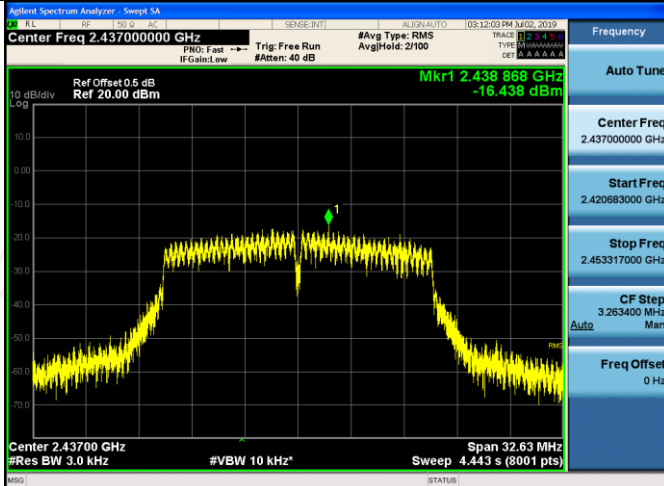
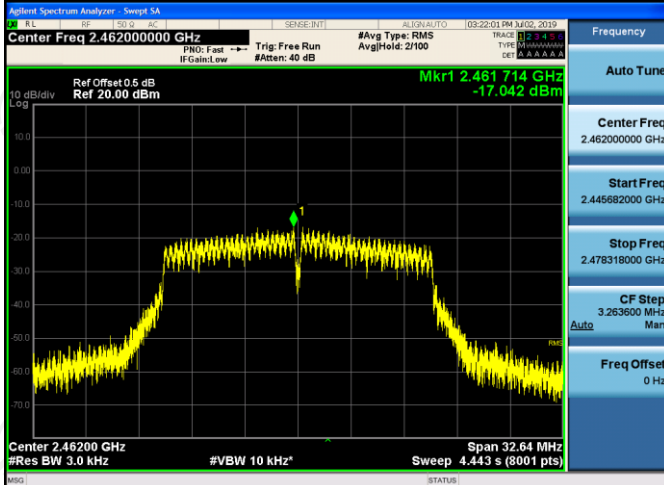


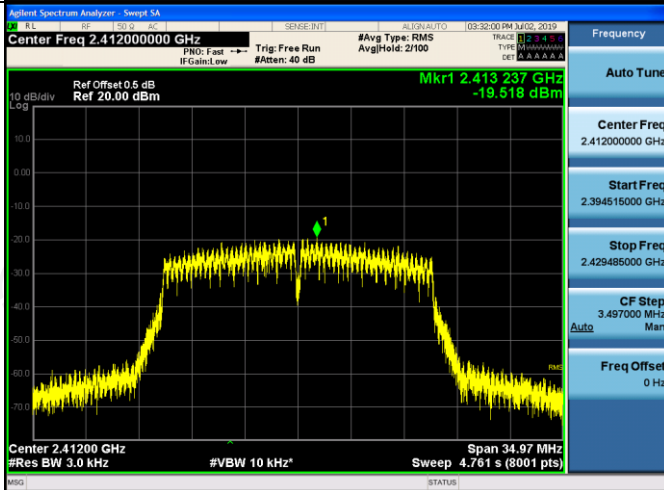
11G/MCH



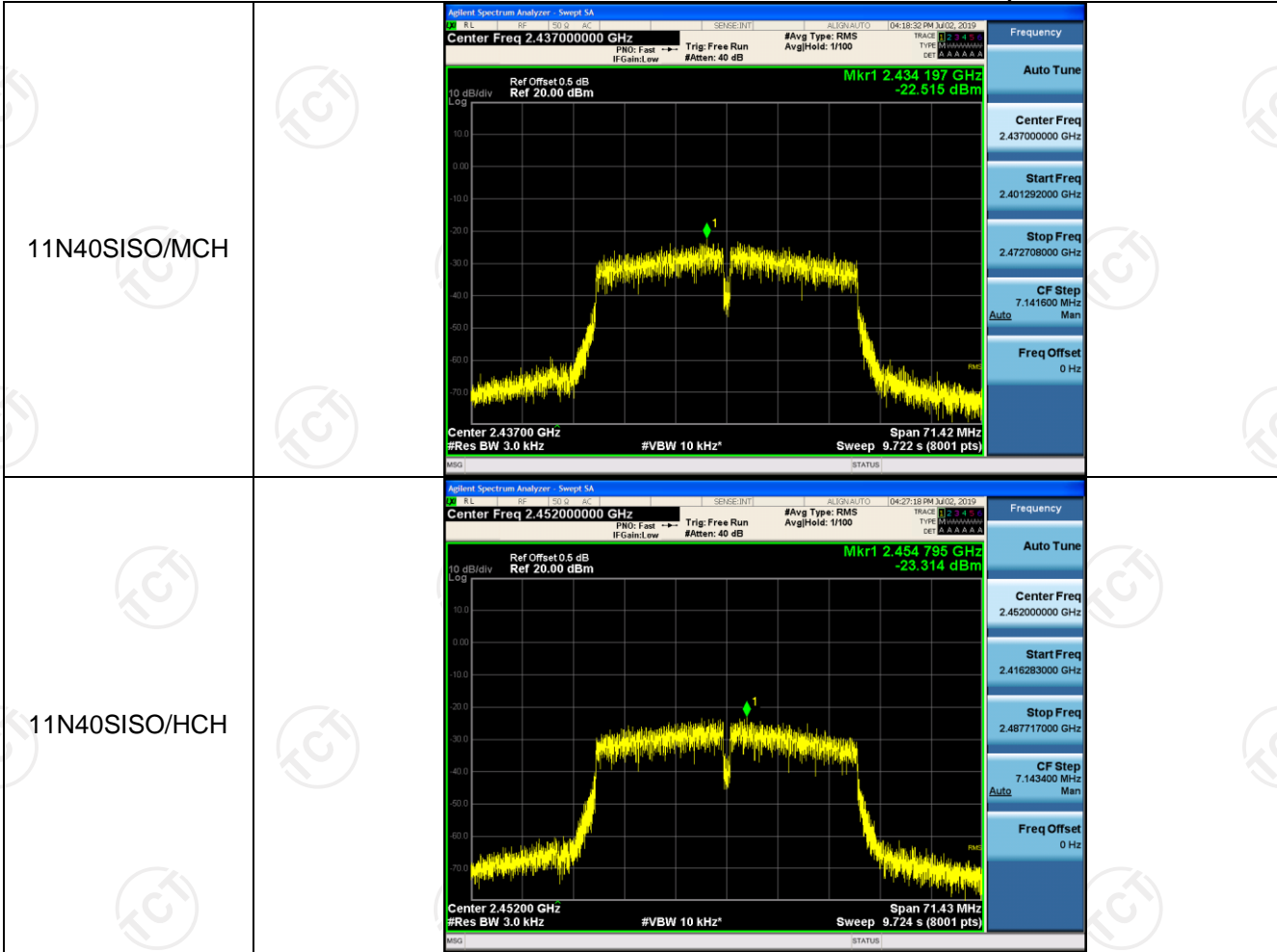
11G/HCH



11N20SISO/LCH



<p>11N20SISO/MCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.419518000 GHz</p> <p>Stop Freq 2.454482000 GHz</p> <p>CF Step 3.496400 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.462000000 GHz</p> <p>Start Freq 2.444518000 GHz</p> <p>Stop Freq 2.479482000 GHz</p> <p>CF Step 3.496400 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N40SISO/LCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.422000000 GHz</p> <p>Start Freq 2.386296000 GHz</p> <p>Stop Freq 2.457704000 GHz</p> <p>CF Step 7.140800 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>



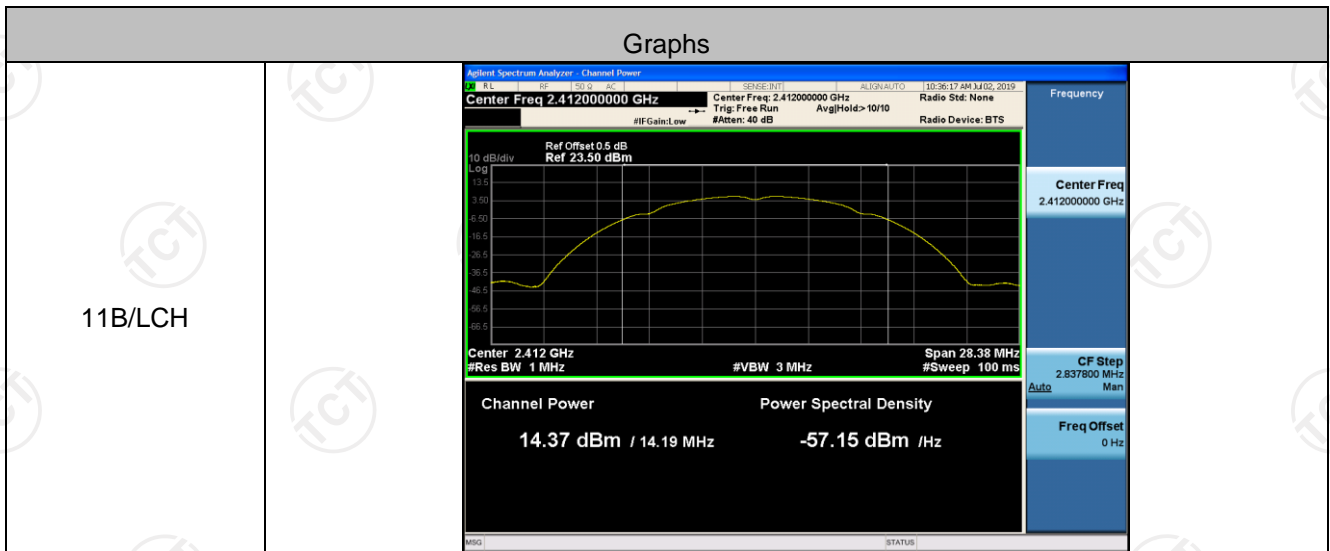
Antenna 1

Conducted Average Output Power

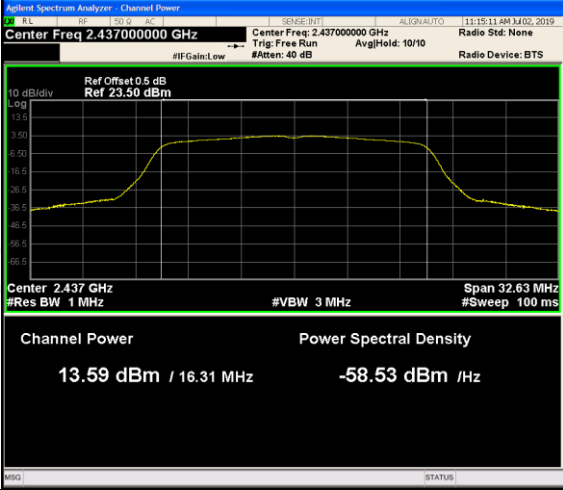
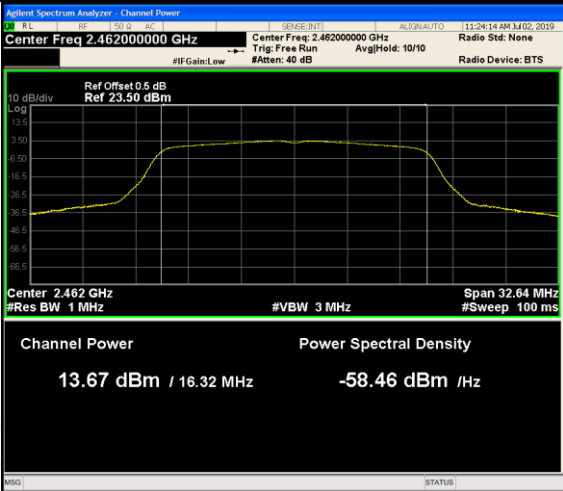
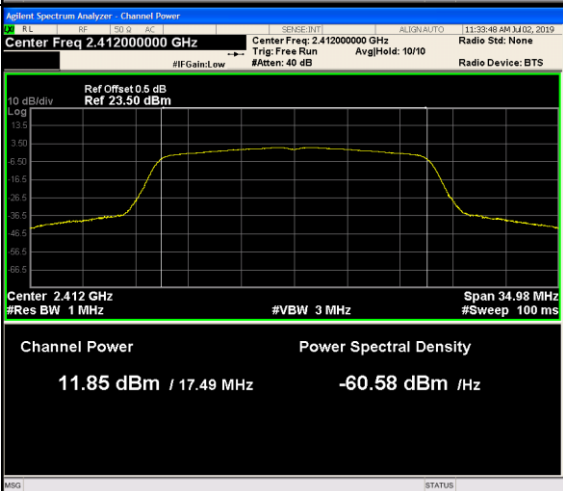
Result Table

Mode	Channel	Meas.Level [dBm]	Verdict
11B	LCH	14.37	PASS
11B	MCH	14.74	PASS
11B	HCH	14.72	PASS
11G	LCH	13.46	PASS
11G	MCH	13.59	PASS
11G	HCH	13.67	PASS
11N20SISO	LCH	11.85	PASS
11N20SISO	MCH	11.62	PASS
11N20SISO	HCH	11.44	PASS
11N40SISO	LCH	11.70	PASS
11N40SISO	MCH	11.80	PASS
11N40SISO	HCH	11.80	PASS

Test Graph



<p>11B/MCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq: 2.437000000 GHz</p> <p>Channel Power: 14.74 dBm / 14.22 MHz</p> <p>Power Spectral Density: -56.79 dBm / Hz</p>	<p>Frequency</p> <p>Center Freq 2.437000000 GHz</p> <p>CF Step 2.844800 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11B/HCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq: 2.462000000 GHz</p> <p>Channel Power: 14.72 dBm / 14.24 MHz</p> <p>Power Spectral Density: -56.82 dBm / Hz</p>	<p>Frequency</p> <p>Center Freq 2.462000000 GHz</p> <p>CF Step 2.847200 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11G/LCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq: 2.412000000 GHz</p> <p>Channel Power: 13.46 dBm / 16.32 MHz</p> <p>Power Spectral Density: -58.67 dBm / Hz</p>	<p>Frequency</p> <p>Center Freq 2.412000000 GHz</p> <p>CF Step 3.263400 MHz</p> <p>Freq Offset 0 Hz</p>

<p>11G/MCH</p>	 <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.437000000 GHz</p> <p>Channel Power: 13.59 dBm / 16.31 MHz</p> <p>Power Spectral Density: -58.53 dBm / Hz</p>	<p>Frequency</p> <p>Center Freq 2.437000000 GHz</p> <p>CF Step 3.262800 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11G/HCH</p>	 <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.462000000 GHz</p> <p>Channel Power: 13.67 dBm / 16.32 MHz</p> <p>Power Spectral Density: -58.46 dBm / Hz</p>	<p>Frequency</p> <p>Center Freq 2.462000000 GHz</p> <p>CF Step 3.264400 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/LCH</p>	 <p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.412000000 GHz</p> <p>Channel Power: 11.85 dBm / 17.49 MHz</p> <p>Power Spectral Density: -60.58 dBm / Hz</p>	<p>Frequency</p> <p>Center Freq 2.412000000 GHz</p> <p>CF Step 3.497800 MHz</p> <p>Freq Offset 0 Hz</p>

<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.437000000 GHz</p> <p>Center Freq: 2.437000000 GHz</p> <p>Trig: Free Run Avg/Hold: 10/10</p> <p>#IFGain: Low #Atten: 40 dB</p> <p>Ref Offset 0.5 dB Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 34.97 MHz #Sweep 100 ms</p> <p>Channel Power: 11.62 dBm / 17.49 MHz</p> <p>Power Spectral Density: -60.81 dBm / Hz</p> <p>Frequency: 2.43700000 GHz</p> <p>CF Step: 3.497200 MHz</p> <p>Freq Offset: 0 Hz</p>
<p>11N20SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.462000000 GHz</p> <p>Center Freq: 2.462000000 GHz</p> <p>Trig: Free Run Avg/Hold: 10/10</p> <p>#IFGain: Low #Atten: 40 dB</p> <p>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>10 dB/div Log</p> <p>Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 34.95 MHz #Sweep 100 ms</p> <p>Channel Power: 11.44 dBm / 17.48 MHz</p> <p>Power Spectral Density: -60.98 dBm / Hz</p> <p>Frequency: 2.46200000 GHz</p> <p>CF Step: 3.495400 MHz</p> <p>Freq Offset: 0 Hz</p>
<p>11N40SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.422000000 GHz</p> <p>Center Freq: 2.422000000 GHz</p> <p>Trig: Free Run Avg/Hold: 10/10</p> <p>#IFGain: Low #Atten: 40 dB</p> <p>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>10 dB/div Log</p> <p>Center 2.422 GHz #Res BW 1 MHz #VBW 3 MHz Span 71.41 MHz #Sweep 100 ms</p> <p>Channel Power: 11.70 dBm / 35.7 MHz</p> <p>Power Spectral Density: -63.83 dBm / Hz</p> <p>Frequency: 2.42200000 GHz</p> <p>CF Step: 7.140600 MHz</p> <p>Freq Offset: 0 Hz</p>



<p>11N40SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.437000000 GHz</p> <p>Channel Power: 11.80 dBm / 35.68 MHz</p> <p>Power Spectral Density: -63.73 dBm / Hz</p> <p>Center Freq: 2.437 GHz</p> <p>Span: 71.36 MHz</p> <p>Res BW: 1 MHz</p> <p>VBW: 3 MHz</p> <p>Sweep: 100 ms</p>
<p>11N40SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.452000000 GHz</p> <p>Channel Power: 11.80 dBm / 35.7 MHz</p> <p>Power Spectral Density: -63.73 dBm / Hz</p> <p>Center Freq: 2.452 GHz</p> <p>Span: 71.41 MHz</p> <p>Res BW: 1 MHz</p> <p>VBW: 3 MHz</p> <p>Sweep: 100 ms</p>

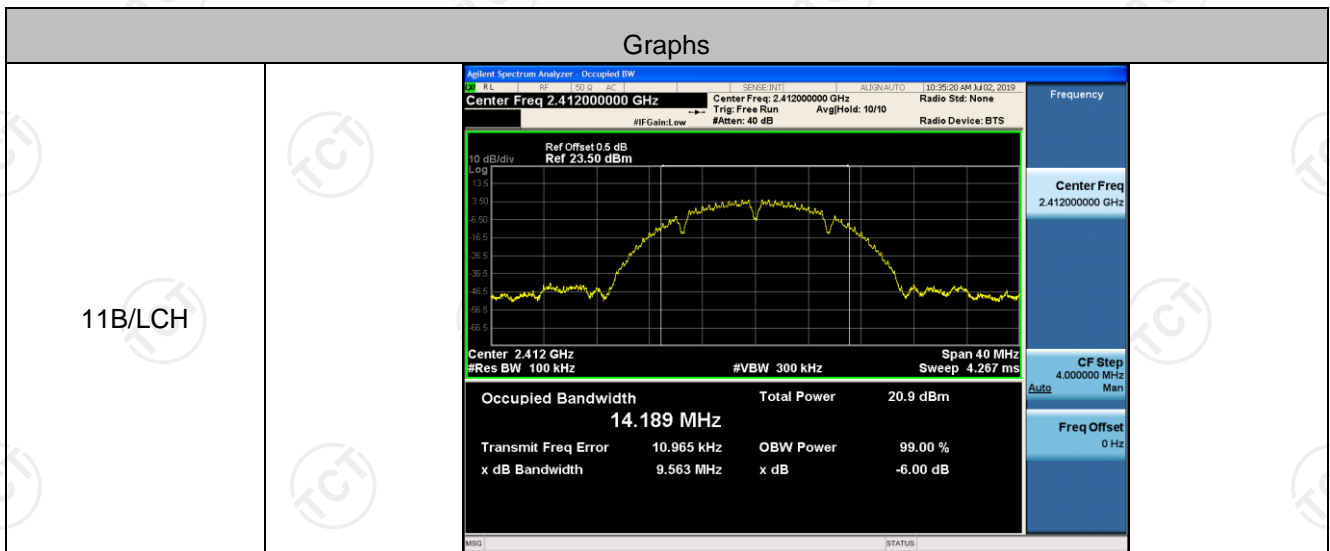


### 6dB Occupied Bandwidth

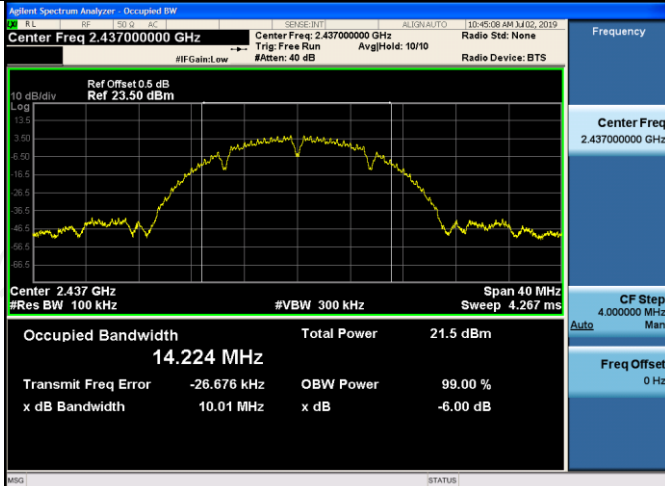
#### Result Table

Mode	Channel	6dB Bandwidth [MHz]	99% OBW [MHz]	Verdict
11B	LCH	9.563	14.189	PASS
11B	MCH	10.01	14.224	PASS
11B	HCH	9.570	14.236	PASS
11G	LCH	13.85	16.317	PASS
11G	MCH	15.07	16.314	PASS
11G	HCH	14.99	16.322	PASS
11N20SISO	LCH	15.07	17.489	PASS
11N20SISO	MCH	15.11	17.486	PASS
11N20SISO	HCH	15.09	17.477	PASS
11N40SISO	LCH	35.02	35.703	PASS
11N40SISO	MCH	35.08	35.681	PASS
11N40SISO	HCH	35.04	35.704	PASS

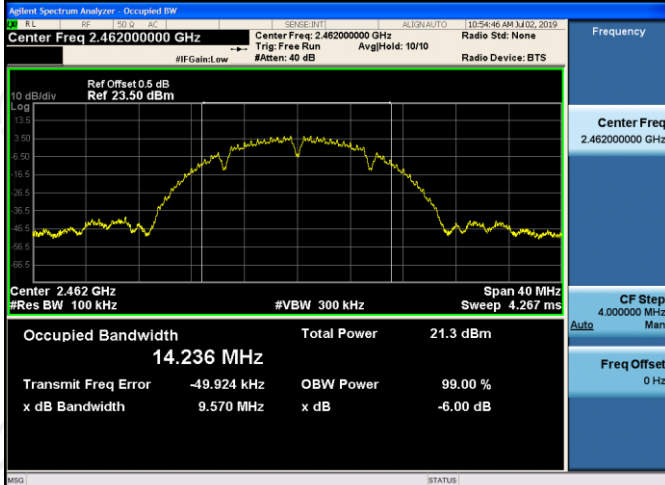
#### Test Graph



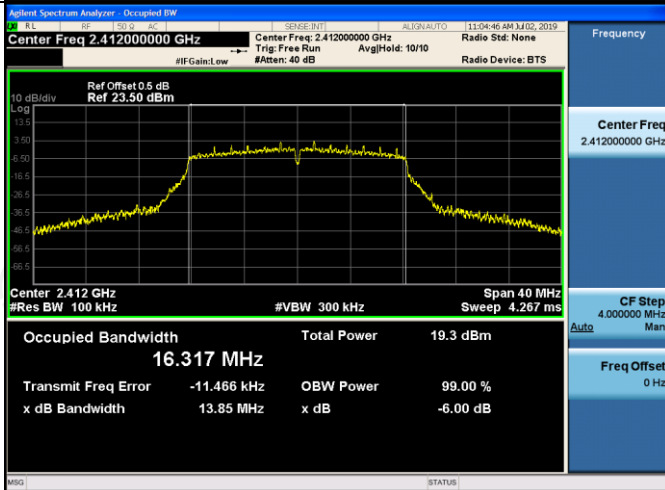
11B/MCH



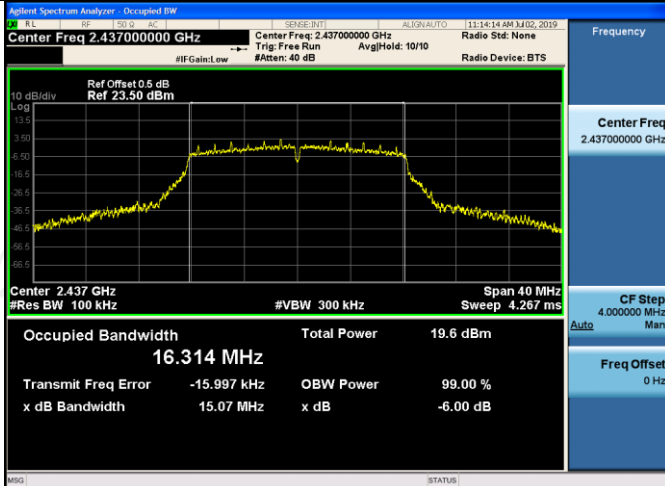
11B/HCH



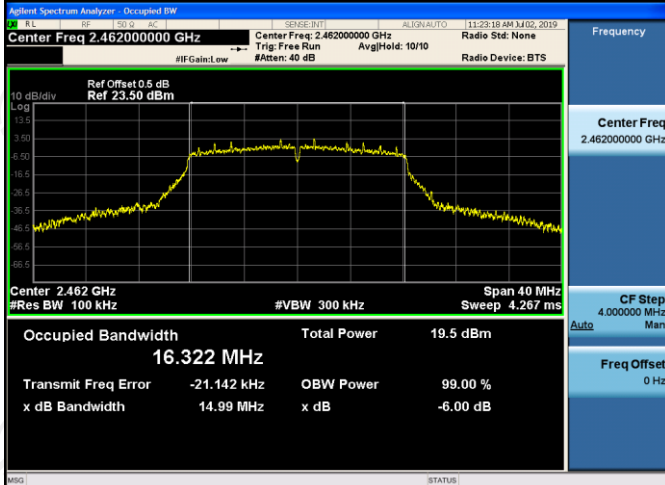
11G/LCH



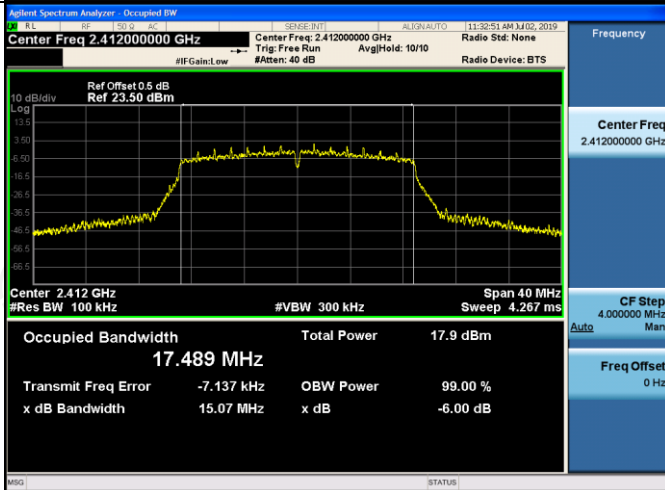
11G/MCH



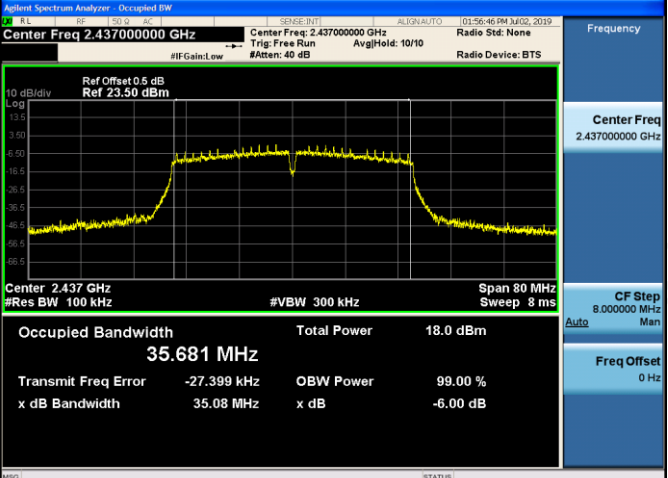
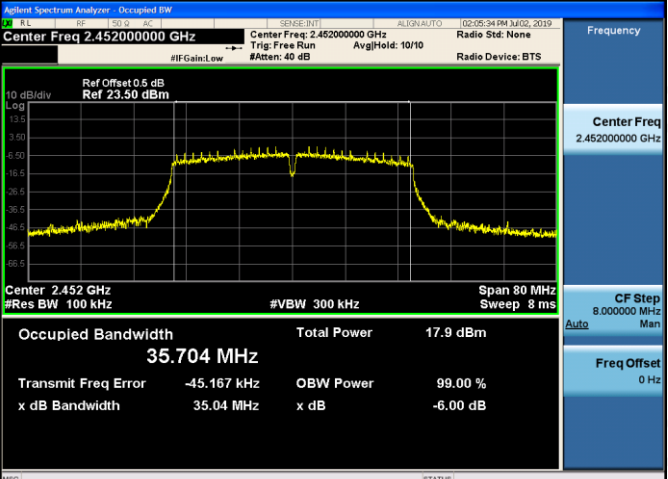
11G/HCH



11N20SISO/LCH



<p>11N20SISO/MCH</p>		<p>Frequency</p> <p>Center Freq 2.437000000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/HCH</p>		<p>Frequency</p> <p>Center Freq 2.462000000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11N40SISO/LCH</p>		<p>Frequency</p> <p>Center Freq 2.422000000 GHz</p> <p>CF Step 8.000000 MHz</p> <p>Freq Offset 0 Hz</p>

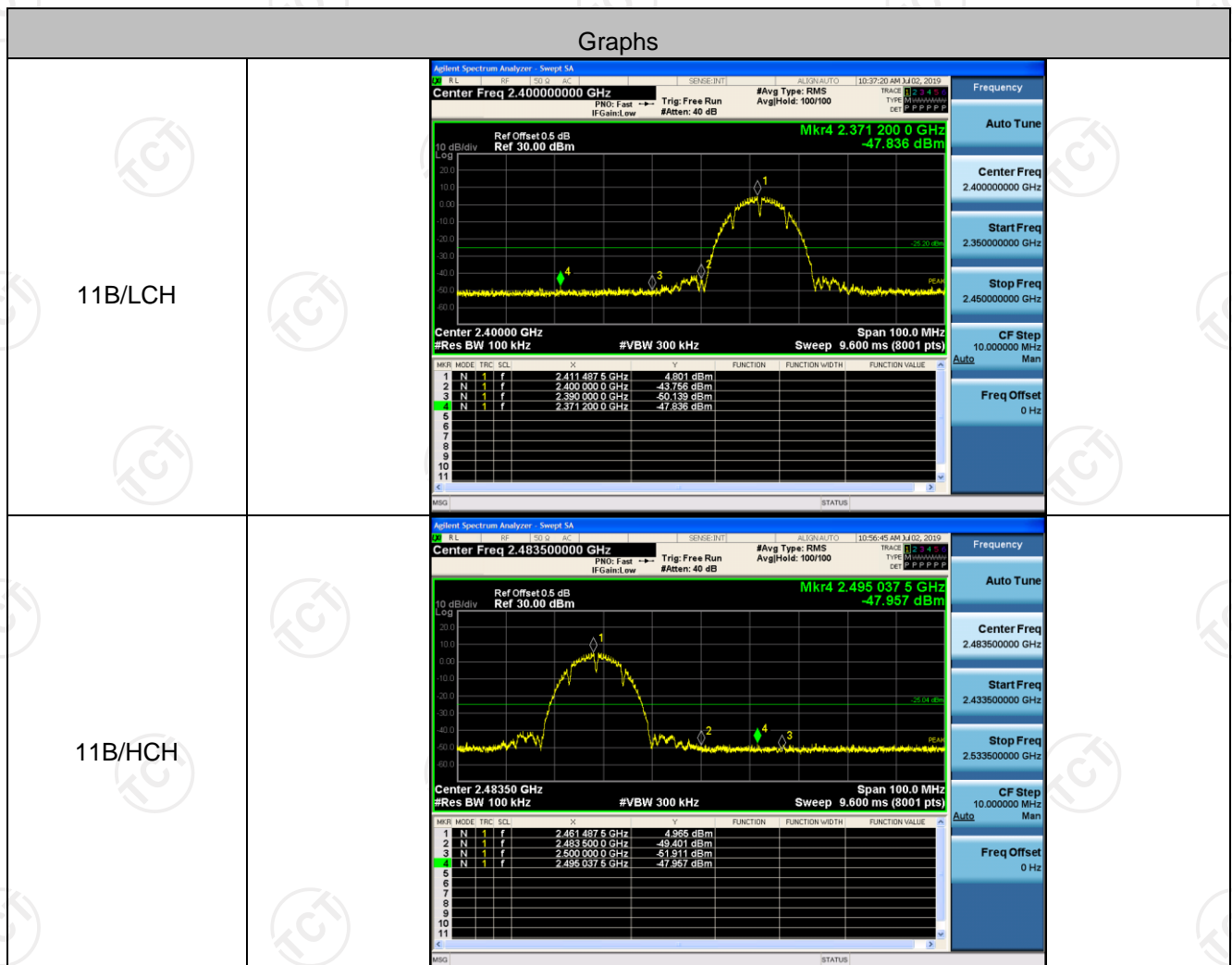
<p>11N40SISO/MCH</p>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz</p> <p>Center Freq: 2.437000000 GHz</p> <p>Occupied Bandwidth: 35.681 MHz</p> <p>Total Power: 18.0 dBm</p> <p>Transmit Freq Error: -27.399 kHz</p> <p>OBW Power: 99.00 %</p>
<p>11N40SISO/HCH</p>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.452000000 GHz</p> <p>Center Freq: 2.452000000 GHz</p> <p>Occupied Bandwidth: 35.704 MHz</p> <p>Total Power: 17.9 dBm</p> <p>Transmit Freq Error: -45.167 kHz</p> <p>OBW Power: 99.00 %</p>

## Band-edge for RF Conducted Emissions

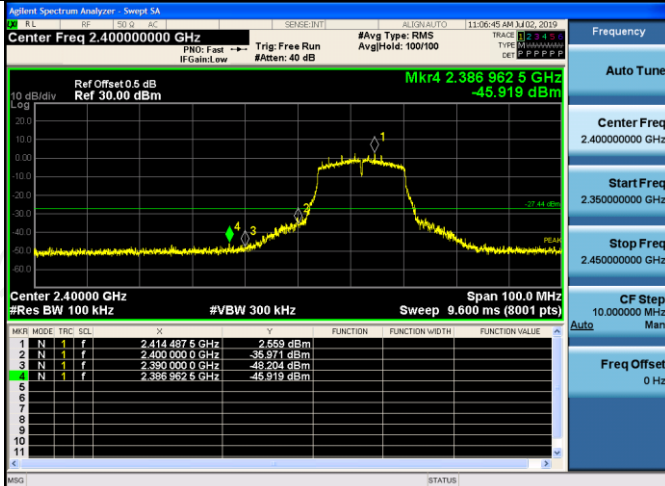
### Result Table

Mode	Channel	Carrier Power [dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	4.801	-47.836	-25.20	PASS
11B	HCH	4.965	-47.957	-25.04	PASS
11G	LCH	2.559	-45.919	-27.44	PASS
11G	HCH	3.197	-46.410	-26.80	PASS
11N20SISO	LCH	1.999	-47.179	-28.00	PASS
11N20SISO	HCH	1.507	-47.435	-28.49	PASS
11N40SISO	LCH	-1.286	-44.409	-31.29	PASS
11N40SISO	HCH	-1.232	-43.924	-31.23	PASS

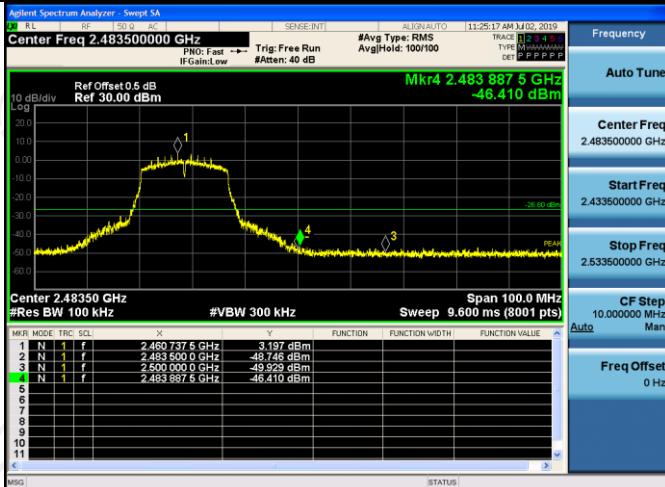
### Test Graph



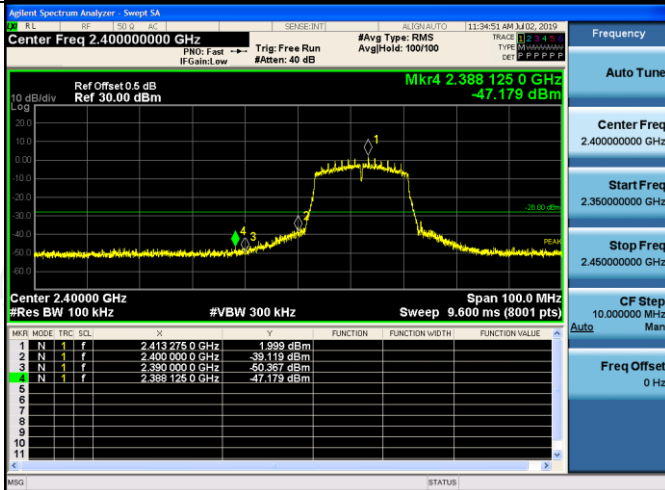
11G/LCH



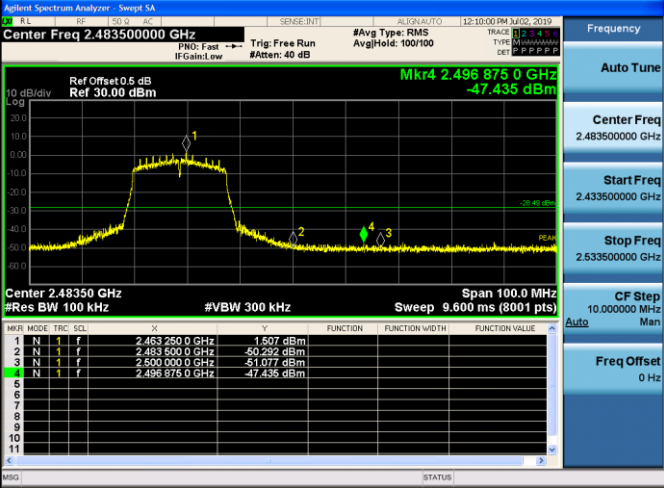
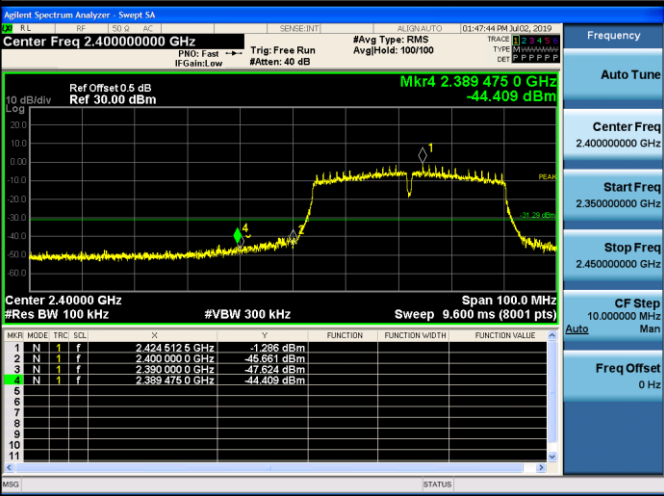
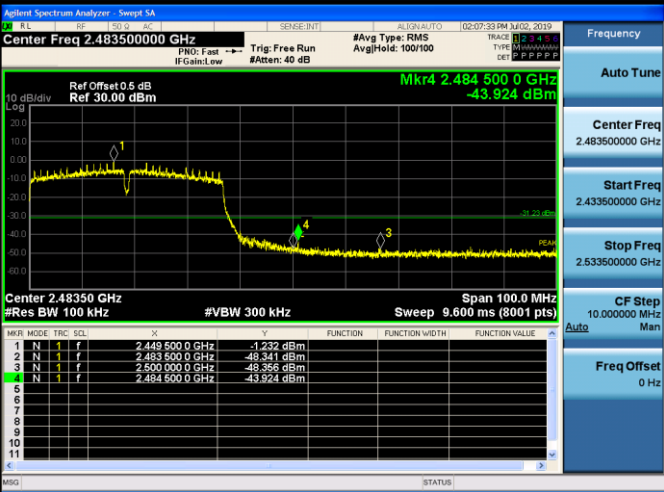
11G/HCH



11N20SISO/LCH





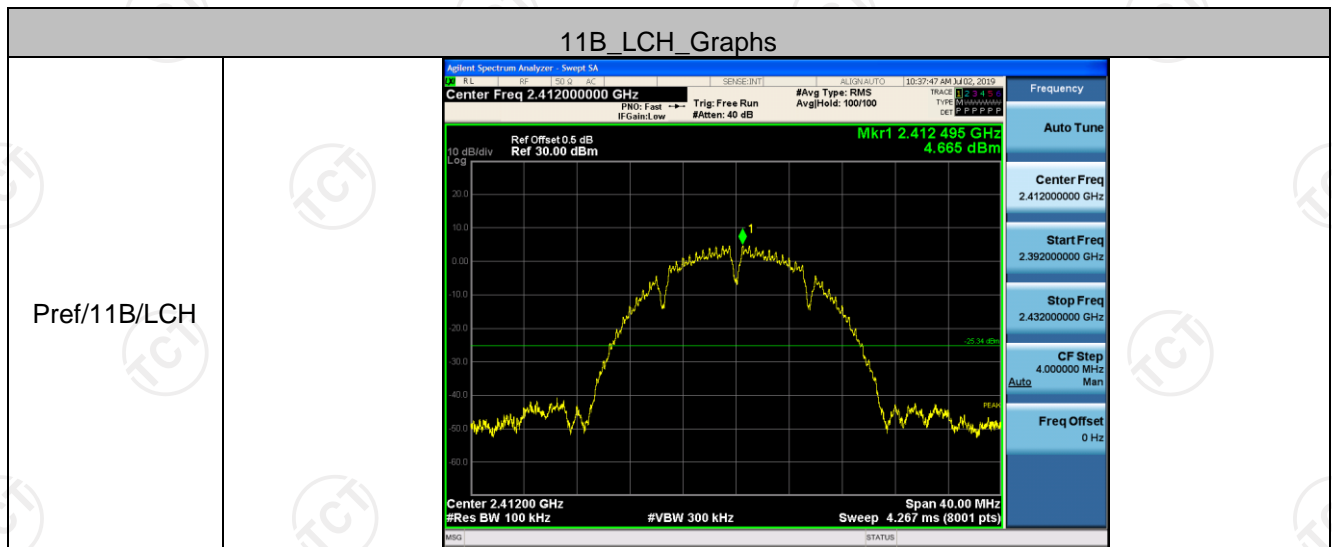
<p>11N20SISO/HCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.483500000 GHz</p> <p>Mkr4 2.496 875 0 GHz -47.435 dBm</p> <p>Center 2.48350 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.600 ms</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.483 250 0 GHz</td><td>-1.607 dBm</td><td></td><td></td><td></td></tr> <tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.483 500 0 GHz</td><td>-50.232 dBm</td><td></td><td></td><td></td></tr> <tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.490 000 0 GHz</td><td>-51.077 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.496 875 0 GHz</td><td>-47.435 dBm</td><td></td><td></td><td></td></tr> </tbody> </table>	MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.483 250 0 GHz	-1.607 dBm				2	N	1	f	2.483 500 0 GHz	-50.232 dBm				3	N	1	f	2.490 000 0 GHz	-51.077 dBm				4	N	1	f	2.496 875 0 GHz	-47.435 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.483500000 GHz</p> <p>Start Freq 2.433500000 GHz</p> <p>Stop Freq 2.533500000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>
MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																							
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<p>11N40SISO/LCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.400000000 GHz</p> <p>Mkr4 2.389 475 0 GHz -44.409 dBm</p> <p>Center 2.40000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.600 ms (8001 pts)</p> <table border="1"> <thead> <tr> <th>MKR</th> <th>MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.424 512 5 GHz</td><td>-1.286 dBm</td><td></td><td></td><td></td></tr> <tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.420 000 0 GHz</td><td>-45.851 dBm</td><td></td><td></td><td></td></tr> <tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.390 000 0 GHz</td><td>-47.624 dBm</td><td></td><td></td><td></td></tr> <tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.389 475 0 GHz</td><td>-44.409 dBm</td><td></td><td></td><td></td></tr> </tbody> </table>	MKR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.424 512 5 GHz	-1.286 dBm				2	N	1	f	2.420 000 0 GHz	-45.851 dBm				3	N	1	f	2.390 000 0 GHz	-47.624 dBm				4	N	1	f	2.389 475 0 GHz	-44.409 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.400000000 GHz</p> <p>Start Freq 2.350000000 GHz</p> <p>Stop Freq 2.450000000 GHz</p> <p>CF Step 10.000000 MHz</p> <p>Freq Offset 0 Hz</p>
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3	N	1	f	2.500 000 0 GHz	-48.356 dBm																																										
4	N	1	f	2.484 500 0 GHz	-43.924 dBm																																										

## RF Conducted Spurious Emissions

### Result Table

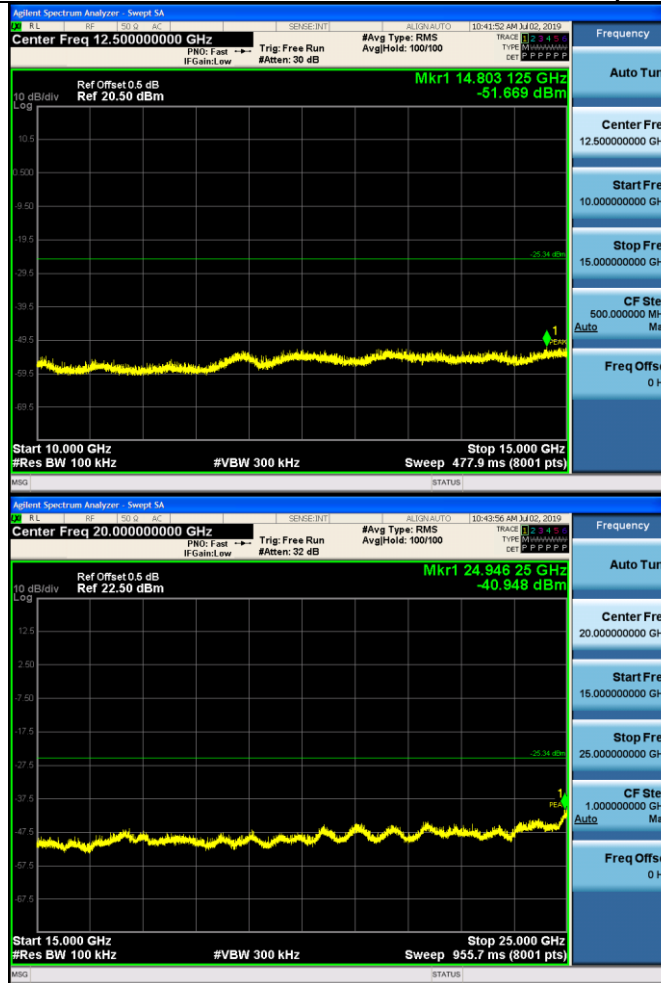
Mode	Channel	Pref [dBm]	Puw [dBm]	Verdict
11B	LCH	4.665	<Limit	PASS
11B	MCH	4.889	<Limit	PASS
11B	HCH	4.866	<Limit	PASS
11G	LCH	3.477	<Limit	PASS
11G	MCH	2.483	<Limit	PASS
11G	HCH	3.094	<Limit	PASS
11N20SISO	LCH	1.981	<Limit	PASS
11N20SISO	MCH	0.228	<Limit	PASS
11N20SISO	HCH	0.806	<Limit	PASS
11N40SISO	LCH	-1.314	<Limit	PASS
11N40SISO	MCH	-1.247	<Limit	PASS
11N40SISO	HCH	-1.504	<Limit	PASS

### Test Graph



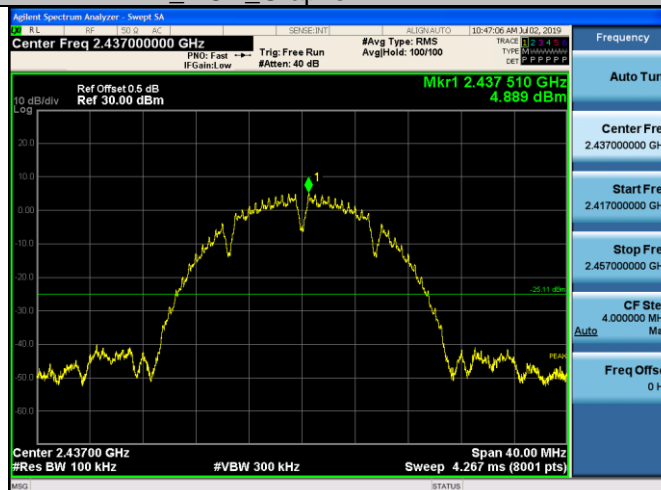
Puw/11B/LCH





## 11B\_MCH\_Graphs

Pref/11B/MCH



Puw/11B/MCH

