



DE C

COMPACT DMR REPEATER HR65X

EMPOWER YOUR OPERATION

Flexible Deployment Analog-digital Compatibility
Easy Networking Convenient Management
Power Backup

www.hytera.com

Hytera HR65X is the new generation compact DMR repeater designed to expand the communication range of your radios. With high performance and high reliability, the HR65X ensures consistent, reliable, seamless voice and data communications your team need most. It is a top pick for hotels, office buildings, supermarkets, industrial parks, and more.

Compact and lightweight, the HR65X can be flexibly mounted to the wall or carried on the back by tailored accessories, uncompromising with on-site installation conditions. The rugged structure makes the HR65X stand up to harsh environments. HR65X allows the communication connection anywhere you need.

Two versions are supported:

- 1, High power 25 W version with an attached fan
- 2, Low power 10 W without fan.









Ultra-lightweight Design

The HR65X weighs only about 2 kg. It is equipped with a dedicated antenna and a light backpack. When you work outside, the lightweight design makes the HR65X effortless to carry on the back. It can be turned on and used with one key operation after arriving at the site. The ultra-light and compact design can also be used with drones to achieve a wider range of signal coverage. It is an ideal solution for you to use in mobile search and rescue scenarios.



High Reliability

The HR65X is built to outperform in harsh environments. It conforms to MIL-STD-810H standards for ruggedness and is IP67 rated for dust and water intrusion. An exceptionally robust design ensures HR65X performance is stable and excellent.



Long Battery Life

It can be equipped with a 12.5Ah large-capacity battery for use in outdoor scenarios, which can provide up to 9 hours of power supply under the RF power output of 10 W. Even if it is used at 50% duty



SPECIFICATIONS

General			
Frequency Range	11HE-400 4	70MHz; VHF:136	174MHz
Channel Capacity		/UNITZ; VTF:130)-174WITZ
. ,	1024	0111 / 25111	
Channel Spacing	12.5kHz/ 20kHz/ 25kHz DC: 14.4V±15%		
Operating Voltage			
Current	Standby: ≤0.35A		
Consumption(DC)	Transmitting: 10W≤3A; 25W≤6A		
Battery	12.5Ah		
Battery Weight	About 1.3kg		
Battery Life	High power 25 W version: 4hrs		
(50-50 Duty Cycle)	Low power 10 W version: 9hrs		
Frequency Stability	≤±0.5ppi	n	
Antenna Impedance	50Ω		
Duty Cycle	100%		
	High powe	r 25W verison: 201	mm x 211mm x 80.6mm(with Fa
Dimensions (H x W x D)			mm x 211mm x 65.8mm
		r 25W Version: 2.0	
Weight(without battery)	Low power 10W Version: 1.9kg		
Materialia	Single-site repeater Mode, IP Multi-site Mode		
Networking	Single-site	repeater Mode, IP	Multi-site Mode
Receiver			
	Analog	0.18μV(12dB S	INAD)
Sensitivity	Allalog	0.16μV(typical)(12dB SINAD)
*	Digital	0.18μV/BER5%	
Adiacont	-	· ·	
Adjacent	TIA-603	65dB@12.5kHz/75dB@20/25kHz	
Channel Selectivity	ETSI	60dB@12.5kHz/70dB@20/25kHz	
Inter-modulation	TIA-603	75dB@12.5/20/25kHz	
mer modulation	ETSI	70dB@12.5/20/25kHz	
Spurious Response	TIA-603	80dB@12.5/20/25kHz	
Rejection	ETSI	80dB@12.5/20/25kHz	
Blocking	90dB		
-		5kHz; 43dB @ 20kHz;45dB @ 25kHz	
DUM and NOISE	400B @ 12.	5kHz: 43dB @ 20kH	1Z:45GB @ 25KHZ
Hum and Noise		5kHz; 43dB @ 20kH	12;450B @ 25KHZ
Rated Audio Distortion	≤3%	5kHz; 43dB @ 20kH	IZ;45GB @ 25KHZ
Rated Audio Distortion Audio Response	≤3% +1~-3dB		
Rated Audio Distortion Audio Response Conducted	≤3% +1~-3dB Operating	≤1GHz	≤-57dBm
Rated Audio Distortion Audio Response Conducted Spurious Emission	≤3% +1~-3dB		
Rated Audio Distortion Audio Response Conducted	≤3% +1~-3dB Operating Standby	≤1GHz >1GHz	≤-57dBm ≤-47dBm
Rated Audio Distortion Audio Response Conducted Spurious Emission	≤3% +1~-3dB Operating Standby	≤1GHz >1GHz er 25W version	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter	≤3% +1~-3dB Operating Standby High powe	≤1GHz >1GHz er 25W version r 10W version	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power	±3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@	≤1GHz >1GHz er 25W version r 10W version 12.5kHz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter	≤3% +1~-3dB Operating Standby High power Low power 11K0F3E@ 14K0F3E@	≤1GHz >1GHz er 25W version r 10W version 12.5kHz 20KHz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power	±3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@	≤1GHz >1GHz er 25W version r 10W version 12.5kHz 20KHz	≤-57dBm
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation	<3% +1~-3dB Operating Standby High power Low power 11K0F3E@ 14K0F3E@ 16K0F3E@	≤1GHz >1GHz er 25W version r 10W version 12.5kHz 20KHz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable 1-10W (Continuous adjustable
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@ 16K0F3E@ 12.5kHz(o	≤1GHz >1GHz er 25W version 110W version 12.5kHz 20KHz 25kHz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable 1-10W (Continuous adjustable
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@ 14K0F3E@ 16K0F3E@ 12.5kHz(o	≤1GHz >1GHz er 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F2 oth data and void	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable 1-10W (Continuous adjustable XD ze):7K60FXW
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation	<3% +1~~3dB Operating Standby High power Low power 11K0F3E@ 14K0F3E@ 16K0F3E@ 12.5kHz(o Operating	≤1GHz >1GHz er 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F3	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl XD :e):7K60FXW 0dBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@ 14K0F3E@ 16K0F3E@ 12.5kHz(o 12.5kHz(b Operating Standby: -	≤1GHz >1GHz er 25W version r 10W version 12.5kHz 20KHz 205kHz inly data): 7K60F; oth data and void :-36dBm≤1GHz,-37	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl XD :e):7K60FXW 0dBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission	= 3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(b Operating Standby: -: ±2.5kHz@:	≤1GHz >1GHz rt 25W version rt 10W version 12.5kHz 20KHz 205kHz inly data): 7K60F; oth data and voic -36dBm≤1GHz,-47c 12.5kHz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl XD :e):7K60FXW 0dBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@ 14K0F3E@ 16K0F3E@ 12.5kHz(b Operating Standby: ±2.5kHz@ ±4.0KHz@	≤1GHz >1GHz >1GHz er 25W version 110W version 12.5kHz 20KHz 25kHz inly data): 7K60F2 oth data and voich 357dBm≤1GHz,-476 12.5kHz 20KHz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl XD :e):7K60FXW 0dBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting	±3% +1~3dB Operating Standby High powe Low powe 11K0F3E@ 14K0F3E@ 16K0F3E@ 12.5kHz(b Operating Standby: ±2.5kHz@ ±4.0KHz@ ±5kHz@2	≈1GHz >1GHz >1GHz er 25W version 110W version 12.5kHz 20KHz 25kHz Inly data): 7K60F; oth data and voic -36dBm≤1GHz,-37dBm≤1GHz,-47c 12.5kHz 20KHz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl KD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise	±3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@ 14K0F3E@ 16K0F3E@ 12.5kHz(b Operating Standby: ±2.5kHz@ ±4.0KHz@ ±5kHz@2! 40dB @ 12	≈1GHz >1GHz r 25W version r 10W version 12.5kHz 20KHz 25kHz coth data and voor 57dBm≤1GHz,-47c 12.5kHz 20KHz 20KHz 367dBm≤1GHz,-47c 12.5kHz 20KHz 5kHz .5kHz, 43dB @ 20k	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl XD :e):7K60FXW 0dBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel	±3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 16K0F3E@: 12.5kHz(0 12.5kHz(b Operating Standby: ±2.5kHz@± ±4.0KHz@± ±4.0KHz@± 40dB @ 12.5	≈1GHz >1GHz >r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F3 oth data and voic :-36dBm≤1GHz,-47c 12.5kHz 20KHz 20KHz 5kHz 43dB @ 20k 5/20kHz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl KD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise	±3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@ 14K0F3E@ 16K0F3E@ 12.5kHz(b Operating Standby: ±2.5kHz@ ±4.0KHz@ ±5kHz@2! 40dB @ 12	≈1GHz >1GHz >r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F3 oth data and voic :-36dBm≤1GHz,-47c 12.5kHz 20KHz 20KHz 5kHz 43dB @ 20k 5/20kHz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl KD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel	±3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 16K0F3E@: 12.5kHz(0 12.5kHz(b Operating Standby: ±2.5kHz@± ±4.0KHz@± ±4.0KHz@± 40dB @ 12.5	≈1GHz >1GHz >r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F3 oth data and voic :-36dBm≤1GHz,-47c 12.5kHz 20KHz 20KHz 5kHz 43dB @ 20k 5/20kHz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable 1-10W (Continuous adjustable XD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power	±2.5kHz(b ±2.5kHz(b ±2.5kHz(b ±2.5kHz(b ±2.5kHz(b ±2.5kHz(b ±2.5kHz(b ±3.5kHz(b ±4.0kHz(b ±4.0kHz(b ±5.5kHz(b ±4.0kHz(b ±4.0kHz(b ±4.0kHz(b ±4.0kHz(b ±5.0kHz(b ±4.0kHz(b ±3.5kHz(b ±4.0kHz(b ±4.0kHz(b ±4.0kHz(b ±5.0kHz(b ±4.0kHz(b ±5.0kHz(b ±4.0kHz(b ±5.0kHz(b ±4.0kHz(b ±5.0kHz(b	≈1GHz >1GHz >r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F3 oth data and voic :-36dBm≤1GHz,-47c 12.5kHz 20KHz 20KHz 5kHz 43dB @ 20k 5/20kHz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl KD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion	±2.5kHz(e ±4.0kHz(e ±4.0kHz(e ±5kHz(e) ±70dB@12.5	≈1GHz >1GHz >1GHz er 25W version r 10W version 12.5kHz 20KHz 25kHz nly data) : 7K60F) oth data and void : 36dBm≤1GHz,-47d 12.5kHz 20KHz iskHz .5kHz; 43dB @ 20kHz Hz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable 1-10W (Continuous adjustable XD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(o 12.5kHz(b Operating Standby: -: ±2.5kHz@: ±4.0KHz@ ±5kHz@2! 40dB @ 12.570dB@25k +1~-3dB ≤3% AMBE+2™	≈1GHz >1GHz >1GHz er 25W version r 10W version 12.5kHz 20KHz 25kHz nly data) : 7K60F) oth data and void : 36dBm≤1GHz,-47d 12.5kHz 20KHz iskHz .5kHz; 43dB @ 20kHz Hz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl KD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performance	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@ 14K0F3E@ 16K0F3E@ 12.5kHz(0 12.5kHz(D Operating Standby: -: ±2.5kHz@ ±4.0KHz@ 40dB@ 12.5 70dB@ 25k +1~-3dB ≤3% AMBE+2™	≈ 1GHz >1GHz er 25W version r 10W version 12.5kHz 20KHz 25kHz nly data) : 7K60F) oth data and void : -36dBm≤1GHz,-47d 12.5kHz 20KHz 5kHz .5kHz, 43dB @ 20k	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl KD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performance Operating Temperature	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@ 14K0F3E@ 16K0F3E@ 12.5kHz(b Operating Standby: ±2.5kHz@ ±4.0KHz@ ±4.0KHz@ ±5kHz@2! 40dB@12.5 70dB@25k +1~-3dB ≤3% AMBE+2™	≈ 1GHz >1GHz r 25W version r 10W version 12.5kHz 20KHz 25kHz lly data): 7K60F2 oth data and vorsion 3.76Bm≤1GHz,-476 12.5kHz 20KHz 3kHz 20KHz 43dB @ 20k 6720kHz Hz	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl KD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performanc Operating Temperature Storage Temperature	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(b Operating Standby: -: ±2.5kHz@±4.0KHz@±5kHz@2! 40dB@12.570dB@25k +1~-3dB ≤3% AMBE+2™e -30°C~+66-40°C~+8	≈1GHz >1GHz >1GHz r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F2 oth data and voic -36d8m≤1GHz,-47c 12.5kHz 20KHz 20KHz 5kHz 20KHz 47c 20KHz 20	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl KD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performance Operating Temperature	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(0 Operating Standby: -' ±2.5kHz@± ±4.0KHz@± ±5kHz@2! 40dB@12.5 70dB@25k +1~-3dB ≤3% AMBE+2™30°C~+6f -40°C~+8 Per MIL-STI	SIGHZ >1GHZ >1GHZ >1GHZ PT 25W version PT 10W vers	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl KD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performanc Operating Temperature Storage Temperature	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@ 14K0F3E@ 16K0F3E@ 12.5kHz(0 12.5kHz(b Operating Standby: ±2.5kHz@ ±4.0kHz@ ±5kHz@2! 40dB @ 12.570dB@25k +1~-3dB ≤3% AMBE+2™ Ce -30°C~+66 -40°C~+8 Per MIL-STI	≈ 1GHz >1GHz >1GHz >1GHz r 25W version r 10W version r 1	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable 1-10W (Continuous adjustable XD :e):7K60FXW 0dBm>1GHz JBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performance Operating Temperature Storage Temperature Humidity	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(b Operating Standby:-: ±2.5kHz(e 40dB@12.5kHz@2! 40dB@12.570dB@25k +1~-3dB ≤3% AMBE+2™ e -30°C~+66 -40°C~+86 Per MIL-STI	≈ 1GHz >1GHz >1GHz >1GHz r 25W version r 10W version r 20KHz 20KHz 20KHz 20KHz Hz 9°C 5°C D-810H 4-2(Level 4) act); ±15kV (air)	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable) 1-10W (Continuous adjustable) XD xe):7K60FXW 0dBm>1GHz dBm>1GHz dBm>1GHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performance Operating Temperature Storage Temperature Humidity	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(0 12.5kHz(0 Operating Standby: -: ±2.5kHz@: ±4.0KHz@: ±5kHz@:2; 40dB @ 12.570dB@25k +1~-3dB ≤3% AMBE+2™: -30°C~+6(-40°C~+86 Per MIL-STI IEC 61000- ±8kV (cont) 25W: IP54	S1GHz >1GHz >1GHz r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F; oth data and void -36dBm≤1GHz,-47d 12.5kHz 20KHz 5kHz 47dbm≤1GHz,-47d 12.5kHz 20KHz 5kHz -5kHz; 43dB @ 20k -5c°C -5c°C -2-810H 4-2(Level 4) act); ±15kV (air) High power 25 W	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl XD ce):7K60FXW 0dBm>1GHz dBm>1GHz dHz; 45dB @ 25kHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performanc Operating Temperature Storage Temperature Humidity ESD	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(0 12.5kHz(0 Operating Standby: -: ±2.5kHz@: ±4.0KHz@: ±5kHz@:2; 40dB @ 12.570dB@25k +1~-3dB ≤3% AMBE+2™: -30°C~+6(-40°C~+86 Per MIL-STI IEC 61000- ±8kV (cont) 25W: IP54	≈ 1GHz >1GHz >1GHz >1GHz r 25W version r 10W version r 20KHz 20KHz 20KHz 20KHz Hz 9°C 5°C D-810H 4-2(Level 4) act); ±15kV (air)	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl XD ce):7K60FXW 0dBm>1GHz dBm>1GHz dHz; 45dB @ 25kHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performanc Operating Temperature Storage Temperature Humidity ESD	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(0 12.5kHz(0 Operating Standby: -: ±2.5kHz@: ±4.0KHz@: ±5kHz@:2; 40dB @ 12.570dB@25k +1~-3dB ≤3% AMBE+2™: -30°C~+6(-40°C~+86 Per MIL-STI IEC 61000- ±8kV (cont) 25W: IP54	S1GHz >1GHz >1GHz r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F; oth data and void -36dBm≤1GHz,-47d 12.5kHz 20KHz 5kHz 47dbm≤1GHz,-47d 12.5kHz 20KHz 5kHz -5kHz; 43dB @ 20k -5c°C -5c°C -2-810H 4-2(Level 4) act); ±15kV (air) High power 25 W	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl XD ce):7K60FXW 0dBm>1GHz dBm>1GHz dHz; 45dB @ 25kHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performanc Operating Temperature Storage Temperature Humidity ESD Dust and Water Intrusion	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(0 12.5kHz(0 Operating Standby: -: ±2.5kHz@: ±4.0KHz@: ±5kHz@:2; 40dB @ 12.570dB@25k +1~-3dB ≤3% AMBE+2™: -30°C~+6(-40°C~+86 Per MIL-STI IEC 61000- ±8kV (cont) 25W: IP54	S1GHz >1GHz >1GHz >1GHz r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F; oth data and void :-36dBm≤1GHz,-47d 12.5kHz 20KHz iskHz is	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl XD ce):7K60FXW 0dBm>1GHz dBm>1GHz dHz; 45dB @ 25kHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performanc Operating Temperature Storage Temperature Humidity ESD Dust and Water Intrusion Positioning	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(0 12.5kHz(0 Operating Standby: -: ±2.5kHz@: ±4.0KHz@: ±5kHz@:2; 40dB @ 12.570dB@25k +1~-3dB ≤3% AMBE+2™ e-30°C~+6(-40°C~+86 -40°C~+86 -40°C~+86 -40°C~+86 -40°C~+66 -40°C~+86 -40°C~+66 -40°C~+86 -40°C~+66	S1GHz >1GHz >1GHz >1GHz r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F; oth data and void :-36dBm≤1GHz,-47d 12.5kHz 20KHz iskHz is	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl XD ce):7K60FXW 0dBm>1GHz dBm>1GHz dHz; 45dB @ 25kHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performanc Operating Temperature Humidity ESD Dust and Water Intrusion Positioning Positioning Positioning Positioning Positioning System	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(o 12.5kHz(b Operating Standby: ±2.5kHz@: ±4.0KHz@±4.0KHz@±5kHz@2: 40dB@12.570dB@25k +1~-3dB ≤3% AMBE+2™ ce -30°C~+60: -40°C~+8e Per MIL-STI IEC 61000- ±8kV (contile 25W: IP54 10W: IP67 GPS, GPS+ <5m	S1GHz >1GHz >1GHz >1GHz r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F; oth data and void :-36dBm≤1GHz,-47d 12.5kHz 20KHz iskHz is	≤-57dBm ≤-47dBm 1-25W (Continuous adjustabl 1-10W (Continuous adjustabl XD ce):7K60FXW 0dBm>1GHz dBm>1GHz dHz; 45dB @ 25kHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performanc Operating Temperature Humidity ESD Dust and Water Intrusion Positioning Positioning Positioning System Horizontal Position Accuracy	≤3% +1~3dB Operating Standby High powe Low powe 11K0F3E@ 14K0F3E@ 16K0F3E@ 12.5kHz(b Operating Standby: ±2.5kHz(± ±4.0KHz@ ±5kHz@2! 40dB@12.570dB@25k +1~3dB ≤3% AMBE+2™ e -30°C~+60 -40°C~+8 Per MIL-STI IEC 61000- ±8kV (contt 25W: IP54 10W: IP67	S1GHz >1GHz >1GHz >1GHz r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F; oth data and void :-36dBm≤1GHz,-47d 12.5kHz 20KHz iskHz is	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable) 1-10W (Continuous adjustable) XD ce):7K60FXW 0dBm>1GHz dBm>1GHz dHz; 45dB @ 25kHz
Rated Audio Distortion Audio Response Conducted Spurious Emission Transmitter Output Power FM Dodulation 4FSK Digital Modulation Conducted/Radiated Emission Dodulation Limiting FM Hum & Noise Adjacent Channel Power Audio Response Audio Distortion Digital Vocoder Type Environment Performanc Operating Temperature Humidity ESD Dust and Water Intrusion Positioning Positioning Positioning Positioning Positioning Positioning Positioning Position Accuracy	≤3% +1~-3dB Operating Standby High powe Low powe 11K0F3E@: 14K0F3E@: 16K0F3E@: 12.5kHz(o 12.5kHz(b Operating Standby: ±2.5kHz@: ±4.0KHz@±4.0KHz@±5kHz@2: 40dB@12.570dB@25k +1~-3dB ≤3% AMBE+2™ ce -30°C~+60: -40°C~+8e Per MIL-STI IEC 61000- ±8kV (contile 25W: IP54 10W: IP67 GPS, GPS+ <5m	S1GHz >1GHz >1GHz >1GHz r 25W version r 10W version 12.5kHz 20KHz 25kHz nly data): 7K60F; oth data and void :-36dBm≤1GHz,-47d 12.5kHz 20KHz iskHz is	≤-57dBm ≤-47dBm 1-25W (Continuous adjustable) 1-10W (Continuous adjustable) XD ce):7K60FXW 0dBm>1GHz dBm>1GHz dHz; 45dB @ 25kHz

Hytera Communications Corporation Limited Stock Code: 002502 57

Stock Code: 002583.SZ

Address: Hytera Tower, Hi-Tech Industrial Park North, 9108# Beihuan Road, Nanshan District, Shenzhen, P.R.C

Https://www.hytera.com marketing@hytera.com

ACCESSORIES







Battery





• Antenna UHF-M

Wall-mount kit





• Power adapter

Manpack





• Palm

Built-in duplexer





Programming cable

External duplexer cable





Standard Optional

Wall Mount Bracket Kit











 $Hytera\ retains\ right\ to\ change\ the\ product\ design\ and\ specification.\ Should\ any\ printing\ mistake\ occur,$ $Hytera\ doesn't\ bear\ relevant\ responsibility.\ Little\ difference\ between\ real\ product\ and\ product\ indicated\ by\ printing\ materials\ will\ occur\ by\ printing\ reason.$

HYT, Hytera are registered trademarks of Hytera Communications Corp., Ltd. ©2022 Hytera Communications Corp., Ltd. All Rights Reserved.