

MA801 Cloud Upload Data Items and Example JSON format

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Revision History:

Date	Rev:	Description	by
2020,3,10	-	Initial version	Leo

1. Scope: This document describes the output data items and the JSON example format for uploading the data to cloud or other server.

2. Application:

Model: MA800 series

APP version: TBD

3. JSON format example:

A JSON payload example for uploading data onto the Cloud IOT Device

*** The protocol follows the Cloud IOT SDK

```
{
  "User_ID":"000123",
  "User_Name":"David Chang",
  ...
  "FFM":12.3,
  "FM":8.76,
  ...
  "Proteint_Percent" : 2.4,
  "FM_Percent":10.1
}
```

4. Data item description:

Please refer to the following table for all the output data items.

No.	Output Items	Unit	Description	JSON Payload	Data type
				{	
1	Model		Model	"Model",	: "value" , // string
2	Serial_No		Serial No	"Serial_No",	: "value" , // string
3	APP_Verion		APP Verion	"APP_Verion",	: "value" , // string
4	Report_Date		Report Date	"Report_Date",	: "value" , // string
5	Device_Mac		Device Mac	"Device_Mac",	: "value" , // string
6	Device_IP		Device IP	"Device_IP",	: "value" , // string
7	User_ID		User ID	"User_ID",	: "value" , // string
8	User_Name		User Name	"User_Name",	: "value" , // string
9	Report_Date		Report date	"Report_Date",	: "value" , // string
10	Gender		Gender	"Gender",	: value , // float
11	Ethnic		Ethnic	"Ethnic",	: value , // float
12	Weight		Weight	"Weight",	: value , // float
13	Height		Height	"Height",	: value , // float

14	Age	Age	"Age",	: value	, // float
15	IRW5	at 5kHz, Z of Whole body (Right)	"IRW5",	: value	, // float
16	ILW5	at 5kHz, Z of Whole body (Left)	"ILW5",	: value	, // float
17	IRA5	at 5kHz, Z of Right Arm	"IRA5",	: value	, // float
18	IRL5	at 5kHz, Z of Right Leg	"IRL5",	: value	, // float
19	ILA5	at 5kHz, Z of Left Arm	"ILA5",	: value	, // float
20	ILL5	at 5kHz, Z of Left Leg	"ILL5",	: value	, // float
21	PhRW5	at 5kHz, θ of Whole body (Right)	"PhRW5",	: value	, // float
22	PhLW5	at 5kHz, θ of Whole body (Left)	"PhLW5",	: value	, // float
23	PhRA5	at 5kHz, θ of Right Arm	"PhRA5",	: value	, // float
24	PhRL5	at 5kHz, θ of Right Leg	"PhRL5",	: value	, // float
25	PhLA5	at 5kHz, θ of Left Arm	"PhLA5",	: value	, // float
26	PhLL5	at 5kHz, θ of Left Leg	"PhLL5",	: value	, // float
27	IRW20	at 20kHz, Z of Whole body (Right)	"IRW20",	: value	, // float
28	ILW20	at 20kHz, Z of Whole body (Left)	"ILW20",	: value	, // float
29	IRA20	at 20kHz, Z of Right Arm	"IRA20",	: value	, // float
30	IRL20	at 20kHz, Z of Right Leg	"ILA20",	: value	, // float
31	ILA20	at 20kHz, Z of Left Arm	"IRL20",	: value	, // float
32	ILL20	at 20kHz, Z of Left Leg	"ILL20",	: value	, // float
33	PhRW20	at 20kHz, θ of Whole body (Right)	"PhRW20",	: value	, // float
34	PhLW20	at 20kHz, θ of Whole body (Left)	"PhLW20",	: value	, // float
35	PhRA20	at 20kHz, θ of Right Arm	"PhRA20",	: value	, // float
36	PhRL20	at 20kHz, θ of Right Leg	"PhRL20",	: value	, // float
37	PhLA20	at 20kHz, θ of Left Arm	"PhLA20",	: value	, // float
38	PhLL20	at 20kHz, θ of Left Leg	"PhLL20",	: value	, // float
39	IRW50	at 50kHz, Z of Whole body (Right)	"IRW50",	: value	, // float
40	ILW50	at 50kHz, Z of Whole body (Left)	"ILW50",	: value	, // float
41	IRA50	at 50kHz, Z of Right Arm	"IRA50",	: value	, // float
42	IRL50	at 50kHz, Z of Right Leg	"IRL50",	: value	, // float
43	ILA50	at 50kHz, Z of Left Arm	"ILA50",	: value	, // float
44	ILL50	at 50kHz, Z of Left Leg	"ILL50",	: value	, // float
45	PhRW50	at 50kHz, θ of Whole body (Right)	"PhRW50",	: value	, // float
46	PhLW50	at 50kHz, θ of Whole body (Left)	"PhLW50",	: value	, // float
47	PhRA50	at 50kHz, θ of Right Arm	"PhRA50",	: value	, // float
48	PhRL50	at 50kHz, θ of Right Leg	"PhRL50",	: value	, // float
49	PhLA50	at 50kHz, θ of Left Arm	"PhLA50",	: value	, // float
50	PhLL50	at 50kHz, θ of Left Leg	"PhLL50",	: value	, // float
51	IRW100	at 100kHz, Z of Whole body (Right)	"IRW100",	: value	, // float
52	ILW100	at 100kHz, Z of Whole body (Left)	"ILW100",	: value	, // float
53	IRA100	at 100kHz, Z of Right Arm	"IRA100",	: value	, // float
54	IRL100	at 100kHz, Z of Right Leg	"IRL100",	: value	, // float
55	ILA100	at 100kHz, Z of Left Arm	"ILA100",	: value	, // float
56	ILL100	at 100kHz, Z of Left Leg	"ILL100",	: value	, // float
57	PhRW100	at 100kHz, θ of Whole body (Right)	"PhRW100",	: value	, // float
58	PhLW100	at 100kHz, θ of Whole body (Left)	"PhLW100",	: value	, // float
59	PhRA100	at 100kHz, θ of Right Arm	"PhRA100",	: value	, // float
60	PhRL100	at 100kHz, θ of Right Leg	"PhRL100",	: value	, // float
61	PhLA100	at 100kHz, θ of Left Arm	"PhLA100",	: value	, // float
62	PhLL100	at 100kHz, θ of Left Leg	"PhLL100",	: value	, // float
63	IRW250	at 250kHz, Z of Whole body (Right)	"IRW250",	: value	, // float
64	ILW250	at 250kHz, Z of Whole body (Left)	"ILW250",	: value	, // float
65	IRA250	at 250kHz, Z of Right Arm	"IRA250",	: value	, // float
66	IRL250	at 250kHz, Z of Right Leg	"IRL250",	: value	, // float
67	ILA250	at 250kHz, Z of Left Arm	"ILL250",	: value	, // float
68	ILL250	at 250kHz, Z of Left Leg	"ILA250",	: value	, // float
69	PhRW250	at 250kHz, θ of Whole body (Right)	"PhRW250",	: value	, // float
70	PhLW250	at 250kHz, θ of Whole body (Left)	"PhLW250",	: value	, // float
71	PhRA250	at 250kHz, θ of Right Arm	"PhRA250",	: value	, // float

72	PhRL250		at 250kHz, θ of Right Leg	"PhRL250",	: value	,	// float
73	PhLA250		at 250kHz, θ of Left Arm	"PhLA250",	: value	,	// float
74	PhLL250		at 250kHz, θ of Left Leg	"PhLL250",	: value	,	// float
75	FFM	*0.1kg	Free fat mass	"FFM"	: value	,	// float
76	FM	*0.1kg	(BFM) FM Fat Mass	"FM"	: value	,	// float
77	PBF	*0.1%	(BF%) Percentage body fat	"PBF"	: value	,	// float
78	BMC	*0.1kg	Bone Mineral Content	"Mineral"	: value	,	// float
79	LM	*0.1kg	Lean Mass	"LM"	: value	,	// float
80	BCM	*0.1kg	Body Cell Mass	"BCM"	: value	,	// float
81	VFA	*0.1cm ²	Visceral Fat Area	"VFA"	: value	,	// float
82	SAT	*0.1cm ²	Subcutaneous Adipose Tissue	"SAT"	: value	,	// float
83	RALM	*0.1kg	Right Arm Lean Mass	"RALM"	: value	,	// float
84	LALM	*0.1kg	Left Arm Lean Mass	"LALM"	: value	,	// float
85	TLM	*0.1kg	Trunk Lean Mass	"TLM"	: value	,	// float
86	RLLM	*0.1kg	Right Leg Lean Mass	"RLLM"	: value	,	// float
87	LLLM	*0.1kg	Left Leg Lean Mass	"LLLM"	: value	,	// float
88	RAFM	*0.1kg	Right Arm Fat Mass	"RAFM"	: value	,	// float
89	LAFM	*0.1kg	Left Arm Fat Mass	"LAFM"	: value	,	// float
90	TFM	*0.1kg	Trunk Fat Mass	"TFM"	: value	,	// float
91	RLFM	*0.1kg	Right Leg Fat Mass	"RLFM"	: value	,	// float
92	LLFM	*0.1kg	Left Leg Fat Mass	"LLFM"	: value	,	// float
93	SMM	*0.1kg	Skeletal Muscle Mass	"SMM"	: value	,	// float
94	ICW	*0.1L	Intracellular Water Mass	"ICW"	: value	,	// float
95	ECW	*0.1L	Extracellular water mas	"ECW"	: value	,	// float
96	TBW	*0.1L	Total body water	"TBW"	: value	,	// float
97	EI	*0.001	Edema Index	"EI"	: value	,	// float
98	AC	*0.1cm	Abdomen circumference (Waist circumference)	"AC"	: value	,	// float
99	RAC	*0.1cm	Right Arm Circumference	"RAC"	: value	,	// float
100	LAC	*0.1cm	Left Arm Circumference	"LAC"	: value	,	// float
101	AMC	*0.1cm	Arm Muscle Circumference	"AMC"	: value	,	// float
102	WHR	*0.001	Waist-Hip Ratio	"WHR"	: value	,	// float
103	PM	*0.1kg	Protein Mass	"PM"	: value	,	// float
104	RHGF	*1N	Right Hand Grip Force	"RHGF"	: value	,	// float
105	RHGFL	*1N	Right Hand Grip Force Lower / Right Hand Grip Strength Lower Limit	"RHGFL"	: value	,	// float
106	RHGFU	*1N	Right Hand Grip Force Upper / Right Hand Grip Strength Upper Limit	"RHGFU"	: value	,	// float
107	LHGF	*1N	Left hand grip force	"LHGF"	: value	,	// float
108	LHGFL	*1N	Left Hand Grip Force Lower / Left Hand Grip Strength Lower Limit	"LHGFL"	: value	,	// float
109	LHGFU	*1N	Left Hand Grip Force Upper / Left Hand Grip Strength Upper Limit	"LHGFU"	: value	,	// float
110	HS	*0.1	Health Score	"HS"	: value	,	// float
111	TBW_Div_FFM	*0.01%	TBW/FFM	"TBW_Div_FFM"	: value	,	// float
112	FFM_Index	*0.1kg/m ²	Fat-free Mass Index	"FFM_Index"	: value	,	// float
113	FM_Index	*0.1kg/m ²	Fat Mass Index	"FM_Index"	: value	,	// float
114	SMM_Index	*0.1kg/m ²	Skeletal muscle index (SKI)	"SMM_Index"	: value	,	// float
115	BMR	*1kcal	Bacal Metabolic Rate	"BMR"	: value	,	// float
116	BIVA_X	*0.1(+/-3)	BIVA R(Z)	"BIVA_X"	: value	,	// float
117	BIVA_Y	*0.1(+/-3)	BIVA Xc(Z)	"BIVA_Y"	: value	,	// float
118	BMI	*0.1kg/m ²	Body Mass Index	"BMI"	: value	,	// float
119	BMITRL	*0.1	BMI total range lower limit	"BMITRL"	: value	,	// float
120	BMINRL	*0.1	BMI normal range lower limit	"BMINRL"	: value	,	// float
121	BMINRU	*0.1	BMI normal range upper limit	"BMINRU"	: value	,	// float
122	BMIOU	*0.1	BMI normal range obese upper limit	"BMIOU"	: value	,	// float
123	BMITRU	*0.1	BMI total range upper limit	"BMITRU"	: value	,	// float
124	WTRL	*1%	weight total range lower limit%	"WTRL_Percent"	: value	,	// float

125	WNRL	*1%	weight normal range lower limit%	"WNRL_Percent"	:	value	,	//	float
126	WNRU	*1%	weight normal range upper limit%	"WNRU_Percent"	:	value	,	//	float
127	WTRU	*1%	weight total range upper limit%	"WTRU_Percent"	:	value	,	//	float
128	PBFTRL	*0.1%	BF% total range lower limit	"PBFTRL"	:	value	,	//	float
129	PBFNRL	*0.1%	BF% normal range lower limit	"PBFNRL"	:	value	,	//	float
130	PBFNRU	*0.1%	BF% normal range upper limit	"PBFNRU"	:	value	,	//	float
131	PBFTRU	*0.1%	BF% total range upper limit	"PBFTRU"	:	value	,	//	float
132	FMTRL	*1%	FM total range lower limit%	"FMTRL_Percent"	:	value	,	//	float
133	FMNRL	*1%	FM normal range lower limit%	"FMNRL_Percent"	:	value	,	//	float
134	FMNRU	*1%	FM normal range upper limit%	"FMNRU_Percent"	:	value	,	//	float
135	FMTRU	*1%	FM total range upper limit%	"FMTRU_Percent"	:	value	,	//	float
136	WHRTRL	*0.01	WHR total range lower limit	"WHRTRL"	:	value	,	//	float
137	WHRNRL	*0.01	WHR normal range lower limit	"WHRNRL"	:	value	,	//	float
138	WHRNRU	*0.01	WHR normal range upper limit	"WHRNRU"	:	value	,	//	float
139	WHRTRU	*0.01	WHR total range upper limit	"WHRTRU"	:	value	,	//	float
140	SMMTRL	*1%	SMM total range lower limit%	"SMMTRL_Percent"	:	value	,	//	float
141	SMMNRL	*1%	SMM normal range lower limit%	"SMMNRL_Percent"	:	value	,	//	float
142	SMMNRU	*1%	SMM normal range upper limit%	"SMMNRU_Percent"	:	value	,	//	float
143	SMMTRU	*1%	SMM total range upper limit%	"SMMTRU_Percent"	:	value	,	//	float
144	WLMNRL	*0.1kg	(WLeanNRL) Whole body Lean Mass Normal Range Lower limit	"WLMNRL"	:	value	,	//	float
145	WLMNRU	*0.1kg	(WLeanNRU) Whole body Lean Mass Normal Range Upper limit	"WLMNRU"	:	value	,	//	float
146	RALMNRL	*0.1kg	(RLeanNRL) Right Arm Lean Mass Normal Range Lower limit	"RALMNRL"	:	value	,	//	float
147	RALMNRU	*0.1kg	(RLeanNRU) Right Arm Lean Mass Normal Range Upper limit	"RALMNRU"	:	value	,	//	float
148	LALMNRL	*0.1kg	(LLeanNRL) Left Arm Lean Mass Normal Range Lower limit	"LALMNRL"	:	value	,	//	float
149	LALMNRU	*0.1kg	(LLeanNRU) Left Arm Lean Mass Normal Range Upper limit	"LALMNRU"	:	value	,	//	float
150	TLMNRL	*0.1kg	(TLeanNRL) Trunk Lean Mass Normal Range Lower limit	"TLMNRL"	:	value	,	//	float
151	TLMNRU	*0.1kg	(TLeanNRU) Trunk Lean Mass Normal Range Upper limit	"TLMNRU"	:	value	,	//	float
152	RLLMNRL	*0.1kg	(RLeanNRL) Right Leg Lean Mass Normal Range Lower limit	"RLLMNRL"	:	value	,	//	float
153	RLLMNRU	*0.1kg	(RLeanNRU) Right Leg Lean Mass Normal Range Upper limit	"RLLMNRU"	:	value	,	//	float
154	LLLMNRL	*0.1kg	(LLeanNRL) Left Leg Lean Mass Normal Range Lower limit	"LLLMNRL"	:	value	,	//	float
155	LLLMNRU	*0.1kg	(LLeanNRU) Left Leg Lean Mass Normal Range Upper limit	"LLLMNRU"	:	value	,	//	float
156	LM_Sco	*0.1	Lean_Score of Whole Body	"LM_Sco"	:	value	,	//	float
157	RALM_Sco	*0.1	(RLean_Score) Right Arm Lean index Score	"RALM_Sco"	:	value	,	//	float
158	LALM_Sco	*0.1	(LLean_Score) Left Arm Lean index Score	"LALM_Sco"	:	value	,	//	float
159	TLM_Sco	*0.1	(TLean_Score) Trunk Lean index Score	"TLM_Sco"	:	value	,	//	float
160	RLLM_Sco	*0.1	(RLean_Score) Right Leg Lean index Score	"RLLM_Sco"	:	value	,	//	float
161	LLLM_Sco	*0.1	(LLean_Score) Left Leg Lean index Score	"LLLM_Sco"	:	value	,	//	float
162	FMNL	*0.1kg	Fat Mass Normal Range Lower Limit	"FMNL"	:	value	,	//	float
163	FMNU	*0.1kg	Fat Mass Normal Range Upper Limit	"FMNU"	:	value	,	//	float
164	RAFMNRL	*0.1kg	Right Arm Fat Mass Normal Range Lower limit	"RAFMNRL"	:	value	,	//	float

165	RAFMNRU	*0.1kg	Right Arm Fat Mass Normal Range Upper limit	"RAFMNRU"	:	value	,	//	float
166	LAFMNRL	*0.1kg	Left Arm Fat Mass Normal Range Lower limit	"LAFMNRL"	:	value	,	//	float
167	LAFMNRU	*0.1kg	Left Arm Fat Mass Normal Range Upper limit	"LAFMNRU"	:	value	,	//	float
168	TFMNRL	*0.1kg	Trunk Fat Mass Normal Range Lower limit	"TFMNRL"	:	value	,	//	float
169	TFMNRU	*0.1kg	Trunk Fat Mass Normal Range Upper limit	"TFMNRU"	:	value	,	//	float
170	RLFMNRL	*0.1kg	Right Leg Fat Mass Normal Range Lower limit	"RLFMNRL"	:	value	,	//	float
171	RLFMNRU	*0.1kg	Right Leg Fat Mass Normal Range Upper limit	"RLFMNRU"	:	value	,	//	float
172	LLFMNRL	*0.1kg	Left Leg Fat Mass Normal Range Lower limit	"LLFMNRL"	:	value	,	//	float
173	LLFMNRU	*0.1kg	Left Leg Fat Mass Normal Range Upper limit	"LLFMNRU"	:	value	,	//	float
174	MineralL	*0.1kg	Mineral normal range lower limit	"Mineral_NL"	:	value	,	//	float
175	MineralU	*0.1kg	Mineral normal range upper limit	"Mineral_NU"	:	value	,	//	float
176	ProteinL	*0.1kg	Protein normal range lower limit	"Proteint_NL"	:	value	,	//	float
177	ProteinU	*0.1kg	Protein normal range upper limit	"Proteint_NU"	:	value	,	//	float
178	ECWL	*0.1kg	ECW normal range lower limit	"ECW_NL"	:	value	,	//	float
179	ECWU	*0.1kg	ECW normal range upper limit	"ECW_NU"	:	value	,	//	float
180	ICWL	*0.1kg	ICW Range Lower	"ICW_NL"	:	value	,	//	float
181	ICWU	*0.1kg	ICW Range Upper	"ICW_NU"	:	value	,	//	float
182	ECWP	*0.1%	ECW%	"ECW_Percent"	:	value	,	//	float
183	ICWP	*0.1%	ICW%	"ICW_Percent"	:	value	,	//	float
184	BMCP	*0.1%	BMC%	"Mineral_Percent"	:	value	,	//	float
185	PMP	*0.1%	Protein% (PM%)	"Proteint_Percent"	:	value	,	//	float
				"FM_Percent"	:	value	,	//	float
				}					