

Montpellier, October 7th, 2024

Subject: RADIO Certification of VO8364AA+

Applicant: **VOGO**

Product (PMN): **VO8364AA+**

Model (HVIN): **VO8364AA+**

Host (HMN):

- **VOK-ELITE PLUS-US/CAN/AUS/NZ (HMN : VO8364AA)**
- **VOK-ELITE PLUS-VARSITY II (HMN : VO8364VA)**
- **VOK-ELITE PLUS-US/CAN/AUS/NZ-WIRELESS INTERFACE (HMN: VO8161CA)**
- **VOK-ELITE PLUS -US/CAN/AUS/NZ-SMART GATEWAY-4M (HMN: VO8346BA)**

FCC ID: **2AU6N-VO8364AA**

IC ID: **25704-VO8364AA**

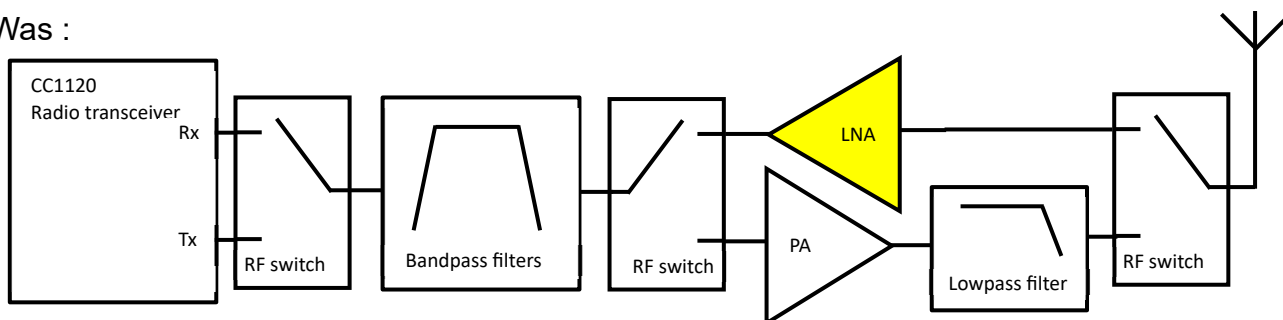
To Whom It May Concern:

This document describes the changes made to the product:

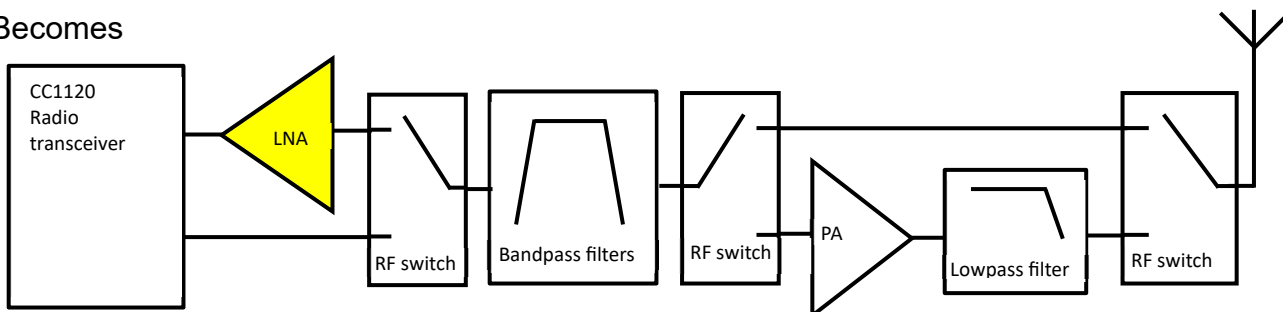
[Hardware modifications of radio module VO8364A becoming VO8364AA+](#):

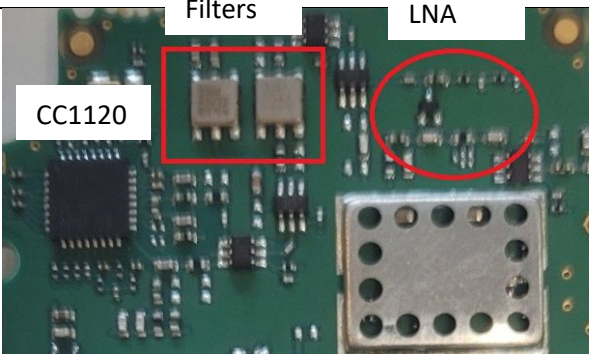
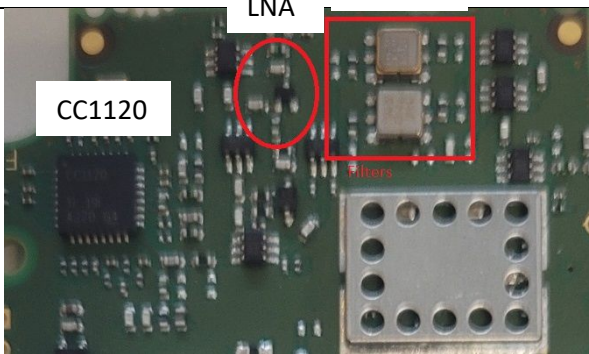
To improve resistance to interference (Better Blocking), RF filtering has been placed before the LNA in the receive chain. **No changes have been made to the transmission chain.** The schemes below show the changes:

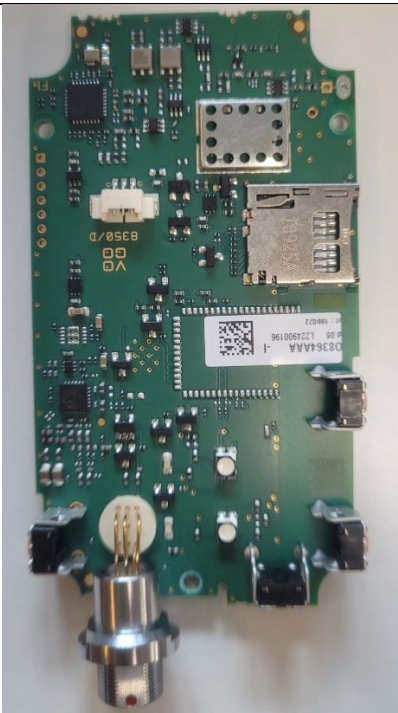
Was :



Becomes



Was	Becomes
 RF part	 RF Part : inversion of the LAN and the filters

Was	Becomes
 Current : VO8364A FCC ID : 2AU6N-VO8364AA and IC ID 25704-VO8364AA	 New : VO8364AA+

Software modifications of radio module VO8364A becoming VO8364AA+:
Addition of new DTS channels

FHSS Mode: 2 Hopping tables are available in the 915-928MHz band- No change between VO8364A and VO8364AA+.

DTS mode: Addition of new channels to cover the all 902-928MHz band:

N°	Frequency (in MHz)	N°	Frequency (in MHz)	N°	Frequency (in MHz)	N°	Frequency (in MHz)	N°	Frequency (in MHz)
1	902,4	27	907,6	53	912,8	79	918	105	923,2
2	902,6	28	907,8	54	913	80	918,2	106	923,4
3	902,8	29	908	55	913,2	81	918,4	107	923,6
4	903	30	908,2	56	913,4	82	918,6	108	923,8
5	903,2	31	908,4	57	913,6	83	918,8	109	924
6	903,4	32	908,6	58	913,8	84	919	110	924,2
7	903,6	33	908,8	59	914	85	919,2	111	924,4
8	903,8	34	909	60	914,2	86	919,4	112	924,6
9	904	35	909,2	61	914,4	87	919,6	113	924,8
10	904,2	36	909,4	62	914,6	88	919,8	114	925
11	904,4	37	909,6	63	914,8	89	920	115	925,2
12	904,6	38	909,8	64	915	90	920,2	116	925,4
13	904,8	39	910	65	915,2	91	920,4	117	925,6
14	905	40	910,2	66	915,4	92	920,6	118	925,8
15	905,2	41	910,4	67	915,6	93	920,8	119	926
16	905,4	42	910,6	68	915,8	94	921	120	926,2
17	905,6	43	910,8	69	916	95	921,2	121	926,4
18	905,8	44	911	70	916,2	96	921,4	122	926,6
19	906	45	911,2	71	916,4	97	921,6	123	926,8
20	906,2	46	911,4	72	916,6	98	921,8	124	927
21	906,4	47	911,6	73	916,8	99	922	125	927,2
22	906,6	48	911,8	74	917	100	922,2	126	927,4
23	906,8	49	912	75	917,2	101	922,4	127	927,6
24	907	50	912,2	76	917,4	102	922,6		
25	907,2	51	912,4	77	917,6	103	922,8		
26	907,4	52	912,6	78	917,8	104	923		

In bold, the channels already present in VO8364A.

Host products

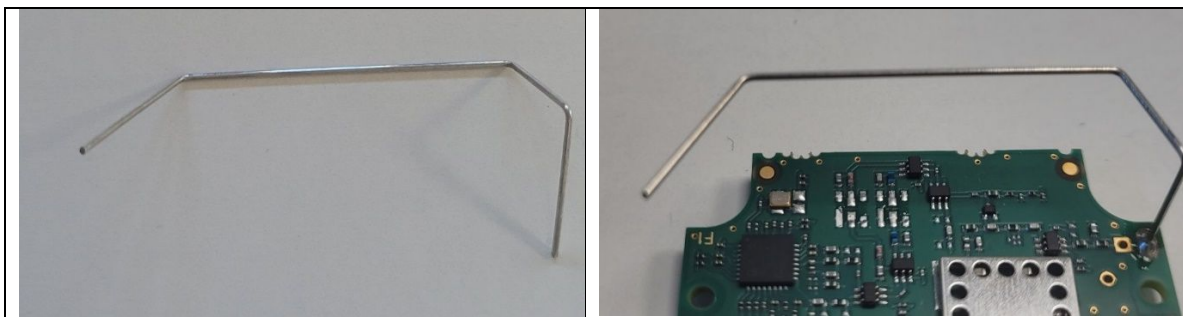
The table below shows the evolution of the host equipment. In black, the product integrated radio module VO8364A. In blue, the products integrated the new radio module VO8364AA+:

VO8364A		VO8364AA+		
HVIN	Photo	HNM	HVIN	Photo
VO8364AA		VOK-ELITE PLUS-US/CAN/AUS/NZ	VO8364AA	 New casing for the VO8364AA
		VOK-ELITE PLUS-VARSITYII	VO8364VA	 VO8364VA is the same than VO8364AA with a different casing
		VOK-ELITE PLUS-US/CAN/AUS/NZ-WIRELESS INTERFACE	VO8161CA	 New equipment integrated the radio module VO8364AA+ using the same antenna than VO8346BA
VO8346B		VOK-ELITE PLUS-US/CAN/AUS/NZ-SMART GATEWAY-4M	VO8346BA	

Antennas

No change to the antennas used by the host products

VO8364AA (and VO8364VA) still use the same wired antenna integrated into the product:



VO8346BA (and VO8161CA) still uses the same external GERBOLE TNC antenna:



Additional tests and reports demonstrated compliance of new VO8364AA+ in the different host products with FCC and IC regulations have been provided.

If you have any queries, please do not hesitate to contact us.

Regards,
October 7th, 2024

Pascal Saguin

Senior Vice President

