RF exposure information according to KDB 447498 D01 guidance

The EUT, VTR-1-00 product, is used as a portable device operating at 916.3 MHz and equipped with external antenna.

Maximum measured transmitter power obtained from test report ARARAD_FCC.33523_rev1:

P_{out} conducted		Maximum antenna gain, dBi	P_{out} EIRP	
dBm	mW		dBm	mW
10.54	11.3	1.8	12.34	17.1

For 100 MHz to 6 GHz and test separation distances ≤ 50 mm, the 1-g and 10-g SAR test exclusion thresholds are determined by the following:

[(max. power including tune-up tolerance, mW) / (min. test separation distance, mm)] x [√f(GHz)]

≤ 3.0 for 1-g whole body SAR and ≤ 7.5 for 10-g extremities SAR

where:

- f(GHz) is the RF channel transmit frequency in GHz;
- Power and distance are rounded to the nearest mW and mm before calculation;
- The result is rounded to one decimal place for comparison;
- The value 3.0 and 7.5 are referred to as numeric threshold.

The EUT is a portable device connected by cable to PC USB port. The minimum separation distance of ≤15 mm should be applied in accordance with section 5.2.3 (c) of KDB 447498 D01 v06.

The 1-g body SAR test exclusion threshold at frequency 916.3 MHz and test separation distance 15 mm was determined as follows:

[17.1 mW/15 mm] x √0.916 = 1.14 x 0.96 = 1.1 < 3.0

According to KDB 447498 D01 v06 the device is excluded from SAR evaluation.