

5 MPE Evaluation

Model RM433V2 – Channel 13 with Highest gain Antenna, 7 dBi YAGI

Corrected (including cal factors) Measurement:	94.94	dB μ V
The Gain of the antenna:	7.00	dB _i
Type of Measurement:	Radiated	Calculated using the Friis Equations
Impedance:	50.00	Ω
Measuring Distance:	3.00	m
Time weighted Duty Cycle:	100.00	%

Frequency range from 10 MHz to 40 GHz:

Frequency:	433	MHz
------------	-----	-----

Power output with DC and antenna Gain (EiRP):

Power (dBm):	-0.29
Power (mW):	0.936
Power (W):	0.000936

R = distance in	20	cm
-----------------	----	----

The test results contained in this report refer exclusively to the product(s) presented for testing. No liability may be assumed for models or products not referred to herein. This test report may not be published or duplicated in part without permission of the testing body. This test report by itself does not constitute authorization for the use of any TÜV Rheinland test mark. The report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of the Federal Government.

5.1.1 FCC Evaluation

FCC:		
Controlled Exposures - Limit =	1.443333333	mW/cm ²
Uncontrolled Exposures - Limit =	0.288666667	mW/cm ²
Pd =	0.0001861	mW/cm ²
Controlled Margin to Limit =	1.4431	mW/cm ²
Uncontrolled Margin to Limit =	0.2885	mW/cm ²

Note: * = Plane-wave equivalent power density

5.1.2 Industry Canada Evaluation RSS-102 Issue 5

IC:		
Controlled Exposures to Limit =	13.4319849	W/m ²
Uncontrolled Exposures Limit =	1.659248092	W/m ²
Pd =	0.001861	W/m ²
Controlled Margin to Limit =	13.4301	W/m ²
Uncontrolled Margin to Limit =	1.6574	W/m ²

Note: Refer to section 4 of RSS-102 for limits and time averaging for frequencies below 10 MHz and above 150 GHz.