

ANTENNA SPECIFICATION

Summary

ITEM	Z-WAVE ANT SPEC																																												
Antenna plate	PCB antenna																																												
Frequency Range	<p>US: 908.40 MHz, 908.42 MHz and 916.00 MHz(3 channel)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Geographical area</th> <th colspan="2">Centre frequency</th> <th>Data rate</th> <th>Channel width</th> <th rowspan="2">Regulatory reference</th> </tr> <tr> <th>G.9959</th> <th>MHz</th> <th>G.9959</th> <th>kHz</th> </tr> </thead> <tbody> <tr> <td rowspan="3">Argentina, Bahamas, Barbados, Bermuda, Bolivia, British Virgin Islands, Canada, Cayman Islands, Colombia, Ecuador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, St Kitts & Nevis, Suriname, Trinidad & Tobago, Turks & Caicos Islands, United States of America</td> <td>f_{US1}</td> <td>916.00</td> <td>R3</td> <td>400</td> <td rowspan="3">FCC CFR47 Part 15.249</td> </tr> <tr> <td rowspan="2">f_{US2}</td> <td rowspan="2">908.40</td> <td>R2</td> <td>300</td> </tr> <tr> <td>R1</td> <td>300</td> </tr> </tbody> </table> <p>US-LR: 912MHz, 920MHz(2 channel)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Frequency Plan</th> <th rowspan="2">Channel Config *</th> <th colspan="2">Center Frequency (MHz)</th> <th colspan="2">Data Rate *</th> </tr> <tr> <th>FLR₁</th> <th>FLR₂</th> <th>FLR1</th> <th>FLR2</th> </tr> </thead> <tbody> <tr> <td>USLR</td> <td>1, 2</td> <td>912.00</td> <td>920.00</td> <td>LR1</td> <td>LR1</td> </tr> </tbody> </table> <p><small>* Refer to ZWA_Z-Wave Long Range PHY and MAC Layer Specification_SPE</small></p> <p style="text-align: center;">Table 4 Country/Region frequency list</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Country/Region</th> <th>Standard</th> <th>Frequency plan</th> </tr> </thead> <tbody> <tr> <td>USA</td> <td>FCC CFR47 Part 15.247</td> <td>USLR</td> </tr> </tbody> </table>	Geographical area	Centre frequency		Data rate	Channel width	Regulatory reference	G.9959	MHz	G.9959	kHz	Argentina, Bahamas, Barbados, Bermuda, Bolivia, British Virgin Islands, Canada, Cayman Islands, Colombia, Ecuador, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, St Kitts & Nevis, Suriname, Trinidad & Tobago, Turks & Caicos Islands, United States of America	f_{US1}	916.00	R3	400	FCC CFR47 Part 15.249	f_{US2}	908.40	R2	300	R1	300	Frequency Plan	Channel Config *	Center Frequency (MHz)		Data Rate *		FLR ₁	FLR ₂	FLR1	FLR2	USLR	1, 2	912.00	920.00	LR1	LR1	Country/Region	Standard	Frequency plan	USA	FCC CFR47 Part 15.247	USLR
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MAX. Gain	1 dBi																																												
Modulation	US: 2FSK for 40 kbit/s and 9.6 kbit/s and 2GFSK for 100 kbit/s US-LR: DSSS OQPSK																																												
Impedance	50 Ohm																																												
Manufacture	Bonondar																																												
Address	Room 468, Building F1, TCL Technologies Park, #1001, Zhongshanyuan Road, Shuguang Community, Xili Street Office, Nanshan District, Shenzhen City, China																																												

