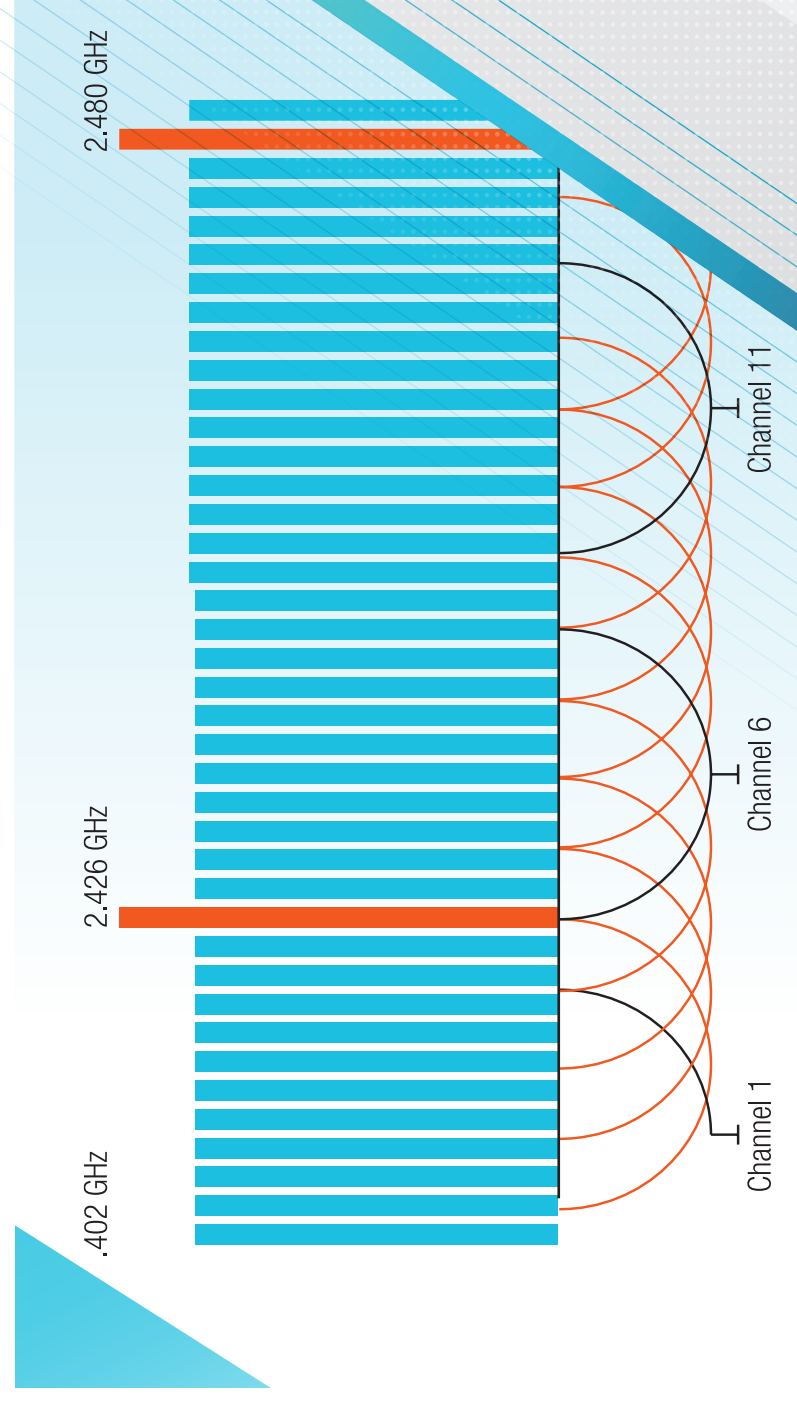


Bluetooth Physical Layer and Transmitter Measurements

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Tektronix

Bluetooth® Physical Layer and Transmitter Measurements

	Basic Data Rate		Enhanced Data Rate		Low Energy Data Rate																																																																																																																																																																																																																																																																																		
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Packet Information	<p>Data Packets</p> <p>Every data packet consists of an access code, a header, and its payload. An EDR packet also contains a guard time, and a sync word between the header and the payload.</p> <ul style="list-style-type: none"> Guard Time: ranges between 4.75 μs - 5.25 μs Sync Word: 11 symbols 			<p>Basic Rate Packet</p> <p>Access Code (72 Bit) Header (54 Bit) Payload (0...2790 Bit)</p>		<p>Enhanced Data Rate Packet</p> <p>Access Code (72 Bit) Header (54 Bit) Guard Time (4.75 - 5.25 μs) Sync (11 Symbol) Payload (0...8168 Bit)</p>																																																																																																																																																																																																																																																																																	
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For '01010101' 8 bit sequence, $\Delta f_{MAX} \geq 115$ kHz for at least 99.9% of all Δf_{MAX}. 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