

SHURE WIRELESS PRODUCT SPECTRUM (U.S. ONLY)

Wireless Systems, Wireless Management Hardware and corresponding RF Operating Bands



US TV Channel	VHF	UHF TV BAND (After June 2009)																																		ISM	STL						
		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		
Frequency (MHz)	174-216	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	698-902	902-928	944-952	2.4 GHz
Antenna Distribution Amplifiers																																											
UA844+SWB	5-way Antenna Distribution Amp	SWB																																									
UA844+V	5-way Antenna Distribution Amp	V50																																									
UA845UWB	5-way Switchable Multi-Band Dist	UWB																																									
PSM® Antenna Combiners																																											
PA411	4 Input Ant. Combiner 470-865 MHz	SWB																																									
PA821A	8 Port to Input with 2-1 Passive Combiner 470-952 MHz	SWB																																									
PA421A	8 Port to Input with 2-1 Passive Combiner 470-952 MHz	SWB																																									
Antennas																																											
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																																									
UA874V	Active Directional Ant. 174-216 MHz	V50																																									
UA874US	Active Directional Ant. 470-698 MHz	USTV																																									
UA874XA	Active Directional Ant. 902-960 MHz																																				XA						
In-Line Amplifiers, Filters, and Splitters																																											
UA834V	In-line Ant. Amp 174-216 MHz	V50																																									
UA834WB	In-line Ant. Amp 470-902 MHz	WB																																									
UA834XA	In-line Ant. Amp 902-960 MHz																																				XA						
UAPF-X1	RF Filter passes 944-952 MHz																																				X1						
UA221	Passive 2-to-1 Ant. Splitter 470-952 MHz	SWB																																									

NOTES:

- Only 8 MHz of spectrum is available the X1 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.

¹Shure recommends that the USTV band products be used unless extended bandwidth between 698-806 MHz is required.
²Shure wireless microphones and PSM systems do not operate in TV Channel 37.