



(Spectrum Monitor)

The purpose of spectrum monitoring is to effectively manage the AOC spectrum, especially in highly congested areas.

#### Areas of interest:

- Identify and locate both unused and underused frequencies.
- Identify un-licensed frequencies.
- To locate and record intermittent causes of interference.



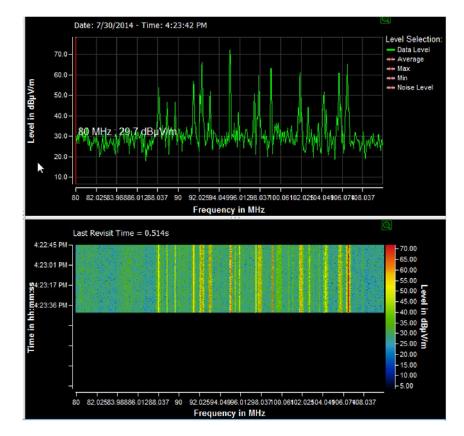
## Capabilities

- Ability to continuously monitoring the entire AOC spectrum.
- Ability to filter specific frequencies or bandwidth.
- Ability to triangulate rouge transmissions.
- Ability to remotely access monitor and download data.
- Ability to Demodulate, listen and record transmissions.



### **Basic Measurements**

- Spectrogram the most recent sweep's power level for each frequency scanned.
- Waterfall chart Scrolls down in time showing the power level for each frequency based on color





# **Examples of Live Monitoring**

- 1. Measurement parameters
- 2. Controls
- 3. Spectrogram
- 4. Strength Over Time
- 5. Waterfall
- 6. Compass chart

Informations			No Frequencies!	0	100 MHz
RMU Name:	RMU_USA		340-	Level Selection: — Data Level	40-
Device List:	LS-Standard		30-		30-
Frequency:	100 MHz		20 -		20-
Bandwidth:	0.15 MHz	Bm	10-		E 10-
Preamplifier:	OFF 🖌	Level in dBm	0-		шарана 10- царана и поределание и поре -10-
Attenuation:	0 dB 🛛 🗸	eve	-10-		-10
Demodulation:	FM 🕑		-20 -		-20-
Volume:	<u></u>		-30-		-30 -
volume:			-40 -		-40 -
> Play	Start Stop Save		-50		-50 -
Play	Start Stop Save		0.01	10000	
	Display Spectrum	-	Frequency in MH		Time in hh:mm:ss
	Display Strength Over Ti	me		2	Play Acoustic
-	🖂 Display Waterfall		٦	50.00	+ -20 dBm
2			_	- 40.00	
			5	- 30.00	6 NW 188 NE
		SS		-20.00	
		Time in hh:mm:ss	-	-10.00	
		h h		-0.00 =	vv18:88
		ne ir		10.00 B	
		Ē			
			1		SW
				40.00	S
			1	L-50.00	
			0.01	10000	40 dBm



### **Questions?**