

Modern DVB-T broadband antenna

ASR IQ LTE PROTECTED SAW



RoHS



- Adapted to receiving digital terrestrial TV DVB-T signals
- Built-in 470-790 MHz band-pass filter
- Large power gain, and built-in **ultra-low noise preamplifier**
- Aesthetic and robust design
- Powering the preamp with 5...12V direct current (12V power supply with the ZZA-7 branching filter is included)

Modern broadband antenna dedicated to receive the signals of the DVB-T digital television. The LTE PROTECTED version includes implemented, much expanded band-pass filtration which eliminates the interfering out-of-band signals (LTE 800, CDMA 450, GSM 1800, etc.). The above-mentioned out-of-band signals (particularly those coming from the local modems), may result in overdrive of the preliminary amplifiers and other active components. By the use of ASR IQ LTE PROTECTED antenna we protect the DVB-T signal against influence of those signals.

The antenna features a large antenna power gain and built-in ultra-low noise preamplifier that can be powered by means of voltage of the broad range 5-12V. Low level of internal noises of the first stage of gain is very essential for acquisition of a very good quality signal (large signal/noise gap).

The antenna is folded. To install, just slightly loosen side knobs, unfold the "wings", and then retighten the knobs.

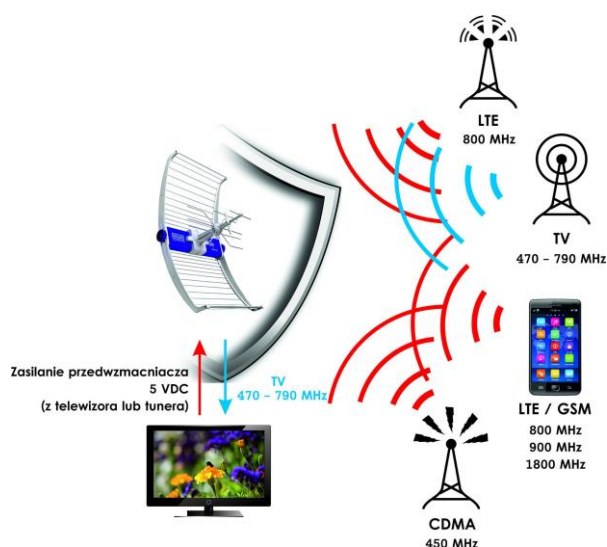
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TECHNICAL PARAMETERS

NAME/PARAMETERS		asr IQ LTE Protected SAW
Frequency range	MHz	470-790
Gain	dB@MHz	14@470-782
Maximum output level	dBμV	106
Amplification in the operating band	dB/MHz	18...23dB/470MHz 14,2...19,2/750MHz
Attenuation beyond the operating band relative to f=600MHz	dB/MHz	>24,6/800, >28,1/851, >51,1/1480
Polarization	/	Horizontal (H)
Half Power Beam Width 3dB (horizontal plane)	°(deg)	40
Radiation ratio front/back	dB	24
Noise ratio	dB	4
Switch level (at the output)	dBμV	90...93
Current consumption	mA	59
Supply voltage	V _{DC}	5-12
OTHER		
Mast diameter – maximum	mm	25-60
Max. wind load	N	120
Output impedance	Ohm	75
Output connector type	/	"F" socket
Dimensions of unfolded antenna	mm	820 x 455 x 220
Standard equipment	/	"F" screw pin x 1pc, branching filter ZZA-7 with ~230V power supply

Technical parameters are subject to change without prior notice.

ASR IQ LTE PROTECTED SAW application example



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