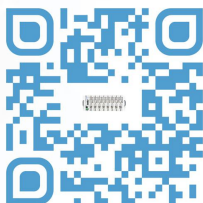


The Active SYM Point of Interface (ASPOI) is an innovative approach to remotely managing and monitoring the power levels of DAS systems. The traditional method of using passive RF conditioners is being replaced by this more intelligent interface that provides a vast improvement.



Active DAS Trays provide many additional features over traditional passive Trays:

- The modular design is more compact and provides as much as a 40% savings of space, reducing costs and making room for additional sectors
- Receiving power threshold and temperature alarms
- Controlling the venue remotely, reducing site visits
- Reviewing a historical report of input and output power levels

Feature Highlights

- **Innovative GUI:** The visual block diagram GUI giving you full understanding of signal flow and power level at a glance and makes the ASPOI so easy to use, some customers call it "manual free" operation, very little training is required
- Quick and easy batch installation with copy/paste functionality, customers say "this is the easiest tray to install"
- Bird's-eye view GUI showing all the daisy-chained ASPOIs on single screen
- Grow as you go-modular design with many options including 2.6 TD-LTE
- Space saving 2x2 way combiner/splitter card can combine two independent MIMO sector inputs

Top Features and Benefits for Highlights

Dual Power Mode	It handles up to 48dBm on High Power Mode and 38dBm on Low Power Mode which allows for a lower insertion loss for low power radios of only 2~3.5dB
Built-In CW Tone Generator	With integrated CW tone generation, it streamlines CW test procedures without walkie-talking between two installers, significantly reducing DAS commissioning time
Safe Mode	In the event of a power failure, it bypasses to "Safe Mode" to ensure continuous service. The downlink path will maintain its attenuation levels with no change, and the uplink will default to a safe 7.5dB insertion loss
Monitoring Ports	Each card has a physical monitoring port for both uplink and downlink, eliminating the need to put external couplers
"One-click" As-built Report	With a single click of the mouse, users can download the entire daisy chain as-built report for site commissioning

ASPOI Data Specifications



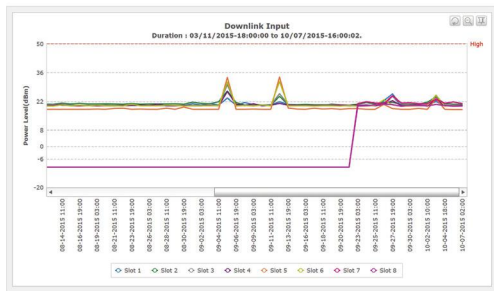
iSpectrum Monitor



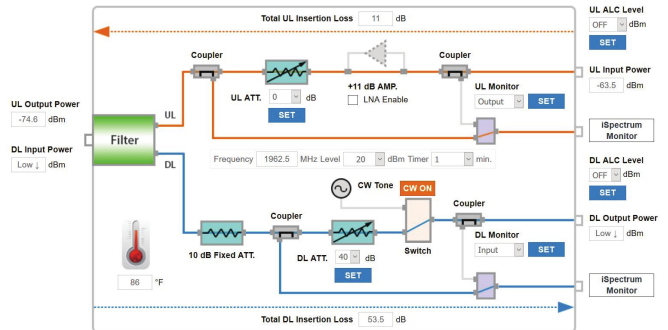
Spectrum View with iSpectrum

Parameter	Downlink		Uplink
	High Power	Low Power	
Max. Input Power	48 dBm (60 Watt)	38 dBm (6 Watt)	-10 dBm
Insertion Loss	S700L, S700, S800S, S800N, S850	12 ± 0.5 dB	2 ± 1 dB
	S1900, S2100, S2100N, S2300	13.5 ± 0.5 dB	3.5 ± 1 dB
	S2600	17.5 ± 1 dB	7.5 ± 1 dB
Attenuation Range	0 - 40 dB /1 dB step		0 - 31 dB /0.5 dB step
PIM	> 153 dBc @43 dBm x 2		
CW Tone Level	-10 dBm to +20 dBm		
	(-15 dBm to +15 dBm for S2600)		
Power	SP-MFC	21 W	
Consumption	RF Card	8.4 W for all FDD cards, 14.4 W for S2600	

Model	Description	Downlink Freq.	Uplink Freq.
S700L	700 MHz Lower A, B, C Band	728-746 MHz	698-716 MHz
S700	700 MHz Upper C Band	746-757 MHz	776-787 MHz
S800S	800 MHz SMR Band Partial SMR Band	862-869 MHz	817-824 MHz
S800N	800 MHz Full SMR Band	851-869 MHz	806-824 MHz
S850	850 MHz Cellular Band	869-894 MHz	824-849 MHz
S1900	1900 MHz EPCS Band	1930-1995 MHz	1850-1915 MHz
S2100	2100 MHz AWS 1 Band	2110-2155 MHz	1710-1755 MHz
S2100N	2100 MHz AWS 1 & 3 Band	2110-2180 MHz	1710-1780 MHz
S2300	2300 MHz WCS Band	2350-2360 MHz	2305-2315 MHz
S2600	2600 MHz BRS Band	2496-2690 MHz	
SPC2W	2x2-way Combiner/Splitter	617-2700 MHz	
SPC4W	1x4-way Combiner/Splitter	617-2700 MHz	



Power Level Chart



Visual Block Diagram GUI

