READ COMMANDS

COMMAND	DESCRIPTION	FORMAT	EXAMPLE	UNITS
R0001	Get Frequency	uint32_t	20000000	Hz
R0002	Get type of test pattern	enum	Sine, Block	
R0003	Get RTC value	struct		
R0004	Get DDS hardware type	enum		
R0005	Get Wave Amplitude	uint16_t	2200	mVpp
R0006	Get dbm conversion	uint8_t	0	on/off
R0007				
R0008				
R0009				
R0010				
R1000	Sweep frequency start	uint32_t	0	Hz
R1001	Sweep frequency stop	uint32_t	40000000	Hz
R1002	Sweep frequency increment	uint16_t	10	Hz
R1003	Sweep frequency delay	uint32_t	1	ms
R1004	ADC Sample count	uint32_t	4000	times

WRITE COMMANDS

COMMAND	DESCRIPTION	FORMAT	EXAMPLE	UNITS
W0001	Set Frequency	uint32_t	40000000	Hz
W0002	Set Test pattern	enum	Sine, Block	
W0003	Set RTC value	struct		
W0004	Set DDS hardware type	enum		
W0005	Set Wave Amplitude	uint16_t	2200	mVpp
W0006	Set dbm conversion	uint8_t	0	on/off
W0007				
W0008				
W0009				
W0010				
W1000	Sweep frequency start	uint32_t	0	Hz
W1001	Sweep frequency stop	uint32_t	40000000	Hz
W1002	Sweep frequency increment	uint16_t	10	Hz
W1003	Sweep frequency delay	uint32_t	1	ms
W1004	ADC Sample count	uint32_t	4000	times

DATA COMMANDS

COMMAND	DESCRIPTION	FORMAT	EXAMPLE	UNITS
D0001	Get ADC1 value	uint16_t	3500	units
D0002	Get ADC2 value	uint16_t	3500	units
D0003				
D0004				
D0005				
D0006				
D0007				
D0008				
D0009				
D0010				

FUNCTION COMMANDS

COMMAND	DESCRIPTION	RETURN	EXAMPLE
F0001	Sweep Frequency	Datablock	
F0002	Start Live ADC	Datablock	
F0003	Stop Live ADC	Datablock	
F0004			
F0005			
F0006			
F0007			
F0008			
F0009			
F0010			

SPECIAL COMMANDS

COMMAND	DESCRIPTION
S0001	ESCAPE
S0002	REBOOT
S0003	
S0004	
S0005	
S0006	
S0007	
S0008	
S0009	

ENUMS

REF	COMMAND TYPE	ENUM VAL	DESCRIPTION
RW0002	readwrite	1	sine wave
RW0002	readwrite	2	triangle wave
RW0004	readwrite	1	AD9851
RW0004	readwrite	2	AD9850
RW0004	readwrite	3	AD9833
RW0004	readwrite	4	AD9834