

## Appendix C

### RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: 14.1 inch laptop

Trade Mark: Hyundai

Test Model: HT14CCIC44EGH

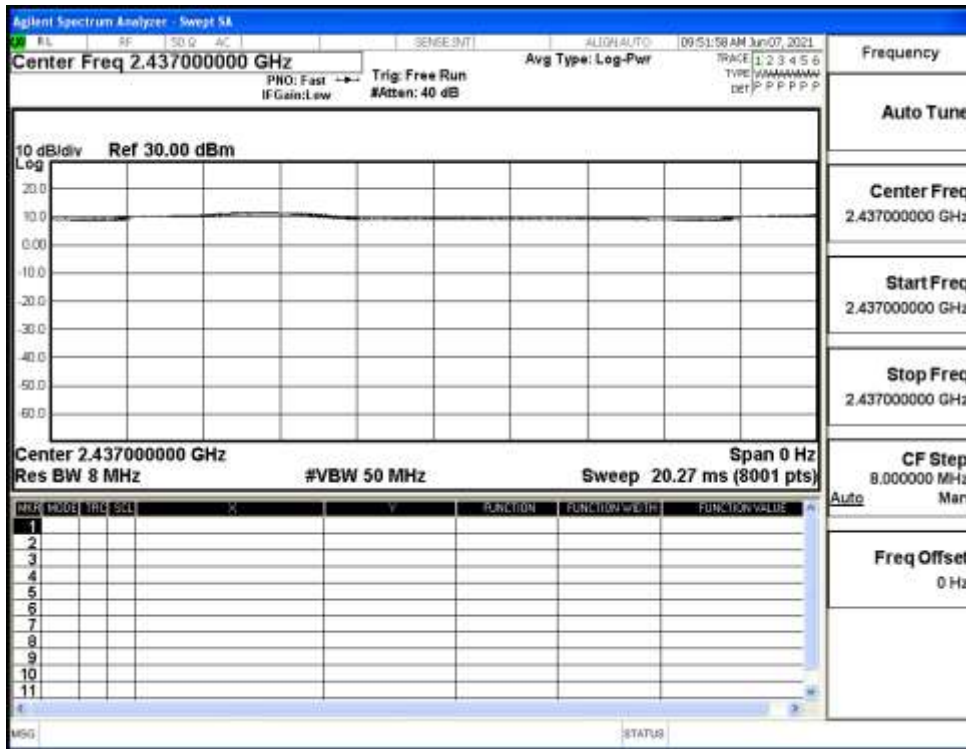
#### Environmental Conditions

Temperature:	25 ° C
Relative Humidity:	50%
ATM Pressure:	100.0 kPa
Test Engineer:	Kay Hu
Supervised by:	Li Huan

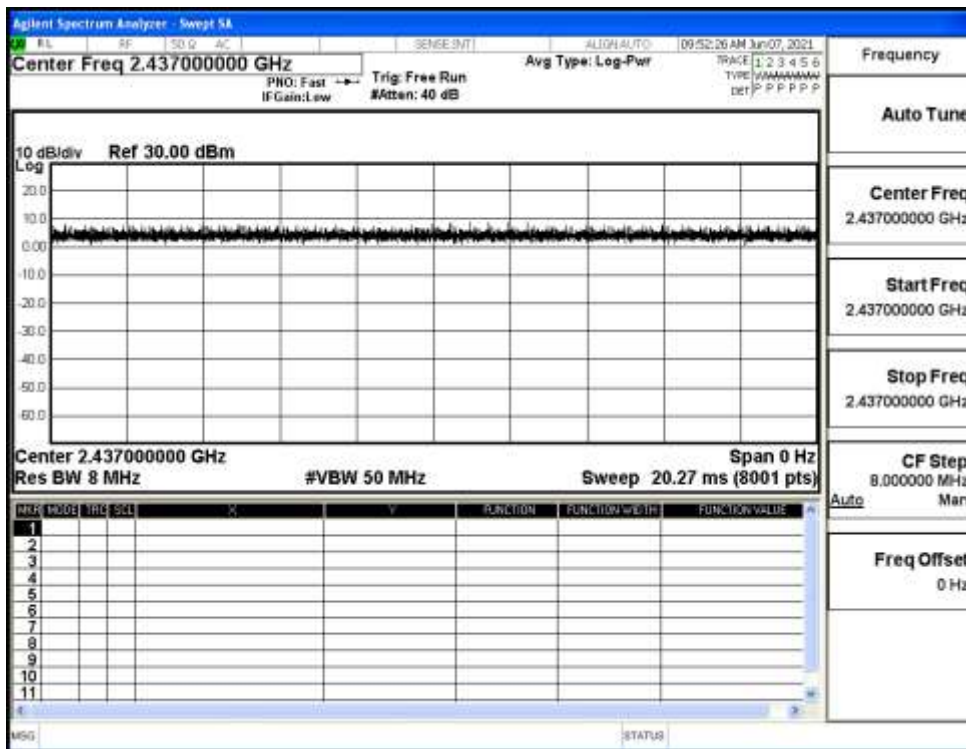
#### C.1 Duty Cycle

Test Mode	Test Channel	Ant	Duty Cycle[%]	Verdict
11B	2437	Ant1	100	PASS
11G	2437	Ant1	100	PASS
11N20SISO	2437	Ant1	100	PASS
11N40SISO	2437	Ant1	100	PASS

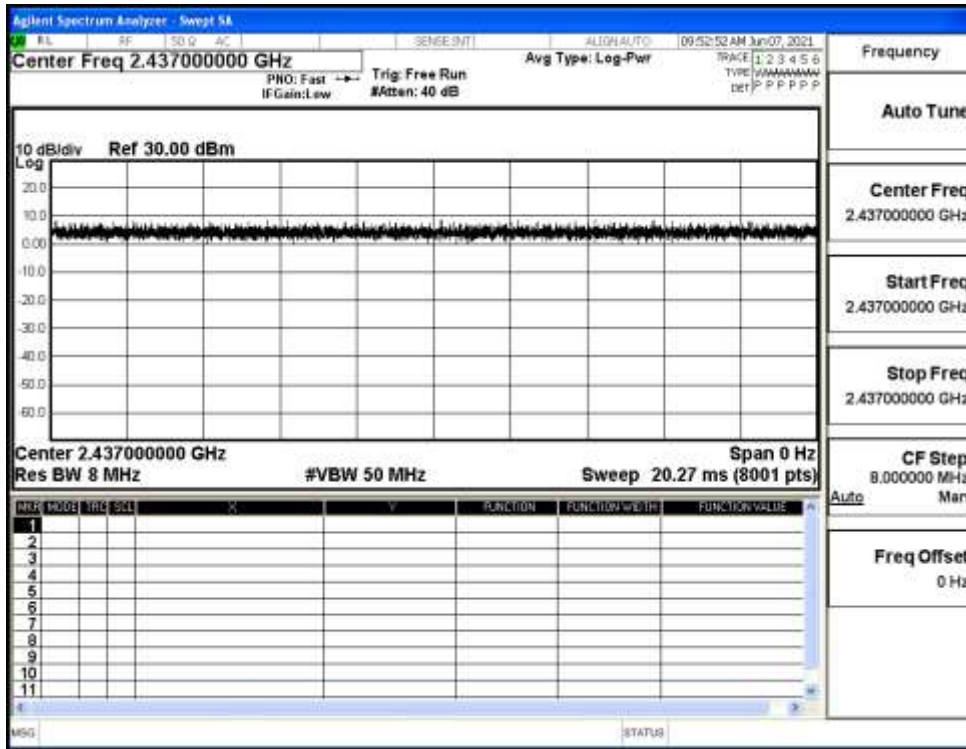
Duty Cycle\_11B\_2437\_Ant1



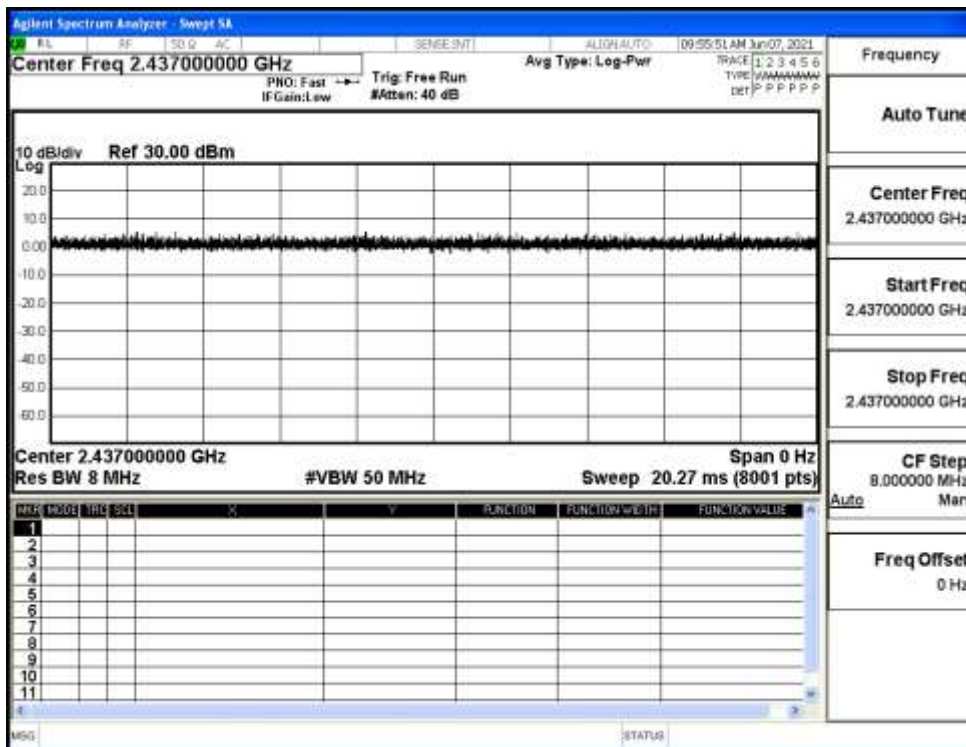
Duty Cycle\_11G\_2437\_Ant1



Duty Cycle\_11N20SISO\_2437\_Ant1



Duty Cycle\_11N40SISO\_2437\_Ant1

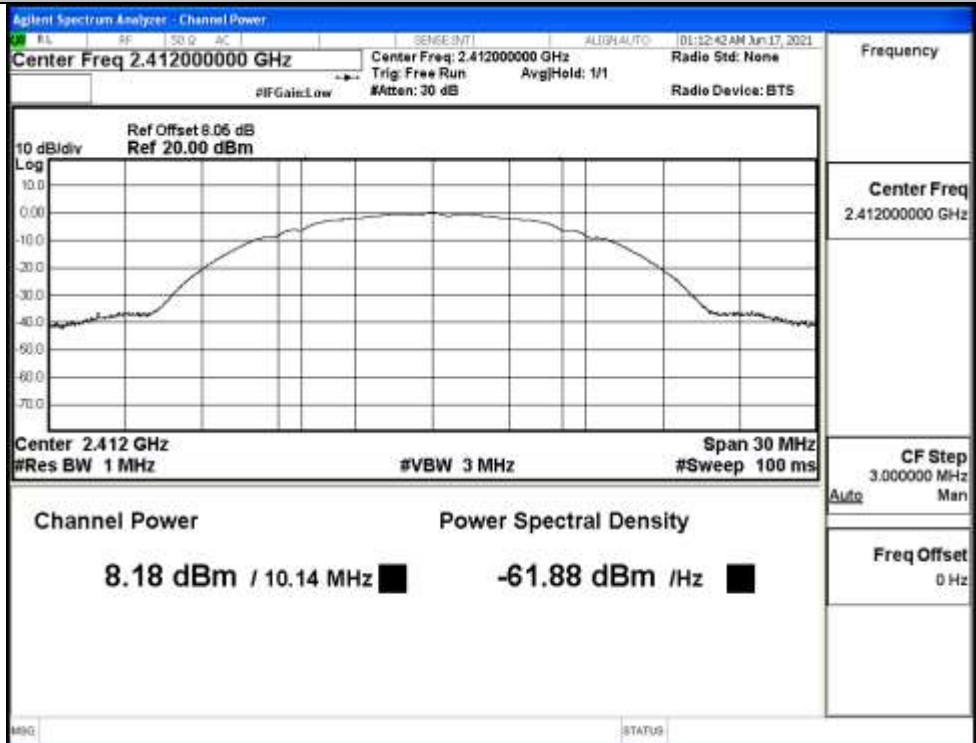


## C.2 Maximum Conducted Output Power

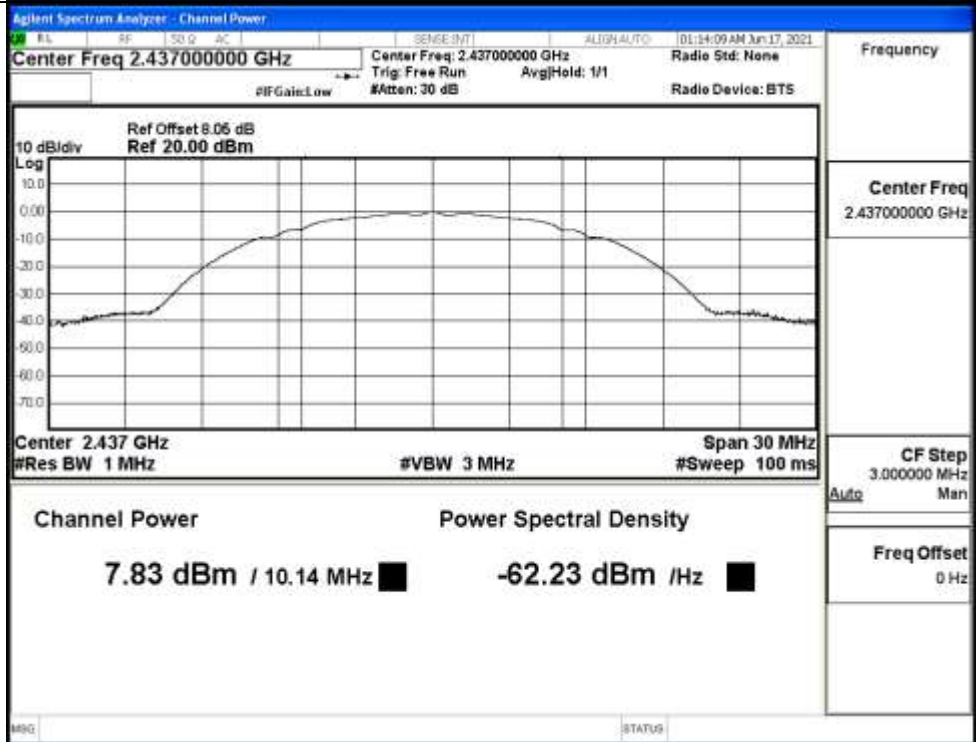
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	8.18	30	PASS
	MCH	7.83	30	PASS
	HCH	7.96	30	PASS
11G	LCH	7.59	30	PASS
	MCH	8.17	30	PASS
	HCH	7.73	30	PASS
11N20SISO	LCH	8.72	30	PASS
	MCH	8.35	30	PASS
	HCH	7.95	30	PASS
11N40SISO	LCH	8.78	30	PASS
	MCH	8.58	30	PASS
	HCH	8.33	30	PASS

Test Graphs

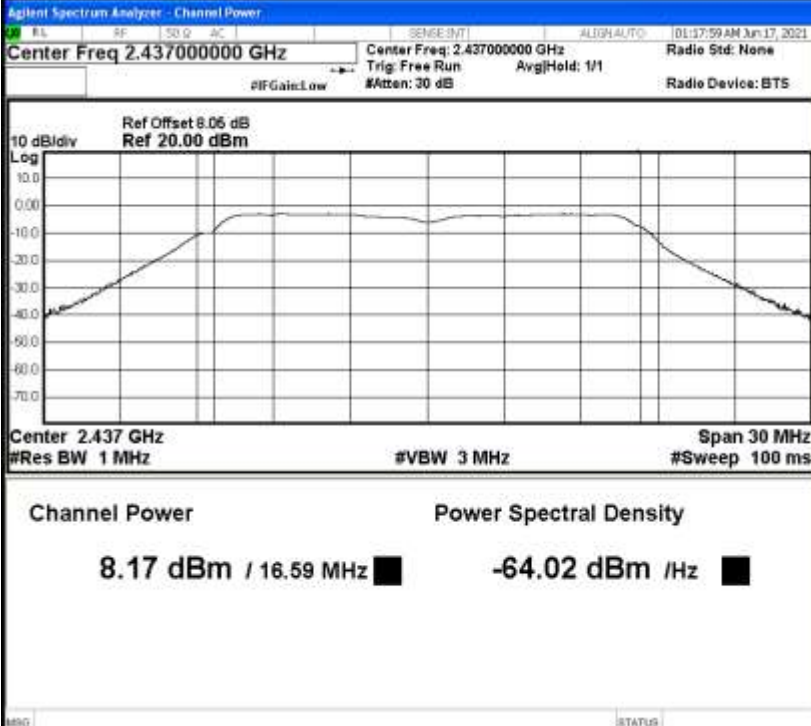
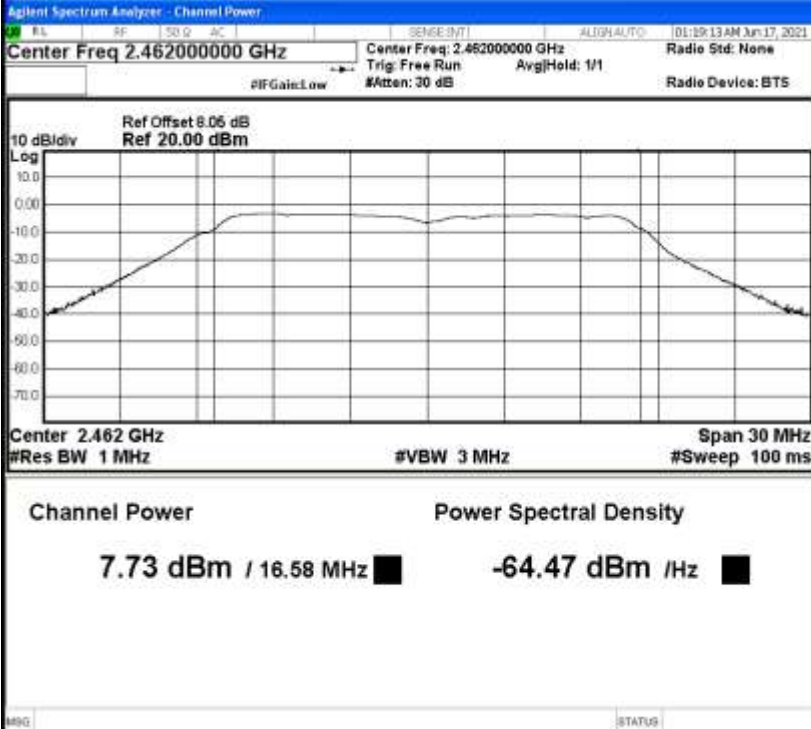
11B/LCH



11B/MCH



<p>11B/HCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.46200000 GHz</p> <p>Center Freq: 2.46200000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Log Ref Offset 8.06 dB Ref 20.00 dBm</p> <p>Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz #Sweep 100 ms</p> <p>Channel Power 7.96 dBm / 10.13 MHz</p> <p>Power Spectral Density -62.10 dBm /Hz</p>	<p>Frequency</p> <p>Center Freq 2.46200000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11G/LCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.41200000 GHz</p> <p>Center Freq: 2.41200000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Log Ref Offset 8.06 dB Ref 20.00 dBm</p> <p>Center 2.412 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz #Sweep 100 ms</p> <p>Channel Power 7.59 dBm / 16.59 MHz</p> <p>Power Spectral Density -64.61 dBm /Hz</p>	<p>Frequency</p> <p>Center Freq 2.41200000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</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>Center Freq: 2.437000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Log Ref Offset 8.06 dB Ref 20.00 dBm</p> <p>Center 2.437 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz #Sweep 100 ms</p> <p>Channel Power 8.17 dBm / 16.59 MHz</p> <p>Power Spectral Density -64.02 dBm / Hz</p> <p>Frequency 2.437000000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</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>Center Freq: 2.462000000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Log Ref Offset 8.06 dB Ref 20.00 dBm</p> <p>Center 2.462 GHz #Res BW 1 MHz #VBW 3 MHz Span 30 MHz #Sweep 100 ms</p> <p>Channel Power 7.73 dBm / 16.58 MHz</p> <p>Power Spectral Density -64.47 dBm / Hz</p> <p>Frequency 2.462000000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>



<p>11N20SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.41200000 GHz</p> <p>Channel Power: 8.72 dBm / 17.75 MHz</p> <p>Power Spectral Density: -63.78 dBm /Hz</p> <p>Center 2.412 GHz</p> <p>#Res BW 1 MHz</p> <p>#VBW 3 MHz</p> <p>Span 30 MHz</p> <p>#Sweep 100 ms</p>	<p>Frequency</p> <p>Center Freq 2.41200000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.43700000 GHz</p> <p>Channel Power: 8.35 dBm / 17.76 MHz</p> <p>Power Spectral Density: -64.14 dBm /Hz</p> <p>Center 2.437 GHz</p> <p>#Res BW 1 MHz</p> <p>#VBW 3 MHz</p> <p>Span 30 MHz</p> <p>#Sweep 100 ms</p>	<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 3.000000 MHz</p> <p>Freq Offset 0 Hz</p>



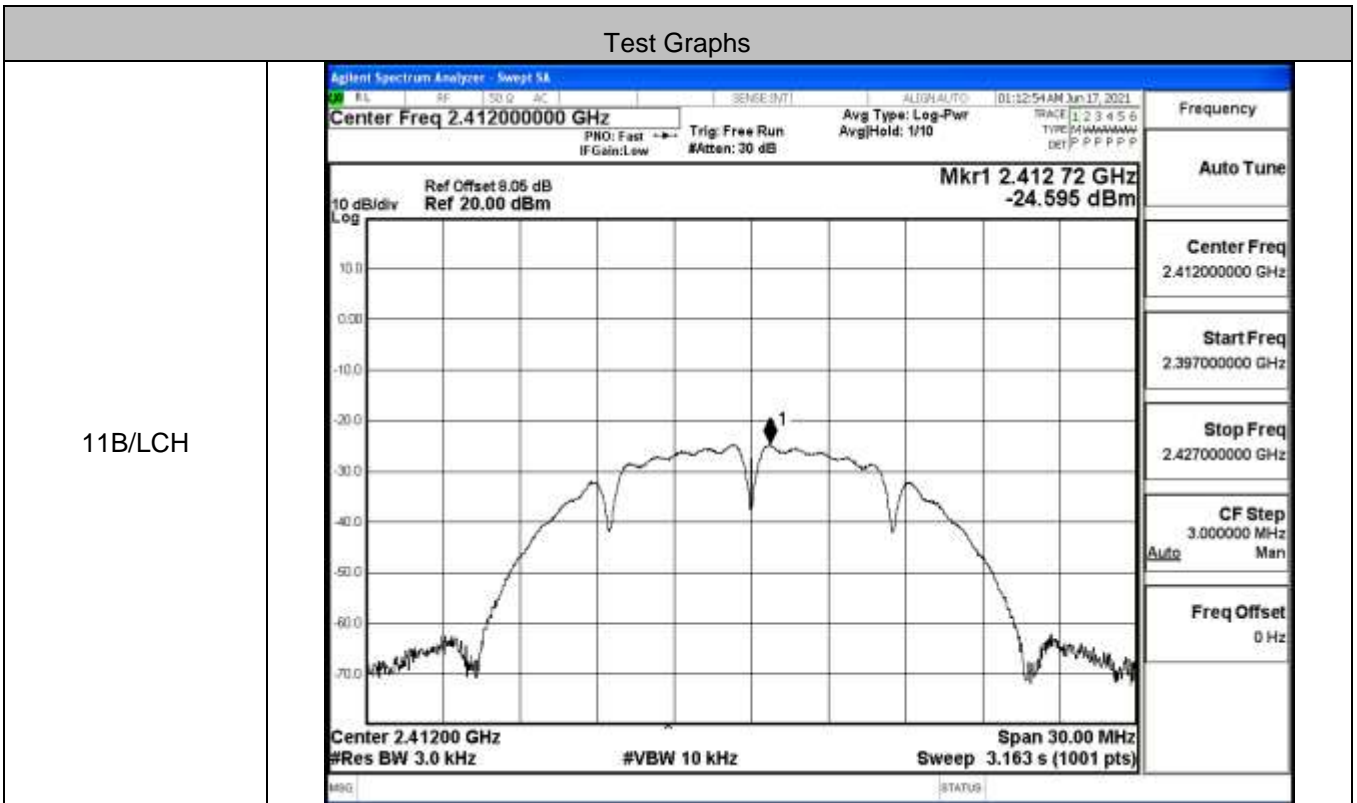
<p>11N20SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.462000000 GHz</p> <p>Channel Power: 7.95 dBm / 17.75 MHz</p> <p>Power Spectral Density: -64.54 dBm /Hz</p> <p>Center 2.462 GHz</p> <p>#Res BW 1 MHz</p> <p>#VBW 3 MHz</p> <p>Span 30 MHz</p> <p>#Sweep 100 ms</p>	<p>Frequency</p> <p>Center Freq 2.462000000 GHz</p> <p>CF Step 3.000000 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>Channel Power: 8.78 dBm / 36.55 MHz</p> <p>Power Spectral Density: -66.84 dBm /Hz</p> <p>Center 2.422 GHz</p> <p>#Res BW 1 MHz</p> <p>#VBW 3 MHz</p> <p>Span 60 MHz</p> <p>#Sweep 100 ms</p>	<p>Frequency</p> <p>Center Freq 2.422000000 GHz</p> <p>CF Step 6.000000 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: 8.58 dBm / 36.55 MHz</p> <p>Power Spectral Density: -67.05 dBm /Hz</p> <p>Center 2.437 GHz, #Res BW 1 MHz, #VBW 3 MHz, Span 60 MHz, #Sweep 100 ms</p>	<p>Frequency</p> <p>Center Freq 2.437000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11N40SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>Center Freq 2.452000000 GHz</p> <p>Channel Power: 8.33 dBm / 36.54 MHz</p> <p>Power Spectral Density: -67.30 dBm /Hz</p> <p>Center 2.452 GHz, #Res BW 1 MHz, #VBW 3 MHz, Span 60 MHz, #Sweep 100 ms</p>	<p>Frequency</p> <p>Center Freq 2.452000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>

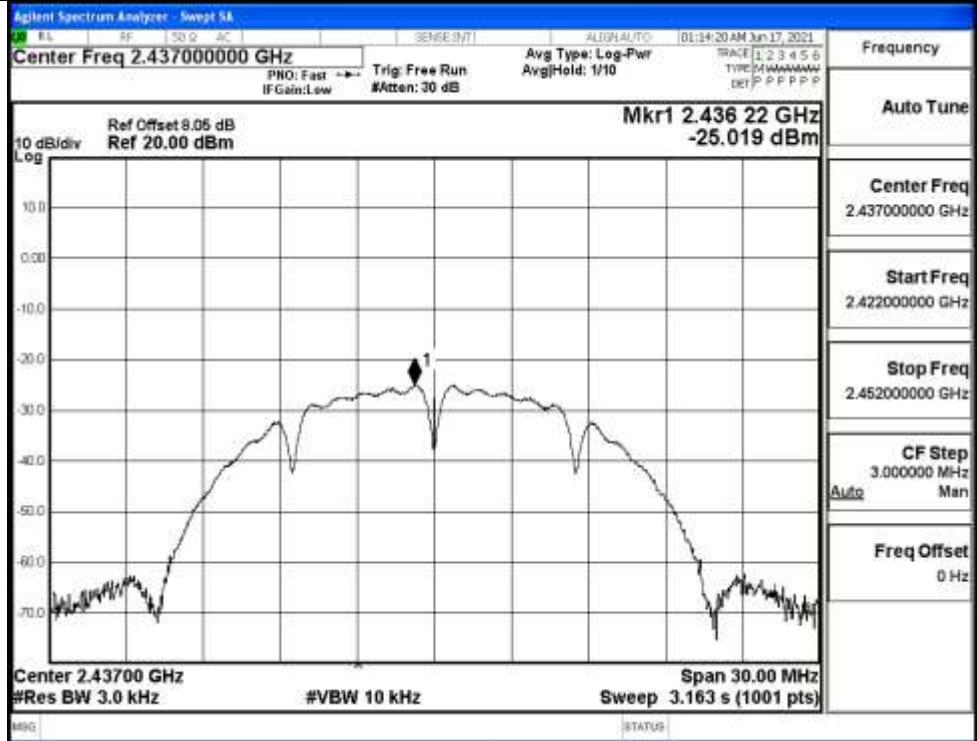
### C.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-24.595	8	PASS
	MCH	-25.019	8	PASS
	HCH	-24.840	8	PASS
11G	LCH	-27.445	8	PASS
	MCH	-27.793	8	PASS
	HCH	-27.600	8	PASS
11N20SISO	LCH	-26.289	8	PASS
	MCH	-27.207	8	PASS
	HCH	-27.410	8	PASS
11N40SISO	LCH	-27.539	8	PASS
	MCH	-27.533	8	PASS
	HCH	-27.883	8	PASS

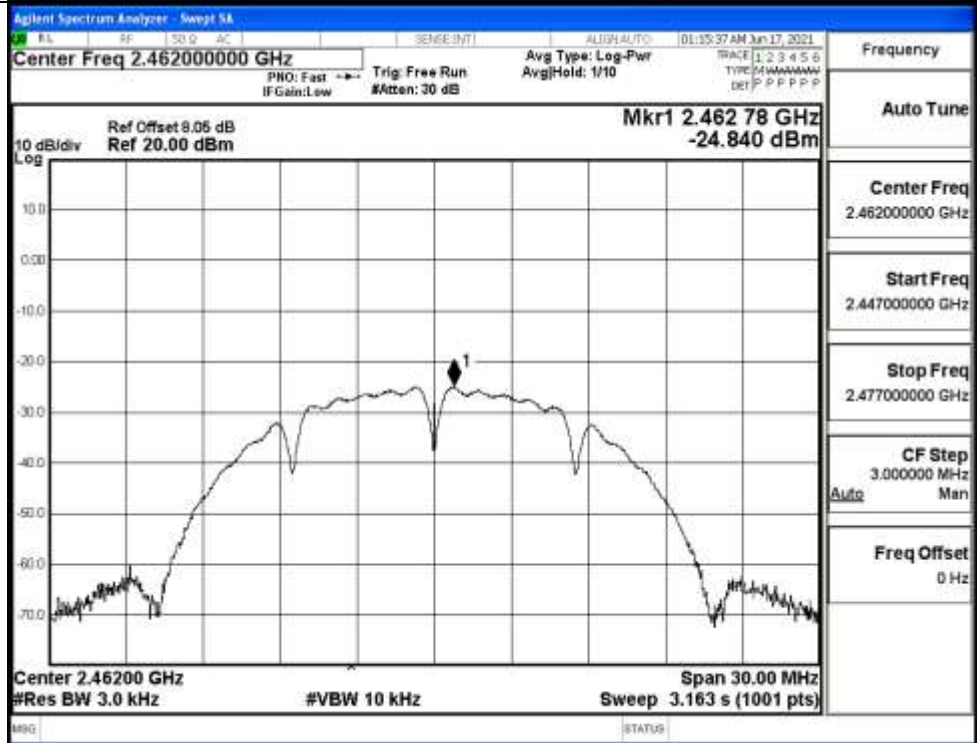
#### Test Graphs



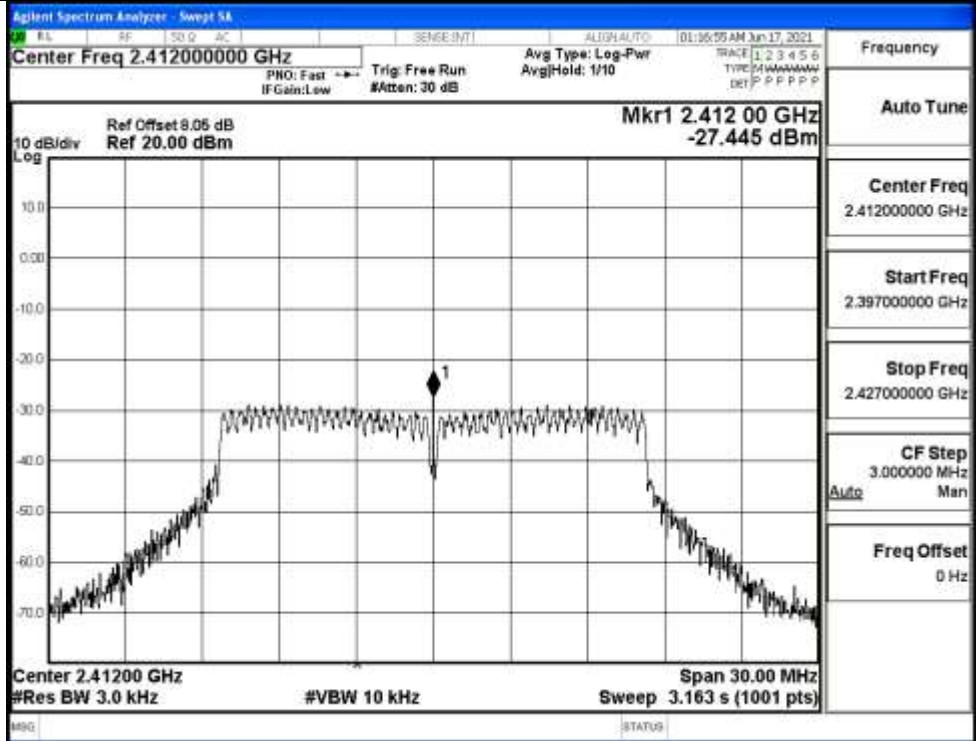
11B/MCH



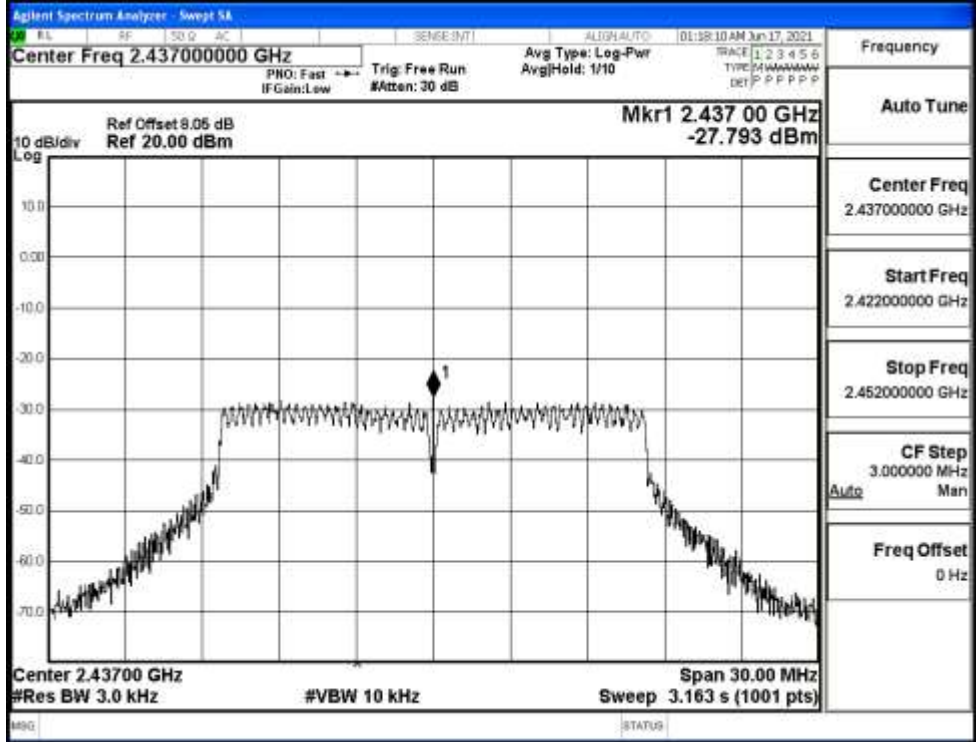
11B/HCH



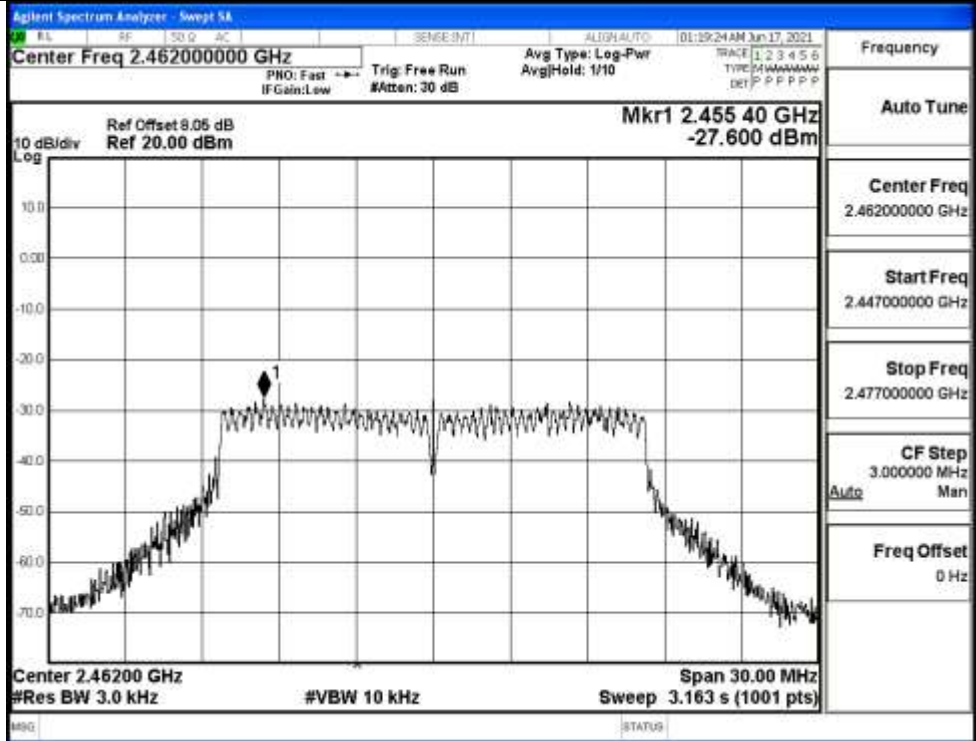
11G/LCH



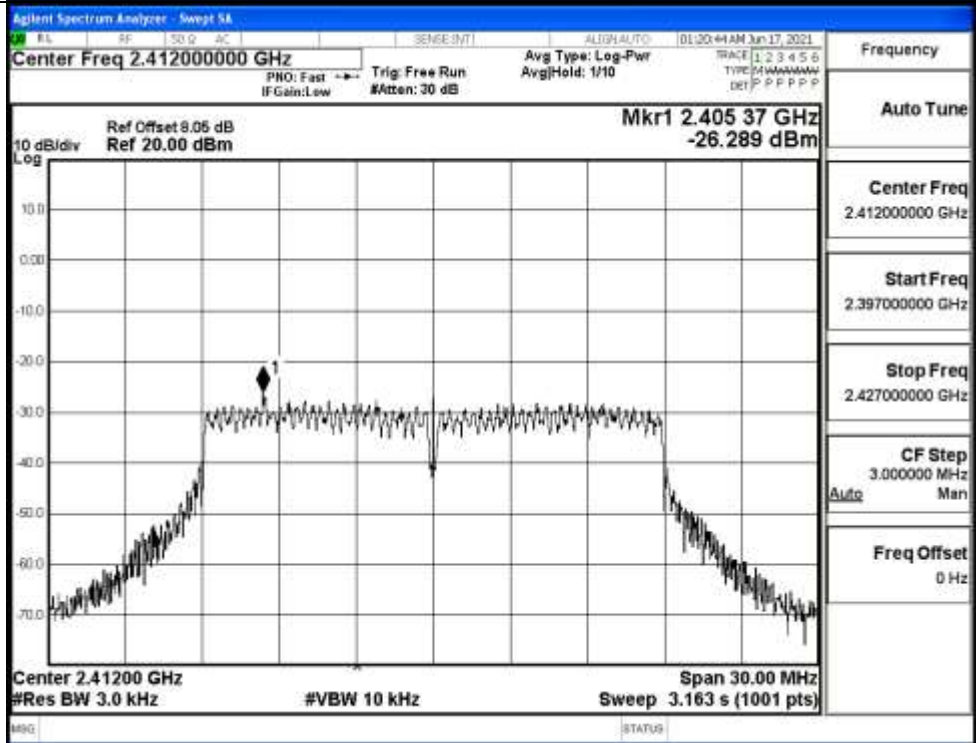
11G/MCH



11G/HCH



11N20SISO/LCH



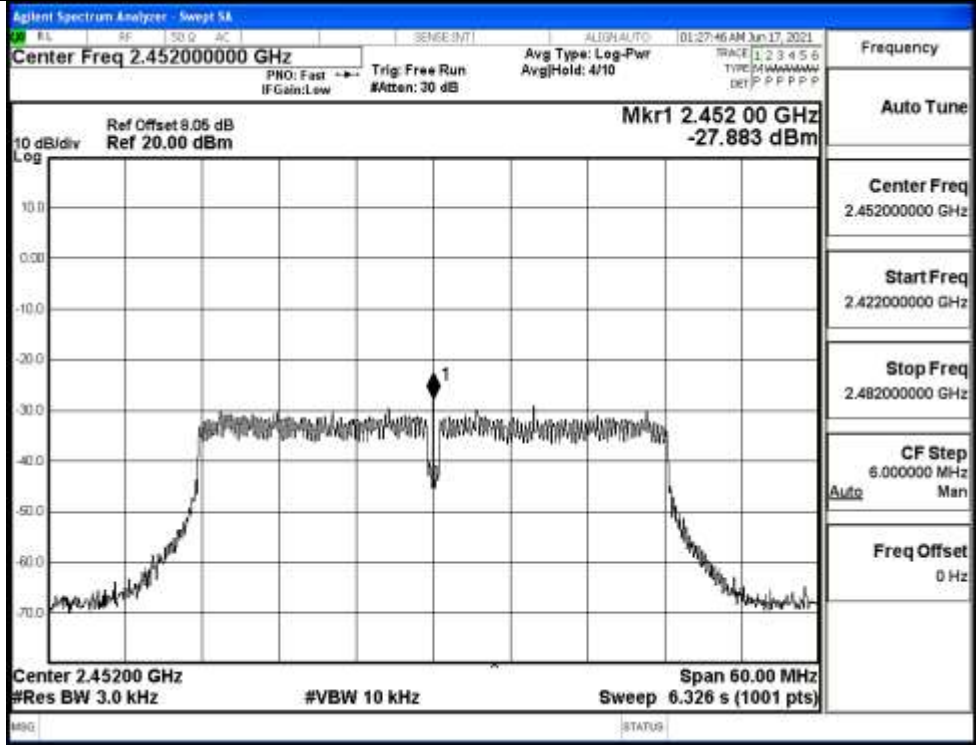


<p>11N20SISO/MCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.422000000 GHz</p> <p>Stop Freq 2.452000000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.462000000 GHz</p> <p>Start Freq 2.447000000 GHz</p> <p>Stop Freq 2.477000000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>



<p>11N40SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.42200000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr1 2.422 00 GHz          -27.539 dBm          10 dB/div          Log          Center 2.42200 GHz          #Res BW 3.0 kHz #VBW 10 kHz          Span 60.00 MHz          Sweep 6.326 s (1001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.42200000 GHz</p> <p>Start Freq 2.392000000 GHz</p> <p>Stop Freq 2.452000000 GHz</p> <p>CF Step 6.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N40SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA          Center Freq 2.437000000 GHz          Ref Offset 8.05 dB          Ref 20.00 dBm          Mkr1 2.437 00 GHz          -27.533 dBm          10 dB/div          Log          Center 2.43700 GHz          #Res BW 3.0 kHz #VBW 10 kHz          Span 60.00 MHz          Sweep 6.326 s (1001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.407000000 GHz</p> <p>Stop Freq 2.467000000 GHz</p> <p>CF Step 6.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>

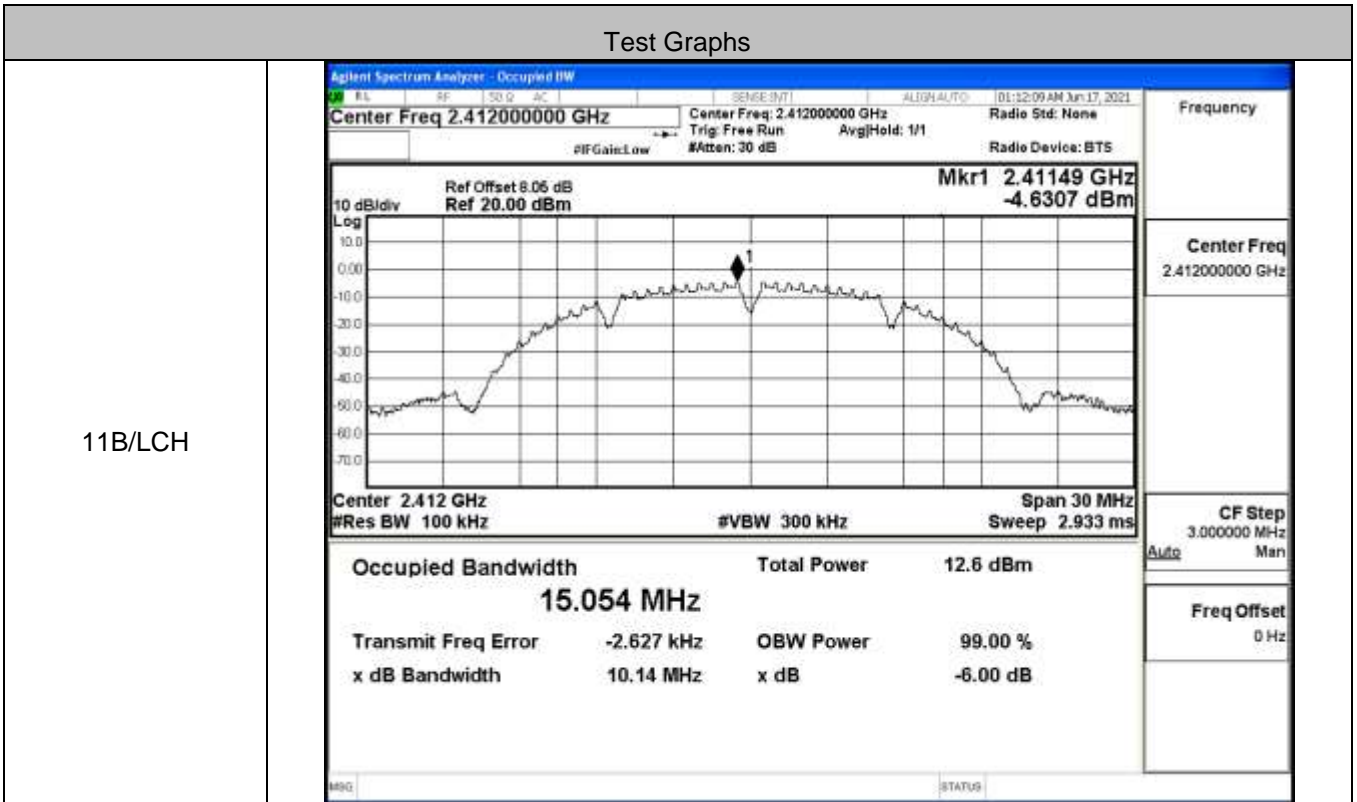
11N40SISO/HCH



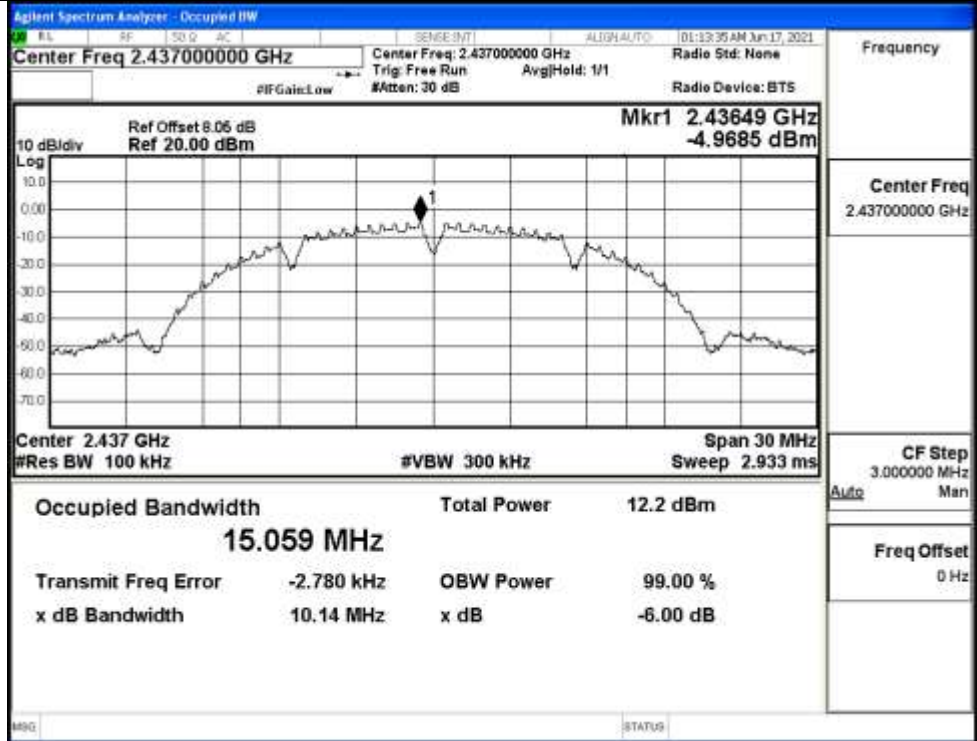
**C.4 6dB Bandwidth**

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	10.14	≥0.5	PASS
	MCH	10.14	≥0.5	PASS
	HCH	10.13	≥0.5	PASS
11G	LCH	16.59	≥0.5	PASS
	MCH	16.59	≥0.5	PASS
	HCH	16.58	≥0.5	PASS
11N20SISO	LCH	17.75	≥0.5	PASS
	MCH	17.76	≥0.5	PASS
	HCH	17.75	≥0.5	PASS
11N40SISO	LCH	36.55	≥0.5	PASS
	MCH	36.55	≥0.5	PASS
	HCH	36.54	≥0.5	PASS

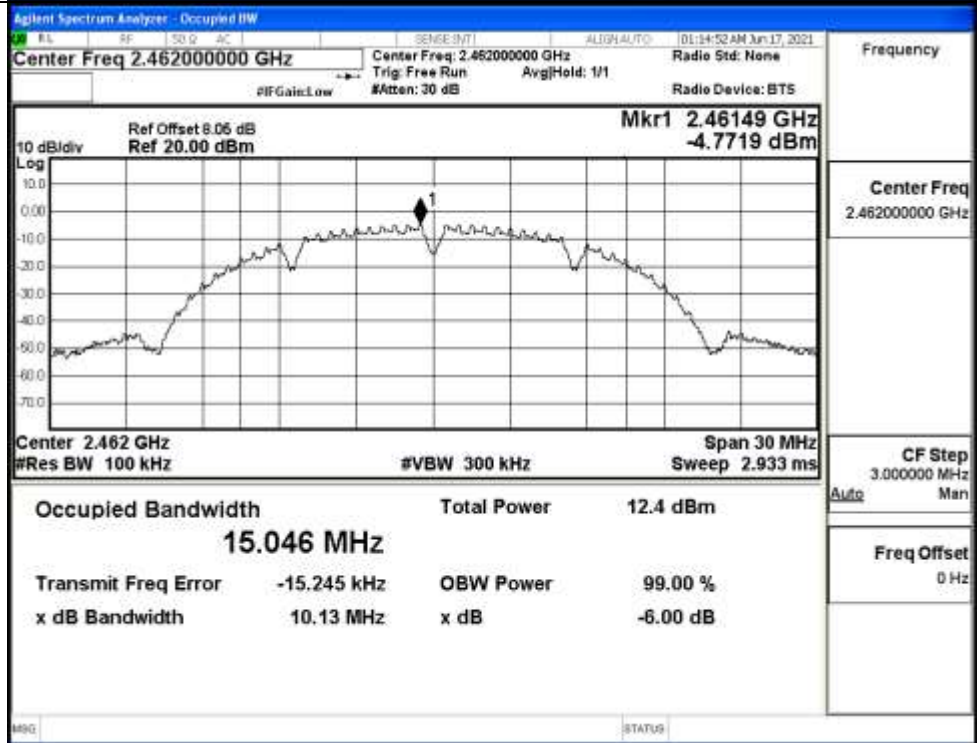
**Test Graphs**



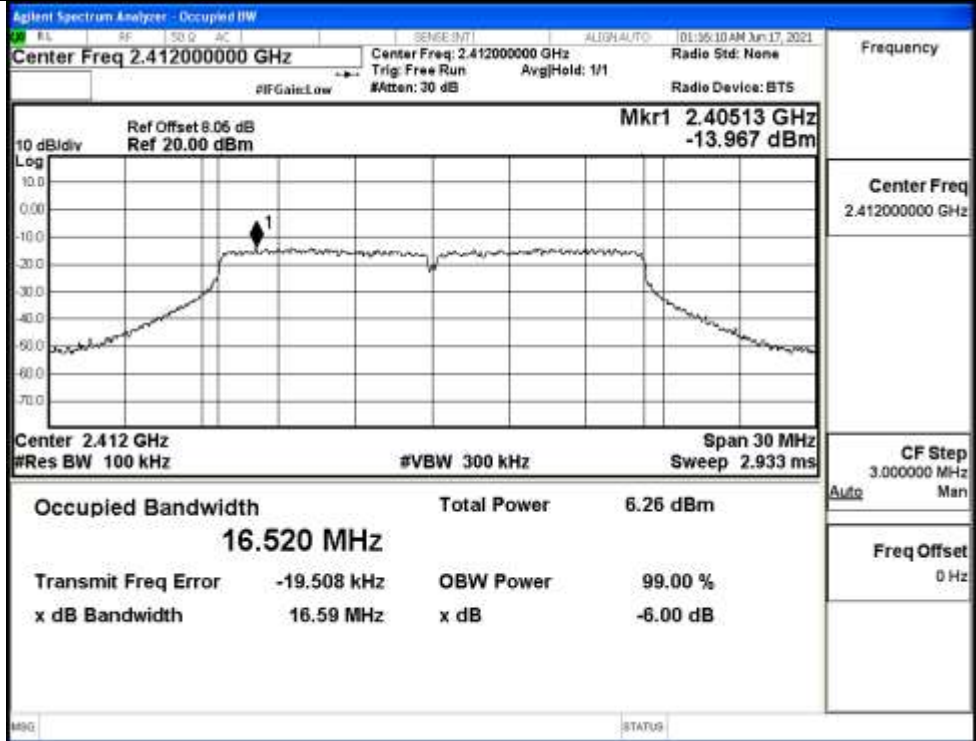
11B/MCH



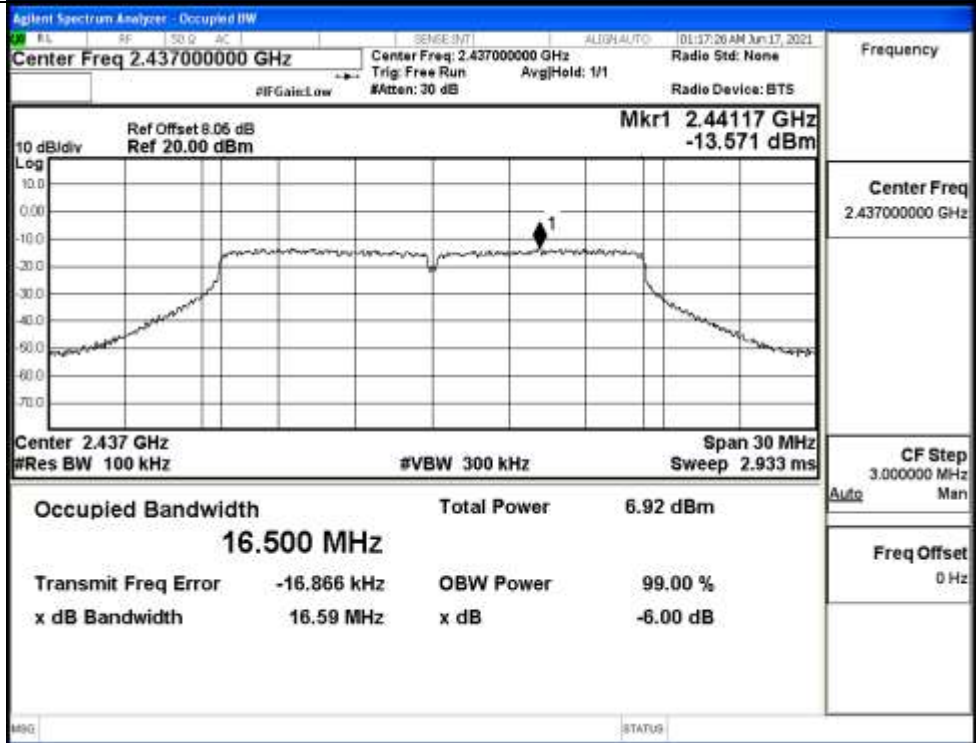
11B/HCH



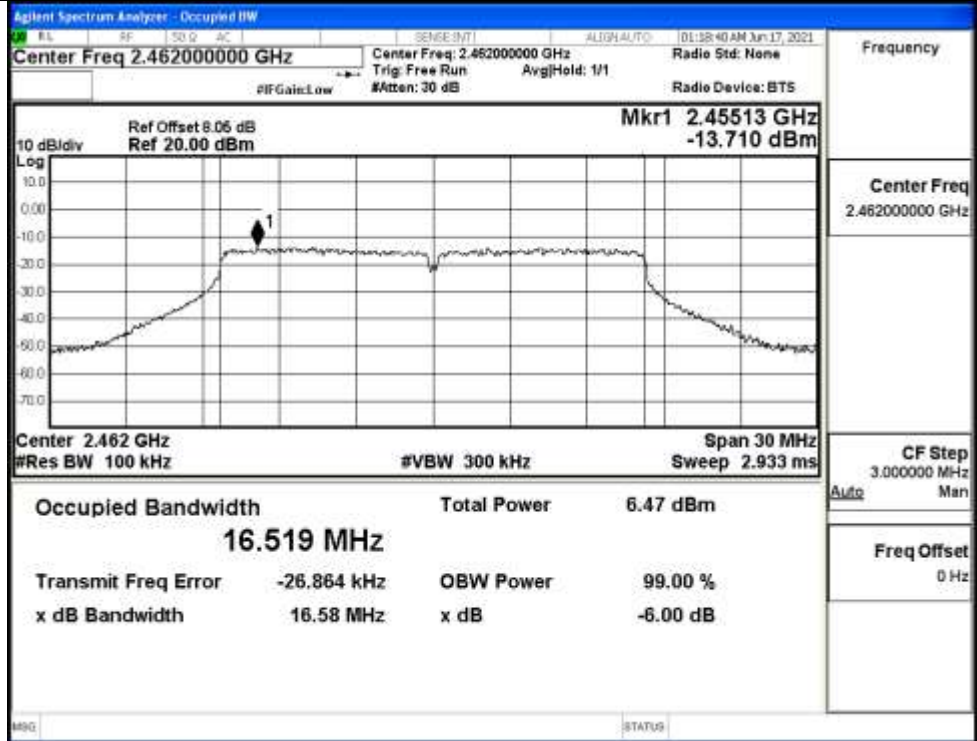
11G/LCH



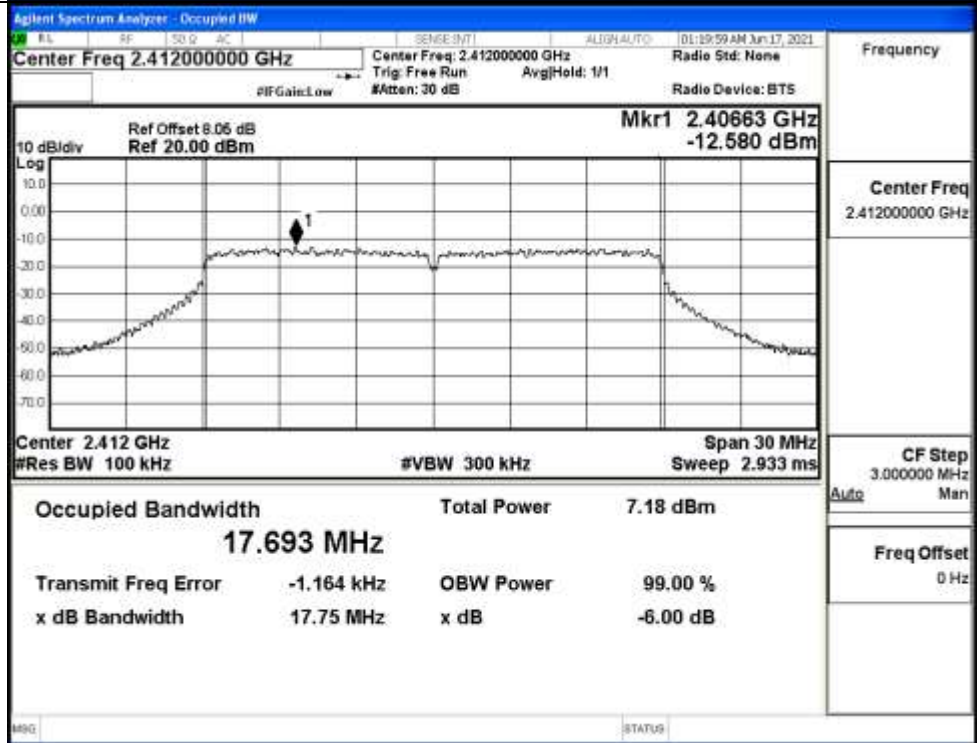
11G/MCH



11G/HCH



11N20SISO/LCH



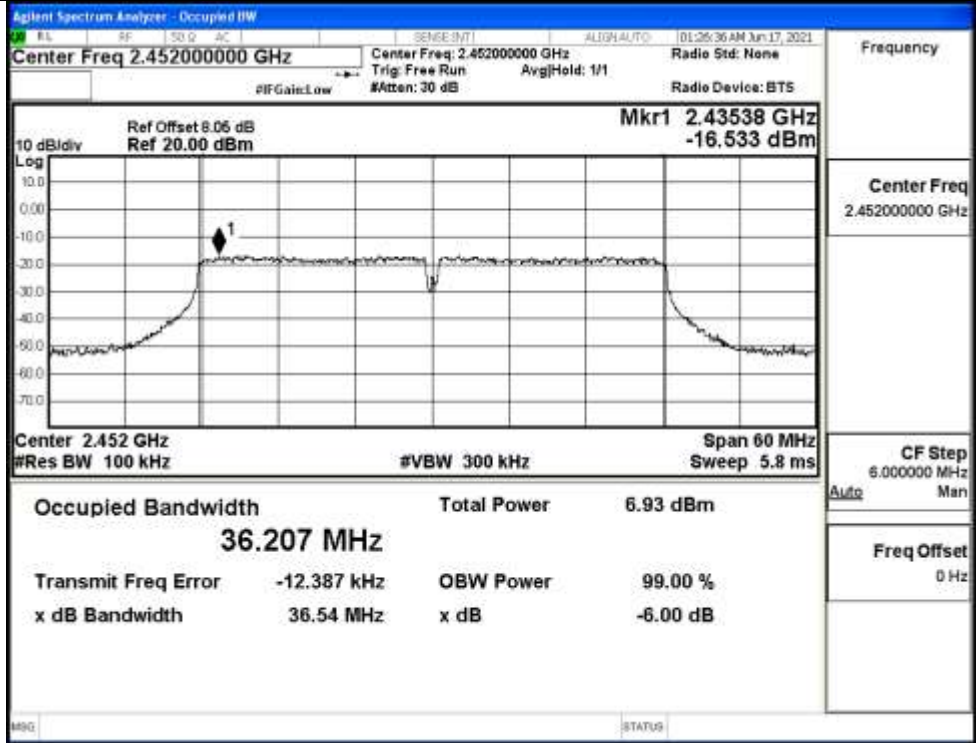


<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Center Freq: 2.43700000 GHz Trig: Free Run #Gain: Low #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.06 dB Ref 20.00 dBm</p> <p>Mkr1 2.43163 GHz -12.940 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.692 MHz Total Power 6.81 dBm</p> <p>Transmit Freq Error 2.284 kHz OBW Power 99.00 % x dB Bandwidth 17.76 MHz x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N20SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.46200000 GHz</p> <p>Center Freq: 2.46200000 GHz Trig: Free Run #Gain: Low #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.06 dB Ref 20.00 dBm</p> <p>Mkr1 2.45663 GHz -13.370 dBm</p> <p>Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 30 MHz Sweep 2.933 ms</p> <p>Occupied Bandwidth 17.695 MHz Total Power 6.39 dBm</p> <p>Transmit Freq Error -7.386 kHz OBW Power 99.00 % x dB Bandwidth 17.75 MHz x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.46200000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>



<p>11N40SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.42200000 GHz</p> <p>Center Freq: 2.42200000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.06 dB Ref 20.00 dBm</p> <p>Mkr1 2.40538 GHz -16.041 dBm</p> <p>Center 2.422 GHz #Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 60 MHz Sweep 5.8 ms</p> <p>Occupied Bandwidth 36.213 MHz</p> <p>Total Power 7.37 dBm</p> <p>Transmit Freq Error -3.828 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 36.55 MHz</p> <p>x dB -6.00 dB</p> <p>Frequency 2.42200000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
<p>11N40SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.43700000 GHz</p> <p>Center Freq: 2.43700000 GHz Trig: Free Run #Atten: 30 dB</p> <p>Radio Std: None Radio Device: BTS</p> <p>10 dB/div Ref Offset 8.06 dB Ref 20.00 dBm</p> <p>Mkr1 2.44054 GHz -16.300 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz</p> <p>#VBW 300 kHz</p> <p>Span 60 MHz Sweep 5.8 ms</p> <p>Occupied Bandwidth 36.216 MHz</p> <p>Total Power 7.16 dBm</p> <p>Transmit Freq Error -7.062 kHz</p> <p>OBW Power 99.00 %</p> <p>x dB Bandwidth 36.55 MHz</p> <p>x dB -6.00 dB</p> <p>Frequency 2.43700000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>

11N40SISO/HCH



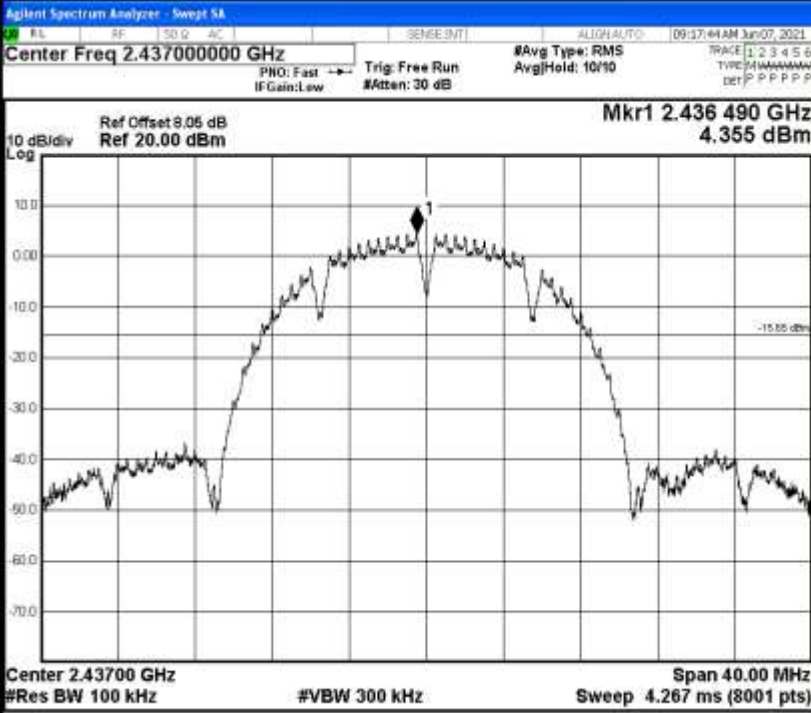
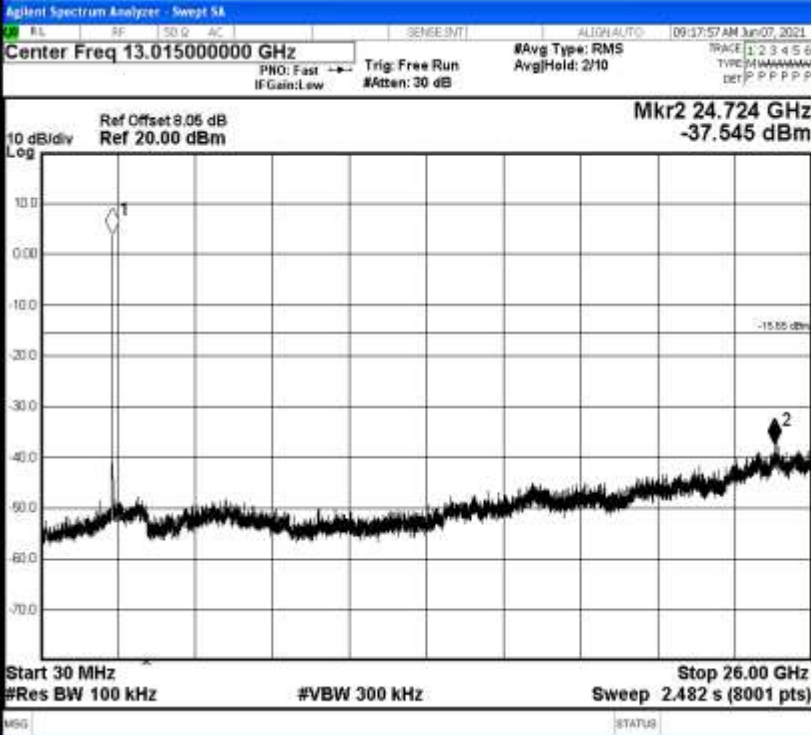
### C.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	4.309	-37.389	-15.691	PASS
	MCH	4.355	-37.545	-15.645	PASS
	HCH	3.887	-38.810	-16.113	PASS
11G	LCH	-4.904	-38.123	-24.904	PASS
	MCH	-4.88	-38.189	-24.880	PASS
	HCH	-4.543	-38.317	-24.543	PASS
11N20 SISO	LCH	-3.778	-38.236	-23.778	PASS
	MCH	-4.324	-37.469	-24.324	PASS
	HCH	-4.301	-38.030	-24.301	PASS
11N40 SISO	LCH	-7.386	-38.314	-27.386	PASS
	MCH	-7.693	-38.211	-27.693	PASS
	HCH	-8.028	-38.611	-28.028	PASS

11B\_LCH\_Graphs

<p>Pref/11B/LCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.41200000 GHz</p> <p>Start Freq 2.392000000 GHz</p> <p>Stop Freq 2.432000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11B/LCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 13.01500000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 26.000000000 GHz</p> <p>CF Step 2.597000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>

11B\_MCH\_Graphs

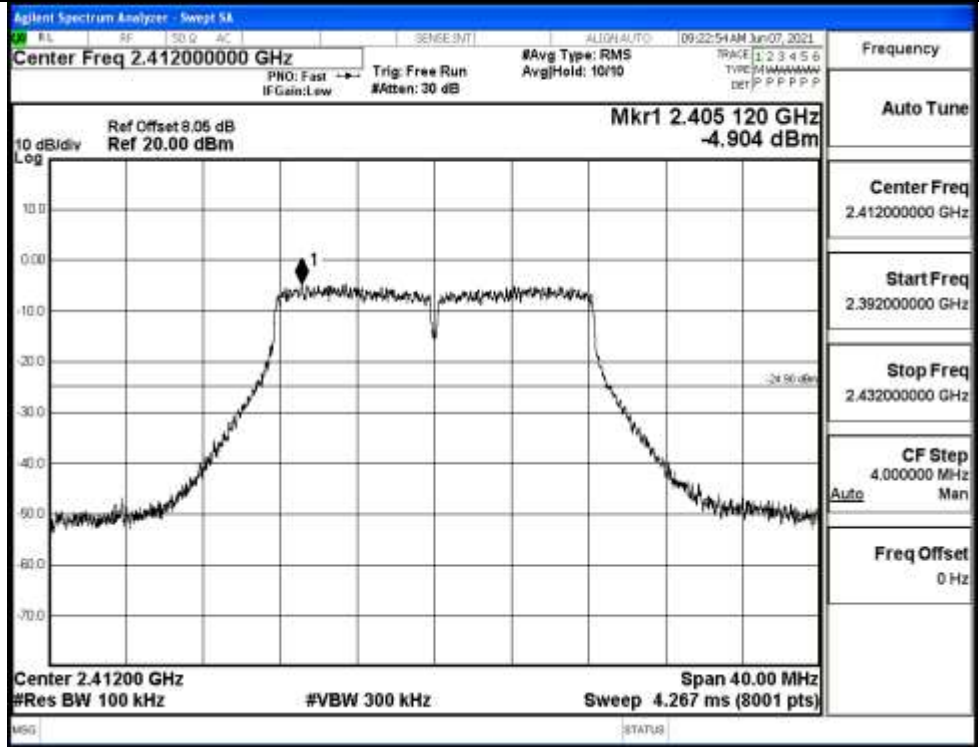
<p>Pref/11B/MCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.437000000 GHz</p> <p>Start Freq 2.417000000 GHz</p> <p>Stop Freq 2.457000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11B/MCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 13.015000000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 26.000000000 GHz</p> <p>CF Step 2.597000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>

11B\_HCH\_Graphs

<p>Pref/11B/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.462000000 GHz</p> <p>Start Freq 2.442000000 GHz</p> <p>Stop Freq 2.482000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11B/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 13.015000000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 26.000000000 GHz</p> <p>CF Step 2.597000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>

11G\_LCH\_Graphs

Pref/11G/LCH



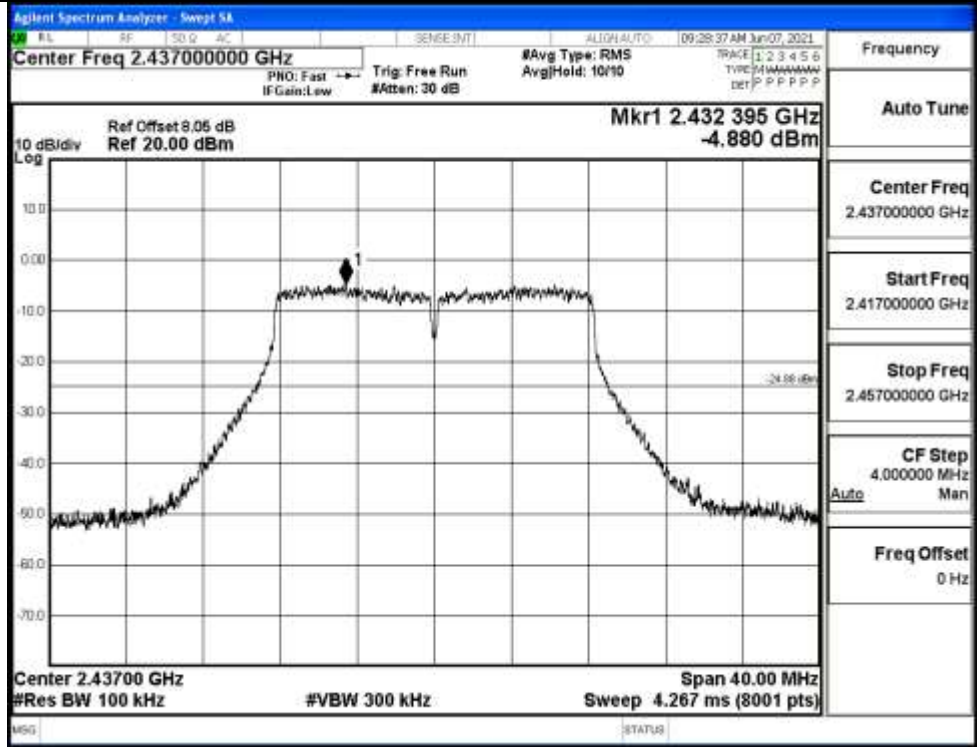
Puw/11G/LCH



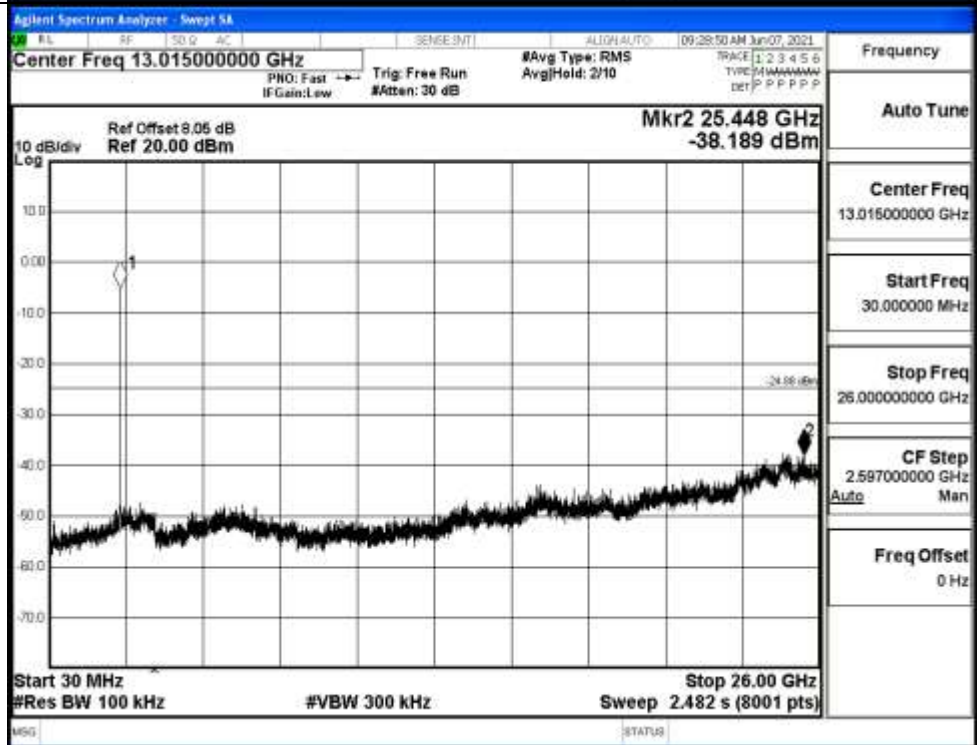


11G\_MCH\_Graphs

Pref/11G/MCH



Puw/11G/MCH

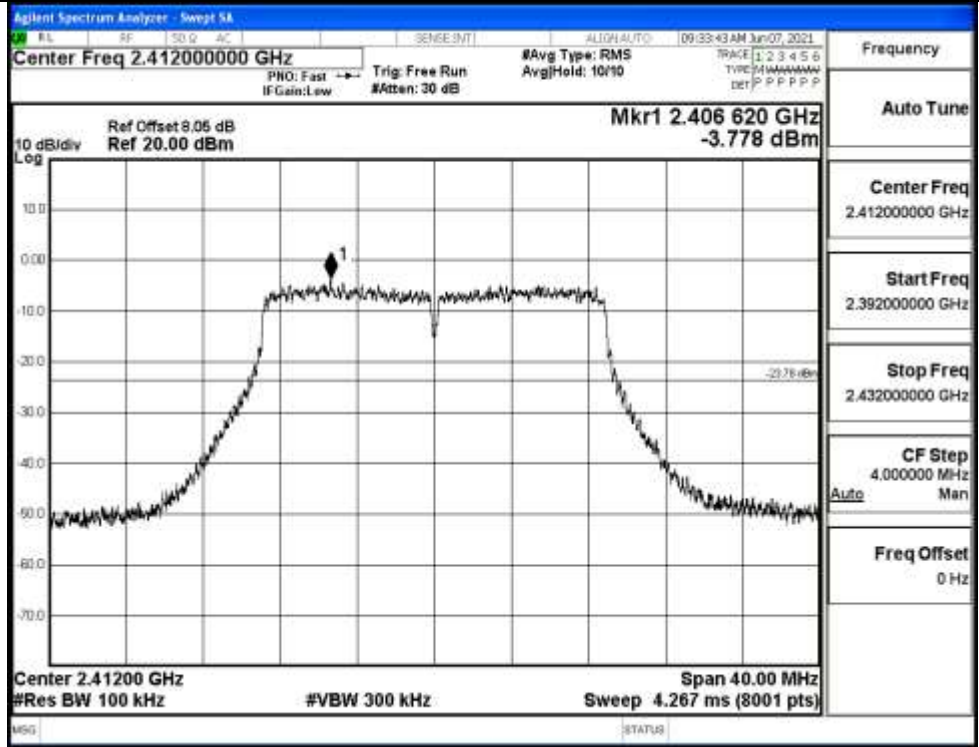


11G\_HCH\_Graphs

<p>Pref/11G/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.46200000 GHz</p> <p>Start Freq 2.442000000 GHz</p> <p>Stop Freq 2.482000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11G/HCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 13.01500000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 26.000000000 GHz</p> <p>CF Step 2.597000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>

11N20SISO\_LCH\_Graphs

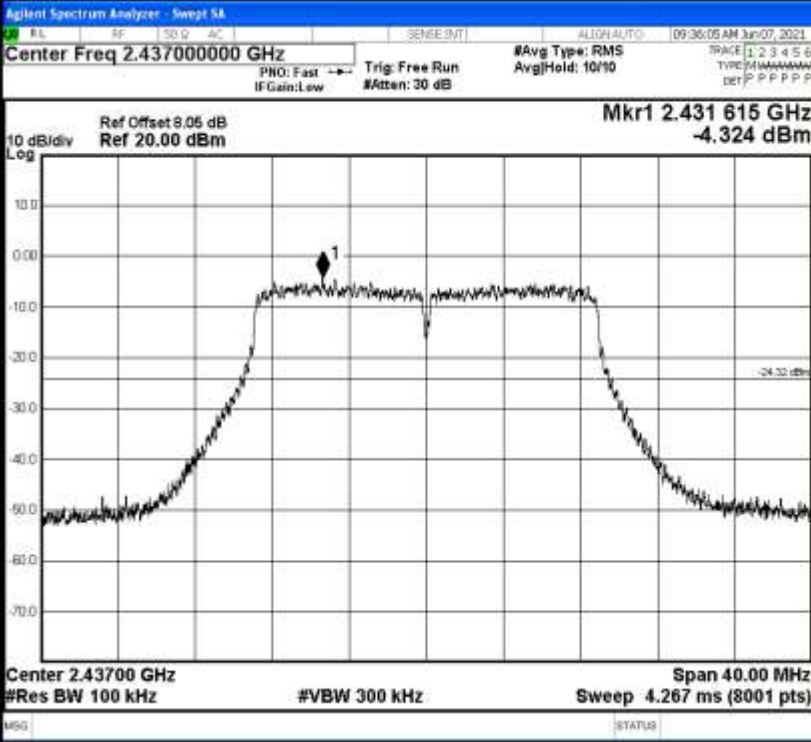
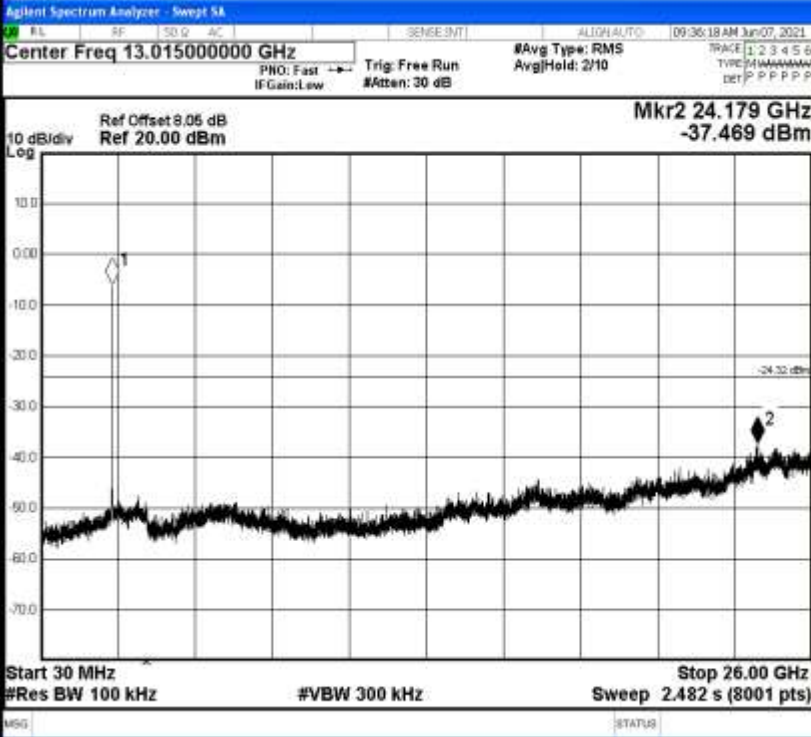
Pref/11N20SIS  
O/LCH



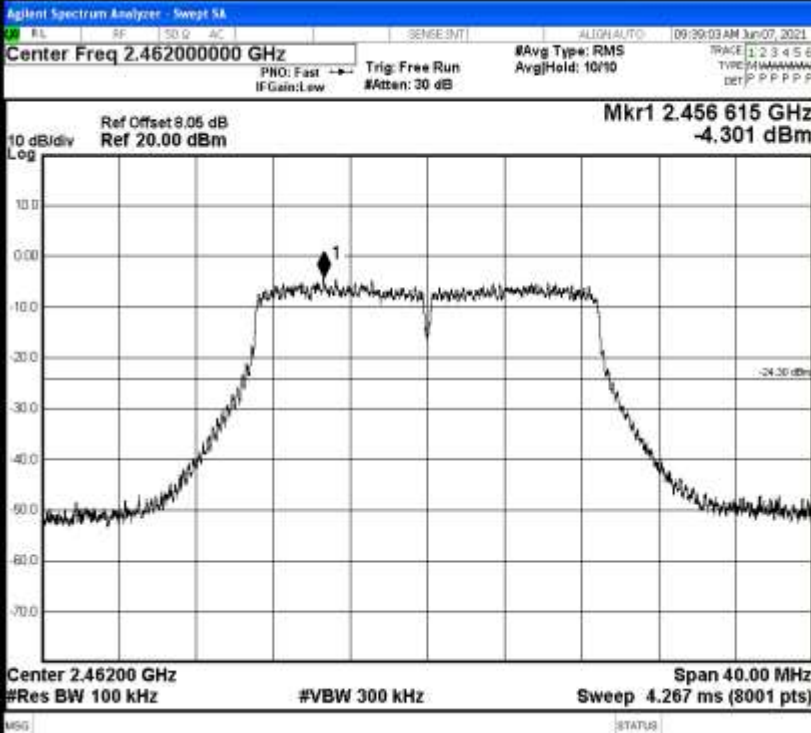
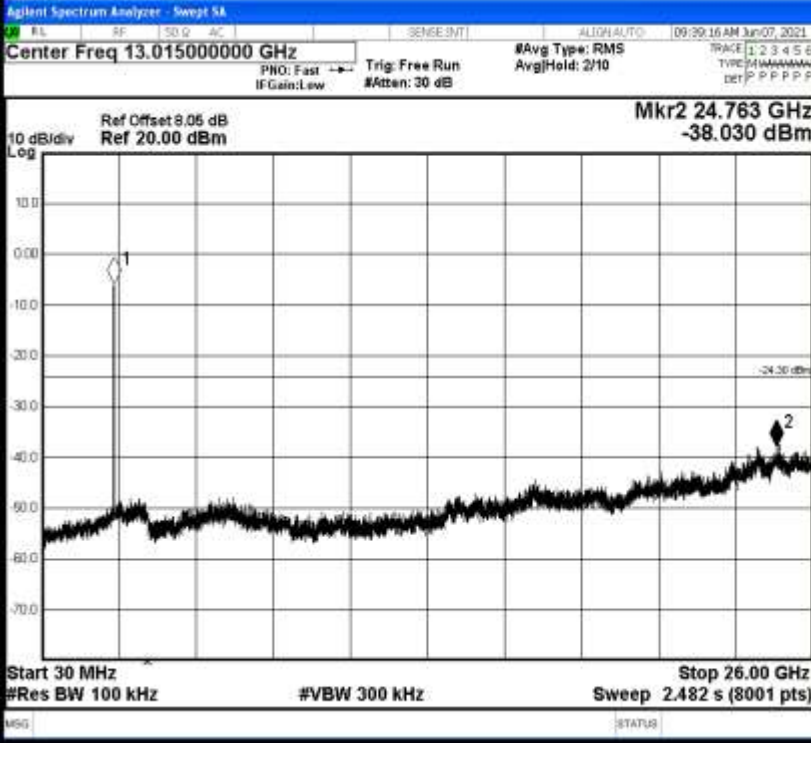
Puw/11N20  
SISO/LCH



11N20SISO\_MCH\_Graphs

<p>Pref/11N20 SISO/MCH</p>	 <table border="1" data-bbox="1244 257 1391 963"> <tr><td>Frequency</td></tr> <tr><td>Auto Tune</td></tr> <tr><td>Center Freq 2.437000000 GHz</td></tr> <tr><td>Start Freq 2.417000000 GHz</td></tr> <tr><td>Stop Freq 2.457000000 GHz</td></tr> <tr><td>CF Step 4.000000 MHz Auto Man</td></tr> <tr><td>Freq Offset 0 Hz</td></tr> </table>	Frequency	Auto Tune	Center Freq 2.437000000 GHz	Start Freq 2.417000000 GHz	Stop Freq 2.457000000 GHz	CF Step 4.000000 MHz Auto Man	Freq Offset 0 Hz
Frequency								
Auto Tune								
Center Freq 2.437000000 GHz								
Start Freq 2.417000000 GHz								
Stop Freq 2.457000000 GHz								
CF Step 4.000000 MHz Auto Man								
Freq Offset 0 Hz								
<p>Puw/11N20 SISO/MCH</p>	 <table border="1" data-bbox="1244 1008 1391 1713"> <tr><td>Frequency</td></tr> <tr><td>Auto Tune</td></tr> <tr><td>Center Freq 13.015000000 GHz</td></tr> <tr><td>Start Freq 30.000000 MHz</td></tr> <tr><td>Stop Freq 26.000000000 GHz</td></tr> <tr><td>CF Step 2.597000000 GHz Auto Man</td></tr> <tr><td>Freq Offset 0 Hz</td></tr> </table>	Frequency	Auto Tune	Center Freq 13.015000000 GHz	Start Freq 30.000000 MHz	Stop Freq 26.000000000 GHz	CF Step 2.597000000 GHz Auto Man	Freq Offset 0 Hz
Frequency								
Auto Tune								
Center Freq 13.015000000 GHz								
Start Freq 30.000000 MHz								
Stop Freq 26.000000000 GHz								
CF Step 2.597000000 GHz Auto Man								
Freq Offset 0 Hz								

11N20SISO\_HCH\_Graphs

<p>Pref/11N20 SISO/HCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.46200000 GHz</p> <p>Mkr1 2.456 615 GHz -4.301 dBm</p> <p>Center 2.46200 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 4.267 ms (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.46200000 GHz</p> <p>Start Freq 2.442000000 GHz</p> <p>Stop Freq 2.482000000 GHz</p> <p>CF Step 4.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11N20 SISO/HCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 13.01500000 GHz</p> <p>Mkr2 24.763 GHz -38.030 dBm</p> <p>Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.482 s (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 13.01500000 GHz</p> <p>Start Freq 30.000000 MHz</p> <p>Stop Freq 26.000000000 GHz</p> <p>CF Step 2.597000000 GHz Auto Man</p> <p>Freq Offset 0 Hz</p>



11N40SISO\_LCH\_Graphs

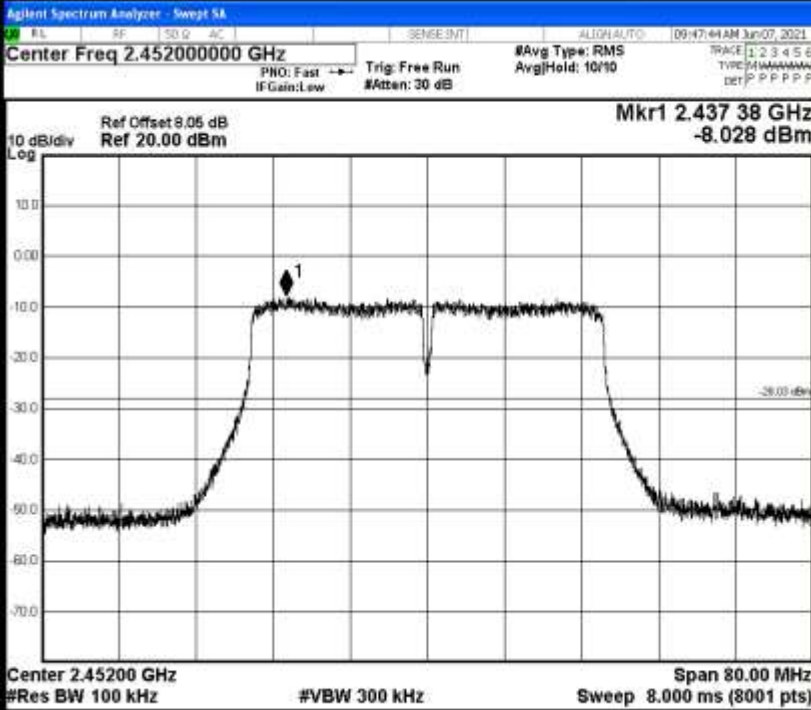
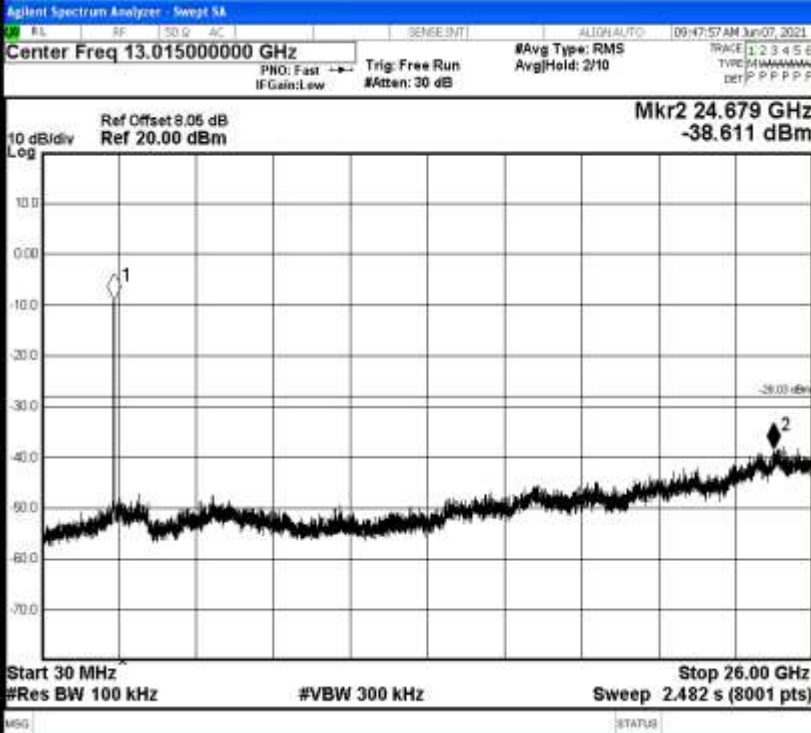
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<p>Puw/11N40 SISO/LCH</p>		<p>Frequency Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.000000000 GHz CF Step 2.597000000 GHz Auto Man Freq Offset 0 Hz</p>

11N40SISO\_MCH\_Graphs

<p>Pref/11N40 SISO/MCH</p>		<p>Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.397000000 GHz Stop Freq 2.477000000 GHz CF Step 8.000000 MHz Auto Man Freq Offset 0 Hz</p>
<p>Puw/11N40 SISO/MCH</p>		<p>Frequency Auto Tune Center Freq 13.015000000 GHz Start Freq 30.000000 MHz Stop Freq 26.000000000 GHz CF Step 2.597000000 GHz Auto Man Freq Offset 0 Hz</p>

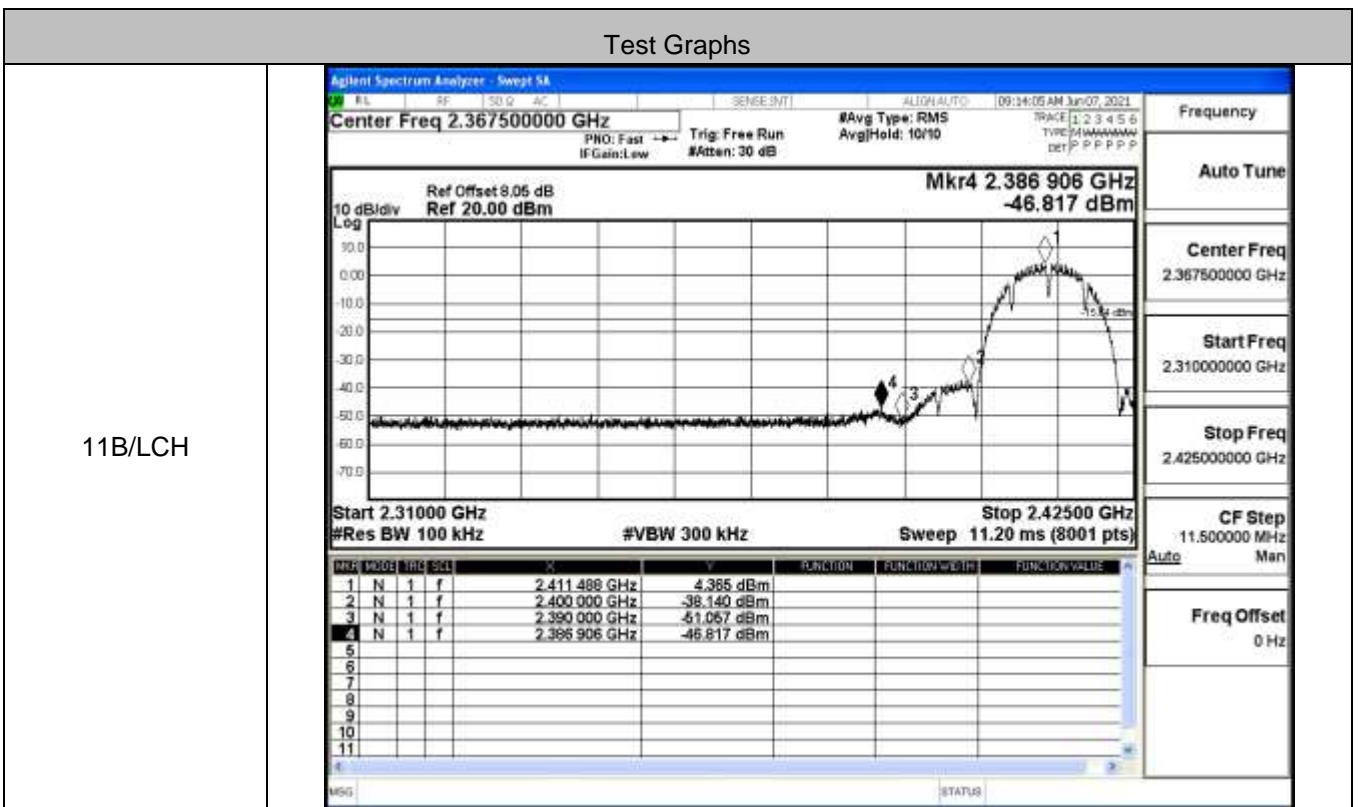


11N40SISO\_HCH\_Graphs

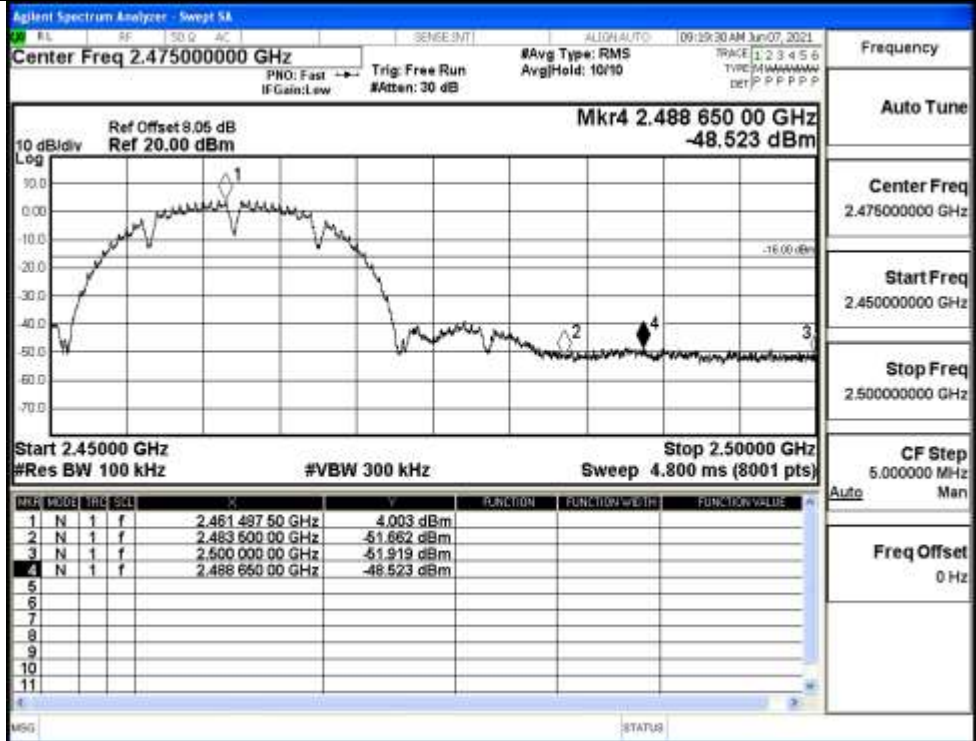
<p>Pref/11N40 SISO/HCH</p>	 <table border="1" data-bbox="1235 241 1391 949"> <tr><td>Frequency</td></tr> <tr><td>Auto Tune</td></tr> <tr><td>Center Freq 2.45200000 GHz</td></tr> <tr><td>Start Freq 2.41200000 GHz</td></tr> <tr><td>Stop Freq 2.49200000 GHz</td></tr> <tr><td>CF Step 8.000000 MHz Auto Man</td></tr> <tr><td>Freq Offset 0 Hz</td></tr> </table>	Frequency	Auto Tune	Center Freq 2.45200000 GHz	Start Freq 2.41200000 GHz	Stop Freq 2.49200000 GHz	CF Step 8.000000 MHz Auto Man	Freq Offset 0 Hz
Frequency								
Auto Tune								
Center Freq 2.45200000 GHz								
Start Freq 2.41200000 GHz								
Stop Freq 2.49200000 GHz								
CF Step 8.000000 MHz Auto Man								
Freq Offset 0 Hz								
<p>Puw/11N40 SISO/HCH</p>	 <table border="1" data-bbox="1235 990 1391 1720"> <tr><td>Frequency</td></tr> <tr><td>Auto Tune</td></tr> <tr><td>Center Freq 13.01500000 GHz</td></tr> <tr><td>Start Freq 30.000000 MHz</td></tr> <tr><td>Stop Freq 26.00000000 GHz</td></tr> <tr><td>CF Step 2.597000000 GHz Auto Man</td></tr> <tr><td>Freq Offset 0 Hz</td></tr> </table>	Frequency	Auto Tune	Center Freq 13.01500000 GHz	Start Freq 30.000000 MHz	Stop Freq 26.00000000 GHz	CF Step 2.597000000 GHz Auto Man	Freq Offset 0 Hz
Frequency								
Auto Tune								
Center Freq 13.01500000 GHz								
Start Freq 30.000000 MHz								
Stop Freq 26.00000000 GHz								
CF Step 2.597000000 GHz Auto Man								
Freq Offset 0 Hz								

### C.6 Band-edge for RF Conducted Emissions

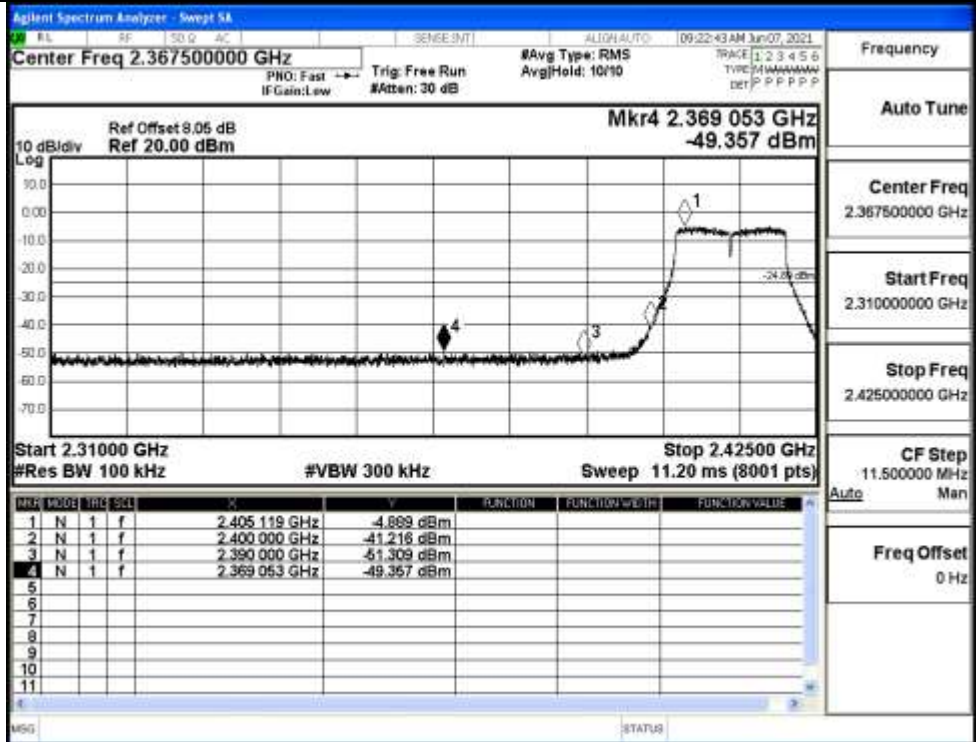
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	4.365	-46.817	-15.64	PASS
	HCH	4.003	-48.523	-16	PASS
11G	LCH	-4.889	-49.357	-24.89	PASS
	HCH	-4.708	-48.766	-24.71	PASS
11N20SISO	LCH	-3.738	-48.994	-23.74	PASS
	HCH	-4.397	-48.816	-24.4	PASS
11N40SISO	LCH	-7.507	-48.988	-27.51	PASS
	HCH	-7.953	-48.131	-27.95	PASS



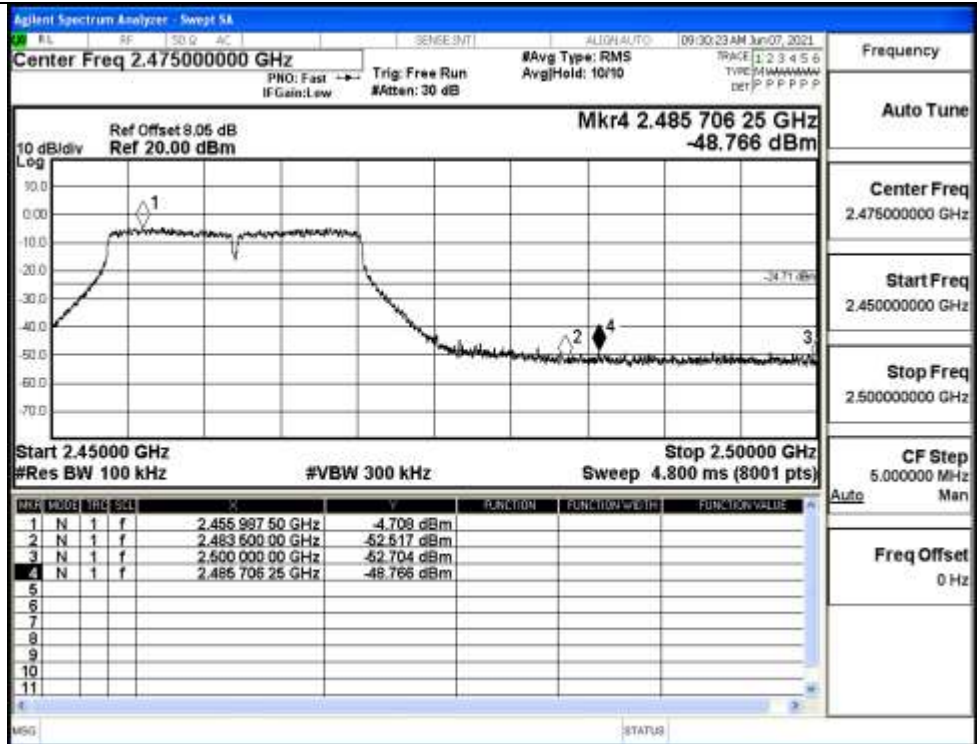
11B/HCH



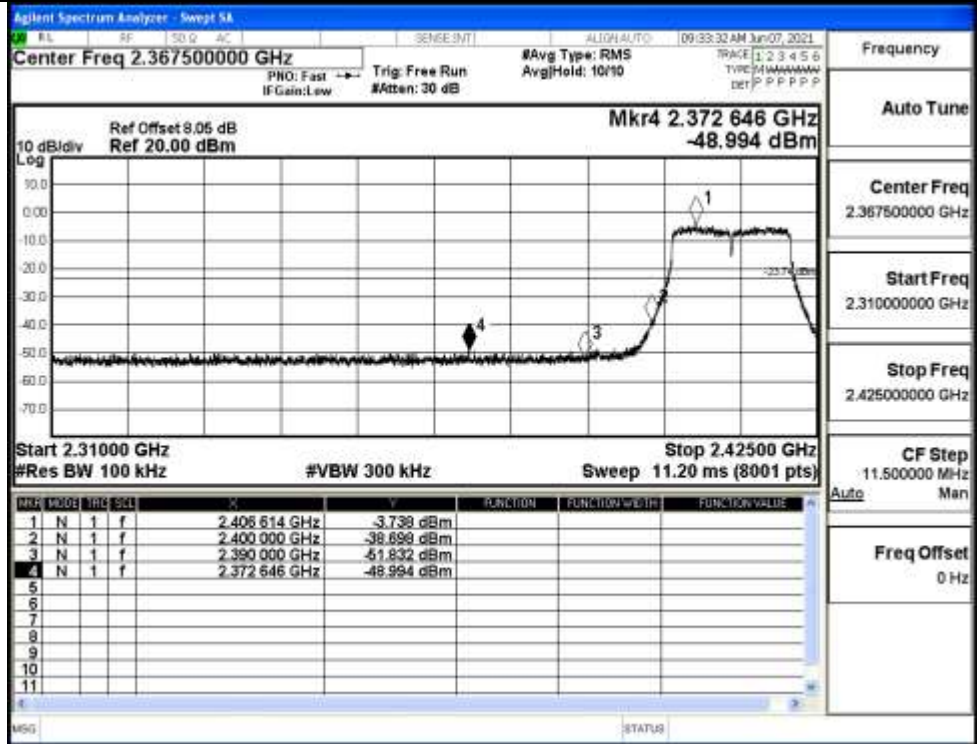
11G/LCH



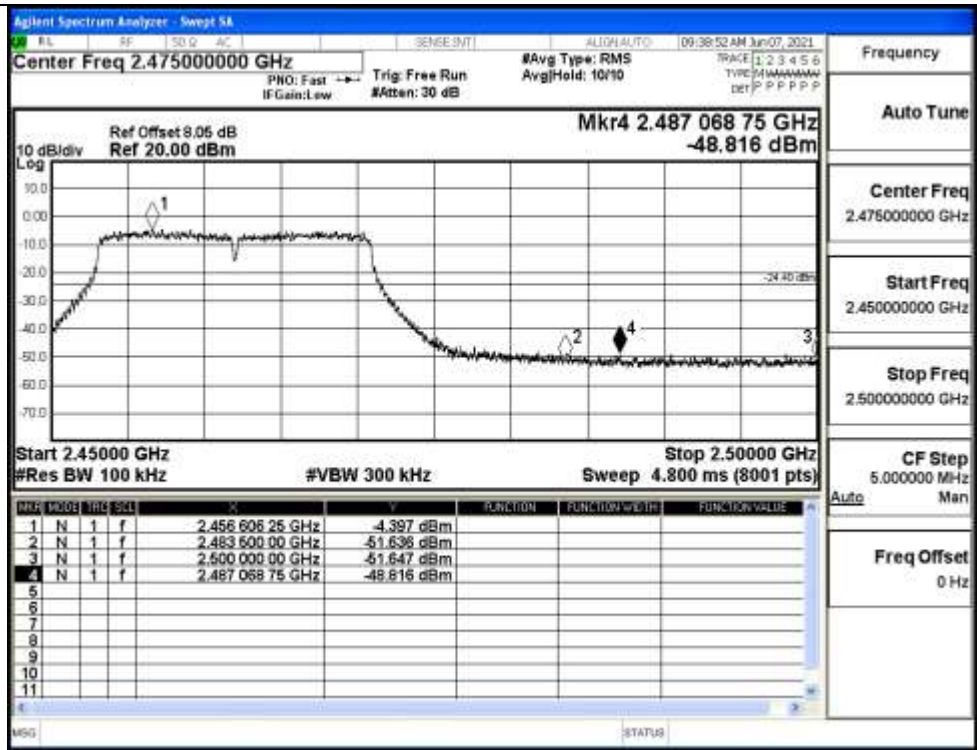
11G/HCH



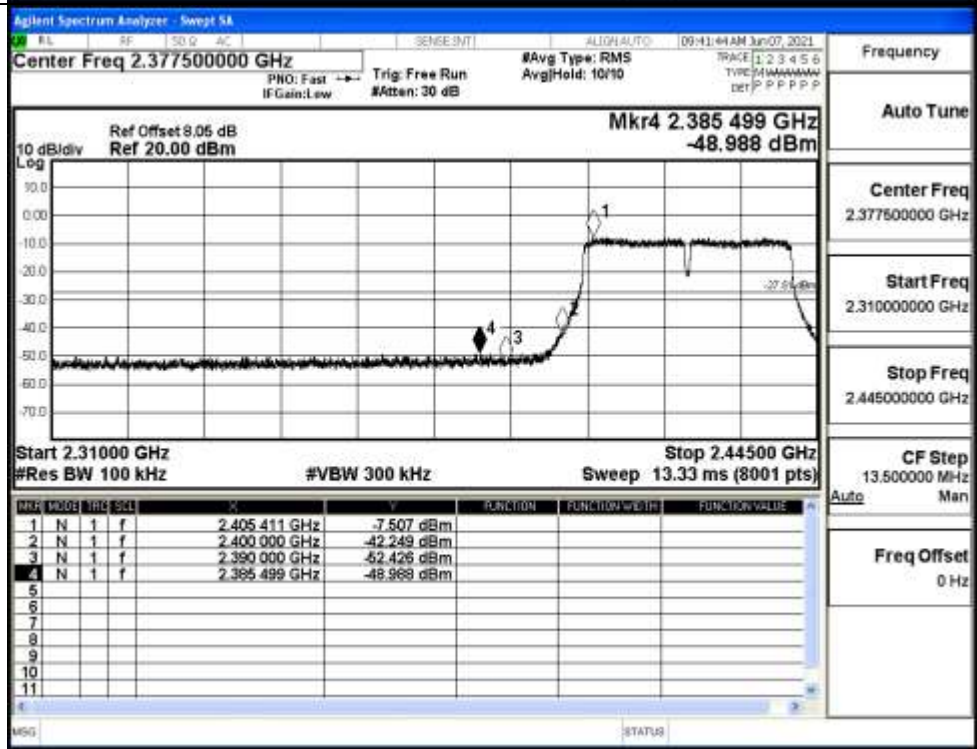
11N20SISO/LCH



11N20SISO/HCH

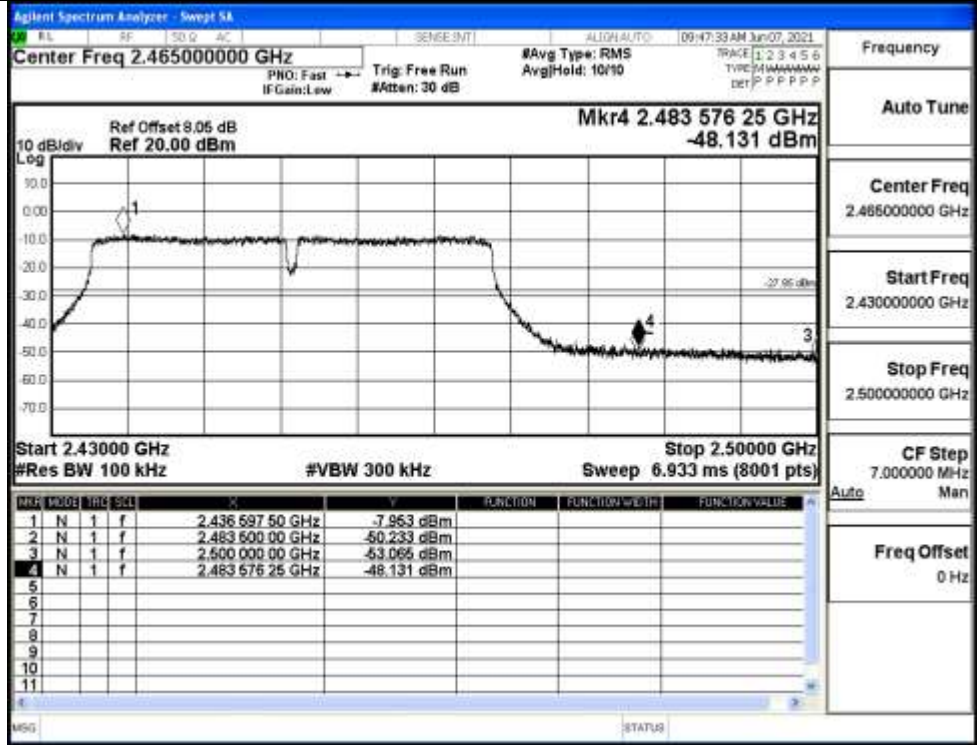


11N40SISO/LCH





11N40SISO/HCH



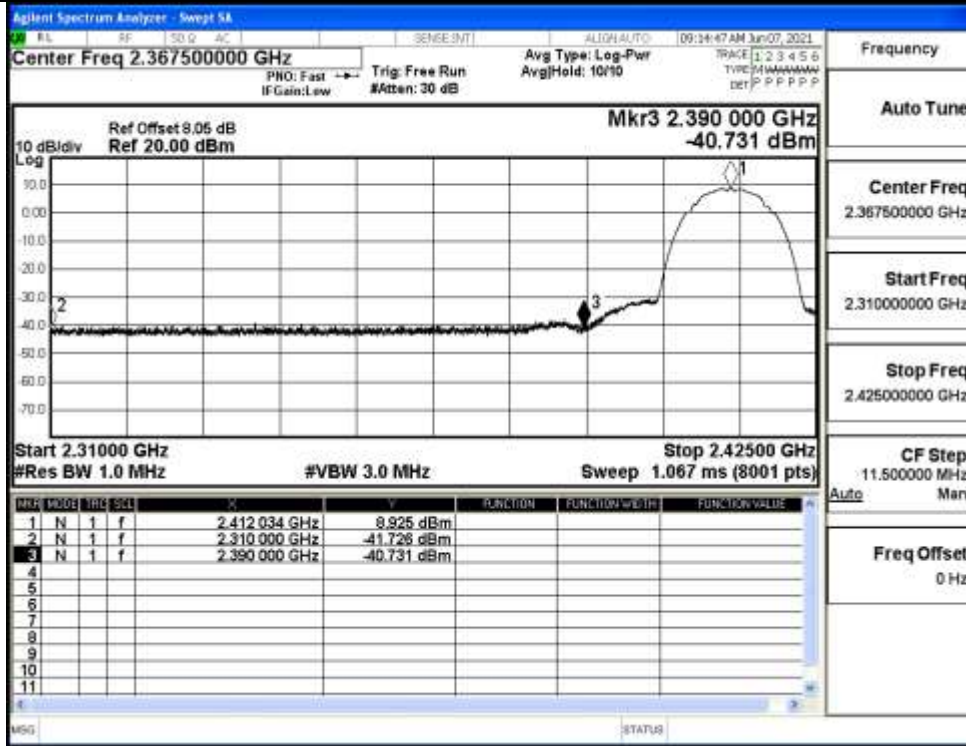


### C.7 Restrict-band band-edge measurements

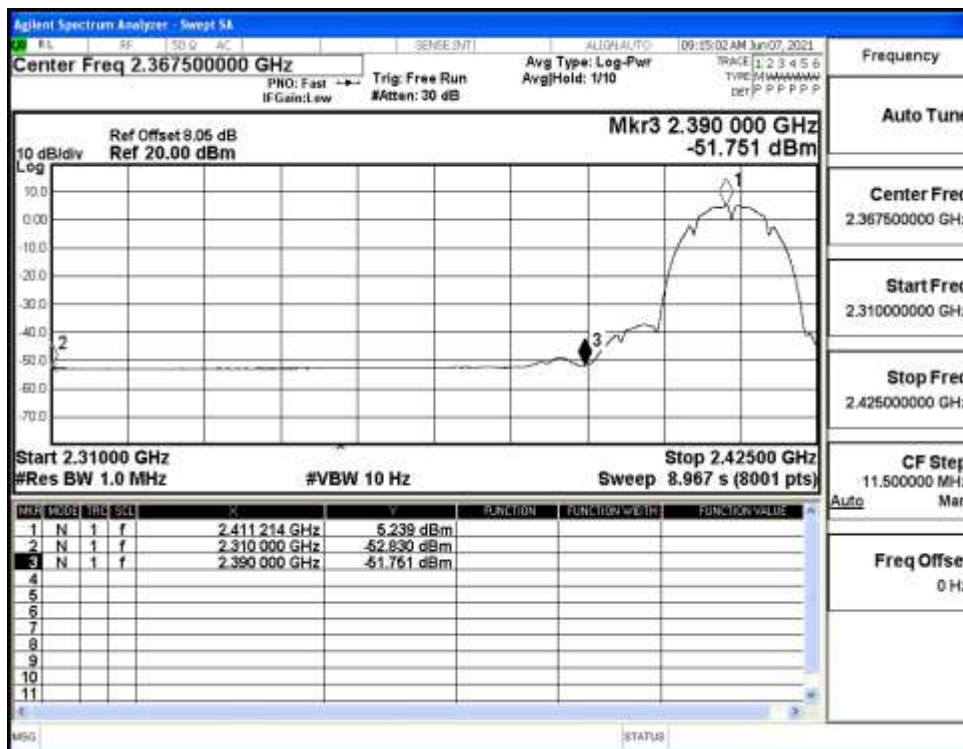
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
11B	2412	Ant1	2310.0	-41.73	2.0	0	55.50	PEAK	74	PASS
	2412	Ant1	2310.0	-52.83	2.0	0	44.40	AV	54	PASS
	2412	Ant1	2390.0	-40.73	2.0	0	56.50	PEAK	74	PASS
	2412	Ant1	2390.0	-51.75	2.0	0	45.48	AV	54	PASS
	2462	Ant1	2483.5	-41.04	2.0	0	56.19	PEAK	74	PASS
	2462	Ant1	2483.5	-51.59	2.0	0	45.64	AV	54	PASS
	2462	Ant1	2500.0	-41.74	2.0	0	55.49	PEAK	74	PASS
	2462	Ant1	2500.0	-52.11	2.0	0	45.12	AV	54	PASS
11G	2412	Ant1	2310.0	-43.47	2.0	0	53.76	PEAK	74	PASS
	2412	Ant1	2310.0	-52.97	2.0	0	44.26	AV	54	PASS
	2412	Ant1	2390.0	-41.28	2.0	0	55.95	PEAK	74	PASS
	2412	Ant1	2390.0	-52.03	2.0	0	45.20	AV	54	PASS
	2462	Ant1	2483.5	-40.92	2.0	0	56.31	PEAK	74	PASS
	2462	Ant1	2483.5	-51.61	2.0	0	45.62	AV	54	PASS
	2462	Ant1	2500.0	-42.10	2.0	0	55.13	PEAK	74	PASS
	2462	Ant1	2500.0	-52.23	2.0	0	45.00	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-40.90	2.0	0	56.33	PEAK	74	PASS
	2412	Ant1	2310.0	-52.97	2.0	0	44.26	AV	54	PASS
	2412	Ant1	2390.0	-41.77	2.0	0	55.46	PEAK	74	PASS
	2412	Ant1	2390.0	-51.89	2.0	0	45.34	AV	54	PASS
	2462	Ant1	2483.5	-39.26	2.0	0	57.97	PEAK	74	PASS
	2462	Ant1	2483.5	-51.34	2.0	0	45.89	AV	54	PASS
	2462	Ant1	2500.0	-42.24	2.0	0	54.99	PEAK	74	PASS
	2462	Ant1	2500.0	-52.22	2.0	0	45.01	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-41.48	2.0	0	55.75	PEAK	74	PASS
	2422	Ant1	2310.0	-52.96	2.0	0	44.27	AV	54	PASS

	2422	Ant1	2390.0	-41.43	2.0	0	55.80	PEAK	74	PASS
	2422	Ant1	2390.0	-51.83	2.0	0	45.40	AV	54	PASS
	2452	Ant1	2483.5	-40.25	2.0	0	56.98	PEAK	74	PASS
	2452	Ant1	2483.5	-50.14	2.0	0	47.09	AV	54	PASS
	2452	Ant1	2500.0	-42.32	2.0	0	54.91	PEAK	74	PASS
	2452	Ant1	2500.0	-51.97	2.0	0	45.26	AV	54	PASS

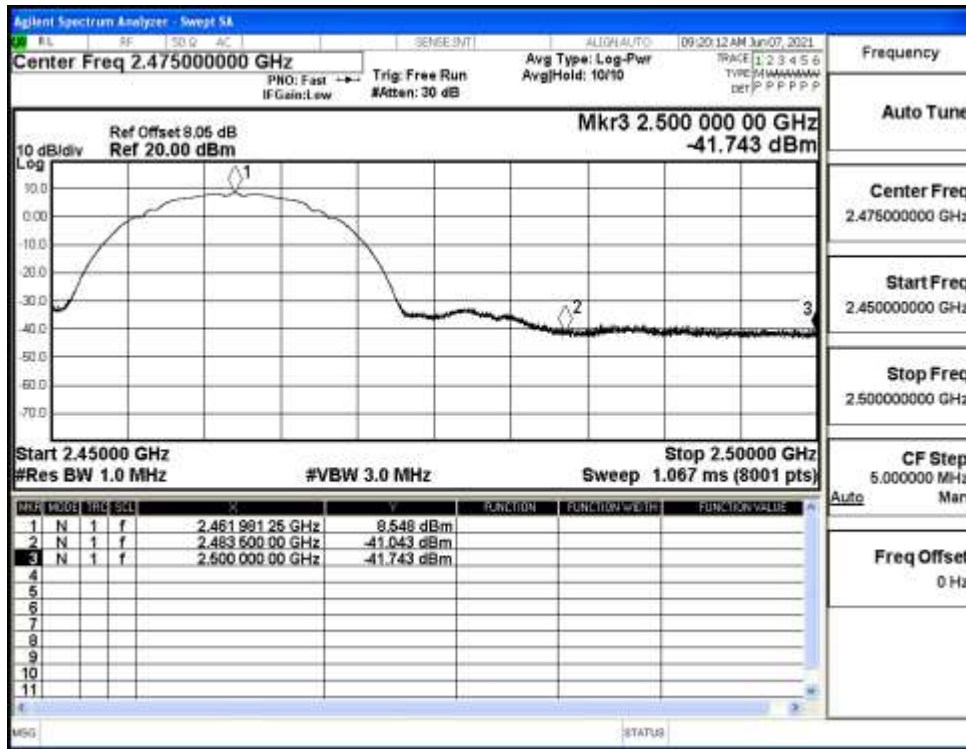
Restrict-band band-edge measurements\_11B\_2412\_Ant1\_PEAK



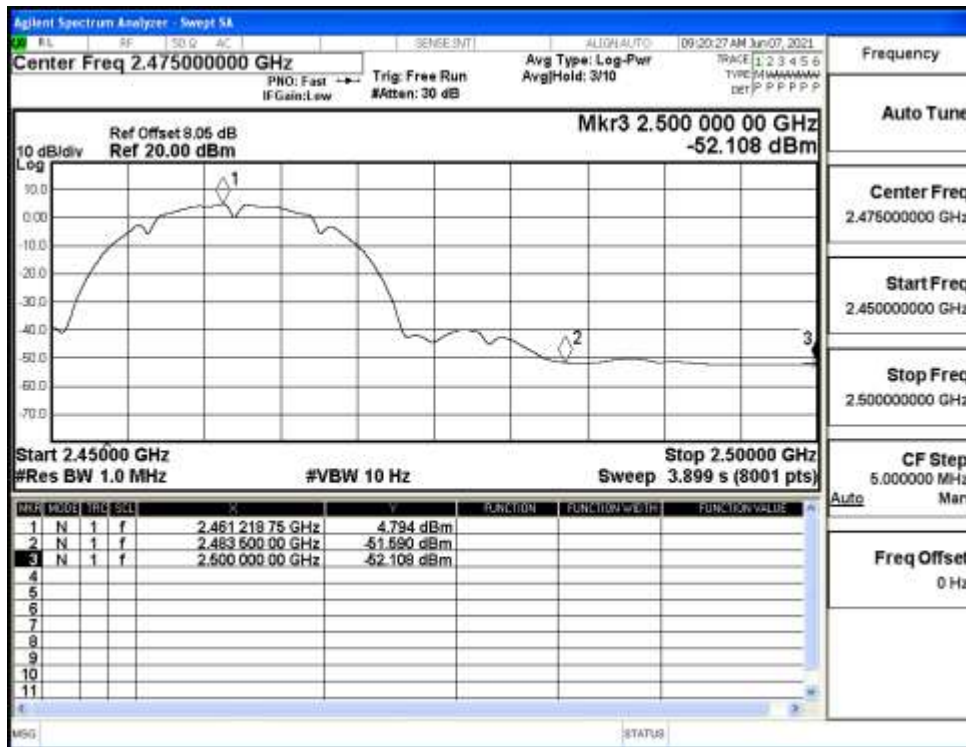
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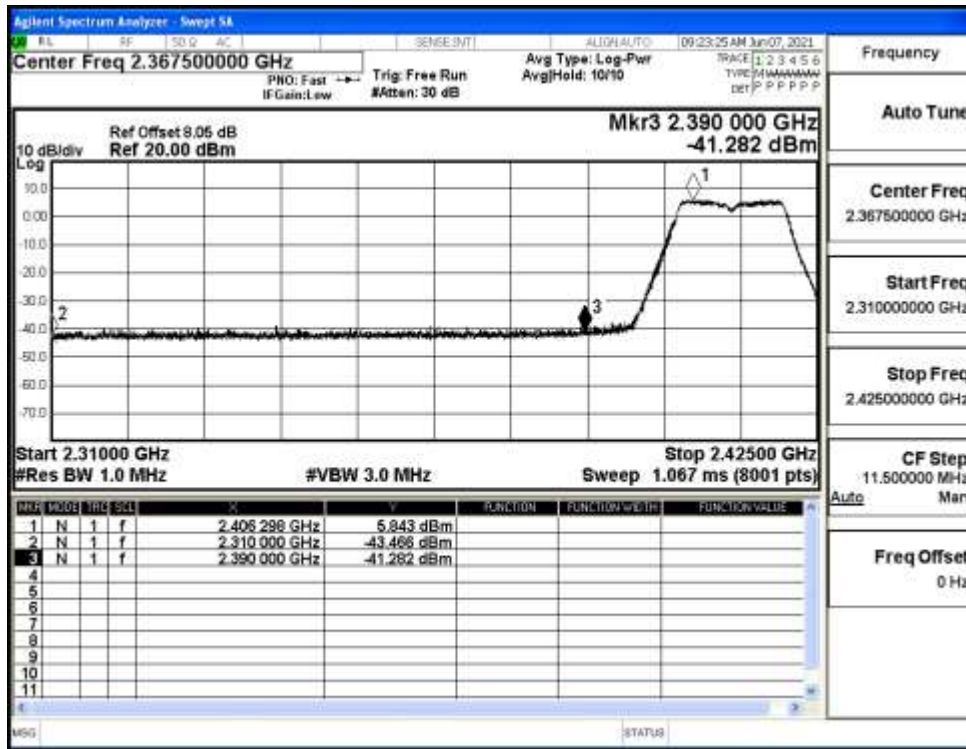
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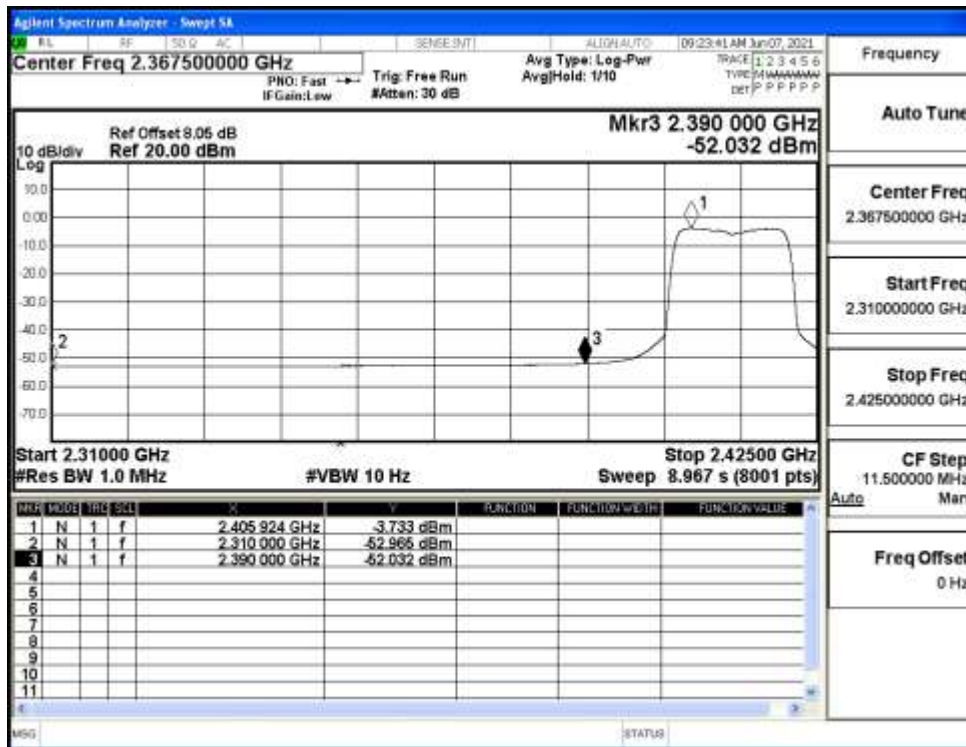
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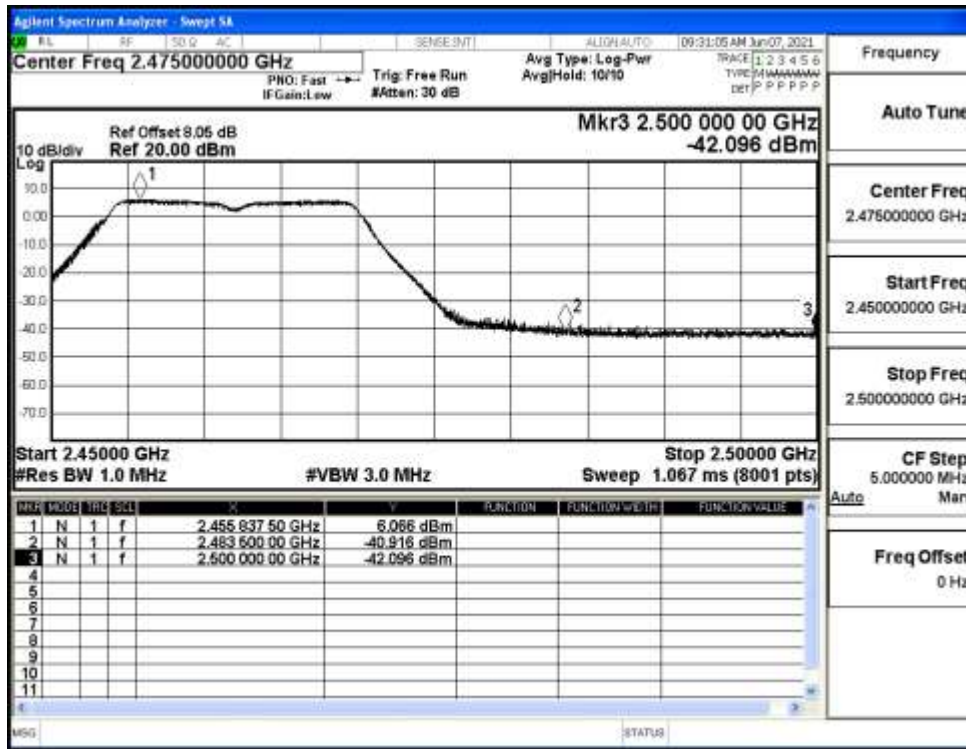
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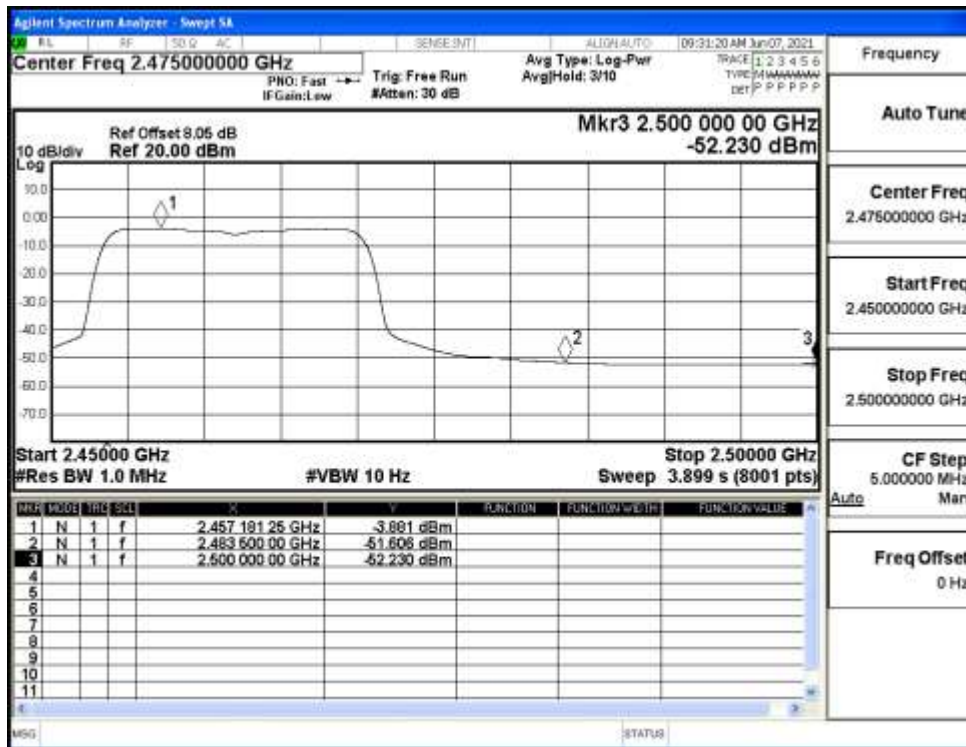
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Restrict-band band-edge measurements\_11G\_2462\_Ant1\_PEAK

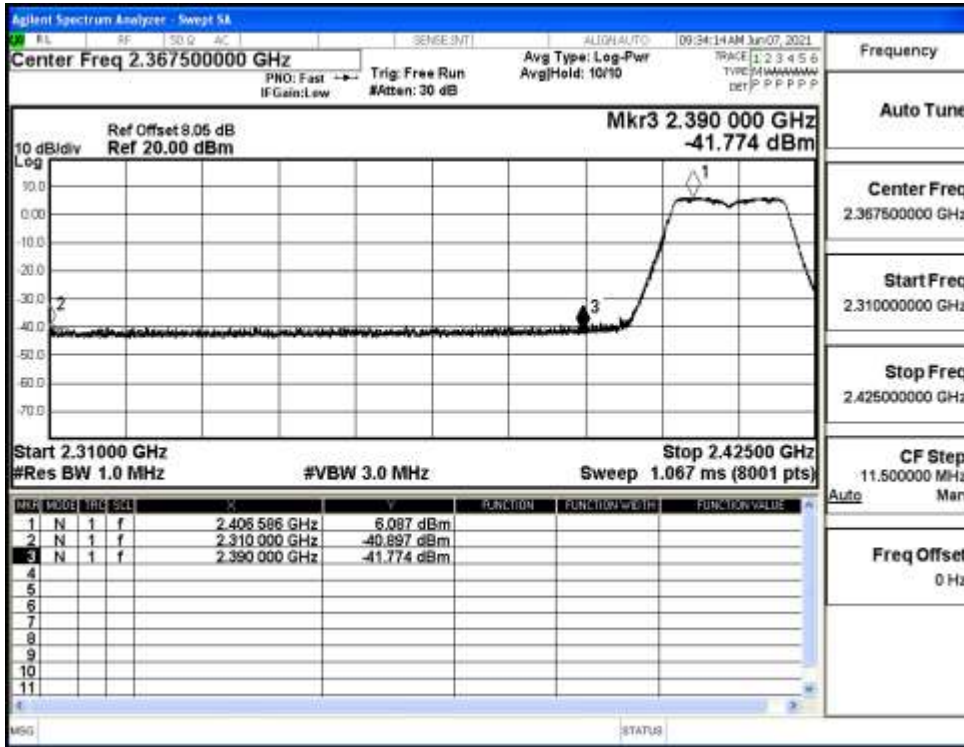


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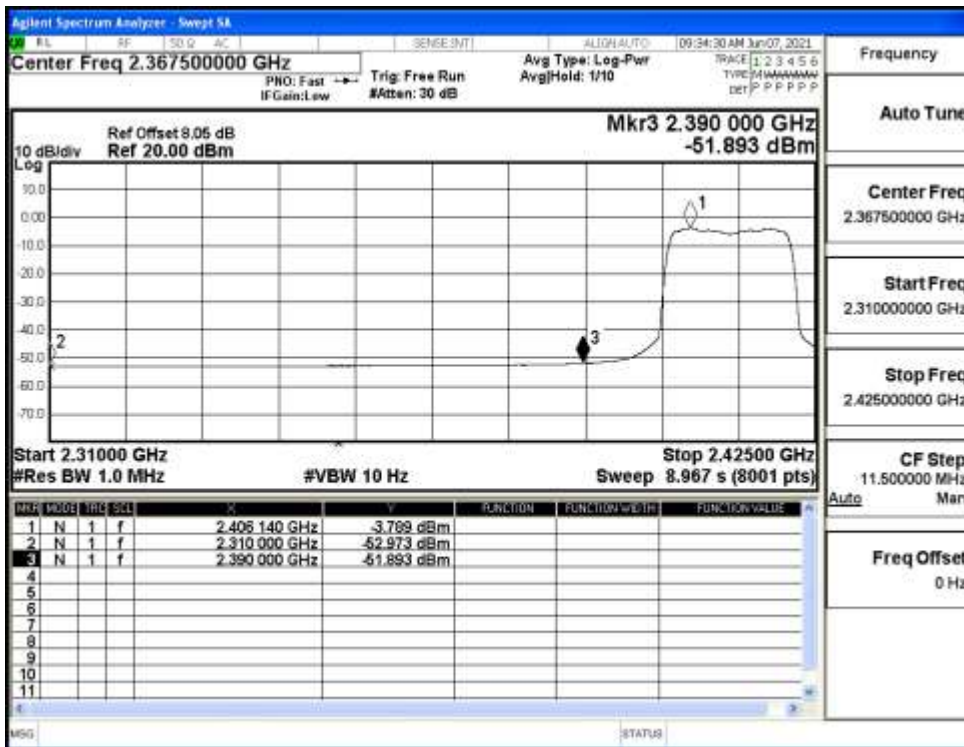




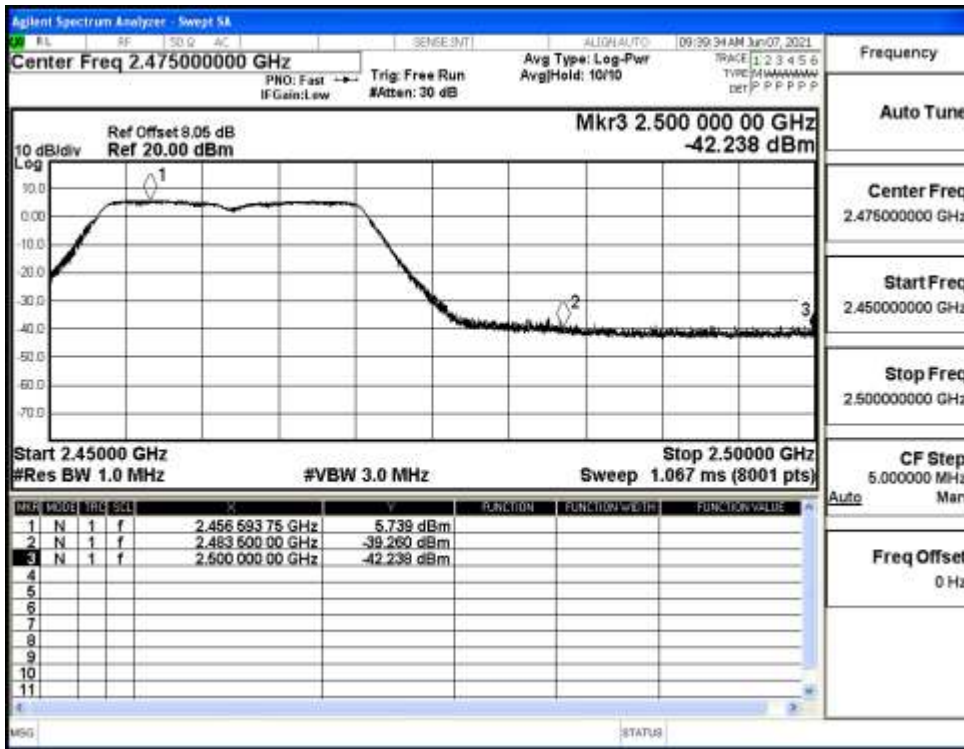
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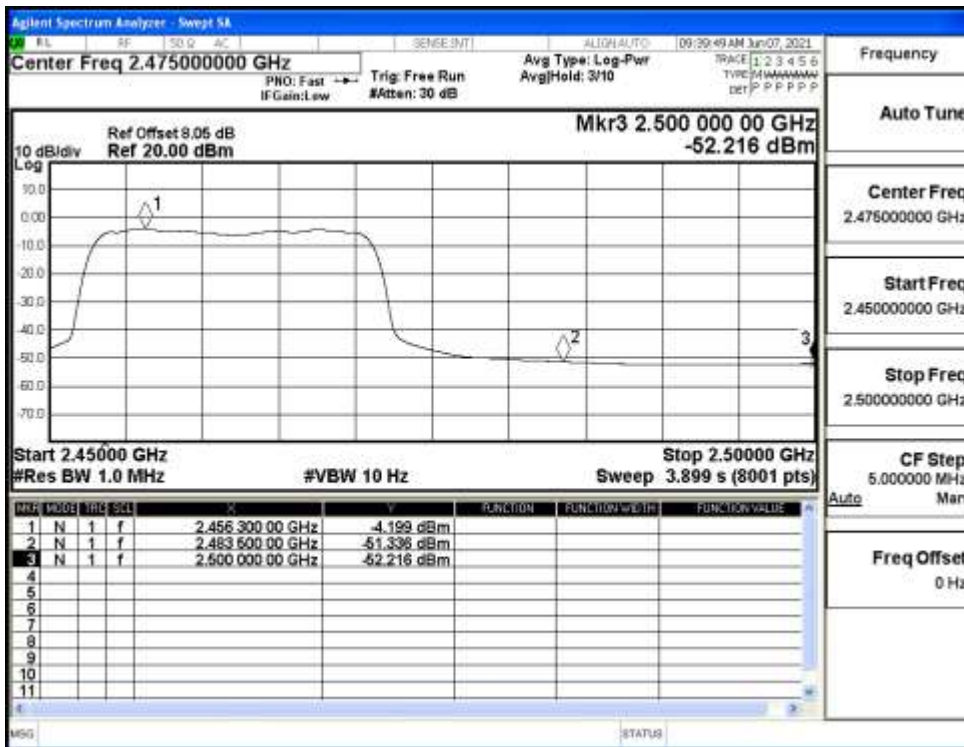
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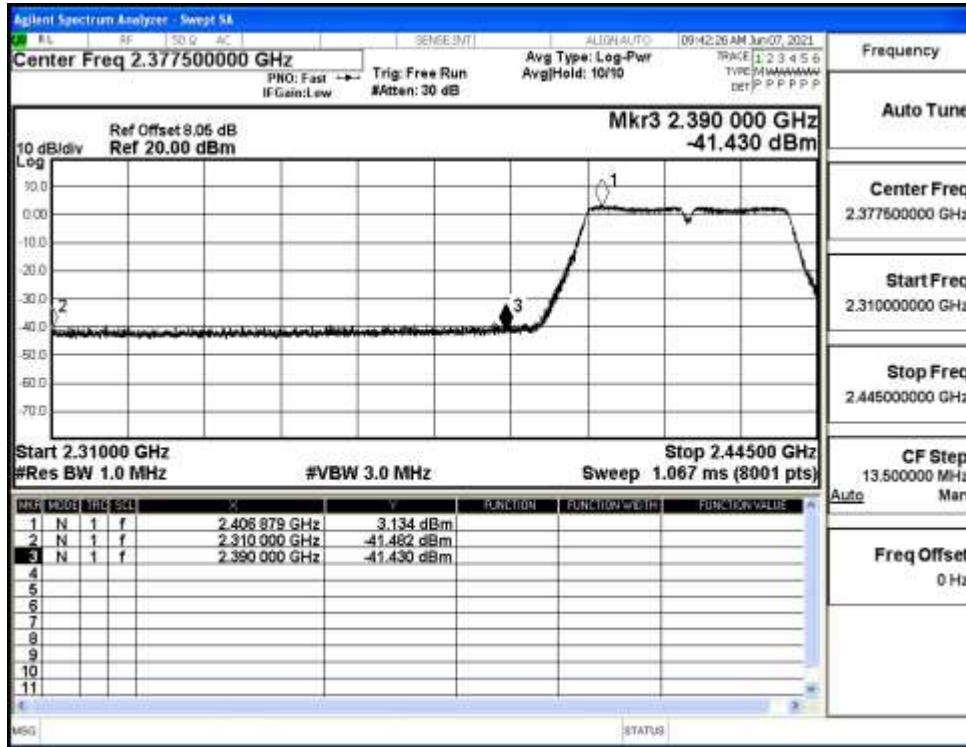
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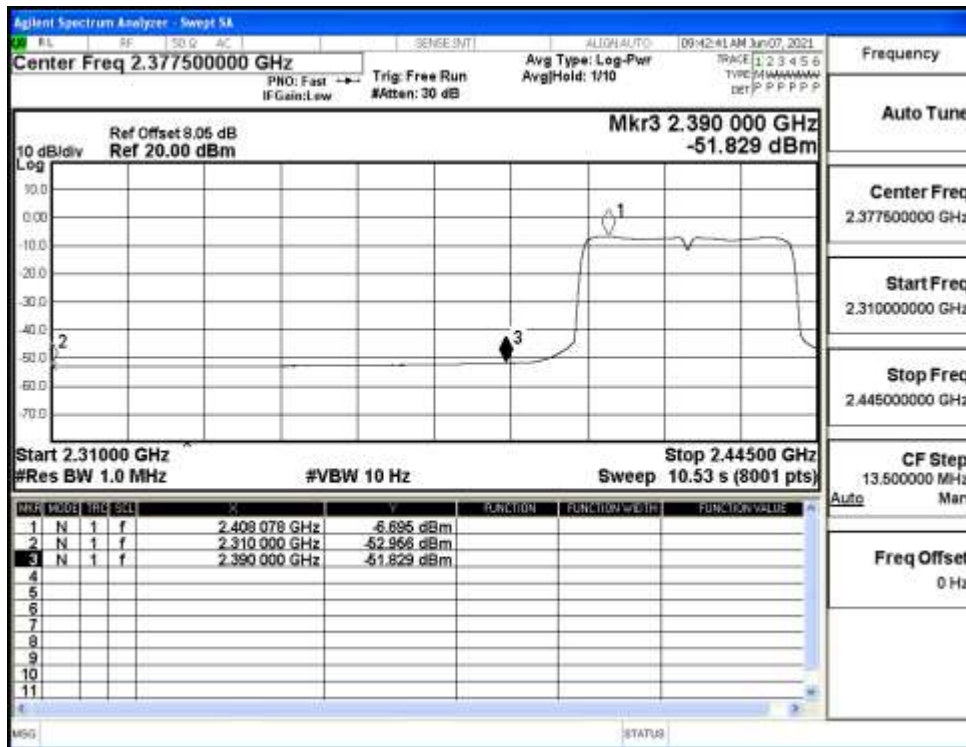
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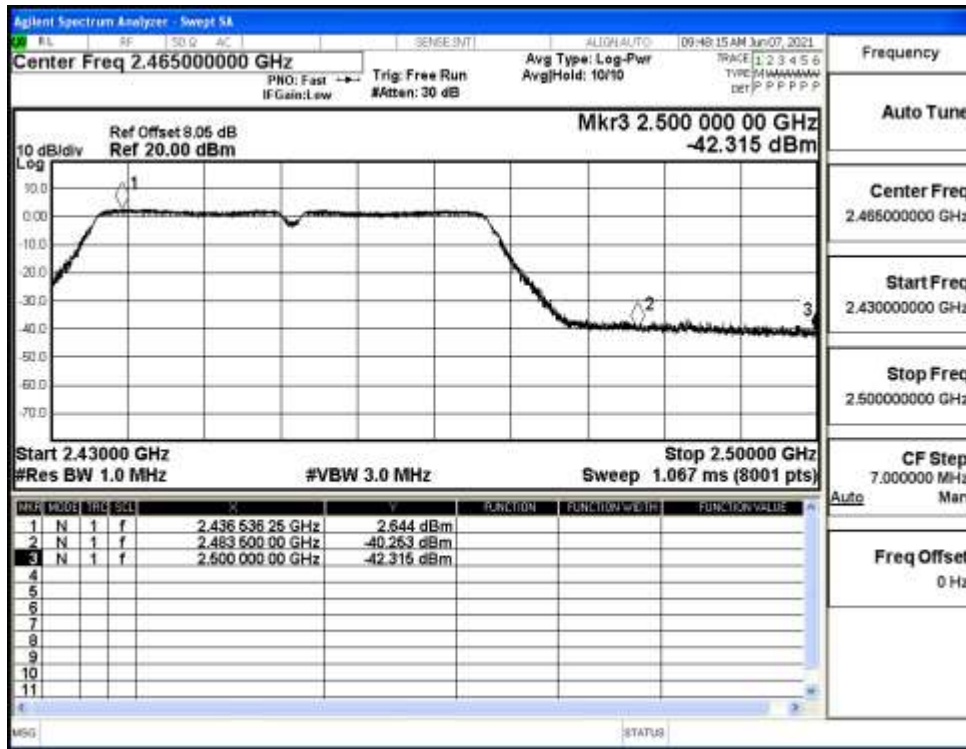
Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_PEAK



Restrict-band band-edge measurements\_11N40SISO\_2422\_Ant1\_AV



Restrict-band band-edge measurements\_11N40SISO\_2452\_Ant1\_PEAK



Restrict-band band-edge measurements\_11N40SISO\_2452\_Ant1\_AV

