



# SHURE WIRELESS PRODUCT SPECTRUM



Shure Wireless Systems and Wireless Management Hardware, RF Operating Bands		UHF TV BAND (After June 2009)		New Wireless Services		Public Safety	New Svcs	Public Safety	STL																																																				
<b>Antenna Distribution Amplifiers</b>																																																													
UA845-SWB	5 Port Ant Distro 470-952 MHz	SWB																																																											
UA844SWB	4 Port Ant Distro 470-952 MHz	SWB																																																											
<b>PSM® Antenna Combiners</b>																																																													
PA411	Antenna Combiner 470-865 MHz	SWB																																																											
PA821A	8 Port Ant Combiner 470-952 MHz	SWB																																																											
PA421A	4 Port Ant Combiner 470-952 MHz	SWB																																																											
<b>Wide Band Antennas</b>																																																													
HA-8089	Helical Ant 480-900 MHz	WB																																																											
HA-8241	Helical Ant 944-952 MHz	X1																																																											
PA805SWB	Passive Directional Ant 470-952 MHz	SWB																																																											
PA805X	Passive Directional Ant 944-952 MHz	X1																																																											
UA860SWB	1/2 Wave Omni Ant 470-1100 MHz	SWB																																																											
UA864US	Active Wall Mount Ant 470-698 MHz	USTV																																																											
UA874X	Active Directional Ant 925-952 MHz																																																												
UA874US	Active Directional Ant 470-698 MHz	USTV																																																											
<b>In-Line Amplifiers, Filters, and Splitter</b>																																																													
UA830WB**	In-Line Ant Amp 500-900 MHz	WB																																																											
UA830USTV	In-Line Ant Amp 470-698 MHz	USTV																																																											
UA830X	In-Line Ant Amp 944-952 MHz	X1																																																											
UAPF-X1	RF Filter passes 944-952 MHz	X1																																																											
UA221	Passive 2-to-1 470-952 MHz	SWB																																																											
US TV Channel		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	806-944	944-952	1920-1930	2400
Frequency (MHz)		470-476	476-482	482-488	488-494	494-500	500-506	506-512	512-518	518-524	524-530	530-536	536-542	542-548	548-554	554-560	560-566	566-572	572-578	578-584	584-590	590-596	596-602	602-608	608-614	614-620	620-626	626-632	632-638	638-644	644-650	650-656	656-662	662-668	668-674	674-680	680-686	686-692	692-698	698-704	704-710	710-716	716-722	722-728	728-734	734-740	740-746	746-752	752-758	758-764	764-770	770-776	776-782	782-788	788-794	794-800	800-806	806-944	944-952	1920-1930	2400

Key:	RF Bands for Shure Products with Band Name	New Wireless Services	Out of band. 806 - 944
	Discontinued Shure Products	Public Safety. Avoid operating Shure products in this band.	Band Overlap

- NOTES:
- Only 8 MHz of spectrum is available the X band.
  - The G bands extend from 470 to 530 MHz (60 MHz total). This spectrum is in the core TV band channels 14 to 23.
    - Public Safety communications use part of this spectrum in 13 major metropolitan areas.
    - Wireless microphone users MUST AVOID Public Safety channels in each city as appropriate.
  - For more help with frequency bands available in your area, visit [www.shure.com/frequency](http://www.shure.com/frequency).

<sup>1</sup>AXT400 receiver is wide-band. AXT100/200 transmitters are limited to the G1/H4/J5/L3 bands.  
<sup>2</sup>Shure recommends that the USTV band products be used unless extended bandwidth between 698-806 MHz is required.  
<sup>3</sup>Shure wireless microphones and PSM systems do not operate in TV Channel 37.