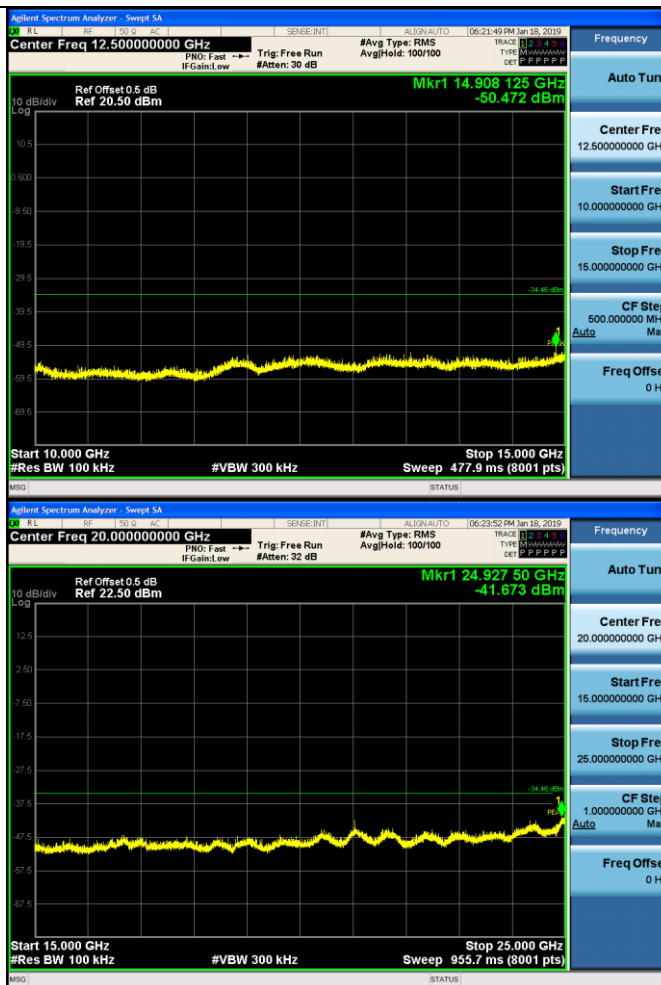


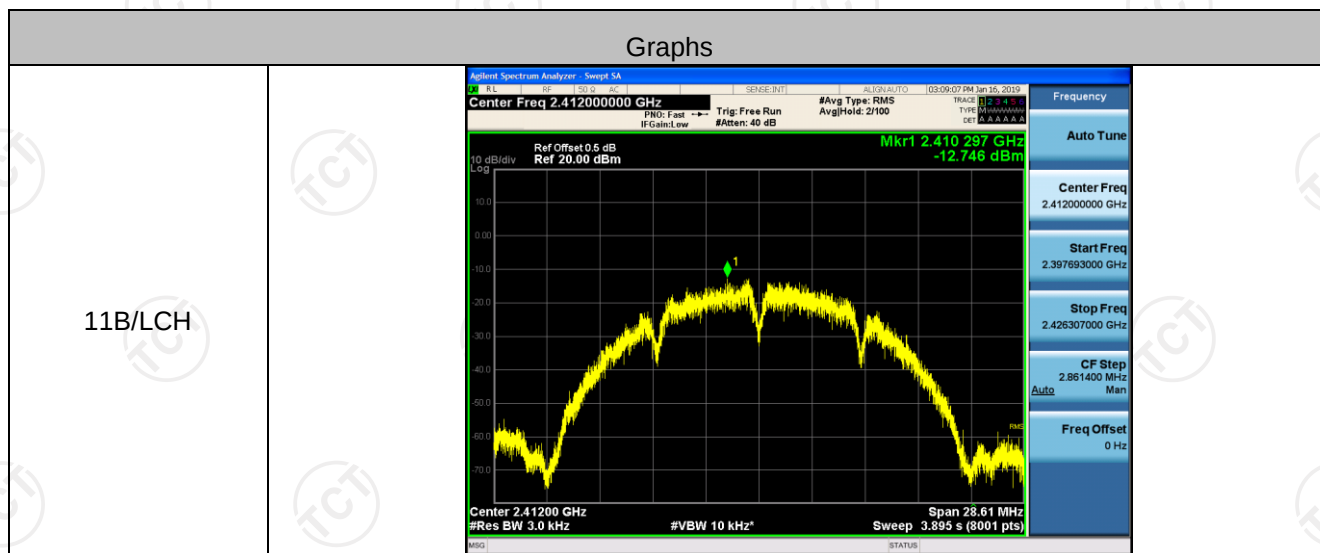


Power Spectral Density

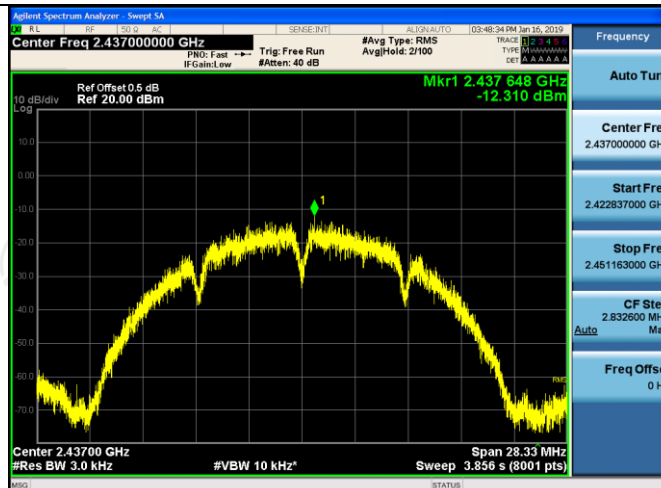
Result Table

Mode	Channel	Meas.Level [dBm]	Verdict
11B	LCH	-12.746	PASS
11B	MCH	-12.310	PASS
11B	HCH	-11.020	PASS
11G	LCH	-15.938	PASS
11G	MCH	-17.665	PASS
11G	HCH	-15.166	PASS
11N20SISO	LCH	-15.494	PASS
11N20SISO	MCH	-15.153	PASS
11N20SISO	HCH	-15.498	PASS
11N40SISO	LCH	-22.369	PASS
11N40SISO	MCH	-20.746	PASS
11N40SISO	HCH	-22.539	PASS

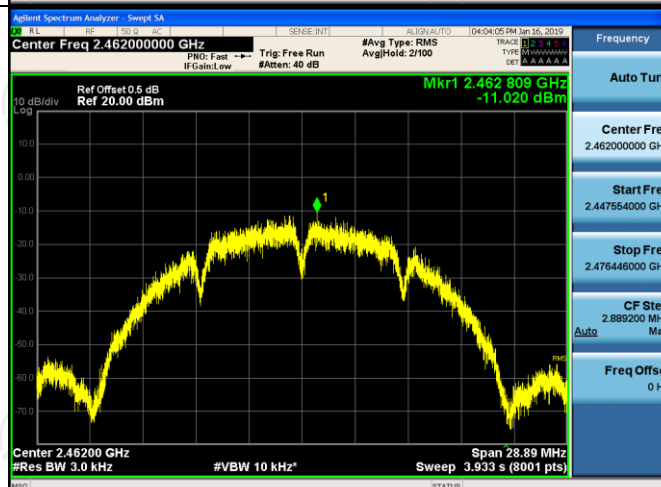
Test Graph



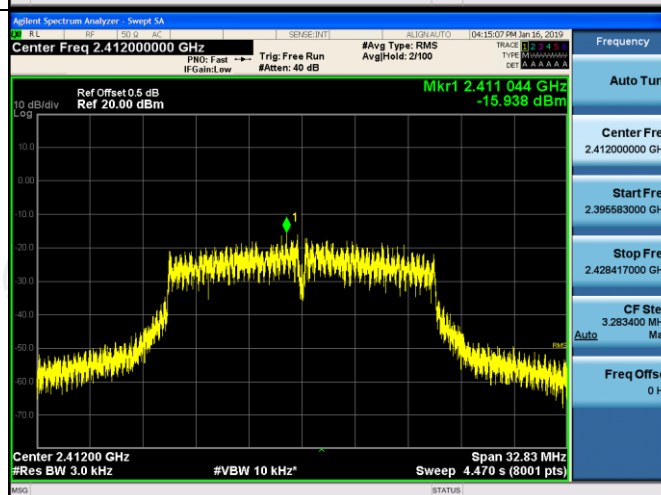
11B/MCH



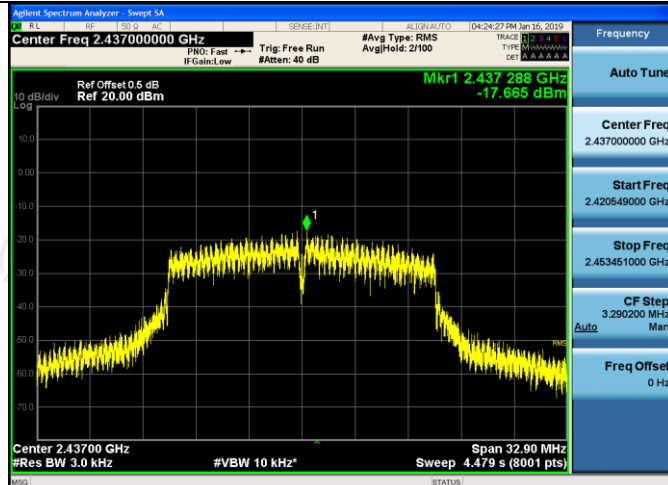
11B/HCH



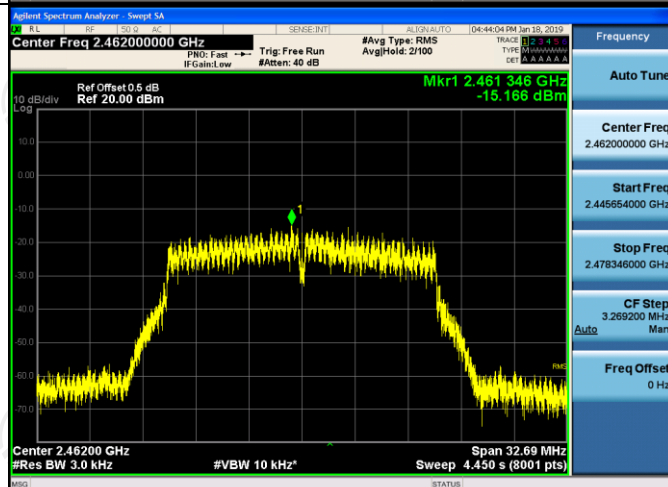
11G/LCH



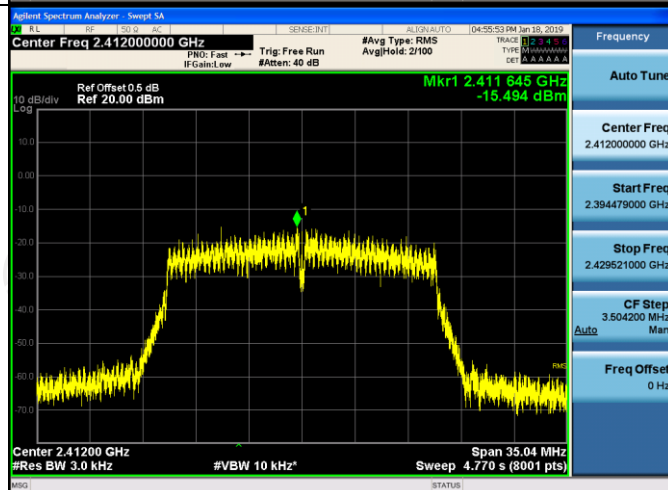
11G/MCH

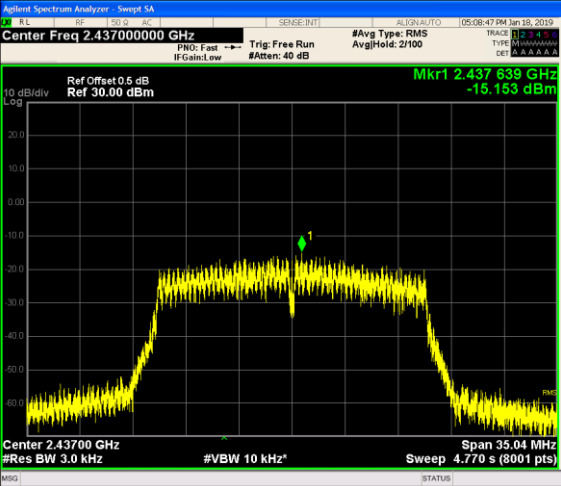
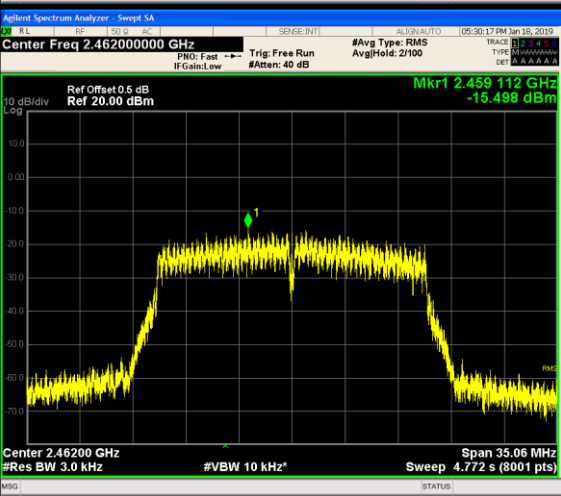
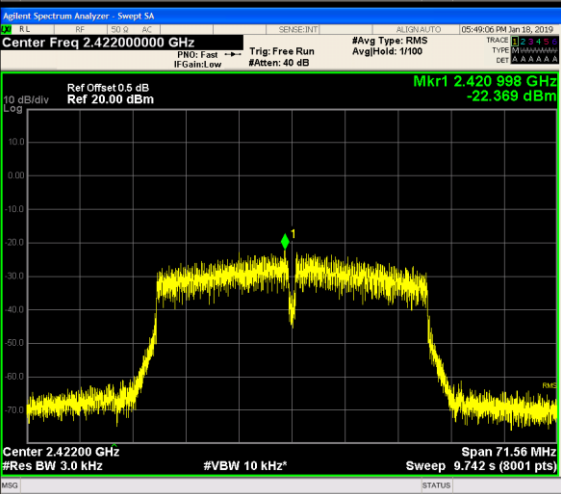


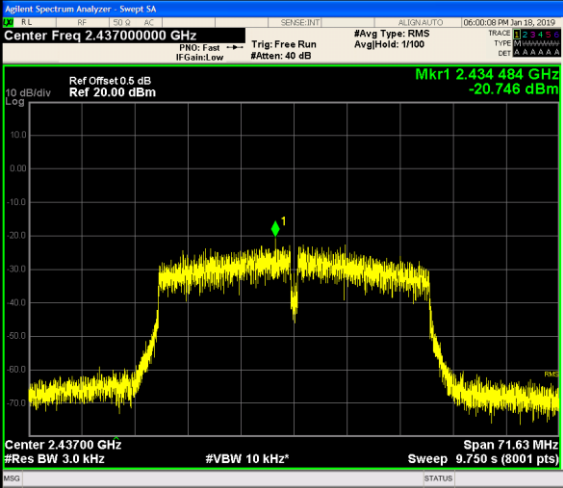
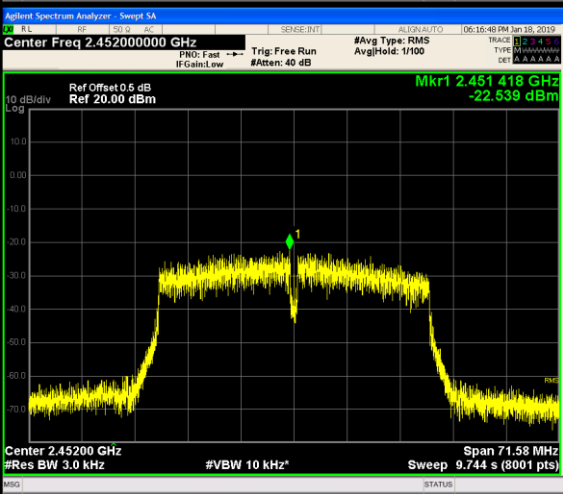
11G/HCH



11N20SISO/LCH



11N20SISO/MCH	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.437000000 GHz Ref Offset 0.5 dB Ref 30.00 dBm Mkr1 2.437 639 GHz -15.153 dBm Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz* Sweep 4.770 s (8001 pts) Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.419482000 GHz Stop Freq 2.454518000 GHz CF Step 3.503600 MHz Auto Man Freq Offset 0 Hz
11N20SISO/HCH	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.462000000 GHz Ref Offset 0.5 dB Ref 20.00 dBm Mkr1 2.459 112 GHz -15.498 dBm Center 2.46200 GHz #Res BW 3.0 kHz #VBW 10 kHz* Sweep 4.772 s (8001 pts) Frequency Auto Tune Center Freq 2.462000000 GHz Start Freq 2.444472000 GHz Stop Freq 2.479528000 GHz CF Step 3.503600 MHz Auto Man Freq Offset 0 Hz
11N40SISO/LCH	 Agilent Spectrum Analyzer - Sweep SA Center Freq 2.422000000 GHz Ref Offset 0.5 dB Ref 20.00 dBm Mkr1 2.420 998 GHz -22.369 dBm Center 2.42200 GHz #Res BW 3.0 kHz #VBW 10 kHz* Sweep 9.742 s (8001 pts) Frequency Auto Tune Center Freq 2.422000000 GHz Start Freq 2.396218000 GHz Stop Freq 2.457782000 GHz CF Step 7.156400 MHz Auto Man Freq Offset 0 Hz

11N40SISO/MCH		Frequency Auto Tune Center Freq 2.437000000 GHz Start Freq 2.401187000 GHz Stop Freq 2.472813000 GHz CF Step 7.162600 MHz Auto Man Freq Offset 0 Hz
11N40SISO/HCH		Frequency Auto Tune Center Freq 2.452000000 GHz Start Freq 2.416209000 GHz Stop Freq 2.487791000 GHz CF Step 7.168200 MHz Auto Man Freq Offset 0 Hz

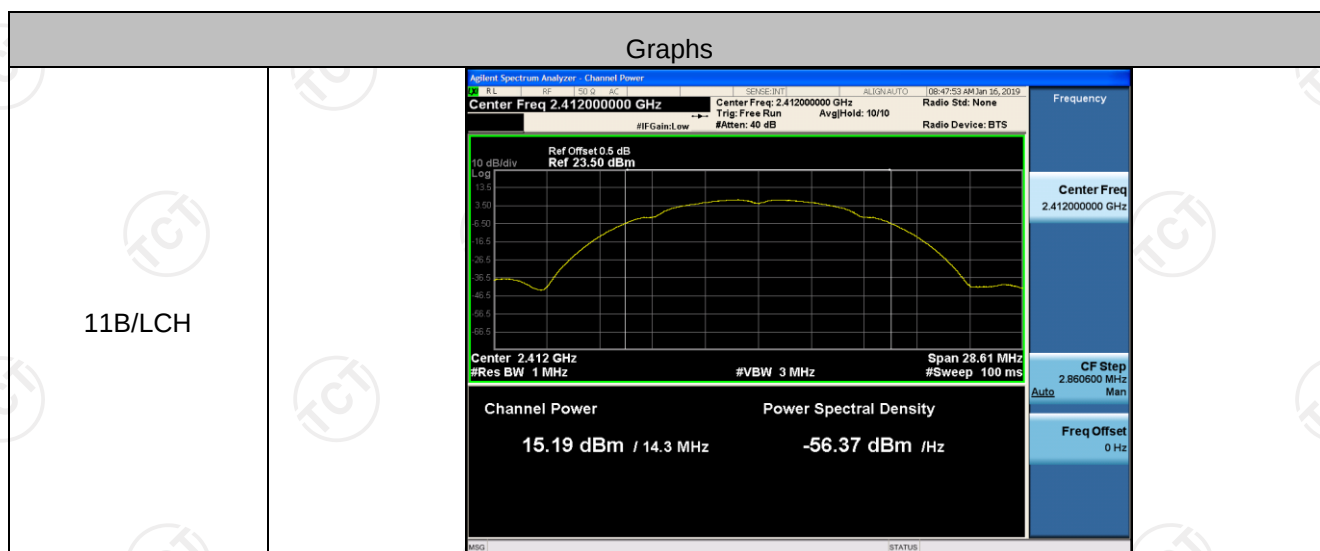
Antenna 1

Conducted Average Output Power

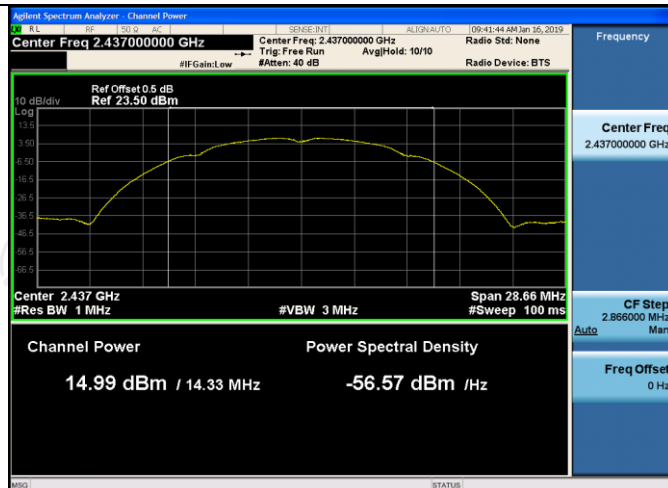
Result Table

Mode	Channel	Meas.Level [dBm]	Verdict
11B	LCH	15.19	PASS
11B	MCH	14.99	PASS
11B	HCH	14.84	PASS
11G	LCH	12.96	PASS
11G	MCH	12.32	PASS
11G	HCH	12.66	PASS
11N20SISO	LCH	12.59	PASS
11N20SISO	MCH	13.07	PASS
11N20SISO	HCH	12.75	PASS
11N40SISO	LCH	11.03	PASS
11N40SISO	MCH	10.66	PASS
11N40SISO	HCH	10.48	PASS

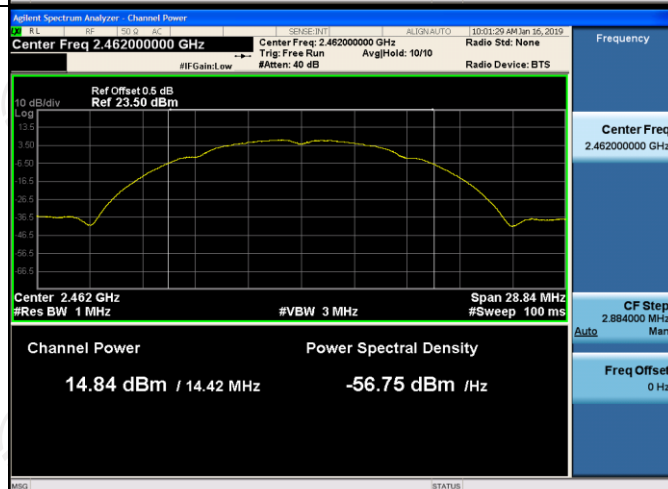
Test Graph



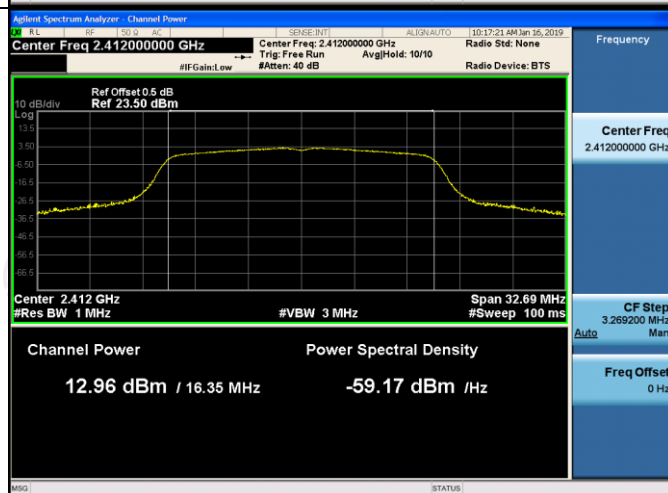
11B/MCH

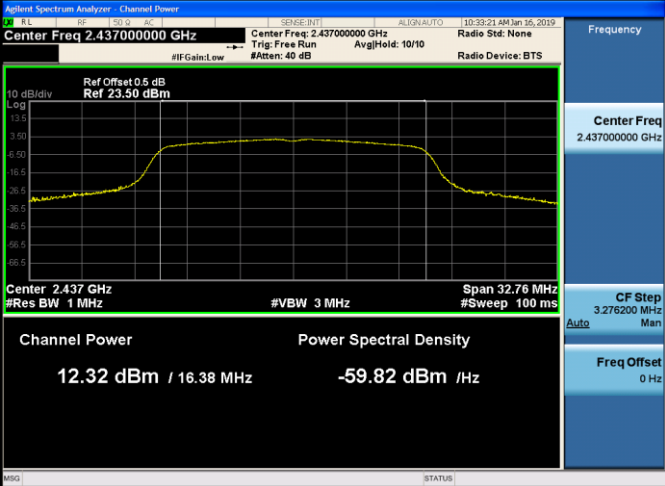
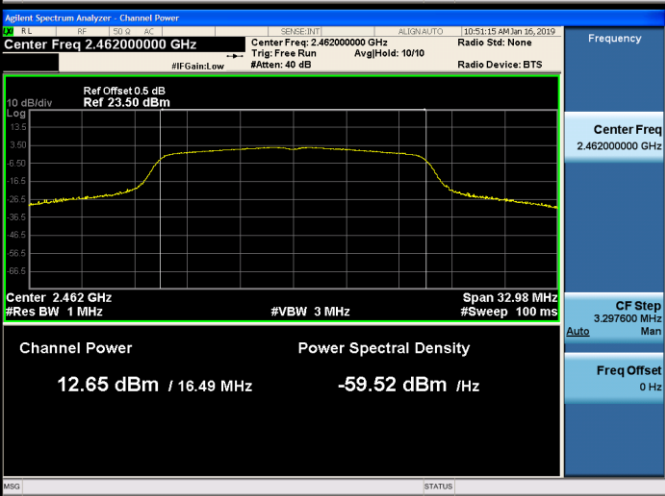
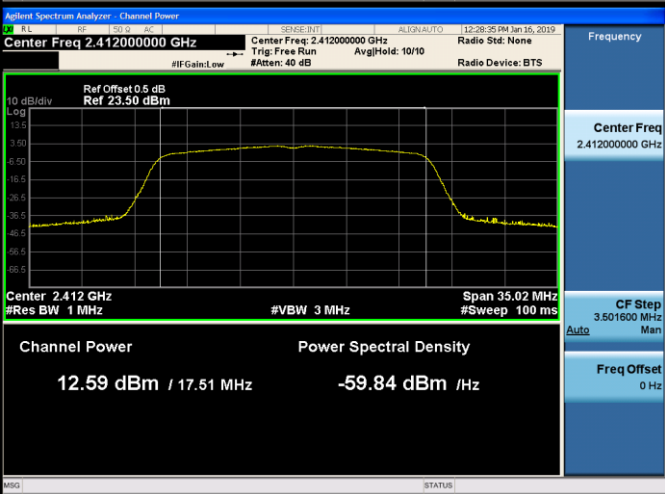


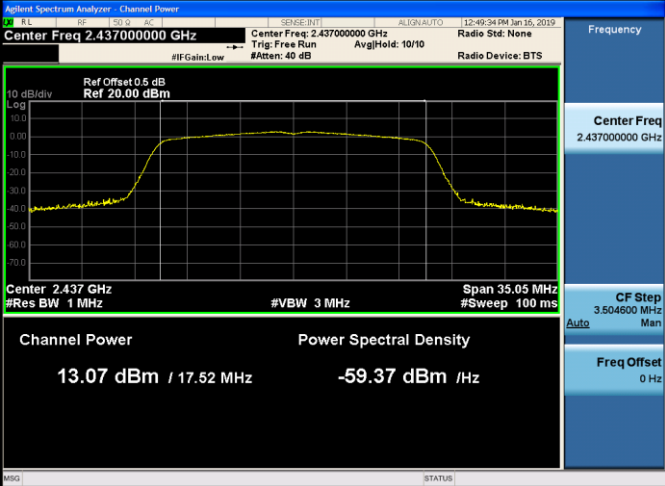
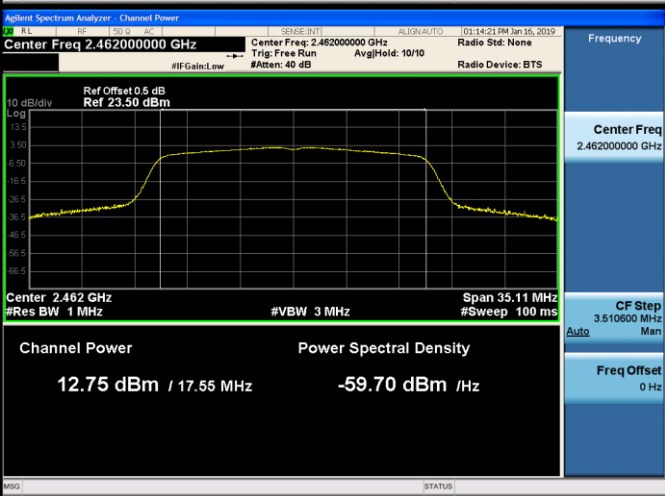
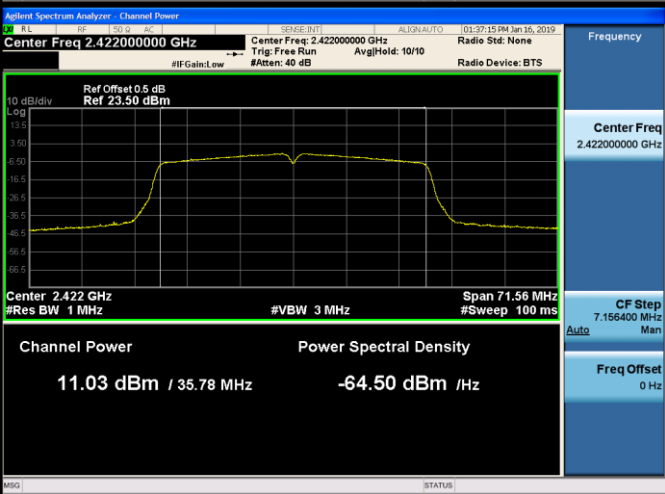
11B/HCH

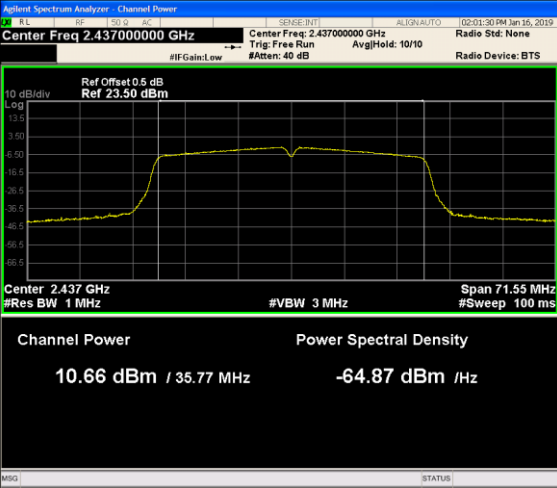
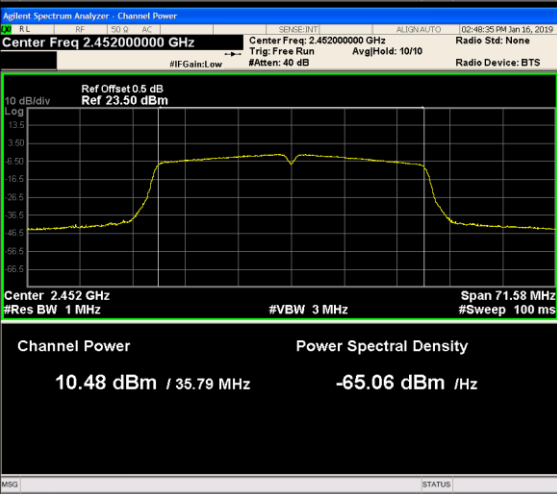


11G/LCH



11G/MCH	
11G/HCH	
11N20SISO/LCH	

11N20SISO/MCH	
11N20SISO/HCH	
11N40SISO/LCH	

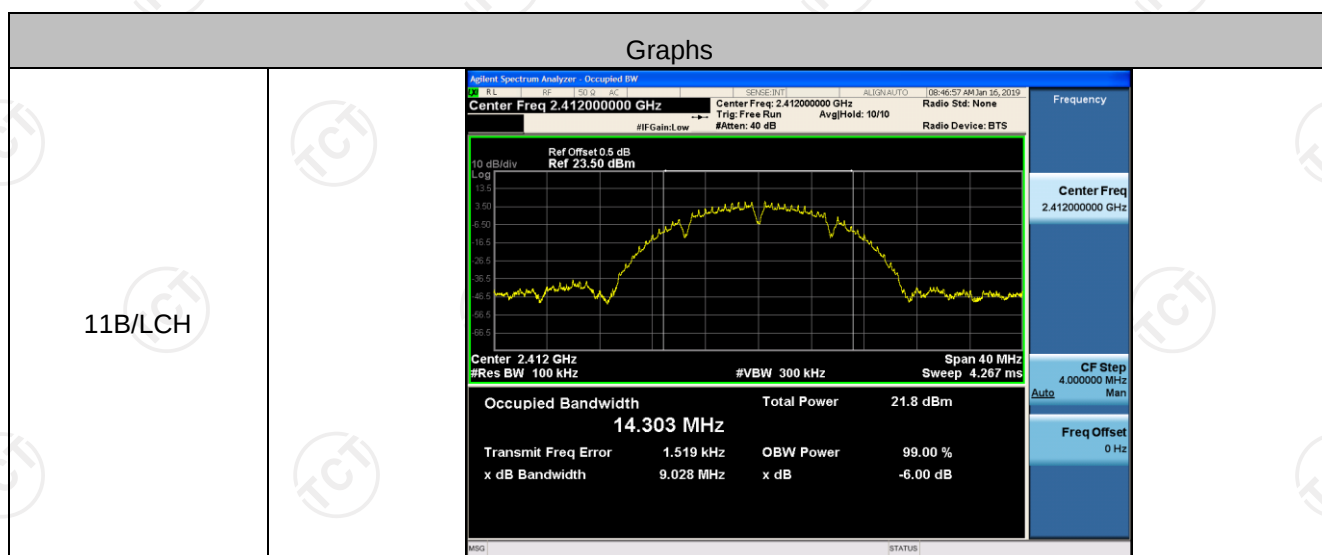
11N40SISO/MCH		Frequency Center Freq 2.437000000 GHz CF Step 7.154600 MHz Freq Offset 0 Hz
11N40SISO/HCH		Frequency Center Freq 2.452000000 GHz CF Step 7.158400 MHz Freq Offset 0 Hz

6dB Occupied Bandwidth

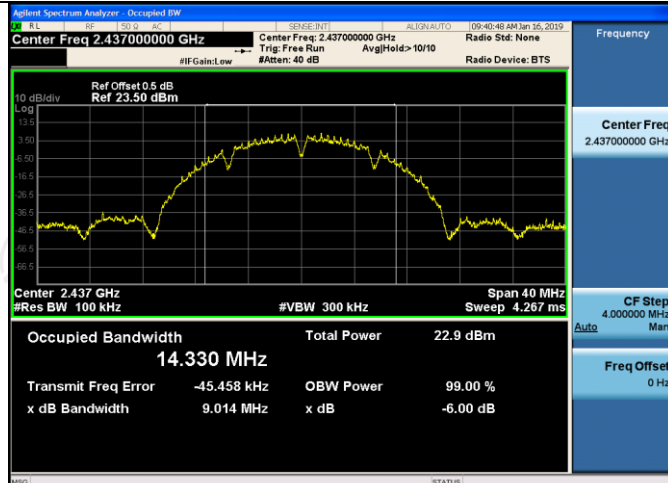
Result Table

Mode	Channel	6dB Bandwidth [MHz]	99% OBW [MHz]	Verdict
11B	LCH	9.028	14.303	PASS
11B	MCH	9.014	14.330	PASS
11B	HCH	9.038	14.420	PASS
11G	LCH	16.32	16.346	PASS
11G	MCH	16.32	16.381	PASS
11G	HCH	16.31	16.488	PASS
11N20SISO	LCH	17.29	17.508	PASS
11N20SISO	MCH	16.90	17.523	PASS
11N20SISO	HCH	17.30	17.553	PASS
11N40SISO	LCH	34.42	35.782	PASS
11N40SISO	MCH	34.71	35.773	PASS
11N40SISO	HCH	32.58	35.792	PASS

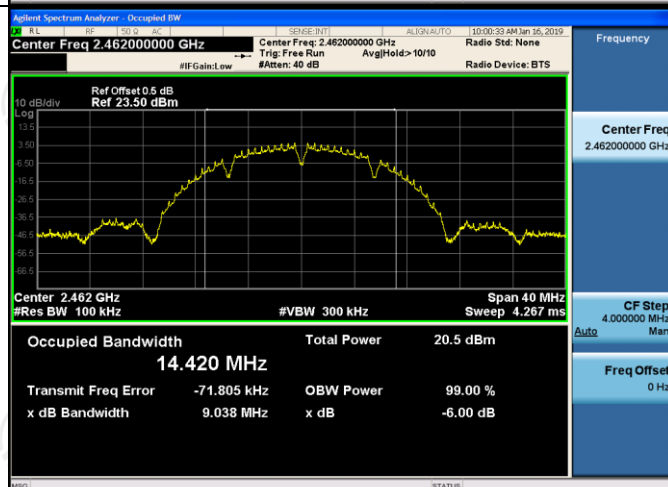
Test Graph



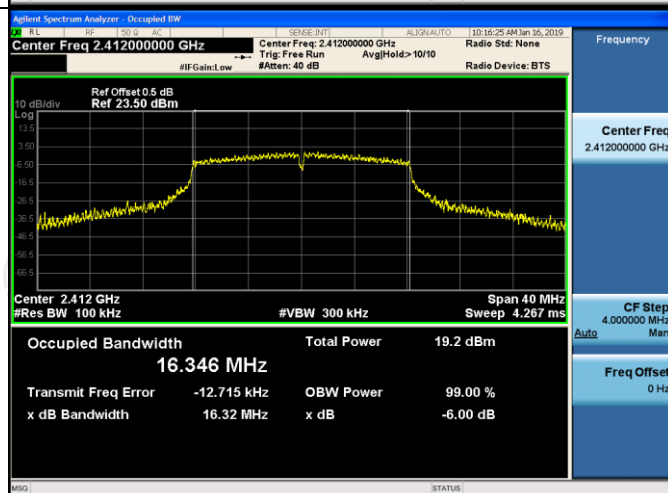
11B/MCH



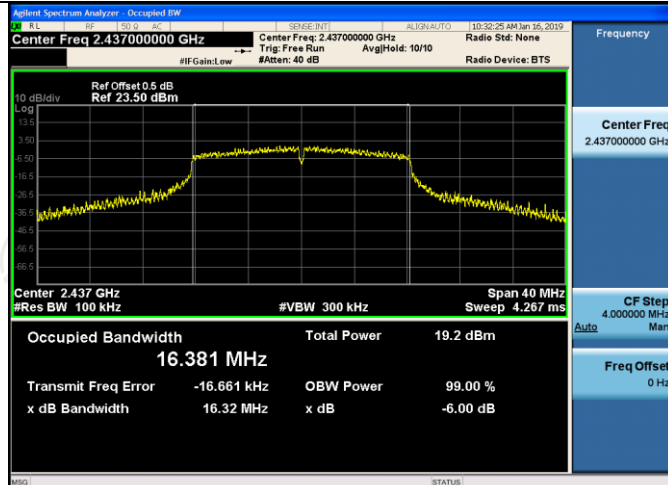
11B/HCH



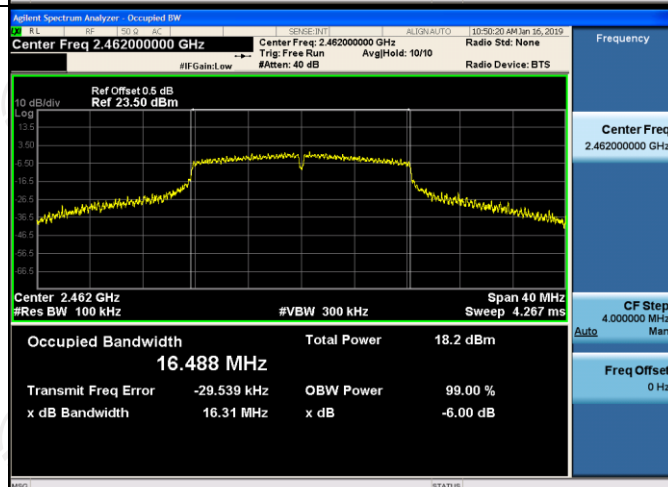
11G/LCH



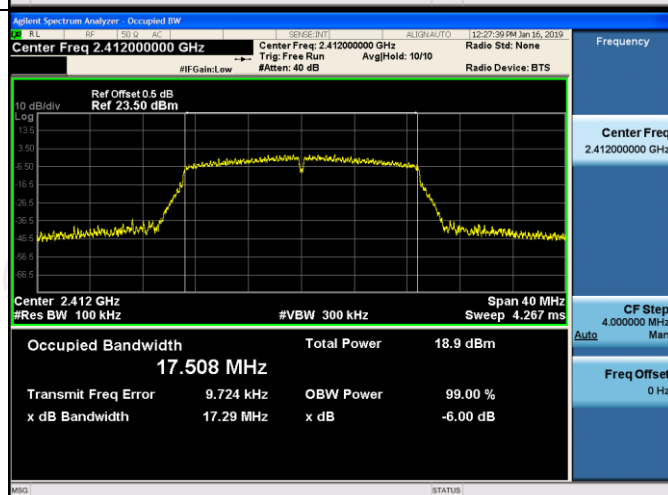
11G/MCH

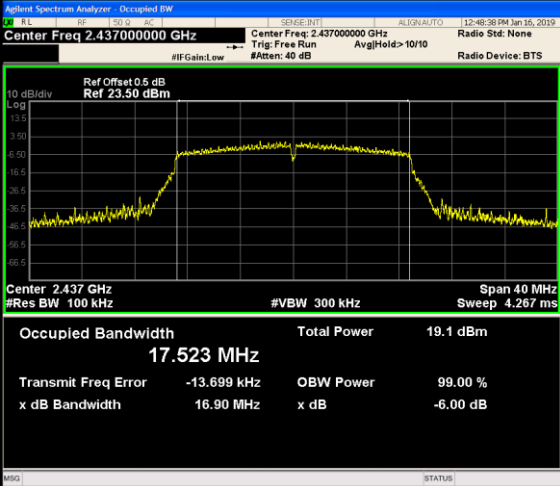
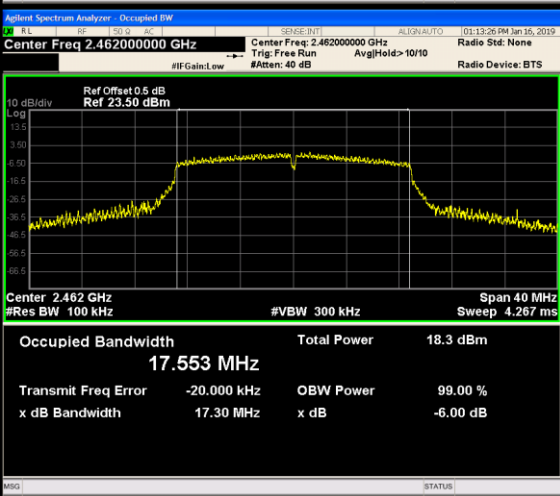
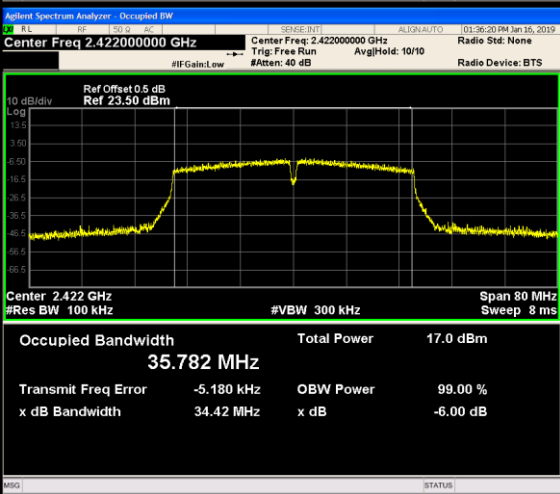


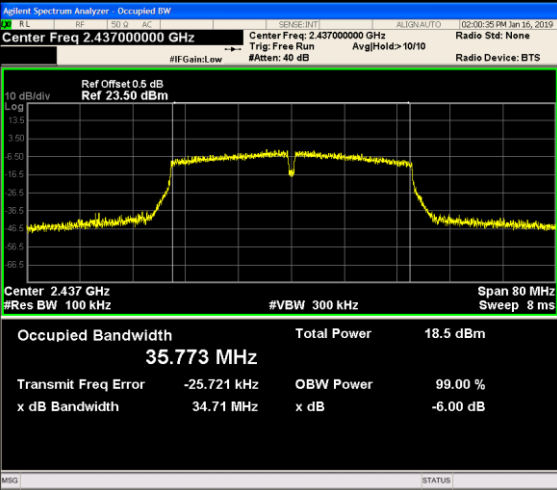
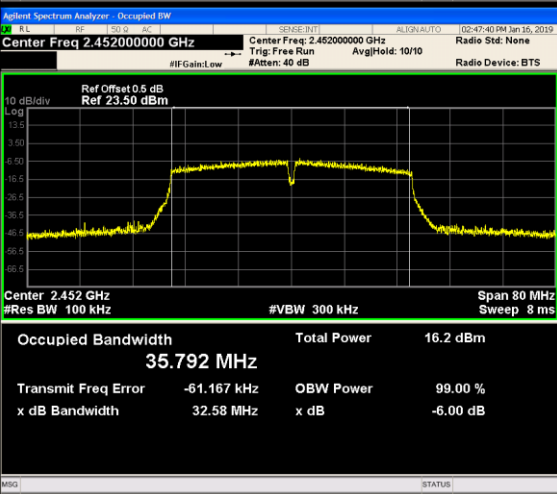
11G/HCH



11N20SISO/LCH



11N20SISO/MCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Center Freq: 2.437000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref Offset: 0.5 dB Ref: 23.50 dBm Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4.267 ms Occupied Bandwidth 17.523 MHz Total Power 19.1 dBm Transmit Freq Error -13.699 kHz OBW Power 99.00 % x dB Bandwidth 16.90 MHz x dB -6.00 dB
11N20SISO/HCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.462000000 GHz Center Freq: 2.462000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref Offset: 0.5 dB Ref: 23.50 dBm Center 2.462 GHz #Res BW 100 kHz #VBW 300 kHz Span 40 MHz Sweep 4.267 ms Occupied Bandwidth 17.553 MHz Total Power 18.3 dBm Transmit Freq Error -20.000 kHz OBW Power 99.00 % x dB Bandwidth 17.30 MHz x dB -6.00 dB
11N40SISO/LCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.422000000 GHz Center Freq: 2.422000000 GHz Trig: Free Run Avg/Hold: 10/10 Radio Std: None Radio Device: BTS Ref Offset: 0.5 dB Ref: 23.50 dBm Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 80 MHz Sweep 8 ms Occupied Bandwidth 35.782 MHz Total Power 17.0 dBm Transmit Freq Error -5.180 kHz OBW Power 99.00 % x dB Bandwidth 34.42 MHz x dB -6.00 dB

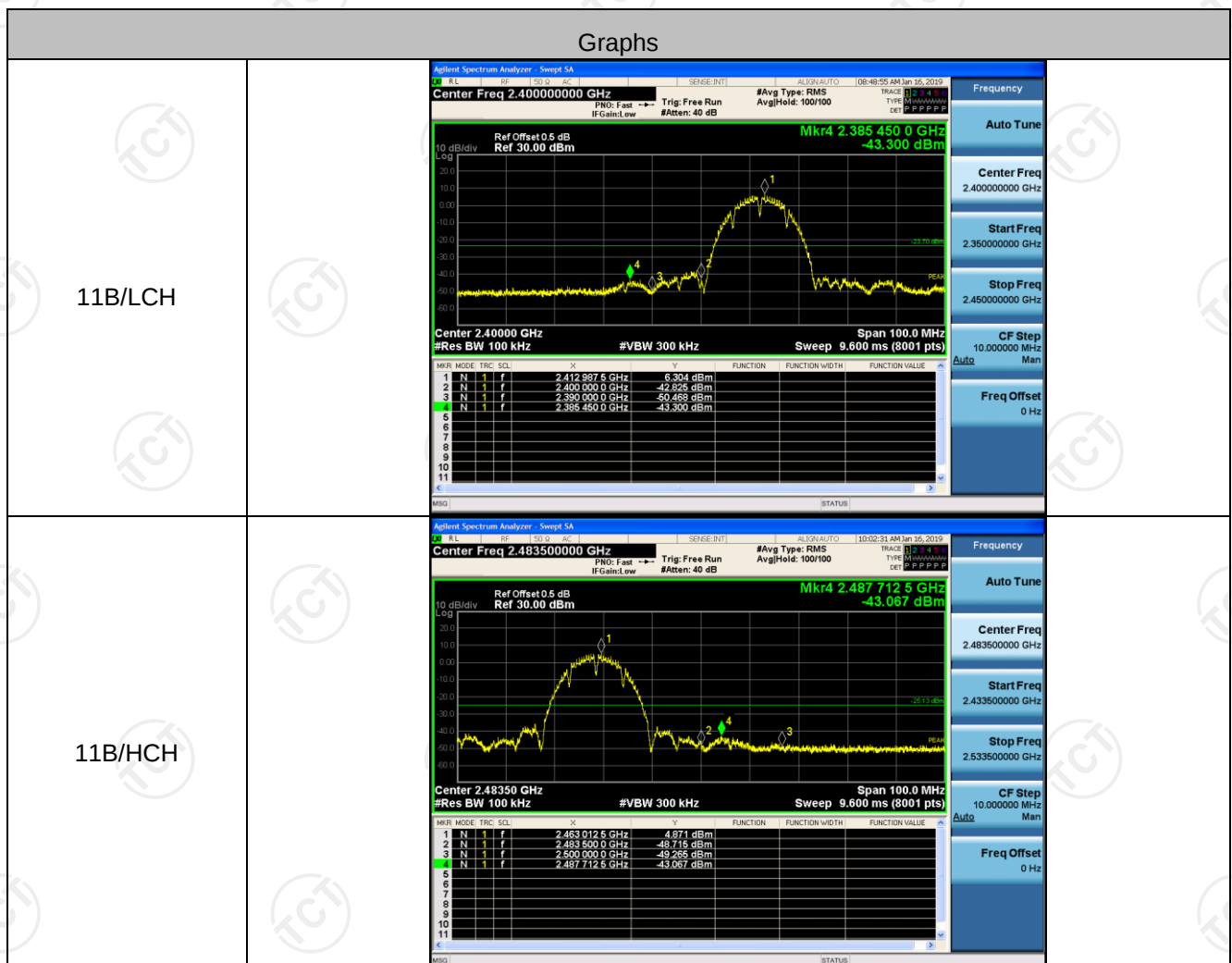
11N40SISO/MCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Ref Offset 0.5 dB Ref 23.50 dBm Center 2.437 GHz #Res BW 100 kHz Occupied Bandwidth 35.773 MHz Total Power 18.5 dBm Transmit Freq Error -25.721 kHz OBW Power 99.00 % x dB Bandwidth 34.71 MHz x dB -6.00 dB	Frequency Center Freq 2.437000000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz
11N40SISO/HCH	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.452000000 GHz Ref Offset 0.5 dB Ref 23.50 dBm Center 2.452 GHz #Res BW 100 kHz Occupied Bandwidth 35.792 MHz Total Power 16.2 dBm Transmit Freq Error -61.167 kHz OBW Power 99.00 % x dB Bandwidth 32.58 MHz x dB -6.00 dB	Frequency Center Freq 2.452000000 GHz CF Step 8.000000 MHz Freq Offset 0 Hz

Band-edge for RF Conducted Emissions

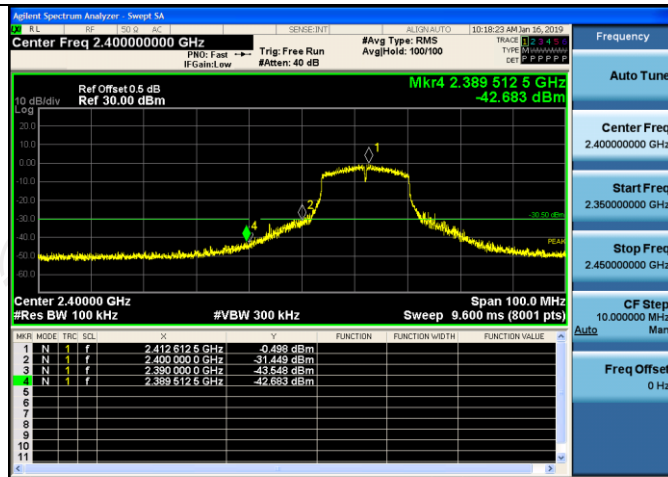
Result Table

Mode	Channel	Carrier Power [dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	6.304	-43.300	-23.7	PASS
11B	HCH	4.871	-43.067	-25.13	PASS
11G	LCH	-0.498	-42.683	-30.5	PASS
11G	HCH	0.757	-39.760	-29.24	PASS
11N20SISO	LCH	0.038	-46.217	-29.96	PASS
11N20SISO	HCH	0.561	-41.772	-29.44	PASS
11N40SISO	LCH	-4.361	-41.955	-34.36	PASS
11N40SISO	HCH	-4.426	-43.255	-34.43	PASS

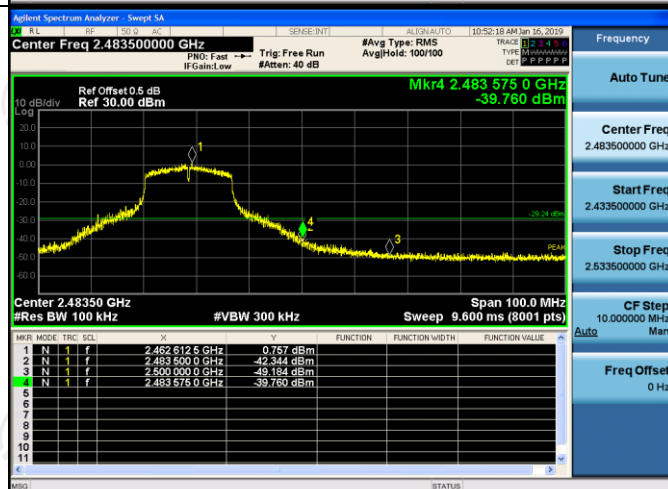
Test Graph



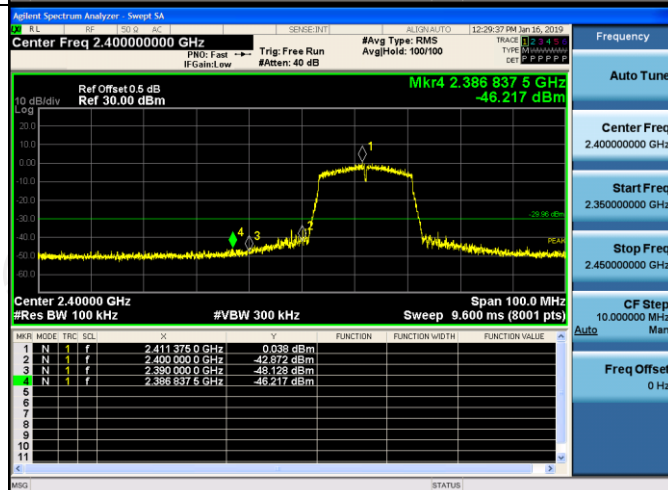
11G/LCH



11G/HCH



11N20SISO/LCH



11N20ISO/HCH	Agilent Spectrum Analyzer - Sweep SA RL SENSE INT ALGN AUTO 01:15:24 PM Jan 15, 2019 Center Freq 2.483500000 GHz PRG: Fast IF Gain: Low Trig: Free Run #Atten: 40 dB #Avg Type: RMS Avg/Hold: 100/100 TRACE TYPE: Measurement DET: P P P P P Ref Offset 0.5 dB Ref 30.00 dBm Mkr4 2.484 850 0 GHz -41.772 dBm 10 dB/div Log Center 2.48350 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.600 ms (8001 pts) Span 100.0 MHz <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.460 750 0 GHz</td><td>-0.561 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>-43.819 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.500 000 0 GHz</td><td>-49.782 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.484 850 0 GHz</td><td>-41.772 dBm</td><td></td><td></td><td></td></tr></table> MSG STATUS Frequency Auto Tune Center Freq 2.483500000 GHz Start Freq 2.433500000 GHz Stop Freq 2.533500000 GHz CF Step 10.000000 MHz Auto Freq Offset 0 Hz	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.460 750 0 GHz	-0.561 dBm				2	N	1	f	2.483 500 0 GHz	-43.819 dBm				3	N	1	f	2.500 000 0 GHz	-49.782 dBm				4	N	1	f	2.484 850 0 GHz	-41.772 dBm			
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																						
1	N	1	f	2.460 750 0 GHz	-0.561 dBm																																									
2	N	1	f	2.483 500 0 GHz	-43.819 dBm																																									
3	N	1	f	2.500 000 0 GHz	-49.782 dBm																																									
4	N	1	f	2.484 850 0 GHz	-41.772 dBm																																									
11N40ISO/LCH	Agilent Spectrum Analyzer - Sweep SA RL SENSE INT ALGN AUTO 01:38:18 PM Jan 15, 2019 Center Freq 2.400000000 GHz PRG: Fast IF Gain: Low Trig: Free Run #Atten: 40 dB #Avg Type: RMS Avg/Hold: 100/100 TRACE TYPE: Measurement DET: P P P P P Ref Offset 0.5 dB Ref 30.00 dBm Mkr4 2.389 537 5 GHz -41.955 dBm 10 dB/div Log Center 2.40000 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.600 ms (8001 pts) Span 100.0 MHz <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.419 475 0 GHz</td><td>-4.361 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.400 000 0 GHz</td><td>-44.626 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>-47.030 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.389 537 5 GHz</td><td>-41.955 dBm</td><td></td><td></td><td></td></tr></table> MSG STATUS Frequency Auto Tune Center Freq 2.400000000 GHz Start Freq 2.350000000 GHz Stop Freq 2.450000000 GHz CF Step 10.000000 MHz Auto Freq Offset 0 Hz	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.419 475 0 GHz	-4.361 dBm				2	N	1	f	2.400 000 0 GHz	-44.626 dBm				3	N	1	f	2.390 000 0 GHz	-47.030 dBm				4	N	1	f	2.389 537 5 GHz	-41.955 dBm			
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																						
1	N	1	f	2.419 475 0 GHz	-4.361 dBm																																									
2	N	1	f	2.400 000 0 GHz	-44.626 dBm																																									
3	N	1	f	2.390 000 0 GHz	-47.030 dBm																																									
4	N	1	f	2.389 537 5 GHz	-41.955 dBm																																									
11N40ISO/HCH	Agilent Spectrum Analyzer - Sweep SA RL SENSE INT ALGN AUTO 02:49:38 PM Jan 15, 2019 Center Freq 2.483500000 GHz PRG: Fast IF Gain: Low Trig: Free Run #Atten: 40 dB #Avg Type: RMS Avg/Hold: 100/100 TRACE TYPE: Measurement DET: P P P P P Ref Offset 0.5 dB Ref 30.00 dBm Mkr4 2.483 875 0 GHz -43.255 dBm 10 dB/div Log Center 2.48350 GHz #Res BW 100 kHz #VBW 300 kHz Sweep 9.600 ms (8001 pts) Span 100.0 MHz <table><tr><th>MKR</th><th>MODE</th><th>TRC</th><th>SCL</th><th>X</th><th>Y</th><th>FUNCTION</th><th>FUNCTION WIDTH</th><th>FUNCTION VALUE</th></tr><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.483 225 0 GHz</td><td>-4.425 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>-46.280 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td>N</td><td>1</td><td>f</td><td>2.500 000 0 GHz</td><td>-48.335 dBm</td><td></td><td></td><td></td></tr><tr><td>4</td><td>N</td><td>1</td><td>f</td><td>2.483 875 0 GHz</td><td>-43.255 dBm</td><td></td><td></td><td></td></tr></table> MSG STATUS Frequency Auto Tune Center Freq 2.483500000 GHz Start Freq 2.433500000 GHz Stop Freq 2.533500000 GHz CF Step 10.000000 MHz Auto Freq Offset 0 Hz	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.483 225 0 GHz	-4.425 dBm				2	N	1	f	2.483 500 0 GHz	-46.280 dBm				3	N	1	f	2.500 000 0 GHz	-48.335 dBm				4	N	1	f	2.483 875 0 GHz	-43.255 dBm			
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																						
1	N	1	f	2.483 225 0 GHz	-4.425 dBm																																									
2	N	1	f	2.483 500 0 GHz	-46.280 dBm																																									
3	N	1	f	2.500 000 0 GHz	-48.335 dBm																																									
4	N	1	f	2.483 875 0 GHz	-43.255 dBm																																									

RF Conducted Spurious Emissions

Result Table

Mode	Channel	Pref [dBm]	Puw [dBm]	Verdict
11B	LCH	6.744	<Limit	PASS
11B	MCH	5.452	<Limit	PASS
11B	HCH	5.408	<Limit	PASS
11G	LCH	-0.329	<Limit	PASS
11G	MCH	-0.769	<Limit	PASS
11G	HCH	0.559	<Limit	PASS
11N20SISO	LCH	-0.216	<Limit	PASS
11N20SISO	MCH	0.779	<Limit	PASS
11N20SISO	HCH	0.382	<Limit	PASS
11N40SISO	LCH	-4.207	<Limit	PASS
11N40SISO	MCH	-4.319	<Limit	PASS
11N40SISO	HCH	-4.513	<Limit	PASS

Test Graph

