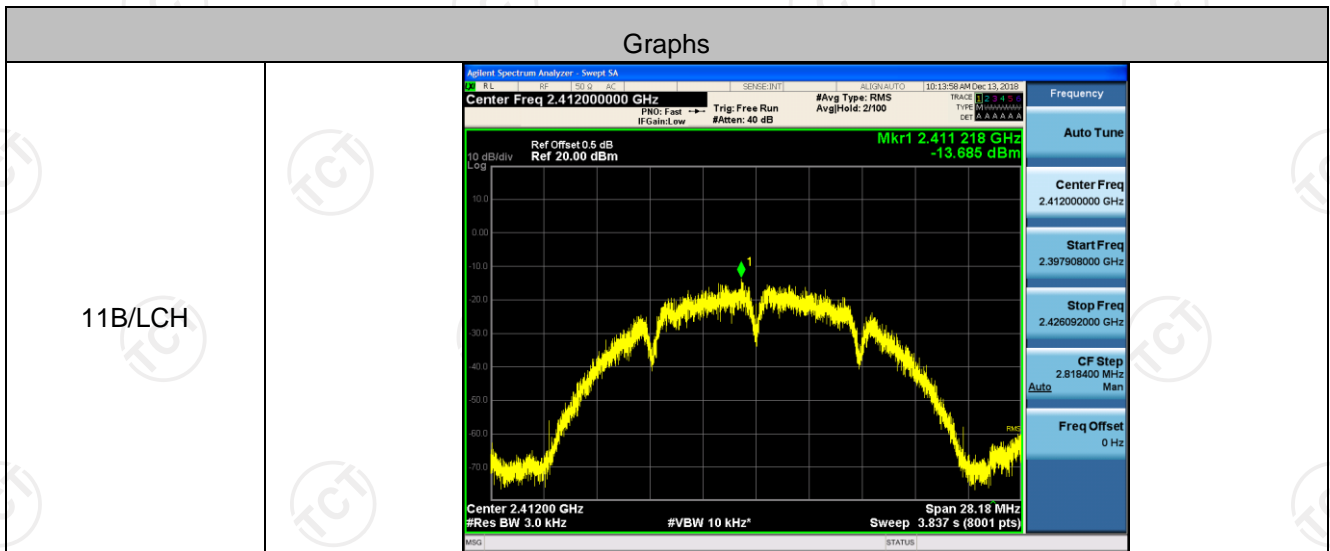


### Power Spectral Density

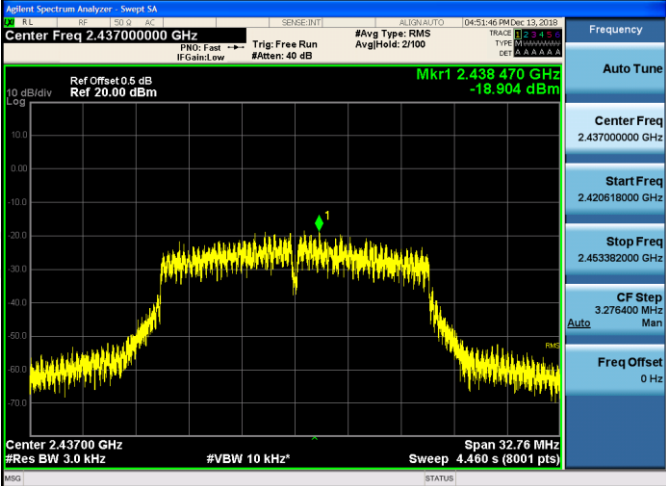
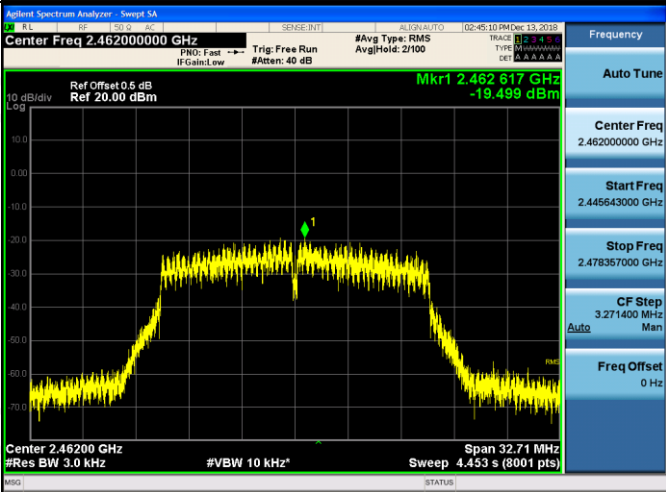
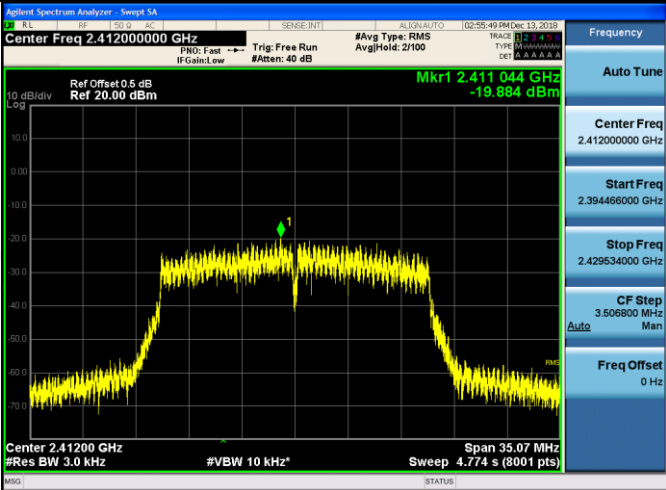
#### Result Table

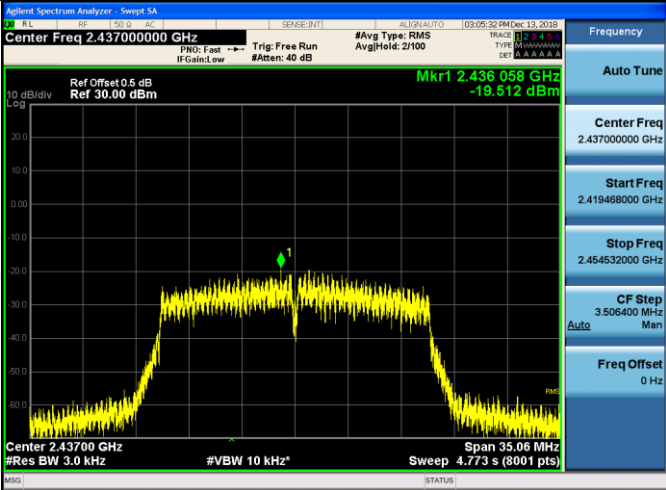
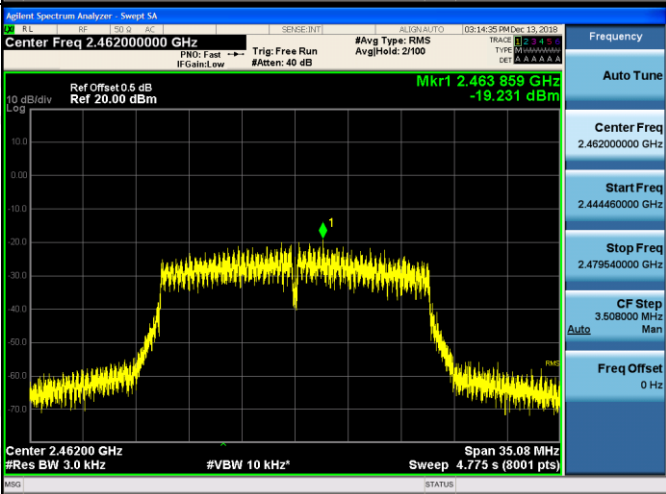
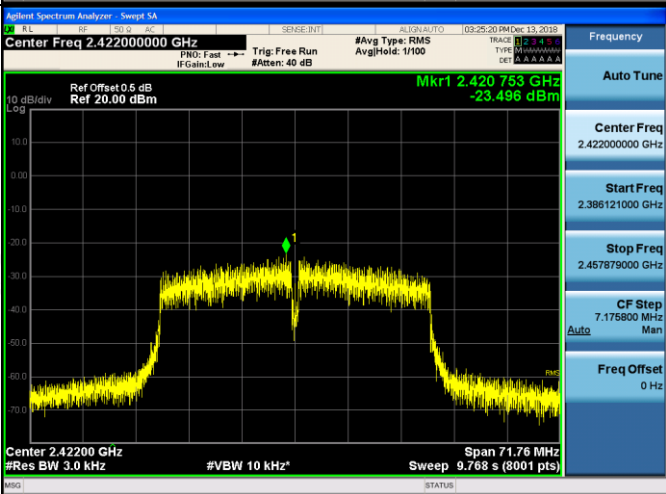
Mode	Channel	Meas.Level [dBm]	Verdict
11B	LCH	-13.685	PASS
11B	MCH	-14.998	PASS
11B	HCH	-14.995	PASS
11G	LCH	-17.780	PASS
11G	MCH	-18.904	PASS
11G	HCH	-19.499	PASS
11N20SISO	LCH	-19.884	PASS
11N20SISO	MCH	-19.512	PASS
11N20SISO	HCH	-19.231	PASS
11N40SISO	LCH	-23.496	PASS
11N40SISO	MCH	-23.548	PASS
11N40SISO	HCH	-25.245	PASS

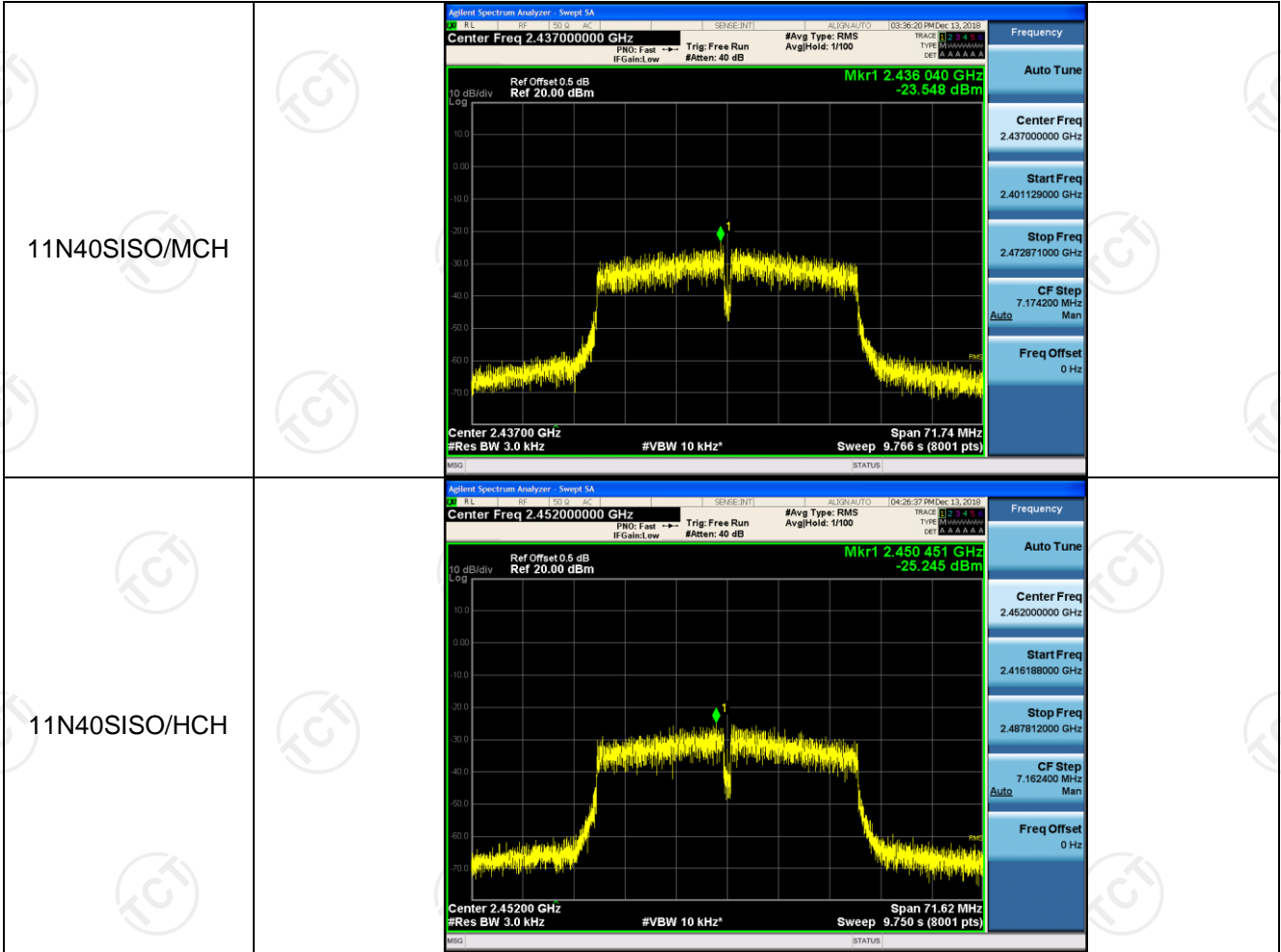
#### Test Graph



11B/MCH		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.43700000 GHz</p> <p>Start Freq 2.422959000 GHz</p> <p>Stop Freq 2.451041000 GHz</p> <p>CF Step 2.808200 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
11B/HCH		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.46200000 GHz</p> <p>Start Freq 2.447911000 GHz</p> <p>Stop Freq 2.476089000 GHz</p> <p>CF Step 2.817800 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
11G/LCH		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.41200000 GHz</p> <p>Start Freq 2.396657000 GHz</p> <p>Stop Freq 2.428343000 GHz</p> <p>CF Step 3.268600 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>

<p>11G/MCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.43700000 GHz</p> <p>Start Freq 2.420618000 GHz</p> <p>Stop Freq 2.453382000 GHz</p> <p>CF Step 3.276400 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11G/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.46200000 GHz</p> <p>Start Freq 2.445643000 GHz</p> <p>Stop Freq 2.478357000 GHz</p> <p>CF Step 3.271400 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/LCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.41200000 GHz</p> <p>Start Freq 2.394468000 GHz</p> <p>Stop Freq 2.429534000 GHz</p> <p>CF Step 3.506800 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>

<p>11N20SISO/MCH</p>	
<p>11N20SISO/HCH</p>	
<p>11N40SISO/LCH</p>	



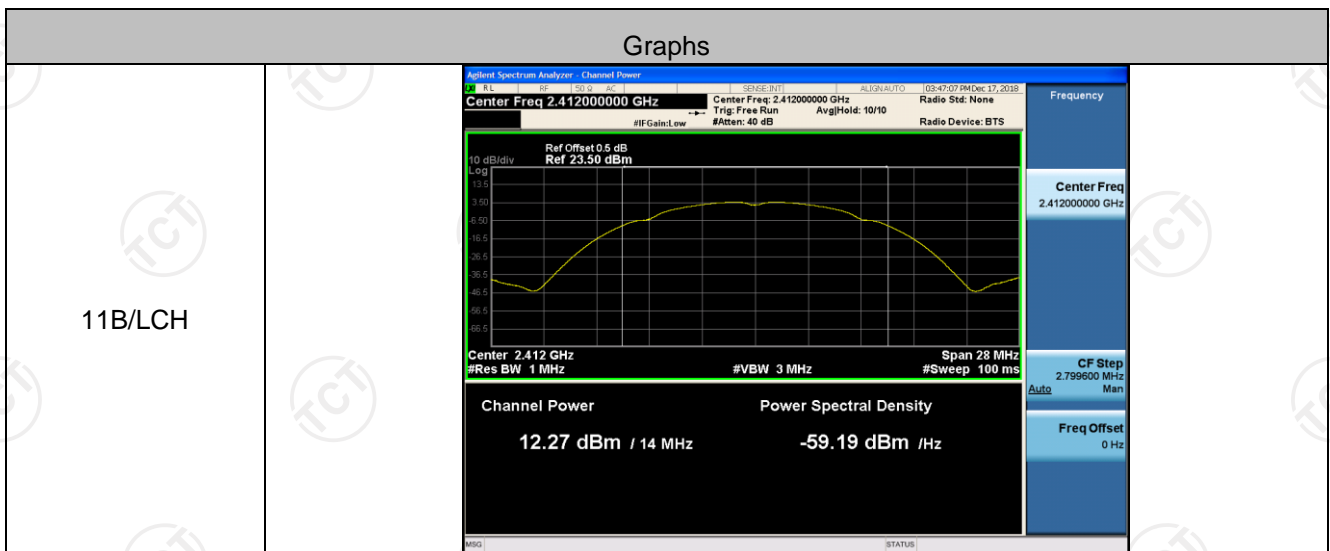
**Antenna 1**

**Conducted Average Output Power**

**Result Table**

Mode	Channel	Meas.Level [dBm]	Verdict
11B	LCH	12.27	PASS
11B	MCH	12.40	PASS
11B	HCH	12.32	PASS
11G	LCH	10.53	PASS
11G	MCH	10.40	PASS
11G	HCH	10.96	PASS
11N20SISO	LCH	10.24	PASS
11N20SISO	MCH	10.75	PASS
11N20SISO	HCH	10.35	PASS
11N40SISO	LCH	10.40	PASS
11N40SISO	MCH	10.02	PASS
11N40SISO	HCH	10.58	PASS

**Test Graph**





<p>11B/MCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.437000000 GHz</p> <p>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>Center 2.437 GHz #Res BW 1 MHz</p> <p>Power Spectral Density -59.05 dBm /Hz</p> <p>Channel Power 12.40 dBm / 13.97 MHz</p>	<p>Frequency</p> <p>Center Freq 2.437000000 GHz</p> <p>CF Step 2.793400 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>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>Center 2.462 GHz #Res BW 1 MHz</p> <p>Power Spectral Density -59.15 dBm /Hz</p> <p>Channel Power 12.32 dBm / 14 MHz</p>	<p>Frequency</p> <p>Center Freq 2.462000000 GHz</p> <p>CF Step 2.800600 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>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>Center 2.412 GHz #Res BW 1 MHz</p> <p>Power Spectral Density -61.59 dBm /Hz</p> <p>Channel Power 10.53 dBm / 16.31 MHz</p>	<p>Frequency</p> <p>Center Freq 2.412000000 GHz</p> <p>CF Step 3.262400 MHz</p> <p>Freq Offset 0 Hz</p>



<p>11G/MCH</p>		<p>Frequency</p> <p>Center Freq 2.437000000 GHz</p> <p>CF Step 3.261600 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11G/HCH</p>		<p>Frequency</p> <p>Center Freq 2.462000000 GHz</p> <p>CF Step 3.266200 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/LCH</p>		<p>Frequency</p> <p>Center Freq 2.412000000 GHz</p> <p>CF Step 3.508800 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>Ref Offset 0.5 dB Ref 20.00 dBm</p> <p>Center 2.437 GHz #Res BW 1 MHz</p> <p>Power Spectral Density -61.69 dBm /Hz</p> <p>Channel Power 10.75 dBm / 17.53 MHz</p>	<p>Frequency</p> <p>Center Freq 2.437000000 GHz</p> <p>CF Step 3.506200 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>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>Center 2.462 GHz #Res BW 1 MHz</p> <p>Power Spectral Density -62.08 dBm /Hz</p> <p>Channel Power 10.35 dBm / 17.51 MHz</p>	<p>Frequency</p> <p>Center Freq 2.462000000 GHz</p> <p>CF Step 3.502000 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>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>Center 2.422 GHz #Res BW 1 MHz</p> <p>Power Spectral Density -65.14 dBm /Hz</p> <p>Channel Power 10.40 dBm / 35.83 MHz</p>	<p>Frequency</p> <p>Center Freq 2.422000000 GHz</p> <p>CF Step 7.166200 MHz</p> <p>Freq Offset 0 Hz</p>

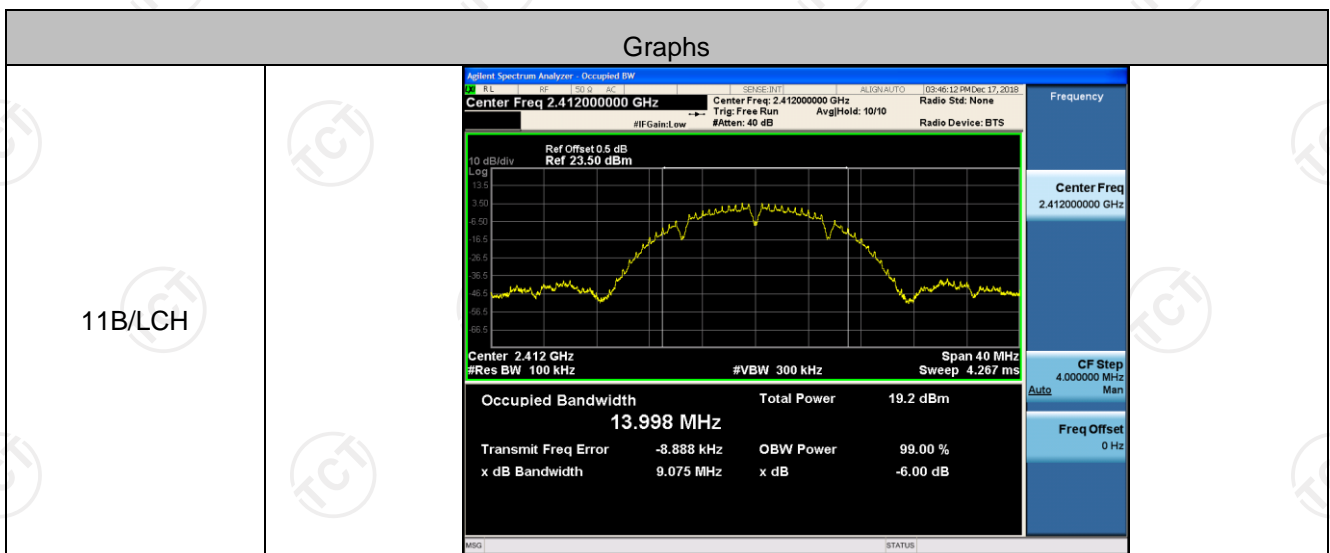
<p>11N40SISO/MCH</p>		<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 7.162400 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11N40SISO/HCH</p>		<p>Frequency</p> <p>Center Freq 2.45200000 GHz</p> <p>CF Step 7.161000 MHz</p> <p>Freq Offset 0 Hz</p>

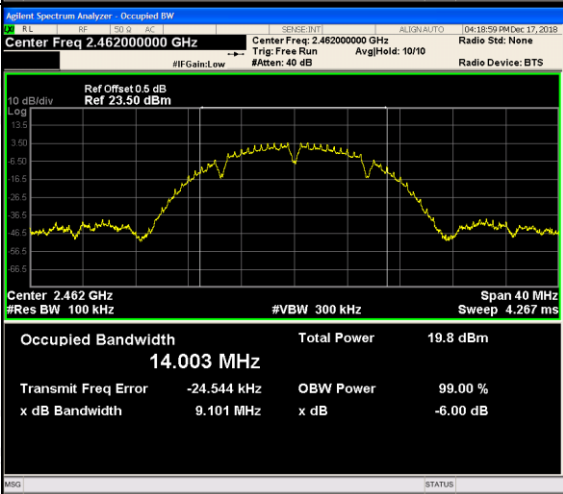
### 6dB Occupied Bandwidth

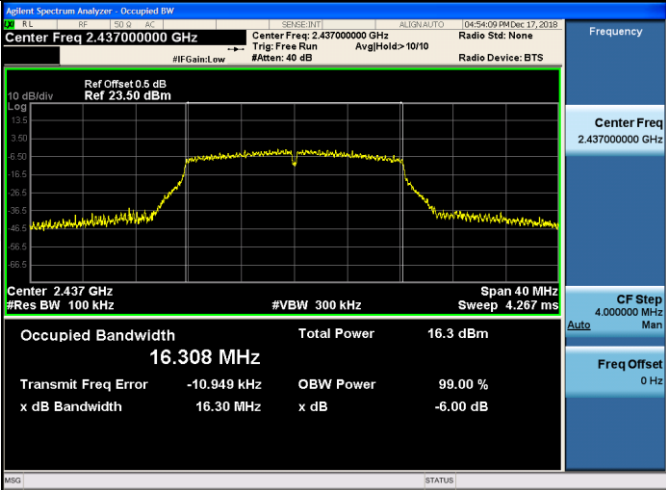
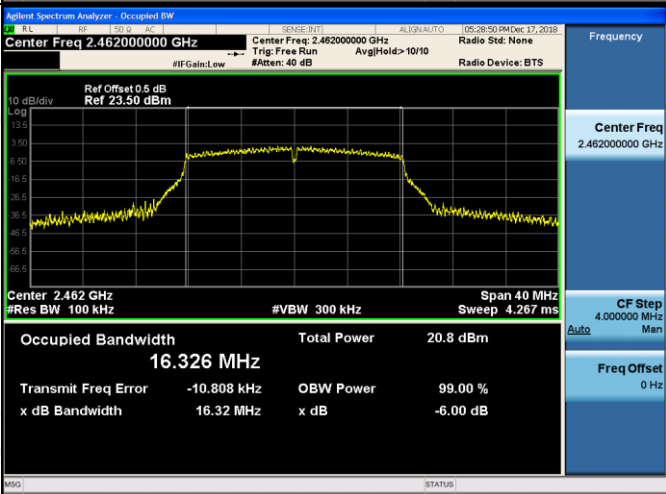
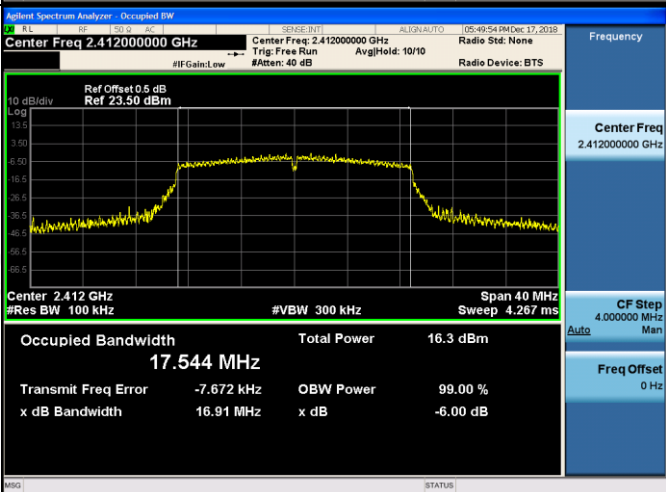
#### Result Table

Mode	Channel	6dB Bandwidth [MHz]	99% OBW [MHz]	Verdict
11B	LCH	9.075	13.998	PASS
11B	MCH	9.021	13.967	PASS
11B	HCH	9.101	14.003	PASS
11G	LCH	16.30	16.312	PASS
11G	MCH	16.30	16.308	PASS
11G	HCH	16.32	16.326	PASS
11N20SISO	LCH	16.91	17.544	PASS
11N20SISO	MCH	16.92	17.526	PASS
11N20SISO	HCH	17.53	17.510	PASS
11N40SISO	LCH	35.67	35.831	PASS
11N40SISO	MCH	35.05	35.812	PASS
11N40SISO	HCH	33.18	35.805	PASS

#### Test Graph



<p>11B/MCH</p>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.437000000 GHz</p> <p>Occupied Bandwidth: 13.967 MHz</p> <p>Total Power: 19.8 dBm</p> <p>Transmit Freq Error: -26.608 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 9.021 MHz</p> <p>x dB: -6.00 dB</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>11B/HCH</p>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.462000000 GHz</p> <p>Occupied Bandwidth: 14.003 MHz</p> <p>Total Power: 19.8 dBm</p> <p>Transmit Freq Error: -24.544 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 9.101 MHz</p> <p>x dB: -6.00 dB</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>11G/LCH</p>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.412000000 GHz</p> <p>Occupied Bandwidth: 16.312 MHz</p> <p>Total Power: 17.4 dBm</p> <p>Transmit Freq Error: -1.934 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 16.30 MHz</p> <p>x dB: -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.412000000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p>

<p>11G/MCH</p>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.437000000 GHz</p> <p>Occupied Bandwidth: 16.308 MHz</p> <p>Total Power: 16.3 dBm</p> <p>Transmit Freq Error: -10.949 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 16.30 MHz</p> <p>x dB: -6.00 dB</p>
<p>11G/HCH</p>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.462000000 GHz</p> <p>Occupied Bandwidth: 16.326 MHz</p> <p>Total Power: 20.8 dBm</p> <p>Transmit Freq Error: -10.808 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 16.32 MHz</p> <p>x dB: -6.00 dB</p>
<p>11N20SISO/LCH</p>	 <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.412000000 GHz</p> <p>Occupied Bandwidth: 17.544 MHz</p> <p>Total Power: 16.3 dBm</p> <p>Transmit Freq Error: -7.672 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 16.91 MHz</p> <p>x dB: -6.00 dB</p>

<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.437000000 GHz Center Freq: 2.437000000 GHz Trig: Free Run #Atten: 40 dB Avg/Hold: 10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4.267 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>16.8 dBm</td> </tr> <tr> <td>17.526 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-11.106 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td>16.92 MHz</td> <td></td> </tr> </table>	Occupied Bandwidth	Total Power	16.8 dBm	17.526 MHz			Transmit Freq Error	OBW Power	99.00 %	-11.106 kHz	x dB	-6.00 dB	x dB Bandwidth	16.92 MHz		<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Occupied Bandwidth	Total Power	16.8 dBm															
17.526 MHz																	
Transmit Freq Error	OBW Power	99.00 %															
-11.106 kHz	x dB	-6.00 dB															
x dB Bandwidth	16.92 MHz																
<p>11N20SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.462000000 GHz Center Freq: 2.462000000 GHz Trig: Free Run #Atten: 40 dB Avg/Hold: 10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4.267 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>16.8 dBm</td> </tr> <tr> <td>17.510 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>-11.912 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td>17.53 MHz</td> <td></td> </tr> </table>	Occupied Bandwidth	Total Power	16.8 dBm	17.510 MHz			Transmit Freq Error	OBW Power	99.00 %	-11.912 kHz	x dB	-6.00 dB	x dB Bandwidth	17.53 MHz		<p>Frequency</p> <p>Center Freq 2.462000000 GHz</p> <p>CF Step 4.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Occupied Bandwidth	Total Power	16.8 dBm															
17.510 MHz																	
Transmit Freq Error	OBW Power	99.00 %															
-11.912 kHz	x dB	-6.00 dB															
x dB Bandwidth	17.53 MHz																
<p>11N40SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.422000000 GHz Center Freq: 2.422000000 GHz Trig: Free Run #Atten: 40 dB Avg/Hold: 10/10 Radio Std: None Radio Device: BTS</p> <p>Ref Offset 0.5 dB Ref 23.50 dBm</p> <p>Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 8 ms</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>18.4 dBm</td> </tr> <tr> <td>35.831 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>12.548 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> <tr> <td>x dB Bandwidth</td> <td>35.67 MHz</td> <td></td> </tr> </table>	Occupied Bandwidth	Total Power	18.4 dBm	35.831 MHz			Transmit Freq Error	OBW Power	99.00 %	12.548 kHz	x dB	-6.00 dB	x dB Bandwidth	35.67 MHz		<p>Frequency</p> <p>Center Freq 2.422000000 GHz</p> <p>CF Step 8.000000 MHz</p> <p>Freq Offset 0 Hz</p>
Occupied Bandwidth	Total Power	18.4 dBm															
35.831 MHz																	
Transmit Freq Error	OBW Power	99.00 %															
12.548 kHz	x dB	-6.00 dB															
x dB Bandwidth	35.67 MHz																



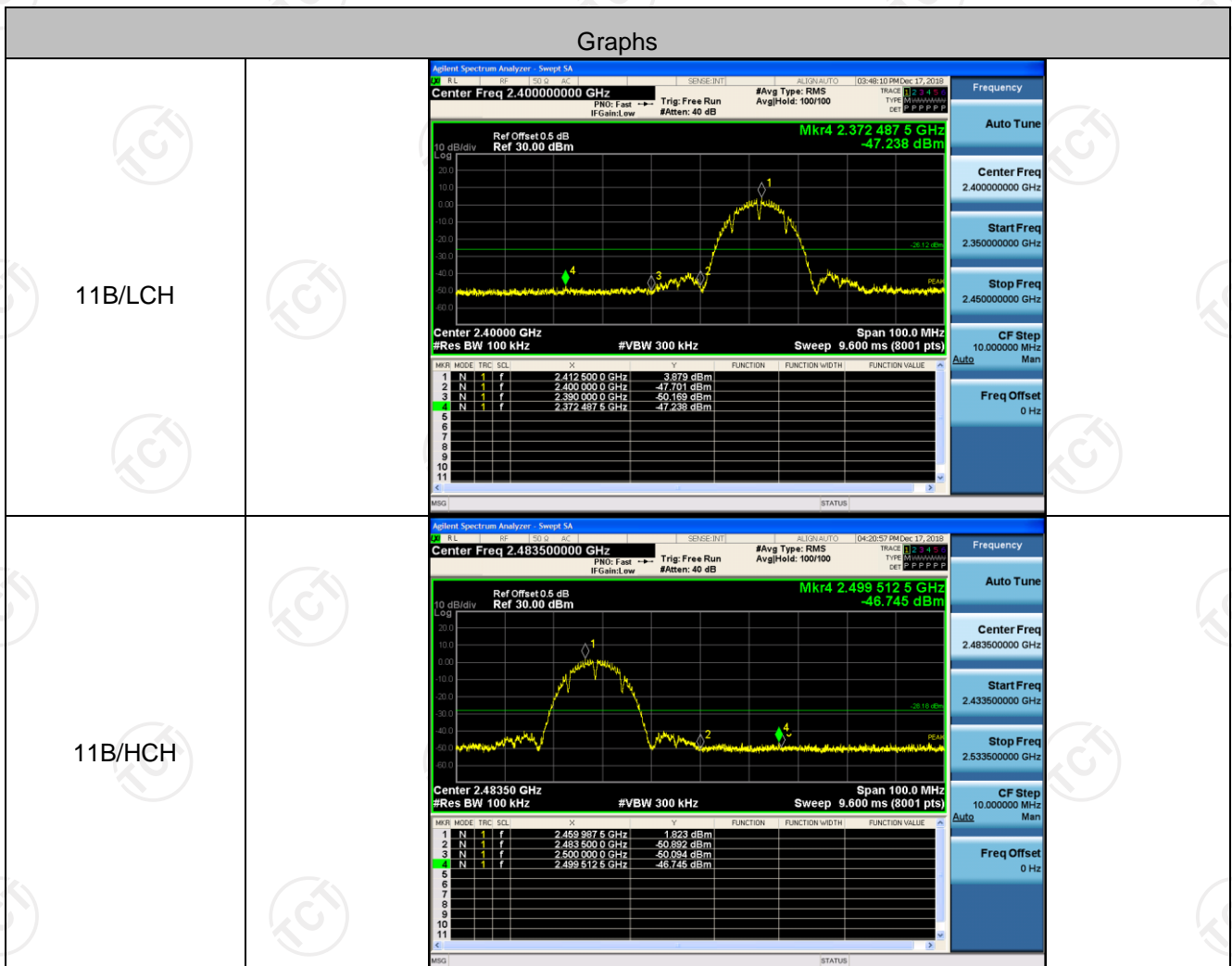
<p>11N40SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.437000000 GHz</p> <p>Center Freq: 2.437000000 GHz</p> <p>Occupied Bandwidth: 35.812 MHz</p> <p>Total Power: 17.2 dBm</p> <p>Transmit Freq Error: -930 Hz</p> <p>x dB Bandwidth: 35.05 MHz</p>	<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 8.000000 MHz</p> <p>Freq Offset 0 Hz</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: 35.805 MHz</p> <p>Total Power: 16.7 dBm</p> <p>Transmit Freq Error: -18.858 kHz</p> <p>x dB Bandwidth: 33.18 MHz</p>	<p>Frequency</p> <p>Center Freq 2.45200000 GHz</p> <p>CF Step 8.000000 MHz</p> <p>Freq Offset 0 Hz</p>

## Band-edge for RF Conducted Emissions

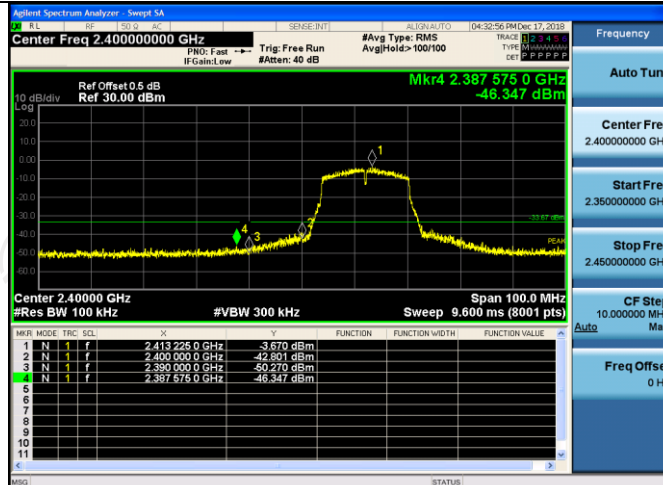
### Result Table

Mode	Channel	Carrier Power [dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	3.879	-47.238	-26.12	PASS
11B	HCH	1.823	-46.745	-28.18	PASS
11G	LCH	-3.670	-46.347	-33.67	PASS
11G	HCH	-3.721	-43.847	-33.72	PASS
11N20SISO	LCH	-2.527	-42.467	-32.53	PASS
11N20SISO	HCH	-2.823	-43.725	-32.82	PASS
11N40SISO	LCH	-5.256	-40.248	-35.26	PASS
11N40SISO	HCH	-7.782	-41.770	-37.78	PASS

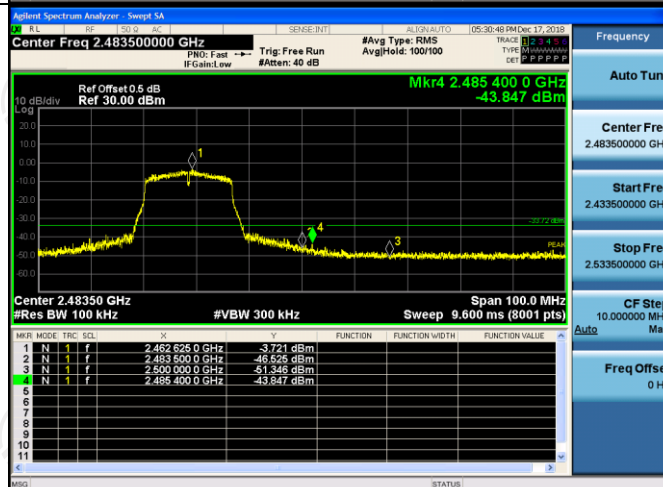
### Test Graph



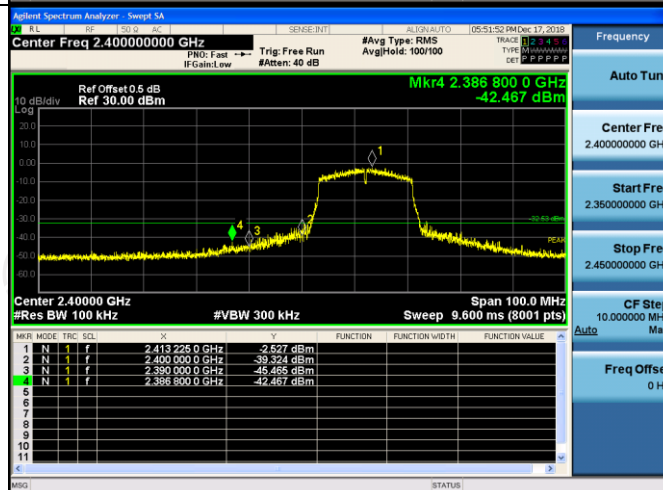
11G/LCH

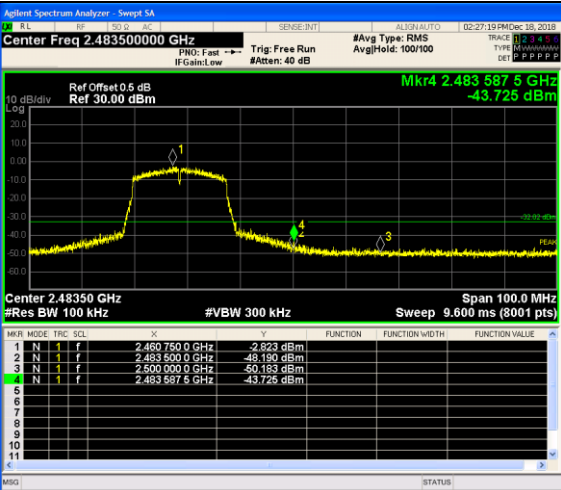
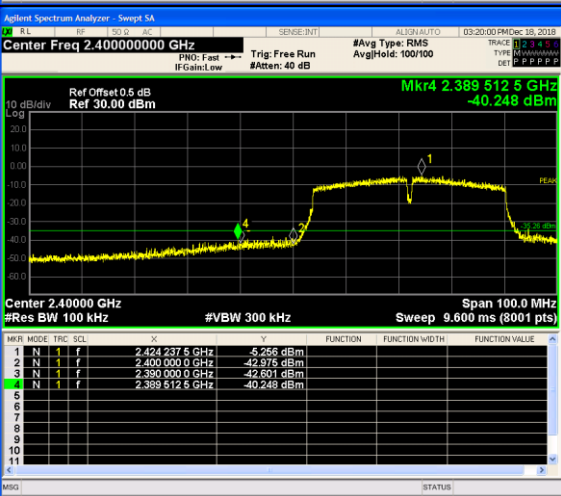



11G/HCH



11N20SISO/LCH



<p>11N20SISO/HCH</p>		<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>
<p>11N40SISO/LCH</p>		<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>
<p>11N40SISO/HCH</p>		<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>

### RF Conducted Spurious Emissions

#### Result Table

Mode	Channel	Pref [dBm]	Puw [dBm]	Verdict
11B	LCH	3.068	<Limit	PASS
11B	MCH	2.477	<Limit	PASS
11B	HCH	1.291	<Limit	PASS
11G	LCH	-4.174	<Limit	PASS
11G	MCH	-2.456	<Limit	PASS
11G	HCH	-4.505	<Limit	PASS
11N20SISO	LCH	-1.541	<Limit	PASS
11N20SISO	MCH	-1.819	<Limit	PASS
11N20SISO	HCH	-2.807	<Limit	PASS
11N40SISO	LCH	-5.417	<Limit	PASS
11N40SISO	MCH	-6.983	<Limit	PASS
11N40SISO	HCH	-7.458	<Limit	PASS

#### Test Graph

