



## Spectrum Scanner SS

## Spectrum Scanner (SS)

### General Overview

The Spectrum Scanner is a lightweight, portable and state of the art 3G or UMTS spectrum Scanning Tool. Featuring the latest fast scanning bespoke receiver technology, the SS is a standalone system designed to work with any UMTS manipulation system on the market today.

Using optimized scanning technology, the SS will fully decode all the 3G or UMTS information required for the configuration of a 3G or UMTS IMSI grabber.

The Spectrum Scanner hides the complexity of 3G system manipulation to provide the information required in a simple easy to understand format. This has the added benefit of reducing the training requirement for new operators.



### Main Features

- Very fast scan speed using bespoke receiver technology
- Simple Graphical User Interface (GUI)
- Capability to scan all channels in a single frequency band and decode all SIBs for up to 40 cells across up to 12 UARFCNs within 120 seconds
- Scan nominated channels/UARFCNs
- Scan for nominated scrambling code on specified UARFCN
- Display of total Received Signal Strength Indication (RSSI) per UARFCN centre frequency
- Display of Received Signal Code Power (RSCP) per scrambling code
- Display of interconnectivity of Neighbours
- Scan all channels within frequency band for channels in use
- Read MIB and all broadcast SIBs transmitted on the P-CCPCH, for each detected cell

### System Modes

Complete Scan	Scan all channels within frequency band for UMTS channels in use
Fast Scan	Use previously stored frequency information
Network Monitor	Takes the input of the Complete or Fast Scans and provides full analysis of 3G neighbours
Recommend Cell Emulation	Takes the output of the complete or Fast Scans and recommends in order of the best cell to emulate

**Key Specifications**

Function	Scan all channels in specified frequency band for active UMTS	
Channel Range	UMTS Band 1 (1200MHz)	
Sensitivity	3 GPP TS25.101 compliant	
Supply Voltage	12Vdc or 24Vdc	
Power Consumption	<60W	
Antenna Connector	SMA female	
Receiver Unit	W 323mm x H178mm x D288mm	4kg
Operating Temperature	- 5°C to + 45°C (23°F to 158°F)	
Storage Temperature	-10°C to + 70°C (14°F to 158°F)	
Display Device	Panasonic Toughbook CF 19	
Interfaces	RJ45 Ethernet USB	



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