



TSL 910 RSL 900 Composite Aural STL System



- Zero to twelve watts output power, front panel adjustable
- Externally programmable in 25 KHz steps
- 3 SCA inputs
- RF monitoring BNC in the transmitter's front panel

TSL 910 Specifications

Frequency Ranges:
940 to 960 MHz – 200 to 240 MHz – 300 to 330 MHz

Frequency stability : better than 5 ppm, 0 to 50 C (32 to 122 F)

Emission Class: F3E

Output Impedance & Connector: Type N" 50 Ohms

Harmonic Frequencies Level (ref. to carrier): < -65 dB

Spurious Frequencies Level (ref. to carrier): < -80 dB

Input Impedance: 600 ohms or greater

Input Level:
-6 dBm to +10 dBm nominal for ± 75 KHz deviation adj.

Mono Input (with pre-emphasis) XLR Connector:
pre-emphasis 50/75 μ s selectable
bandwidth 30Hz – 15 KHz
attenuation at 19 KHz 40 dB or greater
deviation from pre-emphasis curve ± 0.4 dB

Stereo Input : BNC Connector
Adj. from -3 dB to + 10 dB

Asynchronous AM S/N Ratio : 70 dB below ref. carrier with 100% AM Modulation, 75 usec. De-emphasis

Synchronous AM S/N Ratio : 65 dB below ref. Carrier with 100% AM modulation (FM modulation ± 75 KHz)

Distortion (THD): : 75kHz < 0.04% dev

S/N Ratio (ref. to 50 kHz / 1000 Hz):
Mono > 70 dB : Stereo > 65 dB

SCA inputs, BNC Connectors: 3 inputs(1.5 V p-p)

Power Supply
operating voltage : 100 –240 V direct input
power consumption 50 / 70 VA
battery powered (optional) 24 Vdc, 3A

Operating Conditions
cooling 12Vdc fan
operating temperature 0° to +50°C (32° to +122°F)
relative humidity 95% max.

Dimensions:
weight 10 Lbs / 4.5 kg
width 19" / 483mm
height 1.74" / 44mm
depth 18" / 457mm

- IF monitoring in the receiver's front panel
- All functions via LCD password protected
- Meets or exceeds all FCC and CCIR requirements
- Remote control software for monitoring (optional)

RSL 900 Specifications

Frequency Ranges:
940 to 960 MHz 200 to 240 MHz – 300 to 330 MHz

Input Impedance & Connector:
50 ohm type 'N' female

Audio Frequency Output:
0 dBm at 600 ohms ± 6 dB adj.

IF Output:
0dBm at 10.7MHz / 50 ohms

Audio Outputs : 2 BNC, MPX connectors ; 1 XLR mono; 3 BNC SCA

De-emphasis: 50 / 75 μ s

Input Voltage Range:
5 μ V – 30mV rms

Image Rejection:
>65dB

Distortion (THD):
< 0.3% (typ 0.2)

Frequency Linearity (15Hz – 100 kHz):
 ± 0.4 dB

Signal to Noise Ratio: >70dB

Selectivity: -40dB at ± 500 KHz

Sensitivity: - 5 μ V for S/N > 30dB S/N
-15 μ V for S/N > 40dB S/N
-50 μ V for S/N > 55dB S/N
-150 μ V fo S/N > 60dB S/N
-1500 μ V for S/N > 70dB S/N

Power Supply:
operating voltage 110/220 $\pm 20\%$ Vac
power consumption 30 VA
battery powered (optional) 12-15Vdc, 1.8 A

Operating Conditions:
operating temperature 0° to +50°C (32° to +122°F)
relative humidity 95% max.

Dimensions:
weight 10 Lbs / 4.5 kg
width 19" / 483mm
height 1.74" / 44b mm
depth 18" / 457mm