ZachTek Multiband WSPR Receiver Ser	rial APT a	s used fro	om firmware version 1 N		
PC User config Set or Get commands	Idt Al I d	lo docu ire	Type of data and number of bytes		User config is sent by the PC configuration software
Description	Send	Set/Get	Data [8]	Data	Comment
Command CurrentReference	[CCR]	G	Text 1 E=External, I=Internal	- Little	Not all hardware have a External referens port, in that case they will alsways answer "I"
Command User Config Store in EEPROM	[CSE]	s			Takes the current configuration and saves it in EEPROM. At startup the EEPROM is read and loaded as the current config
Dara VFO in use	[DVF]	S/G	Text 1 A=VFO A, B=VFO B		
Data Current Receive Frequency	[DFR]	S/G	Text 12 Frequency in Centi Hertz. Padded with leading zeros to 12 characters		This is the receive frequency
Data Current Detector used	[DDE]	S/G	Text 3 LSB=Lower Sideband, USB=Upper Sideband		
Data Name	[DNM]	S/G	Text 40		
Data Generator Frequency	[DGF]	S/G	Text 12 Frequency in Centi Hertz. Padded with leading zeros to 12 characters		This is the same as the DFR Command, it is compatible by the Configuration software for the WSPR Transmitters in case one want to use that software to set the receive frequency
Data External Reference Frequency	[DER]	S/G	Text 9 Frequency in Hertz. Padded with leading zeros to 9 characters		Normally 010000000, Note that not all hardware have an external referens port.
PC Factory config Set or Get command	s		Type of data and number of bytes		Factory data is set by the PC Factory configuration software.
Description	Send	Set/Get		Data	Comment
Factory Product model Number	[FPN]	G	Text 5 0-65534		1055=Multiband WSPR Receiver
Factory Hardware Version	[FHV]	S/G	Text 3 0-255		
Factory Hardware Revision	[FHR]	S/G	Text 3 0-255		
Factory Software Version	[FSV]	G	Text 3 0-255		
Factory Software Revision	[FSR]	G	Text 3 0-255		
Factory Reference Oscillator Frequency	[FRF]	S/G	Text 9 Frequency in Hertz. Padded with leading zeros to 9 characters		Normally 026000000
Cmd FactoryConfig Store in EEPROM	[FSE]	S			
	1				
Replies for Get commands			Type of data and number of bytes		Replies from the device in respons to a Get query
Description	Return		Data	Data	
Dat Name	(DNM)		Text 40		
Dat Generator Freq	{DGF}		Text 12 Frequency in Centi Hertz. Padded with leading zeros to 12 characters		
·					
Status update messages			Type of data and number of bytes		These messages are sent whenever the device thinks it's appropriate
Description	Return		Data	Data	
Microcontroller Information	{MIN}		Text		
The configuration has an active configuration in RAM and a saved version in EEPROM. The command [CSE] S will store the RAM version down to EEPROM.					
At boot the data in EEPROM is transferred to RAM. The data is divided in two sections. Factory data and User data					
The factory data can not be changed by configura	tion softwar	e and holds	information about the hardware, e.g what the measured value of the TCXO reference was	s at last calibration etc.	
•	-	-		•	·