SHURE WIRELESS PRODUCT SPECTRUM

SHURE®

Shure Wireless Systems and Wireless Management Hardware, RF Operating Bands

Band	US TV Channel	Frequency (MHz)
UHF TV BAND (After June 2009)	14	470-476
	15	476-482
	16	482-488
	17	488-494
	18	494-500
	19	500-506
	20	506-512
	21	512-518
	22	518-524
	23	524-530
	24	530-536
	25	536-542
	26	542-548
	27	548-554
	28	554-560
	29	560-566
	30	566-572
	31	572-578
	32	578-584
	33	584-590
	34	590-596
	35	596-602
	36	602-608
	37	608-614
	38	614-620
	39	620-626
	40	626-632
	41	632-638
	42	638-644
	43	644-650
	44	650-656
	45	656-662
	46	662-668
	47	668-674
	48	674-680
	49	680-686
	50	686-692
	51	692-698
New Wireless Services	52	698-704
	53	704-710
	54	710-716
	55	716-722
	56	722-728
	57	728-734
	58	734-740
	59	740-746
	60	746-752
	61	752-758
	62	758-764
Public Safety	63	764-770
	64	770-776
New Svcs	65	776-782
	66	782-788
	67	788-794
Public Safety	68	794-800
	69	800-806
	- -	806-944
STL	- -	944-952
		1920-1930
	- -	24 00

Product	RF Operating Bands (low to high frequency)
Wireless Microphones	
Axient®	A
UHF-R®	G1, H4, J5, L3, X1
ULX-D® Digital	G50, H50, J50, L50
QLX-D™ Digital	G50, H50, J50, L50
ULX®	G3, J1, M1, X1
SLX®	G4, G5, H5, J3, L4
BLX®	H8, J10, K12, M15
GLX-D® Digital	Z1
FP	G4, G5, H5, J3, L4
Microflex™ Wireless	Z10
PGX Digital	X8
Wireless Personal Monitors	
PSM®1000	G10, J8, L8
PSM®900	G6, G7, K1, L6, X1
PSM®200	H2
PSM®300	G20, J13

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.

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

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www.shure.com
Technical Support: (847) 600-8440

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Product	Description	Band(s)
Antenna Distribution Amplifiers		
UA845-SWB	5 Port Ant Distro 470-952 MHz	SWB
UA844SWB	4 Port Ant Distro 470-952 MHz	SWB
PSM® Antenna Combiners		
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
Wide Band 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
UA874X	Active Directional Ant 925-952 MHz	
UA874US	Active Directional Ant 470-698 MHz	USTV
In-Line Amplifiers, Filters, and Splitter		
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

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