



American Certification Body Inc.
6731 Whittier Ave, Suite C110
McLean, VA22101

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FCC ID: RTD-G6RH
IC: 4943A-G6RH

Family Certification

Our client applies for family certification including the models:

- G6R-H3SN
- G6R-H3SNFB
- G6R-H3TV4
- G6R-H3TV4FB

Description of the model variants:

		Frequency	Handset	Design Handset	Customer Logo/Housing	
G6R-H	3	US (transmitter with antenna matching for 315 MHz)	Sx S: Standard transmitter without display. Low cost transmitter with simple control functions x: Software variant	Rubber switch	-z	z: customer logo
	4	EU (transmitter with antenna matching for 433.92 MHz)		Fy F: Foil y: Color	DN	DRU Custom housing (plastic housing with metal cover)
			D/Tx D/T: Transmitter with display. Transmitter with advanced features. x: Software variant			

Hardware differences of the G6R-H transmitter

		H3Sx-z	H3SxFy-z	H4Sx-z	H4SxFy-z	H3D/Tx-z	H3D/TxFy-z	H4D/Tx-z	H4D/TxFy-z	H4Tx-DN
Antenna matching	C40 [pF]	not connected			6.8	not connected		6.8		
	C8 [pF]	8.2		6.8		8.2		6.8		
	C7 [pF]	8.2		1.8		8.2		1.8		
	R2 [Ohm]	470		0		470		0		
Chrystal [MHz]		9.84375		13.56		9.84375		13.56		
Antenna length [mm]		240		170		240		170		
Microcontroller with peripheries		MSP430G2211IPW14				ATMEGA169PA				
Display/Indicator		MY-5MHRD	EL11-21UYC/S53	MY-5MHRD	EL11-21UYC/S53	ADP-105 TBWP				
Housing		Standard	Flat	Standard	Flat	Standard	Flat	Standard	Flat	Custom housing
Battery holder		9V	3x AAA	9V	3x AAA	9V	3x AAA	9V	3x AAA	9V

G6R-H transmitter modifications

- The circuit and the layout of the standard transmitter (H3/4Sx) were implemented in the circuit and layout of the transmitter with display (H3/4D/Tx).
- Implemented new microcontrollers MSP430G2211IPW14 and ATMEGA169PA.
- Discrete modulator and transmitter were replaced by a chip solution.
- Added an optional battery holder (3xAAA).
- Existing reverse polarity protection was replaced by a FET-solution.

If you have any questions, please feel free to contact me at the address shown below.

Yours sincerely,

A handwritten signature in black ink, appearing to read "Thomas Ring", enclosed in a light gray rectangular box.

Thomas Ring
Manager Certification

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