

**Comparison of EU/ETSI and Ministry of Telecom and Mass Communications of the Russia Federation standards for high power UHF RFID**

Parameter	EU/ETSI EN 302-208 v3.2.0		Russia Federation standards for high power UHF RFID													
Operating frequency band	865-868MHz	915-921MHz	866-866.7MHz	916-921MHz												
High power channel frequencies	4-channels with 600kHz spacing; 865.7, 866.3, 866.9, and 867.5MHz	3-channels with 1,200kHz spacing; 916.3, 917.5, and 918.7MHz	No assignment required (assignment) of radio frequencies or radio frequency channels with: a) using the LBT * mode, and b) use within airports	4-channels with 1,200kHz spacing <b>916.2,917.4,918.6,919.8,</b>												
Channel bandwidth	200kHz	400kHz	200	400												
Radiated power limit	2 watts ERP	4 watts ERP	2 watts ERP	4 watts												
Spurious emission limits	<p style="text-align: center;">Table 2: Spurious emission limits in e.r.p.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: center;">State</th> <th style="text-align: center;">47 MHz to 74 MHz 87,5 MHz to 118 MHz 174 MHz to 230 MHz 470 MHz to 862 MHz</th> <th style="text-align: center;">Other frequencies below 1 000 MHz</th> <th style="text-align: center;">Frequencies above 1 000 MHz</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Operating</td> <td style="text-align: center;">4 nW (-54 dBm)</td> <td style="text-align: center;">250 nW (-36 dBm)</td> <td style="text-align: center;">1 µW (-30 dBm)</td> </tr> <tr> <td style="text-align: center;">Standby</td> <td style="text-align: center;">2 nW (-57 dBm)</td> <td style="text-align: center;">2 nW (-57 dBm)</td> <td style="text-align: center;">20 nW (-47 dBm)</td> </tr> </tbody> </table>		State	47 MHz to 74 MHz 87,5 MHz to 118 MHz 174 MHz to 230 MHz 470 MHz to 862 MHz	Other frequencies below 1 000 MHz	Frequencies above 1 000 MHz	Operating	4 nW (-54 dBm)	250 nW (-36 dBm)	1 µW (-30 dBm)	Standby	2 nW (-57 dBm)	2 nW (-57 dBm)	20 nW (-47 dBm)	Same as ETSI EN 302-208	
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