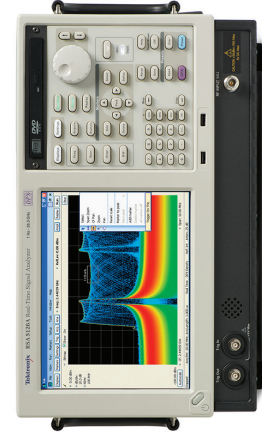




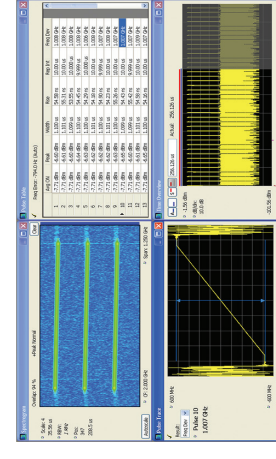
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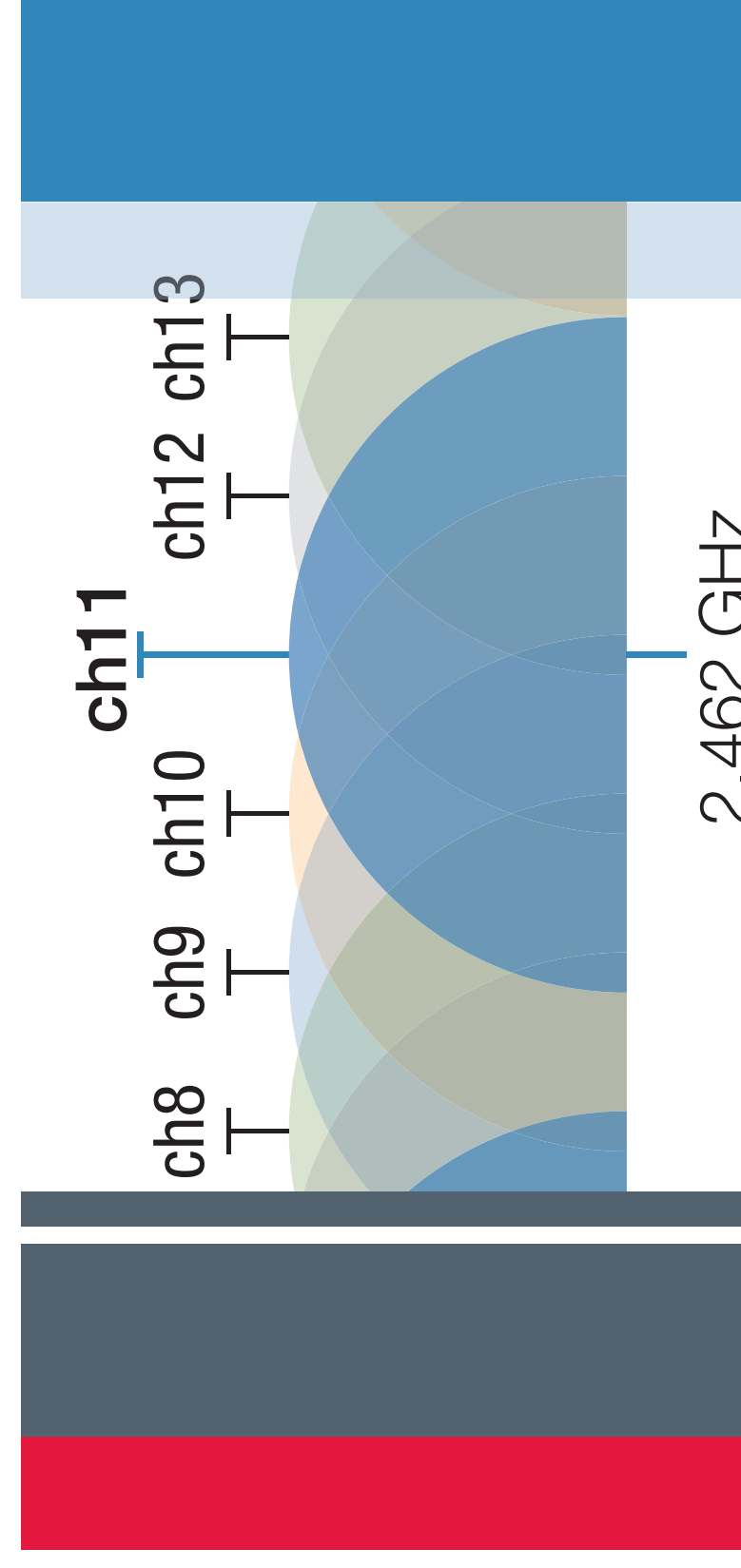
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802.11 Wi-Fi Physical Layer and Transmitter Measurements Poster



802.11 Wi-Fi Physical Layer and Transmitter Measurements

		802.11b (HR/DSSS)	802.11a and 802.11g (ERP)	802.11n (HT)	802.11ac (VHT)	Channel # / Center Frequency																																																																																																																																																																																																																																																																														
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<tr><td>10</td><td>2457</td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td></tr> <tr><td>11</td><td>2462</td><td>Yes</td><td>Yes</td><td>Yes</td><td>Yes</td></tr> <tr><td>12</td><td>2467</td><td>No</td><td>Yes</td><td>Yes</td><td>Yes</td></tr> <tr><td>13</td><td>2472</td><td>No</td><td>Yes</td><td>Yes</td><td>Yes</td></tr> <tr><td>14</td><td>2477</td><td>No</td><td>No</td><td>802.11b only</td><td>No</td></tr> </tbody> </table>			2.4 GHz						Channel Number	Center Frequency	North America (FCC)	Europe (ETSI)	Japan	ROW	1	2412	Yes	Yes	Yes	Yes	2	2417	Yes	Yes	Yes	Yes	3	2422	Yes	Yes	Yes	Yes	4	2427	Yes	Yes	Yes	Yes	5	2432	Yes	Yes	Yes	Yes	6	2437	Yes	Yes	Yes	Yes	7	2442	Yes	Yes	Yes	Yes	8	2447	Yes	Yes	Yes	Yes	9	2452	Yes	Yes	Yes	Yes	10	2457	Yes	Yes	Yes	Yes	11	2462	Yes	Yes	Yes	Yes	12	2467	No	Yes	Yes	Yes	13	2472	No	Yes	Yes	Yes	14	2477	No	No	802.11b only	No	<table border="1"> <thead> <tr> <th colspan="6">5 GHz</th> </tr> <tr> <th>Channel Number</th><th>Center 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Only	No	48	5240	Yes	Indoors	Yes	Yes	52	5260	DFS	Indoors/DFS/TPC	DFS/TPC	Yes	56	5280	DFS	Indoors/DFS/TPC	DFS/TPC	Yes	60	5300	DFS	Indoors/DFS/TPC	DFS/TPC	Yes	64	5320	DFS	DFS/TPC	DFS/TPC	Yes	100	5500	DFS	DFS/TPC	DFS/TPC	Yes	104	5520	DFS	DFS/TPC	DFS/TPC	Yes	108	5540	DFS	DFS/TPC	DFS/TPC	No	112	5560	DFS	DFS/TPC	DFS/TPC	No	116	5580	DFS	DFS/TPC	DFS/TPC	No	120	5600	No	DFS/TPC	DFS/TPC	No	124	5620	No	DFS/TPC	DFS/TPC	No	128	5640	No	DFS/TPC	DFS/TPC	No	132	5660	DFS	DFS/TPC	DFS/TPC	No	136	5680	DFS	DFS/TPC	DFS/TPC	No	140	5700	DFS	DFS/TPC	DFS/TPC	No	149	5745	Yes	SRD	No	Yes	153	5765	Yes	SRD	No	Yes	157	5785	Yes	SRD	No	Yes	161	5805	Yes	SRD	No	Yes	165	5825	Yes	SRD	No	Yes
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46	5230	No	No	Client Only	No																																																																																																																																																																																																																																																																															
48	5240	Yes	Indoors	Yes	Yes																																																																																																																																																																																																																																																																															
52	5260	DFS	Indoors/DFS/TPC	DFS/TPC	Yes																																																																																																																																																																																																																																																																															
56	5280	DFS	Indoors/DFS/TPC	DFS/TPC	Yes																																																																																																																																																																																																																																																																															
60	5300	DFS	Indoors/DFS/TPC	DFS/TPC	Yes																																																																																																																																																																																																																																																																															
64	5320	DFS	DFS/TPC	DFS/TPC	Yes																																																																																																																																																																																																																																																																															
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112	5560	DFS	DFS/TPC	DFS/TPC	No																																																																																																																																																																																																																																																																															
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120	5600	No	DFS/TPC	DFS/TPC	No																																																																																																																																																																																																																																																																															
124	5620	No	DFS/TPC	DFS/TPC	No																																																																																																																																																																																																																																																																															
128	5640	No	DFS/TPC	DFS/TPC	No																																																																																																																																																																																																																																																																															
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153	5765	Yes	SRD	No	Yes																																																																																																																																																																																																																																																																															
157	5785	Yes	SRD	No	Yes																																																																																																																																																																																																																																																																															
161	5805	Yes	SRD	No	Yes																																																																																																																																																																																																																																																																															
165	5825	Yes	SRD	No	Yes																																																																																																																																																																																																																																																																															
		<table border="1"> <thead> <tr> <th colspan="5">5 GHz</th> </tr> <tr> <th>Channel Number</th><th>Center Frequency</th><th>Korea</th><th>Australia</th><th>Brazil</th> </tr> </thead> <tbody> <tr><td>36</td><td>5180</td><td>Yes</td><td>Yes</td><td>Indoors</td></tr> <tr><td>38</td><td>5190</td><td>Yes</td><td>No</td><td>Indoors</td></tr> <tr><td>40</td><td>5200</td><td>Yes</td><td>Yes</td><td>Indoors</td></tr> <tr><td>42</td><td>5210</td><td>Yes</td><td>No</td><td>Indoors</td></tr> <tr><td>44</td><td>5220</td><td>Yes</td><td>Yes</td><td>Indoors</td></tr> <tr><td>46</td><td>5230</td><td>Yes</td><td>No</td><td>Indoors</td></tr> <tr><td>48</td><td>5240</td><td>Yes</td><td>Yes</td><td>Indoors</td></tr> <tr><td>52</td><td>5260</td><td>Yes</td><td>DFS/TPC</td><td>Indoors</td></tr> <tr><td>56</td><td>5280</td><td>Yes</td><td>DFS/TPC</td><td>Indoors</td></tr> <tr><td>60</td><td>5300</td><td>Yes</td><td>DFS/TPC</td><td>Indoors</td></tr> <tr><td>64</td><td>5320</td><td>Yes</td><td>DFS/TPC</td><td>Indoors</td></tr> <tr><td>100</td><td>5500</td><td>Yes</td><td>DFS/TPC</td><td>DFS</td></tr> <tr><td>104</td><td>5520</td><td>Yes</td><td>DFS/TPC</td><td>DFS</td></tr> <tr><td>108</td><td>5540</td><td>Yes</td><td>DFS/TPC</td><td>DFS</td></tr> <tr><td>112</td><td>5560</td><td>Yes</td><td>DFS/TPC</td><td>DFS</td></tr> <tr><td>116</td><td>5580</td><td>Yes</td><td>DFS/TPC</td><td>DFS</td></tr> <tr><td>120</td><td>5600</td><td>Yes</td><td>No</td><td>DFS</td></tr> <tr><td>124</td><td>5620</td><td>Yes</td><td>No</td><td>DFS</td></tr> <tr><td>128</td><td>5640</td><td>Yes</td><td>No</td><td>DFS</td></tr> <tr><td>132</td><td>5660</td><td>No</td><td>DFS/TPC</td><td>DFS</td></tr> <tr><td>136</td><td>5680</td><td>No</td><td>DFS/TPC</td><td>DFS</td></tr> <tr><td>140</td><td>5700</td><td>No</td><td>DFS/TPC</td><td>DFS</td></tr> <tr><td>149</td><td>5745</td><td>Yes</td><td>Yes</td><td>Yes</td></tr> <tr><td>153</td><td>5765</td><td>Yes</td><td>Yes</td><td>Yes</td></tr> <tr><td>157</td><td>5785</td><td>Yes</td><td>Yes</td><td>Yes</td></tr> <tr><td>161</td><td>5805</td><td>Yes</td><td>Yes</td><td>Yes</td></tr> <tr><td>165</td><td>5825</td><td>Yes</td><td>Yes</td><td>Yes</td></tr> </tbody> </table>			5 GHz					Channel Number	Center Frequency	Korea	Australia	Brazil	36	5180	Yes	Yes	Indoors	38	5190	Yes	No	Indoors	40	5200	Yes	Yes	Indoors	42	5210	Yes	No	Indoors	44	5220	Yes	Yes	Indoors	46	5230	Yes	No	Indoors	48	5240	Yes	Yes	Indoors	52	5260	Yes	DFS/TPC	Indoors	56	5280	Yes	DFS/TPC	Indoors	60	5300	Yes	DFS/TPC	Indoors	64	5320	Yes	DFS/TPC	Indoors	100	5500	Yes	DFS/TPC	DFS	104	5520	Yes	DFS/TPC	DFS	108	5540	Yes	DFS/TPC	DFS	112	5560	Yes	DFS/TPC	DFS	116	5580	Yes	DFS/TPC	DFS	120	5600	Yes	No	DFS	124	5620	Yes	No	DFS	128	5640	Yes	No	DFS	132	5660	No	DFS/TPC	DFS	136	5680	No	DFS/TPC	DFS	140	5700	No	DFS/TPC	DFS	149	5745	Yes	Yes	Yes	153	5765	Yes	Yes	Yes	157	5785	Yes	Yes	Yes	161	5805	Yes	Yes	Yes	165	5825	Yes	Yes	Yes	<p>DFS = Dynamic Frequency Selection TPC = Transmit Power Control SRD = Short Range Devices 25 mW max power</p>																																																																																																																														
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Based on IEEE802.11-2012 standard.

<http://cn.tek.com/spectrum-analyzer/rsa5000>
<http://cn.tek.com/oscilloscope/mdo4000-mixed-domain-oscilloscope>

