

Regarding GACOMP2 protocol V1.32

We are trying to send a message from a PLC to the Transmitter.

In your CheckSum Ex.1 you have:

Capcode content	Message content	Checksum
1000001A11	ABCD	0301
	STX 1 0 0 0 0 0 1 A 1 1	

Checksum 301H (02H+31H+30H+30H+30H+30H+30H+31H+41H+31H+31H+  
A B C D  
41H+42H+43H+44H)

How do you get the Checksum to be 301H , when I add this I get 487H?  
Is 0301H correct and if it is how do you calculate the sum. ?

Please do it as Hexadecimal number calculation. It is not decimal number calculation.

Hexadecimal number calculation is added as 16th carry one calculation. Please follow my calculation as following,

02H + 31H = 33H  
33H + 30H = 63H  
63H + 30H = 93H  
93H + 30H = C3H ( hexadecimal C3H = decimal 195 )  
C3H +30H = F3H  
F3H +30H = 0123H  
0123H + 31H = 0154H  
0154H + 41H = 0195H  
0195H + 31H = 01C6H  
01C6H + 31H = 01F7H  
01F7H + 41H = 0238H  
0238H + 42H = 027AH  
027AH +43H = 02BDH  
02BDH + 44H = 0301H