

LMA TECHNOLOGIES LIGHTNING MAPPING SYSTEM

DATA FORMAT VERSION 12

January 7, 2017

Sample Frequency is 25 MHz

15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
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1	0	version[6..0]						year[6..0]						
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1	pd sgn	gps [15]	id [7]	0 0	0 0	threshold[7..0]								
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1	fifo_status [2..0]		second[5..0]						minute[5..0]					
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1	1	hour[4..0]				day[4..0]				month[3..0]				
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1	0	trig_count[13..0]												
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1	id[6..0]						network_id[7..0]						
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1	phase_diff[14..0]													
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1	gps_info[14..0]													
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1 0 1 0 1 0 1 0 0 1 0 1 0 1 0 1														
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Nine Word
Status Packet

0	above_thresh [3..0]		nano[10..0]											
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1	1	micro[13..0]												
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0	above_threshold[10..4]						max_data[10..3]						
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Three Word
Data Packet

Example

status	data	data	data	data	data	data	data	data	status
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Time for this set of data is in this status word