



**QuanSheng UV-R50 HAM SHTF (128 Channels)  
 “S#it Hits The Fan” - Budget Prepper VHF/UHF  
 Custom Programming Chart**

Channel	Name	Rx Freq.	Tx Freq.	Rx CTCSS	CTCSS	Tx Power	W/N	Scan	BCL	Comment
0	2mCALL	146.5200	146.5200	NO	100.0	High	Width	Yes	NO	2m Ham Simplex Call
1	GMFRS1C	462.5625		NO	141.3	High	Narrow	Yes	NO	GMRS/FRS - Call-SOS
2	GMFRS2S	462.5875		NO	141.3	High	Narrow	Yes	NO	BSR Neighborhood Safety
3	GMFRS3E	462.6125		NO	141.3	High	Narrow	Yes	NO	Prepper - EM
4	GMFRS4	462.6375		NO	141.3	High	Narrow	Yes	NO	
5	GMFRS5	462.6625		NO	141.3	High	Narrow	Yes	NO	
6	GMFRS6	462.6875		NO	141.3	High	Narrow	Yes	NO	
7	GMFRS7	462.7125		NO	141.3	High	Narrow	Yes	NO	
8	FRS8	467.5625		NO	141.3	Low	Narrow	Yes	NO	FRS
9	FRS9	467.5875		NO	141.3	Low	Narrow	Yes	NO	
10	FRS10	467.6125		NO	141.3	Low	Narrow	Yes	NO	
11	FRS11	467.6375		NO	141.3	Low	Narrow	Yes	NO	
12	FRS12	467.6625		NO	141.3	Low	Narrow	Yes	NO	
13	FRS13	467.6875		NO	141.3	Low	Narrow	Yes	NO	
14	FRS14	467.7125		NO	141.3	Low	Narrow	Yes	NO	
15	GMRS15C	462.5500		NO	141.3	High	Width	Yes	NO	GMRS Simplex - Call
16	GMRS16S	462.5750		NO	141.3	High	Width	Yes	NO	
17	GMRS17E	462.6000		NO	141.3	High	Width	Yes	NO	Survival - EM
18	GMRS18	462.6250		NO	141.3	High	Width	Yes	NO	
19	GMRS19	462.6500		NO	141.3	High	Width	Yes	NO	CAN Restricted
20	GMRS20T	462.6750		NO	141.3	High	Width	Yes	NO	EM/Travel

Channel	Name	Rx Freq.	Tx Freq.	Rx CTCSS	CTCSS	Tx Power	W/N	Scan	BCL	Comment
21	GMRS21	462.7000		NO	141.3	High	Width	Yes	NO	CAN Restricted
22	GMRS22	462.7250		NO	141.3	High	Width	Yes	NO	
23	GMRS15Cr	462.5500		NO	141.3	High	Width	Yes	NO	<b>GMRS Repeaters</b>
24	GMRS16Sr	462.5750		NO	141.3	High	Width	Yes	NO	
25	GMRS17Er	462.6000		NO	141.3	High	Width	Yes	NO	
26	GMRS18r	462.6250		NO	141.3	High	Width	Yes	NO	
27	GMRS19r	462.6500		NO	141.3	High	Width	Yes	NO	CAN Restricted
28	GMRS20Tr	462.6750		NO	141.3	High	Width	Yes	NO	<b>Prepper/Survival</b>
29	GMRS21r	462.7000		NO	141.3	High	Width	Yes	NO	CAN Restricted
30	GMRS22r	462.7250		NO	141.3	High	Width	Yes	NO	
31	MURS1C	151.8200		NO	141.3	High	Narrow	Yes	NO	MURS - Call
32	MURS2S	151.8800		NO	141.3	High	Narrow	Yes	NO	<b>BSR Neighborhood Safety</b>
33	MURS3E	151.9400		NO	141.3	High	Narrow	Yes	NO	<b>Prepper - EM</b>
34	MURS4B	154.5700		NO	141.3	High	Width	Yes	NO	Blue Dot - Business
35	MURS5G	154.6000		NO	141.3	High	Width	Yes	NO	Green Dot - Business
36	WX1	162.5500		NO	NO	Low	Width	No	NO	<b>NOAA NWS Weather</b>
37	WX2	162.4000		NO	NO	Low	Width	No	NO	
38	WX3	162.4750		NO	NO	Low	Width	No	NO	
39	WX4	162.4250		NO	NO	Low	Width	No	NO	
40	WX5	162.4500		NO	NO	Low	Width	No	NO	
41	WX6	162.5000		NO	NO	Low	Width	No	NO	
42	WX7	162.5250		NO	NO	Low	Width	No	NO	
43	WX8CAN	161.6500		NO	NO	Low	Width	No	NO	MMS 21B Canada Marine Weather
44	WX9CAN	161.7750		NO	NO	Low	Width	No	NO	MMS 83B Canada Marine Weather
45	MMS01A	156.0500		NO	151.4	High	Width	Yes	NO	<b>MMS - Maritime Mobile Service - Port Ops / Commercial NOLA</b>
46	MMS05A	156.2500		NO	151.4	High	Width	Yes	NO	Port Operations or VTS NOLA & Seattle
47	MMS06	156.3000		NO	151.4	High	Width	Yes	NO	<b>Intership Safety</b>
48	MMS07A	156.3500		NO	151.4	High	Width	Yes	NO	Commercial
49	MMS08	156.4000		NO	151.4	High	Width	Yes	NO	Commercial (Intership only)
50	MMS09	156.4500		NO	151.4	High	Width	Yes	NO	Boater Calling. Commercial and Non-Commercial

Channel	Name	Rx Freq.	Tx Freq.	Rx CTCSS	CTCSS	Tx Power	W/N	Scan	BCL	Comment
51	MMS10	156.5000		NO	151.4	High	Width	Yes	NO	Commercial
52	MMS11	156.5500		NO	151.4	High	Width	Yes	NO	Commercial. VTS in Selected Areas
53	MMS12	156.6000		NO	151.4	High	Width	Yes	NO	Port Operations. VTS in San Francisco
54	MMS13	156.6500		NO	151.4	Low	Width	Yes	NO	Intership Navigation Safety (Bridge-to-Bridge)
55	MMS14	156.7000		NO	151.4	High	Width	Yes	NO	Port Operations. VTS in San Francisco Bay / Delta
56	MMS15WX	156.7500		NO	151.4	High	Width	Yes	NO	Environmental/Weather (Receive only)
57	MMS16EM	156.8000		NO	151.4	High	Width	Yes	NO	<b>International Distress</b>
58	MMS17	156.8500		NO	151.4	High	Width	Yes	NO	State & Local Govt. Maritime Control / DHS SAR
59	MMS18A	156.9000		NO	151.4	High	Width	Yes	NO	Commercial
60	MMS19A	161.5500		NO	151.4	High	Width	Yes	NO	Ship to Shore (Duplex)
61	MMS20A	157.0000		NO	151.4	High	Width	Yes	NO	Port Operations (Simplex)
62	MMS21A	157.0500		NO	151.4	High	Width	Yes	NO	US Coast Guard Safety Only / DHS SAR Ground-Marine
63	MMS22A	157.1000		NO	151.4	High	Width	Yes	NO	Coast Guard Liaison and Maritime Safety Info. BCast
64	MMS23A	157.1500		NO	151.4	High	Width	Yes	NO	US Coast Guard Safety Only / DHS SAR
65	MMS24r	157.2000		NO	151.4	High	Width	Yes	NO	Public Correspondence (Marine Operator)
66	MMS25r	157.2500		NO	151.4	High	Width	Yes	NO	Public Correspondence (Marine Operator)
67	MMS26r	157.3000		NO	151.4	High	Width	Yes	NO	Public Correspondence (Marine Operator)
68	MMS27r	157.3500		NO	151.4	High	Width	Yes	NO	Public Correspondence (Marine Operator)
69	MMS28r	157.4000		NO	151.4	High	Width	Yes	NO	Public Correspondence (Marine Operator)
70	MMSRPT1	457.5250		NO	151.4	Low	Narrow	Yes	NO	Marine Shipboard Repeater 1
71	MMSRPT2	457.5500		NO	151.4	Low	Narrow	Yes	NO	Marine Shipboard Repeater 2
72	MMSRPT3	457.5750		NO	151.4	Low	Narrow	Yes	NO	Marine Shipboard Repeater 3
73	MMSRPT4	457.6000		NO	151.4	Low	Narrow	Yes	NO	Marine Shipboard Repeater 4
74	USCGT2	142.8250		NO	151.4	Low	Narrow	Yes	NO	USCG Auxiliary Tactical 2
75	USCGY3	143.4750		NO	151.4	Low	Narrow	Yes	NO	USCG Auxiliary Nationwide Simplex 'Yankee 3'
76	CGSAR1	138.4750		NO	151.4	High	Width	Yes	NO	USCG Auxiliary SAR 1
77	CGSAR2	149.2000		NO	151.4	High	Width	Yes	NO	USCG Auxiliary SAR 2
78	USCGAr	150.7000		NO	151.4	Low	Narrow	Yes	NO	USCG Auxiliary Repeater
79	MMS63A	156.1750		NO	151.4	High	Width	Yes	NO	Port Operations and Commercial
80	MMS65A	156.2750		NO	151.4	High	Width	Yes	NO	Port Operations

Channel	Name	Rx Freq.	Tx Freq.	Rx CTCSS	CTCSS	Tx Power	W/N	Scan	BCL	Comment
81	MMS66A	156.3250		NO	151.4	High	Width	Yes	NO	Port Operations
82	MMS67	156.3750		NO	151.4	High	Width	Yes	NO	Commercial Intership Lower Mississippi River
83	MMS68	156.4250		NO	151.4	High	Width	Yes	NO	Intership Non-Commercial
84	MMS69	156.4750		NO	151.4	High	Width	Yes	NO	Intership Non-Commercial
85	MMS71	156.5750		NO	151.4	High	Width	Yes	NO	Intership Non-Commercial
86	MMS72P	156.6250		NO	151.4	High	Width	Yes	NO	<b>Intership Non-Commercial - Prepper - EM</b>
87	MMS73	156.6750		NO	151.4	High	Width	Yes	NO	Port Operations
88	MMS74	156.7250		NO	151.4	High	Width	Yes	NO	Port Operations
89	MMS77	156.8750		NO	151.4	High	Width	Yes	NO	Port Operations (Intership Only)
90	MMS78A	156.9250		NO	151.4	High	Width	Yes	NO	<b>Non-Commercial</b>
91	MMS79A	156.9750		NO	151.4	High	Width	Yes	NO	Commercial. Non-Commercial in Great Lakes
92	MMS80A	157.0250		NO	151.4	High	Width	Yes	NO	Commercial. Non-Commercial in Great Lakes
93	MMS81A	157.0750		NO	151.4	High	Width	Yes	NO	U.S. Government Only - Environmental Protection / DHS SAR
94	MMS82A	157.1250		NO	151.4	High	Width	Yes	NO	U.S. Government Only
95	MMS83A	157.1750		NO	151.4	High	Width	Yes	NO	U.S. Coast Guard Only / DHS SAR Ground-Air
96	MMS88A	157.4250		NO	151.4	High	Width	Yes	NO	Commercial
97	H2S5525	145.5250	145.5250	NO	100.0	High	Width	Yes	NO	2m Ham Simplex
98	H2S5555	145.5550	145.5550	NO	100.0	High	Width	Yes	NO	2m Ham Simplex
99	H2P6420	146.4200	146.4200	NO	100.0	High	Width	Yes	NO	<b>2m Ham Simplex Prepper</b>
100	H2S6430	146.4300	146.4300	NO	100.0	High	Width	Yes	NO	<b>2m Ham Simplex - BSR Neighborhood Safety</b>
101	H2W6550	146.5500	146.5500	NO	151.4	High	Width	Yes	NO	<b>2m Ham Simplex Survival SKYWARN</b>
102	H2T6565	146.5650	146.5650	NO	151.4	High	Width	Yes	NO	<b>2m Ham Simplex &amp; T-Hunts</b>
103	70cmCAL	446.0000	446.0000	NO	100.0	High	Width	Yes	NO	<b>70cm Ham Simplex Call</b>
104	H4S1100	441.1000	441.1000	NO	100.0	High	Width	Yes	NO	<b>70cm Ham Simplex - BSR Neighborhood Safety</b>
105	H4P6030	446.0300	446.0300	NO	100.0	High	Width	Yes	NO	<b>70cm Ham Simplex Prepper</b>
106	ISSFMDx	145.8000	144.4900	NO	NO	High	Width	Yes	NO	<b>International Space Station FM Voice Downlink</b>
107	APRSFM	144.3900		NO	NO	Low	Width	No	NO	<b>APRS - Automatic Packet Reporting System</b>
108	RED5162	151.6250		NO	NO	High	Narrow	Yes	NO	<b>Itinerant - Emergency</b>
109	PRP5195	151.9550		NO	NO	High	Narrow	Yes	NO	Itinerant
110	BRN6450	464.5000		NO	NO	High	Narrow	Yes	NO	Itinerant 35W Max

Channel	Name	Rx Freq.	Tx Freq.	Rx CTCSS	CTCSS	Tx Power	W/N	Scan	BCL	Comment
111	YEL6455	464.5500		NO	NO	High	Narrow	Yes	NO	Itinerant 35W Max
112	JD67762	467.7625		NO	NO	High	Narrow	No	NO	Itinerant
113	KD67812	467.8125		NO	NO	High	Narrow	No	NO	Itinerant
114	SLV6785	467.8500		NO	NO	High	Narrow	Yes	NO	Itinerant
115	GLD6787	467.8750		NO	NO	High	Narrow	Yes	NO	Itinerant
116	RED6790	467.9000		NO	NO	High	Narrow	Yes	NO	Itinerant
117	BLU6792	467.9250		NO	NO	High	Narrow	Yes	NO	Itinerant
118	FEMADRO	138.2250		NO	NO	Low	Width	Yes	NO	<b>FEMA Disaster Relief Operations</b>
119	FIREID	154.2800		NO	NO	Low	Width	Yes	NO	<b>Fire Local Inter-Department Emergency</b>
120	USICE	165.8375		NO	NO	Low	Narrow	Yes	NO	US Immigration & Customs Enforcement
121	VLAW31	155.4750		NO	NO	Low	Narrow	Yes	NO	<b>National Law Enforcement Mutual Aid VHF / NALEMARS</b>
122	FEDLEC	166.4625		NO	NO	Low	Narrow	Yes	NO	US Federal Law Enforcement Common
123	LERNTAC	155.3700		NO	NO	Low	Narrow	Yes	NO	<b>Law Enforcement Intersystem TAC</b>
124	USNGEM	163.4875		NO	NO	Low	Width	Yes	NO	<b>US National Guard Emergencies</b>
125	USMNDP	163.5125		NO	NO	Low	Width	Yes	NO	<b>US Military National Disaster Preparedness</b>
126	SAREMT	155.1600		NO	127.3	High	Width	Yes	NO	<b>Search &amp; Rescue - EM Only</b>
127	USAR 01	408.8625		NO	NO	High	Width	Yes	NO	<b>Urban Search &amp; Rescue</b>
<b>Programmable Side-Key Assignments</b>										
			(MON) Middle Square Below PTT	<b>SK1 - Short Press</b>				<b>Flashlight (On/Off)</b>		
				<b>SK1 - Long Press</b>				<b>Monitor (Momentary Open Squelch)</b>		
			(CALL) Bottom Square	<b>SK2 - Short Press</b>				<b>FM Radio (On/Off)</b>		
				<b>SK2 - Long Press</b>				<b>Alarm (Site – No Tx)</b>		

Channel	Name	Rx Freq.	Tx Freq.	Rx CTCSS	CTCSS	Tx Power	W/N	Scan	BCL	Comment	
<b>Keypad Shortcuts</b>											
					* - Short Press					<b>Repeater Reverse</b> (Toggle)	
					* - Long Press					<b>Scan</b> (Toggle)	
					# - Short Press					<b>Tx Power</b> (Toggle)	
					# - Long Press					<b>Keypad Lock</b>	
<b>Service Codes</b>											
			<b>GMFRS</b>	<b>GMRS/FRS</b> - Shared Frequencies, Personal or Business Use (depending on radio)							
			<b>FRS</b>	<b>Family Radio Service</b> - License-Free, Personal & Business Use							
			<b>GMRS</b>	<b>General Mobile Radio Service</b> - Licensed (no test), Personal Use							
			<b>MURS</b>	<b>Multi-Use Radio Service</b> - License-Free, Personal & Business Use							
			<b>WX</b>	<b>US NOAA NWS</b> - National Weather Service "All Hazards Radio" & Weather "WX" Broadcasts							
			<b>MMS</b>	<b>Maritime Mobile Service</b> - License-Free & Licensed, Personal & Commercial Use (Boats & Ships)							
			<b>USCG</b>	<b>US Coast Guard</b> - US GOV Marine Operations							
			<b>H2 / H4</b>	<b>Amateur "Ham" Radio</b> - 2 meter (144MHz VHF) Band & 70 centimeter "440" (440MHz UHF) Band - Mostly Simplex							
			<b>ISS</b>	<b>ARISS - Amateur Radio International Space Station</b> - Ham Operations							
			<b>APRS</b>	<b>Automatic Position Reporting System</b> - Real-Time Amateur Radio GPS Location (digital packet)							
			<b>VB / UB</b>	<b>"LMR" Private Land Mobile Radio Service</b> - Licensed Commercial/Business Band (V=VHF, U-UHF, B8=800MHz, B9=900MHz)							
			<b>FEMA</b>	<b>Federal Emergency Management Agency</b>							
			<b>FIREID</b>	<b>Fire Local Inter-Department Emergency</b>							
			<b>ICE</b>	<b>US DHS Immigration &amp; Customs Enforcement</b> - Transnational Crime							
			<b>LAW</b>	<b>Law Enforcement</b> - National Intersystem/Shared/Mutual Aid (V=VHF, U=UHF)							
			<b>FED LEC</b>	<b>Federal Law Enforcement Common</b>							
			<b>LE</b>	<b>Law Enforcement</b> - Federal Interoperability (V=VHF, U=UHF)							
			<b>USNG</b>	<b>US National Guard</b> - US GOV Emergencies							

Channel	Name	Rx Freq.	Tx Freq.	Rx CTCSS	CTCSS	Tx Power	W/N	Scan	BCL	Comment
			<b>USM NDP</b>	<b>US Military - US Military, National Disaster Preparedness</b>						
			<b>SAR EMT</b>	<b>Search &amp; Rescue / Emergency Medical Technicians</b>						
			<b>USAR</b>	<b>Urban Search &amp; Rescue</b>						