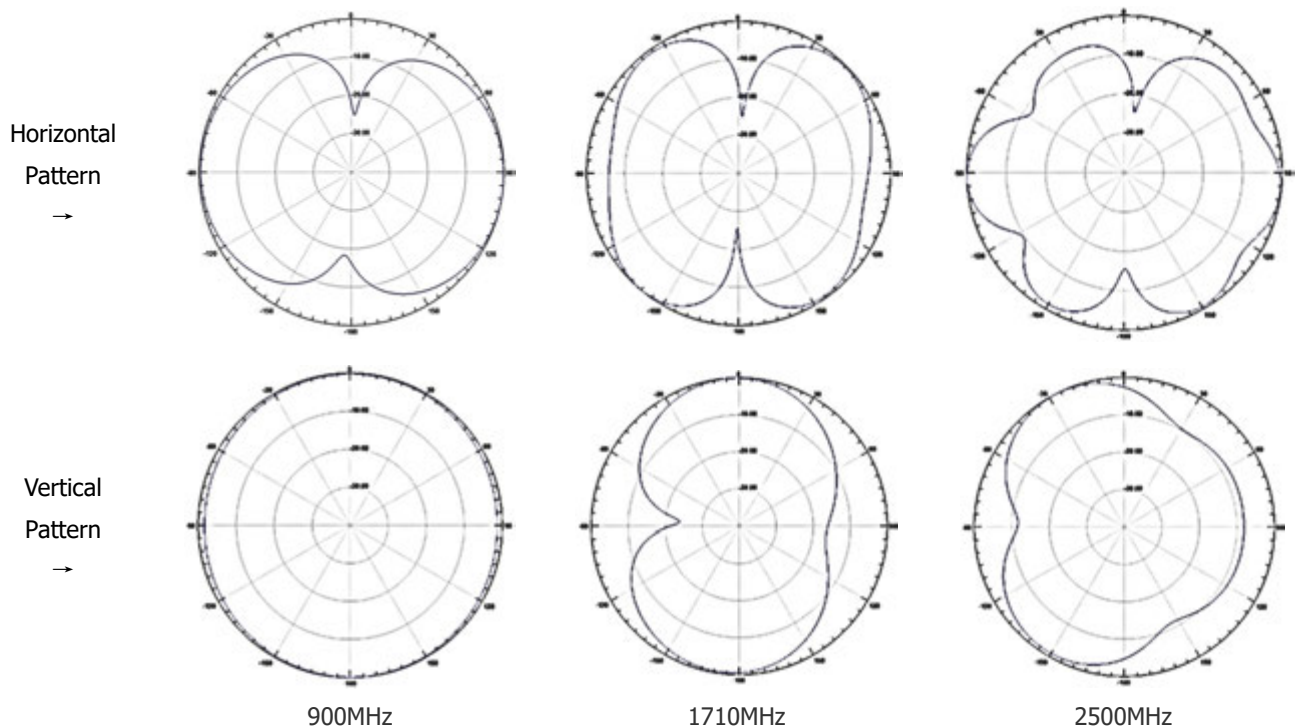


8987N4-AFLATSLIM INDOOR OMNI SERIES

7dB

Model	8987N4-AFLATSLIM						Product Picture
Frequency Range	617~806	806~960	1350~1550	1690-2700	3300~3800	4900-6000	 617-806/806-960/1350-1550 1690-2700/3300-3800/4900-6000 ↓ Port 1
Impedance	50Ω						
VSWR	≤ 1.8						
Gain	1.5±0.5	2.2±0.5	3.5±0.5	4.5±1.0	6.0±1.0	6.0±1.0	
Polarization	Horizontal						
Maximum Power	50W						
Intermodulation	-153dBc@2X43dBm						
Connector Type	N/Female or 4.3-10 Female						
Lightning Protection	DC Ground						
Dimension	Φ220×18mm						
Radome material	ABS,White,RAL9003						
Work Temperature	-55~+60℃						
Weight	0.30kg						

Antenna Radiation Patterns:



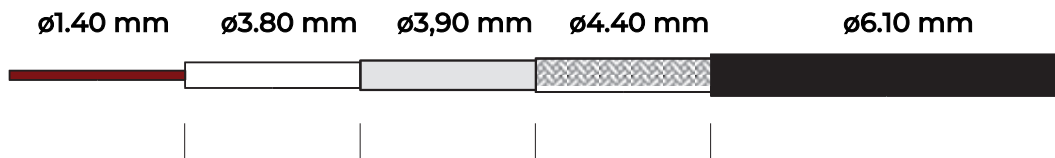
All specifications are subject to change without notice.



LMR240LSZH

RF COAXIAL CABLE

DOUBLE SHIELD 50 Ohm



MECHANICAL CHARACTERISTICS

A) Inner Conductor	Red Copper.....	ø1.40 mm
	Foam Polyethylene.....	ø3,80 ±0,1 mm
B) Dielectric	Aluminum Foil + Polyester + Aluminum.....	ø3.9
C) Shield	Covering.....	100%
	Tinned Copper.....	112 x 0,12 mm
D) Braid	Covering.....	80%
	Polyvinylchloride no contaminant.....	ø6.10 ± 0,1 mm
E) Jacket	Black - RAL 9004	
- Colour		

Min. Bending Radius (mm)

-Single Fold..... 30.5

-Multiple Fold..... 61

Operating Temperature..... -30 to +70°C

Cable Weight (Kg/Km)..... 58

ELECTRICAL CHARACTERISTICS AT 20°C

Impedance.....	50 nom.
Capacitance.....	80 pF/m
Propagation Velocity.....	84%

Resistance	
-Inner Conductor.....	11,5Ohm/Km
-Outer Conductor.....	14,5Ohm/Km
Voltage	
- Sheath insulation spark test.....	4,0 kV

ATTENUATION dB/100 m

5 MHz.....	1.9	500 MHz.....	18.1	1750 MHz.....	36.0
10 MHz.....	2.5	600 MHz.....	20.0	2150 MHz.....	40.4
50 MHz.....	5.7	800 MHz.....	23.5	2250 MHz.....	40.8
100 MHz.....	7.8	1000 MHz.....	26.0	2500 MHz.....	43.7
200 MHz.....	11.1	1350 MHz.....	31.4	2750 MHz.....	45.9
300 MHz.....	13.8	1500 MHz.....	32.9	3000 MHz.....	49.9

SHIELDING EFFICIENCY dB

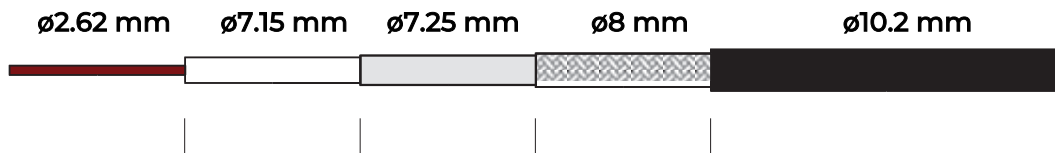
100÷900 MHz.....	>95
900÷2000 MHz.....	>85
2000÷3000 MHz.....	>75



LMR400LSZH

RF COAXIAL CABLE

CLASS A 50 Ohm



MECHANICAL CHARACTERISTICS

A) Inner Conductor	Red Copper.....	$\varnothing 2,62$ mm
B) Dielectric	Gas injected foam PE.....	$\varnothing 7,15 \pm 0,1$ mm
C) Shield	Copper tape Covering.....	100%
D) Braid	Braid Copper.....	$\varnothing 7,25 \pm 0,1$ mm
	Covering.....	$\varnothing 80\%$
E) Jacket	Polyvinylchloride no contaminant.....	$\varnothing 8 \pm 0,1$ mm
- Colour	LSZH (UV resistant) 1mm Black	$\varnothing 10,2 \pm 0,2$ mm

Min. Bending Radius..... 8 times the outer diameter

Cable Weight (g/m)..... 140

Operating Temperature..... -20°C to $+70^{\circ}\text{C}$

ELECTRICAL CHARACTERISTICS AT 20°C

Impedance.....	$50 \pm 0,2$ Ohm	Resistance	
Capacitance.....	$80 \pm 0,2$ pF/m	-Inner Conductor.....	3.2Ohm/Km
Propagation Velocity.....	84%	-Outer Conductor.....	3.4Ohm/Km
Insulation DC isolation.....	3kVdc		
Outersheat isolation.....	2kVdc		

ATTENUATION dB/100 m @ 20°C

10 MHz.....	1,7	470 MHz.....	9.8	1750 MHz.....	18.9
50 MHz.....	3.3	860 MHz.....	12.6	2150 MHz.....	21.0
100 MHz.....	4.6	1000 MHz.....	14.5	3000 MHz.....	24.8
230 MHz.....	6.2	1350 MHz.....	15.7	5800 MHz.....	36.6

MAX RF POWER @ 40°C (IEC 1196)

14 MHz.....	1,30KW
432 MHz.....	0,30KW
1296 MHz.....	0,17KW



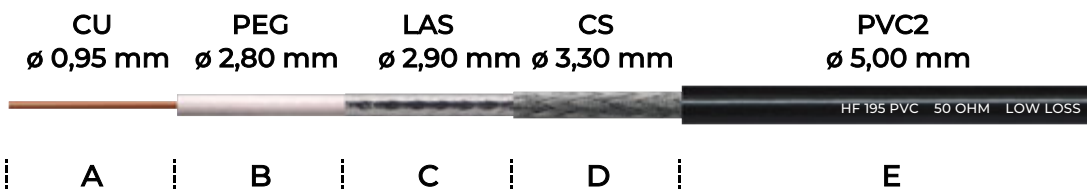
HF 195

COAXIAL CABLE

HIGH PERFORMANCE 50 Ohm

Classe CPR

E_{ca}



CARATTERISTICHE MECCANICHE

A	CONDUTTORE INTERNO	RAME ROSSO	Ø 0,95 mm
B	DIELETTRICO	POLIETILENE ESPANSO A GAS SKIN-FOAM-	Ø 2,80 ± 0,10
C	SCHERMO	SKIN LAMINA COLLANTE DI ALL + PET + ALL	mm h. 12 mm
		- RICOPERTURA	100%
D	TRECCIA	RAME STAGNATO	144 x 0,10 mm
		- RICOPERTURA	94%
E	GUAINA	POLIVINILCLORURO NON	Ø 5,00 ± 0,10
	- COLORE	CONTAMINANTE NERA - RAL 9004	mm
	- MARCATURA	## METER ## HF 195 PVC HIGH PERFORMANCE LOW LOSS CABLE 50 OHM	
		0,95 / 2,80 / 5,00 MADE IN ITALY CE 58 SETT/ANNO EN 50575:2014 + A1:2016	Eca

MINIMO RAGGIO DI CURVATURA (mm)

- PIEGA SINGOLA Ø ESTERNO X 5
- PIEGA MULTIPLA Ø ESTERNO X 10

TEMPERATURA D'ESERCIZIO -30°C / +70°C

PESO DEL CAVO (Kg/Km)

- RAME 16,9
- PLASTICA 19,6
- TOTALE 38,0

CARATTERISTICHE ELETTRICHE a 20°C

IMPEDENZA @ 200	50 ± 1,5 Ohm	RESISTENZA	
MHz CAPACITA'	84 pF/m	- COND. INTERNO	25,2 Ohm/Km
VELOCITA' DI PROPAGAZIONE	80%	- COND. ESTERNO	11,9 Ohm/Km
		TENSIONE	
		- ISOLAM. GUAINA	4,0kV
		SPARK TEST	

ATTENUAZIONI dB/100 m.

		dB	W
5	MHz	2,7	1980
10	MHz	3,6	1400
30	MHz	6,0	808
50	MHz	7,7	626
150	MHz	12,5	361
220	MHz	15,2	298

POTENZA MASSIMA W

		dB	W
450	MHz	22,2	209
600	MHz	26,0	181
800	MHz	30,3	157
900	MHz	32,2	148
1000	MHz	34,4	140
1500	MHz	43,1	114

		dB	W
1800	MHz	47,6	104
2000	MHz	50,6	99
2500	MHz	56,7	89
3000	MHz	62,4	81
5200	MHz	85,9	61
5800	MHz	91,4	58

PERDITE CUMULATIVE DI RIFLESSIONE (SRL) dB

30 ÷ 450	MHz	>25	2000 ÷ 3000MHz	>19
450 ÷ 1000	MHz	>23	3000 ÷ 4000MHz	>16
1000 ÷ 2000	MHz	>22	4000 ÷ 5800MHz	>13

EFFICIENZA DI SCHERMATURA dB

100 ÷ 900	MHz	>90
900 ÷ 2000	MHz	>80
2000 ÷ 3000MHz		>70

La casa costruttrice si riserva di apportare modifiche al prodotto senza preavviso.



CELLFLEX

RF COAXIAL CABLE

1/2"R LOW LOSS



MECHANICAL CHARACTERISTICS

A) Inner conductor	Copper Clad Aluminium.....	ø3,80 ±0,05mm
B) Insulation	Physically foamed PE.....	ø12,20 ±0,2mm
C) Outer conductor	Ring corrugated Copper.....	ø13,70 ±0,2mm
D) Jacket - Colour	LSZH PE_B2ca s1a,d1,a1..... Black	ø15,60 ±0,20mm

Min. Bending Radius (mm)

Single Fold..... 70

Multiple Fold..... 125

Maximum tensile strength (N)..... ≥1130

Recommended max clamp spacing (m)..... 1

ELECTRICAL PROPERTIES

Impedance.....	50±3Ω	Screening attenuation.....	>120dB
Capacitance.....	76 pF/m	Cut-off frequency.....	8.8 GHz
Propagation Velocity.....	86%	DC breakdown Voltage.....	4.0 kV
Inductance.....	0,19μH/m	Insulation resistance.....	>5000MΩ*km
Peak power rating.....	40 kW	PIM.....	≤-160dBc@(2×20W)

ATTENUATION @ 20°C, dB/100m(dB/100ft)

100 MHz.....	2.17	2000 MHz.....	10.70
450 MHz.....	4.75	3000 MHz.....	13.40
690 MHz.....	5.97		
800 MHz.....	6.46		
900 MHz.....	6.85		
1000 MHz.....	7.28		

La casa costruttrice si riserva di apportare modifiche al prodotto senza preavviso.



CELLFLEX

RF COAXIAL CABLE

1/4"R LOW LOSS



MECHANICAL CHARACTERISTICS

A) Inner conductor	Copper Clad Aluminium.....	ø2.40mm
B) Insulation	Physically foamed PE.....	ø6.40mm
C) Outer conductor	Ring corrugated Copper.....	ø7.50mm
D) Jacket - Colour	LSZH PE_B2ca s1a,d1,a1..... Black	ø10mm

Min. Bending Radius (mm)

Single Fold..... 30

Multiple Fold..... 76

Maximum tensile strength (N)..... 910

Recommended max clamp spacing (m)..... 1

ELECTRICAL PROPERTIES

Impedance.....	50±1Ω	Screening attenuation.....	>120dB
Capacitance.....	76.8 pF/m	Cut-off frequency.....	15.8 GHz
Propagation Velocity.....	84%	DC breakdown Voltage.....	2.2 kV
Inductance.....	0.19μH/m	Insulation resistance.....	>5000MΩ*km
Peak power rating.....	12.1 kW	PIM.....	≤-160dBc@(2×20W)

ATTENUATION @ 20°C, dB/100m(dB/100ft)

100 MHz.....	4.05	2000 MHz.....	20.00
450 MHz.....	8.88	3000 MHz.....	25.17
690 MHz.....	11.17		
800 MHz.....	12.10		
900 MHz.....	12.80		
1000 MHz.....	13.60		

La casa costruttrice si riserva di apportare modifiche al prodotto senza preavviso.



LSZHB2CA

RF COAXIAL CABLE

7/8" R LOW LOSS



MECHANICAL CHARACTERISTICS

A) Inner conductor	Copper tube	ø8.60±0.03mm
B) Insulation	Physically foamed PE.....	ø22.5±0.40mm
C) Outer conductor	Ring corrugated Copper.....	ø24.60±0.30mm
D) Jacket - Colour	LSZH PE_B2ca s1a,d2,a1..... Black	ø26.90±0.30mm

Min. Bending Radius (mm)

Single 120

Multiple 250

Maximum tensile strength (N)..... 1470

Recommended max clamp spacing (m)..... 1

ELECTRICAL PROPERTIES

Impedance.....	50±3Ω	Screening attenuation.....	>120dB
Capacitance.....	75 pF/m	Cut-off frequency.....	5.5 GHz
Propagation Velocity.....	86%	DC breakdown Voltage.....	6kV
Inductance.....	0,19μH/m	Insulation resistance.....	>5000MΩ*km
Peak power rating.....	91 kW	PIM.....	≤-160dBc@(2×20W)

ATTENUATION @ 20°C, dB/100m(dB/100ft)

100 MHz..... 1.19	2000 MHz..... 6.11
450 MHz..... 2.65	3000 MHz..... 7.76
690 MHz..... 3.35	
800 MHz..... 3.63	
900 MHz..... 3.88	
1000 MHz..... 4.12	

La casa costruttrice si riserva di apportare modifiche al prodotto senza preavviso.

ACCESSORI STRUMENTI

ACCESSORI

CONNETTORI
ADATTATORI
ATTENUATORI
SCARICATORI DI TENSIONE
PINZE

Model	Foto	Description
CONNETTORI		
5980-CMDSMA		Connettore SMA maschio a crimpare diritto ø 5mm; ø 7mm
5981-CMASMA		Connettore SMA maschio a crimpare 90° ø 5mm
5998-CFNP		Connettore N femmina per cavo da 5mm
5998-CFNM		Connettore N femmina per cavo da 7mm
5998-CFNG		Connettore N femmina per cavo da 10,7mm
5998-CMNP		Connettore N maschio per cavo da 5mm
5998-CMNM		Connettore N maschio per cavo da 7mm
5998-CMNG		Connettore N maschio per cavo da 10,7mm
5998-CMNGA		Connettore N maschio ad angolo per cavo da 10,7mm
5998-CMNCELF		Connettore N maschio per cavo CELFLEX 1/2 pollice
5998-CMNCELFAG		Connettore N maschio ad angolo per cavo CELFLEX 1/2 pollice
5998-CMNCELFP		Connettore N maschio per cavo CELFLEX 1/4 pollice
5998-CMNCELFPA		Connettore N maschio ad angolo per cavo CELFLEX 1/4 pollice
5998-CFN7-8		Connettore N femmina per cavo 7/8"

5998-CMN7-8		Connettore N maschio per cavo 7/8"
ADATTATORI		
5851-SNAM-NF		Adattatore SMA maschio "N" 50Ω femmina
5851A-SMAF-FM		Adattatore SMA femmina / F maschio
5851B-SMAM-FM		Adattatore SMA maschio / F maschio
5851C-SMAF-FF		Adattatore SMA femmina / F femmina
5851D-SMAM-FF		Adattatore SMA maschio / F femmina
5851E-SMAF-SMAF		Adattatore SMA femmina / SMA femmina
5865-SMAF-NM		Adattatore SMA femmina "N" 50Ω maschio
5882-AFN-FN		Adattatore "N" 50Ω femmina "N" 50Ω femmina
5991-AMN-MN		Adattatore "N" 50Ω maschio "N" 50Ω maschio
5992-AFN-MF		Adattatore "N" 50Ω femmina "F" 75Ω maschio
5994-AMN-FF		Adattatore "N" 50Ω maschio "F" 75Ω femmina
SCARICATORE		
8711-SCA		Scaricatore di tensione per cavo coassiale
TERMINAZIONI E ATTENUATORI RF E OTTICI		
5995-RCN		Resistenza coassiale maschio 50Ω "N"
5165-AD9N		Attenuatore coassiale diritto conn. "N" 50Ω femmina Frequenza 700-2700Mhz
3B3001-FOATTSC		Attenuatore ottico SC/FC
PINZA CRIMPATRICE		
6421C-PCP		Crimpatrice per cavo LMR400, LMR240, HF195, RG58, RG59, RG142

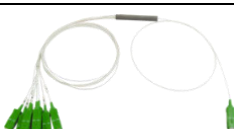


SPLITTER-TRASMETTITORI

2/3/4 WAY RF
2/4/8/16/32/64 WAY OTTICI
TX-RX OTTICO

Consentono di collegare più antenne ad un amplificatore per
espandere l'area di copertura del segnale

Model	Foto	Description
SPLITTER RF		
5521-2SPN8		Splitter a 2 vie -4dB conn. N femmina Frequenza 700-5000MHz
5520-3SPN8		Splitter a 3 vie -6dB conn. N femmina Frequenza 700-5000MHz
5521-4SPN8		Splitter a 4 vie -8dB conn. N femmina Frequenza 700-5000MHz
5522-1DEN8		Derivatore 10UT -8dB Frequenza 3800MHz

SPLITTER OTTICI		
3B3021-FOSP02SC		Splitter ottico micro a 2 vie SC/SC
3B3022-FOSP04SC		Splitter ottico micro a 4 vie SC/SC
3B3023-FOSP08SC		Splitter ottico micro a 8 vie SC/SC
3B3024-FOSP016SC		Splitter ottico micro a 16 vie SC/SC
3B3025-FOSP032SC		Splitter ottico micro a 32 vie SC/SC
3B3026-FOSP064SC		Splitter ottico micro a 64 vie SC/SC
3B3030-PIGTAIL		Connettore SC/APC
TX-RX OTTICO		
3B2113-TX-RX		TX-RX ottico 10mW con ACG TX 1310nm RX 1260-1600nm SC/APC, FC/APC
3B2114-TX-RX N		Tx-rx ottico 10mW conn. "N" con ACG TX 1310nm RX 1260-1600nm SC/APC, FC/APC
3B2020A-ORH ACG		Mini ricevitore conn. "F" con ACG



FIB 11 KIT GIUNTATRICE OTTICA

Conformi alla normativa
IEC 62321-4:2013+A1:2017
IEC 62321-5:2013
IEC 62321-6:2015
IEC 62321-7-1:2015
IEC 62321-7-2:2017
IEC 62321-8:2017
EN 55032:2015+A1:2020
EN 55035:2017+A11:2020
EN IEC 61000-3-2:2019+A2:2024
EN 61000-3-3:2013+A2:2021+AC:2022

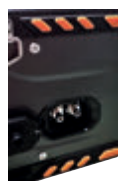
- GIUNTATRICE OTTICA
- TAGLIERINA PER FIBRA AUTOMATICA E MANUALE
- COPPIA ELETTRODI DI RICAMBIO
- SPELAFIBRA
- CONTENITORE PER LIQUIDO DI PULIZIA
- PENNELLO
- ALIMENTATORE PER GIUNTATRICE
- TRACCOLLA PER GIUNTATRICE
- FIBRA OTTICA PER TEST
- TUBETTI TERMORETRAIBILI PER GIUNZIONI FIBRA
- VALIGIA



TAGLIERINA AUTOMATICA
E MANUALE



ELETTRODI



POWER METER
VFL/OPM



SPELAFIBRA



SUPPORTO IN CERAMICA (V)
AD ALTA PRECISIONE

MODEL	8201-FIB11
Applicable Fibers	SM(G.652); MM(G.651); DSF(G.653); NZDS(G.655)
Splice Loss	0.02dB(SMF); 0.01dB(MMF); 0.04dB(DS/NZDS)
Focus Mode	6 motori AUTO FOCUS
Fiber Alignment	CORE/CLADDING
Typical Splicing Time	8S
Typical Heating Time	18 S
Electrode Life	3000 times
Fiber Diameter	CLADDING 80-150µm/COATING 0.1-3mm
Fiber Cleave Length	Coating less than 250m:8-16mmCoating less m250-1000µm:16mm
Heating Shrinkable Tube	20mm, 30mm, 40mm, 50mm, 60mm
Tension Test	1.96-2.25N
Screen	4.3 inch touch LCD color screen
Battery	5200 mA high-capacity lithium battery, charging time ≤ 3.5 hours, continuous splicing and heating about 240 times
Power Supply	Input AC100-240V 50 / 60HZ, output DC13.5V / 4A
Operating Condition	Temperature -15°~+50 °C, humidity: <95% RH (no condensation), Working altitude: 0-5000m. Resist max. wind speed: ≤ 15m/s
Size/Weight	156x155x152mm/1.74Kg



COMBO METER

T2/S2/C

MOBILE

WiFi, OPTICAL POWER



8112-AIR 9

Le sue dimensioni contenute ed il peso ridotto lo rendono estremamente pratico in ogni situazione. Dotato di una robusta custodia di protezione per proteggere le parti più sensibili dello strumento.

MISURE DIGITALI TV, SAT, SEGNALI TELEFONIA, WiFi e OPTIC POWER, DAB+FM.

Permette di eseguire le misure per segnali analogici, di telefonia mobile, DVB-T/T2, DVB-S/S2 e DVB-C come: BER pre e post-Viterbi, MER, C/N, ecc.

TELEALIMENTAZIONE INCLUSA DA 5V A 20V.

Supporta anche la compatibilità per DiSEqC 1.2, SatSCR e DCSS.

Il misuratore include un analizzatore di spettro, permette la visione del diagramma di costellazione (DVB-S/S2, DVB-T/T2 e DVB-C) ed ECHI.

TORCIA LED. Il misuratore è dotato di illuminazione.

AGGIORNAMENTO SOFTWARE via USB.

Parameters	BANDA TERRESTRE	BANDA SATELLITE
Input Frequency	45 ~ 1200MHz	950 ~ 2150MHz
Signal input level	-90dB to 10dB	-80dB to 10dB
Alimentazione antenna	5V/12V/20V/250mA max	13V/18V/21V 500mA max
Demodulazione	QPSK, 16QAM, 64QAM, 256QAM, T/T2	QPSK, 8PSK, S/S2
Tipo sintonia	LCN on/off	
Valori	PWR, LEVEL, C/N, CBER, VBER, MER, COSTELL., T/T2	PWR, LEVEL, C/N, CBER, VBER, MER, COSTELL., S/S2
Standard	B/G, DVB-T/T2, DVB-C, CATV	DVB-S/S2
LNB		UNIVERSALE, DiSEqC, SCR, dCSS
Symbol rate		Da 1 a 45 Mbps FULL-selezione automatica
Video	MPEG-2 SD, MPEG-4 HD, HEVC H.265, 4K	
Audio	MPEG-1 Layer I/II, MPEG-2 Layer I/II	
WiFi	-10dB/-90dB	
Optical Power	+50dBm/-50dBm	
Connettore	ALL IN 75Ohm "F" male	
Porta dati/aggiornamento	USB	
Schermo	TOUCHSCREEN 9"	
Alimentazione	Adattatore principale 100~240V, uscita 12Vcc/2A	
ANALISI SPETTRO	In tempo reale TUNER ANALOGICO	
• Velocità scansione	SI	
• NIT (OSD) e immagine TV		
MISURA SEGNALE TELEFONICO		
Intervallo misurazione potenza	-80~10dB	
Banda LTE	800MHz	
Banda EGSM	900MHz	
Banda DCS	1800MHz	
Banda UMTS	2100MHz	
Banda LTE	2600MHz	
Batteria	Ioni di litio, 7, 4V/5000mA	
Autonomia/Tempo ricarica	2 ore/ 3 ore	
Dimensioni/Peso/Garanzia	35x175x255mm / 1,2Kg / 1 anno	



3B elettronica
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