

Appendix C

RF Test Data for 2.4G WIFI (Conducted Measurement)

Product Name: Carrier Air Monitor

Trade Mark: N/A

Test Model: IEQCCWWRT01

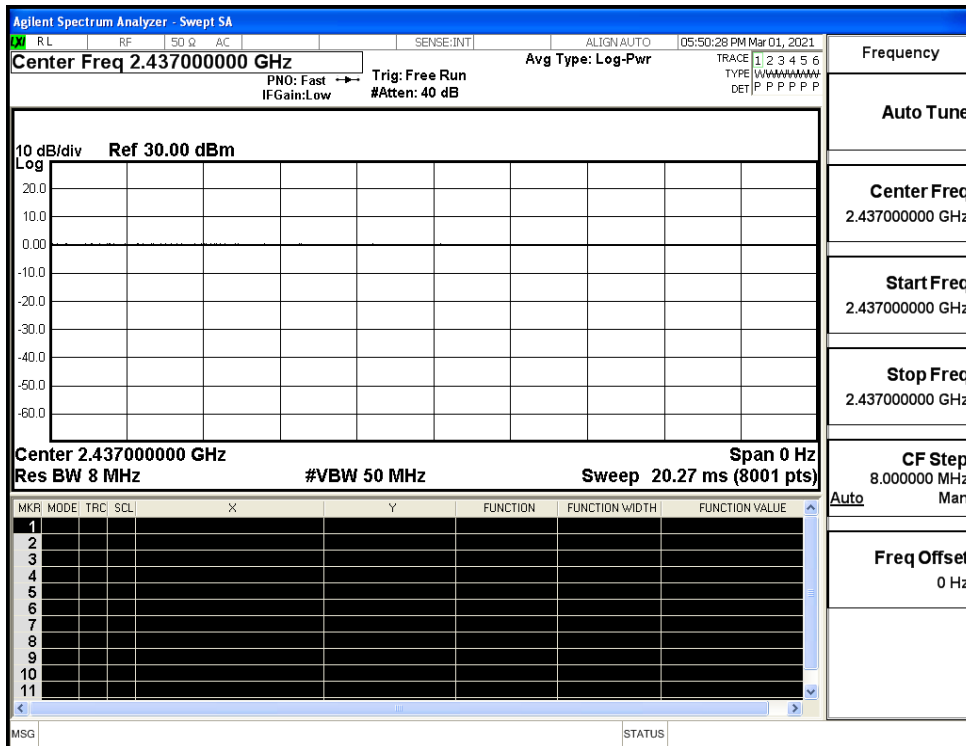
Environmental Conditions

Temperature:	22.5° C
Relative Humidity:	53.8%
ATM Pressure:	100.0 kPa
Test Engineer:	Diamond Lu
Supervised by:	Li Huan

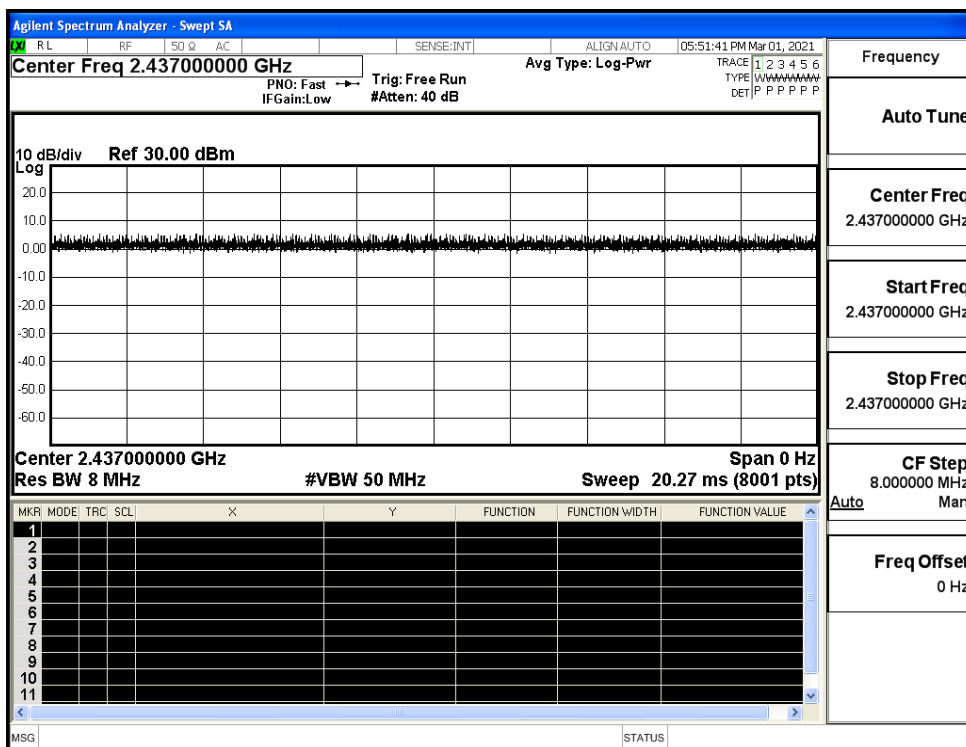
C.1 Duty Cycle

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

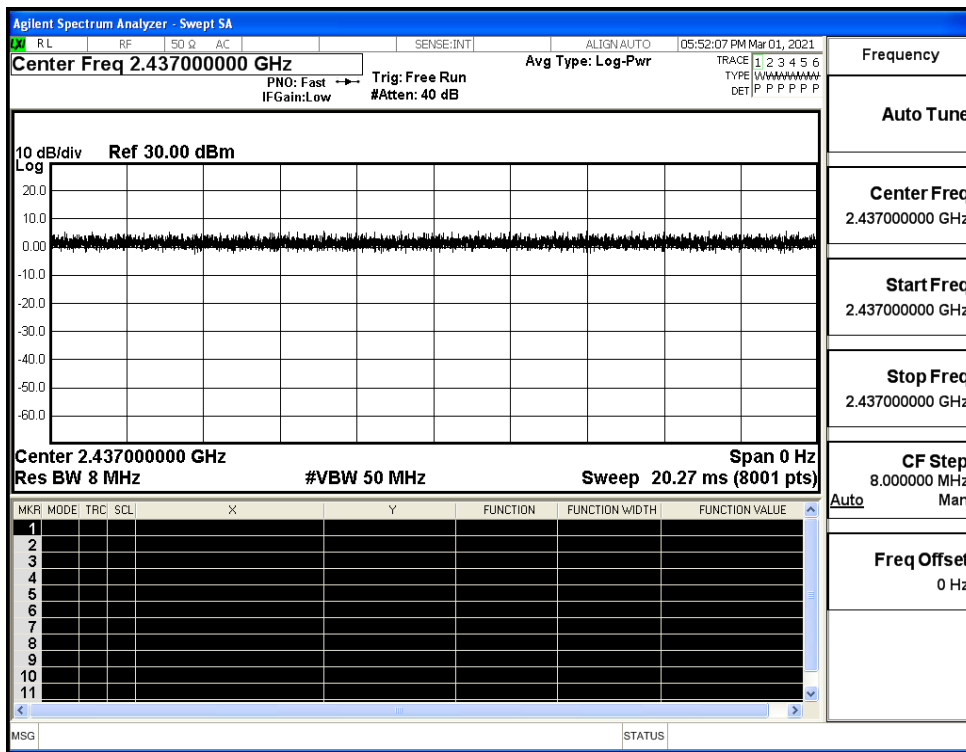
Duty Cycle_11B_2437_Ant1



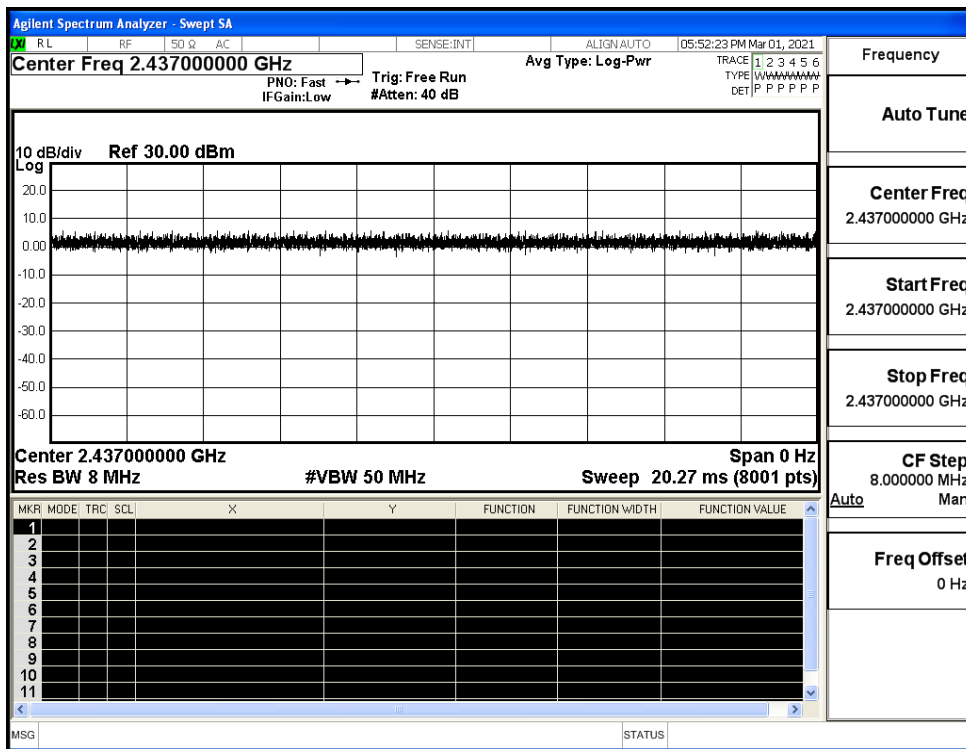
Duty Cycle_11G_2437_Ant1



Duty Cycle_11N20SISO_2437_Ant1



Duty Cycle_11N40SISO_2437_Ant1

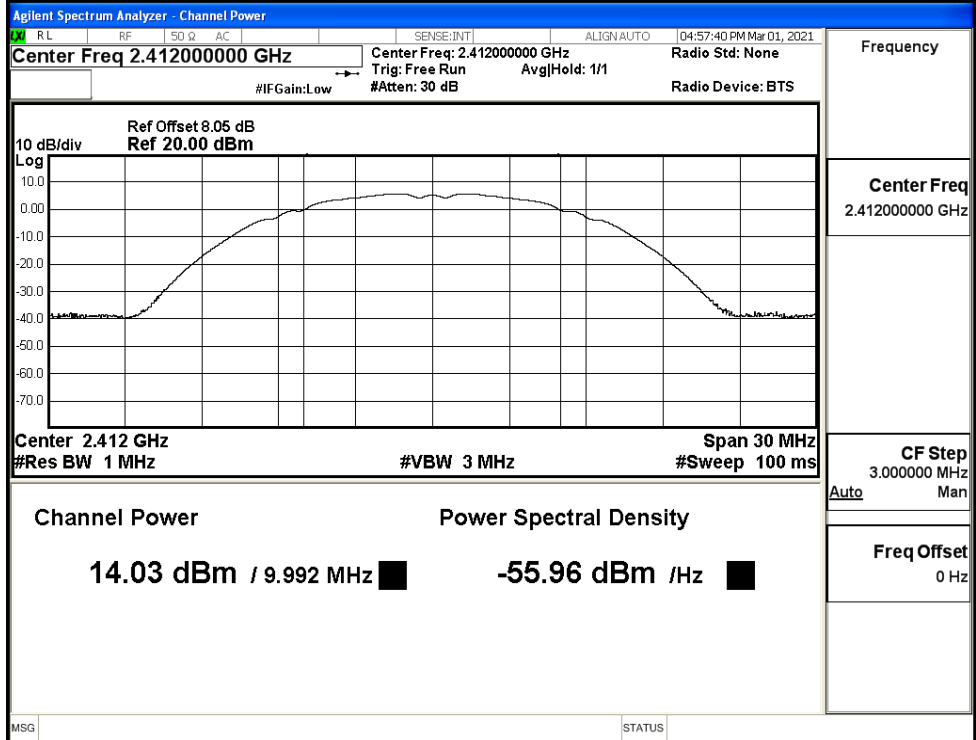


C.2 Maximum Conducted Output Power

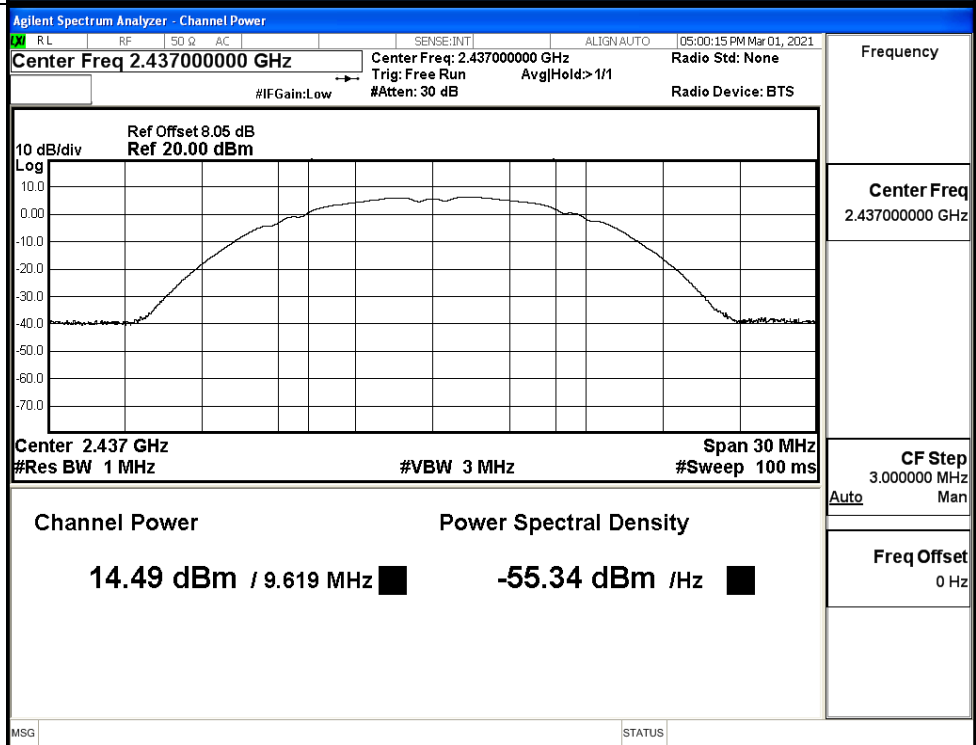
Mode	Channel	Meas.Level [dBm]	Limit [dBm]	Verdict
11B	LCH	14.03	30	PASS
	MCH	14.49	30	PASS
	HCH	12.96	30	PASS
11G	LCH	15.23	30	PASS
	MCH	14.79	30	PASS
	HCH	14.06	30	PASS
11N20SISO	LCH	14.44	30	PASS
	MCH	15.18	30	PASS
	HCH	14.99	30	PASS
11N40SISO	LCH	14.72	30	PASS
	MCH	14.92	30	PASS
	HCH	14.87	30	PASS

Test Graphs

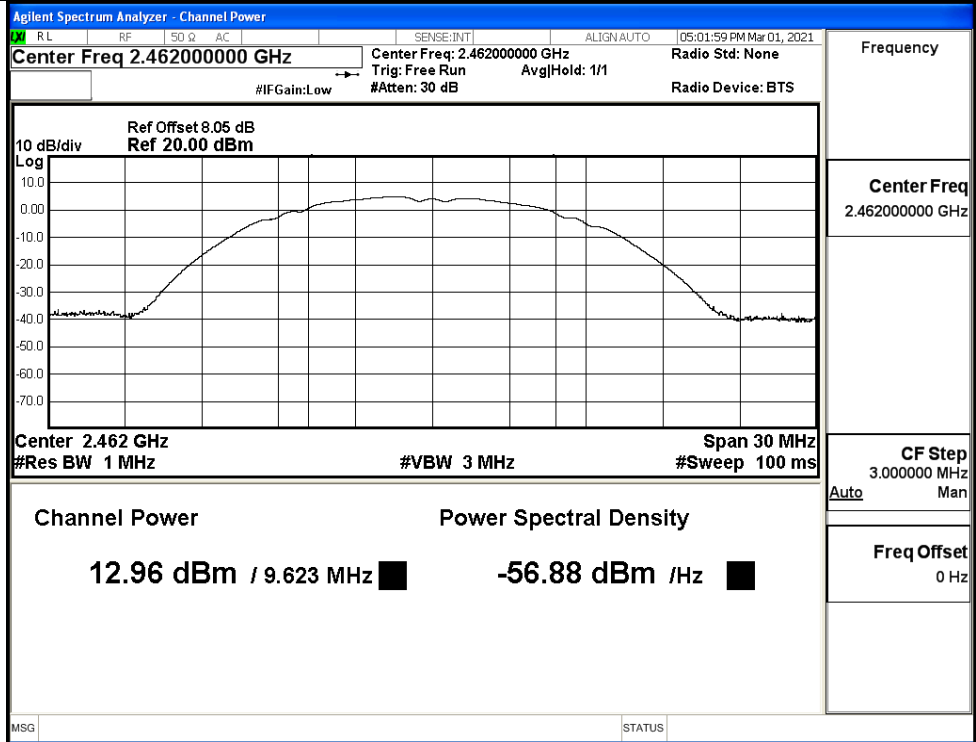
11B/LCH



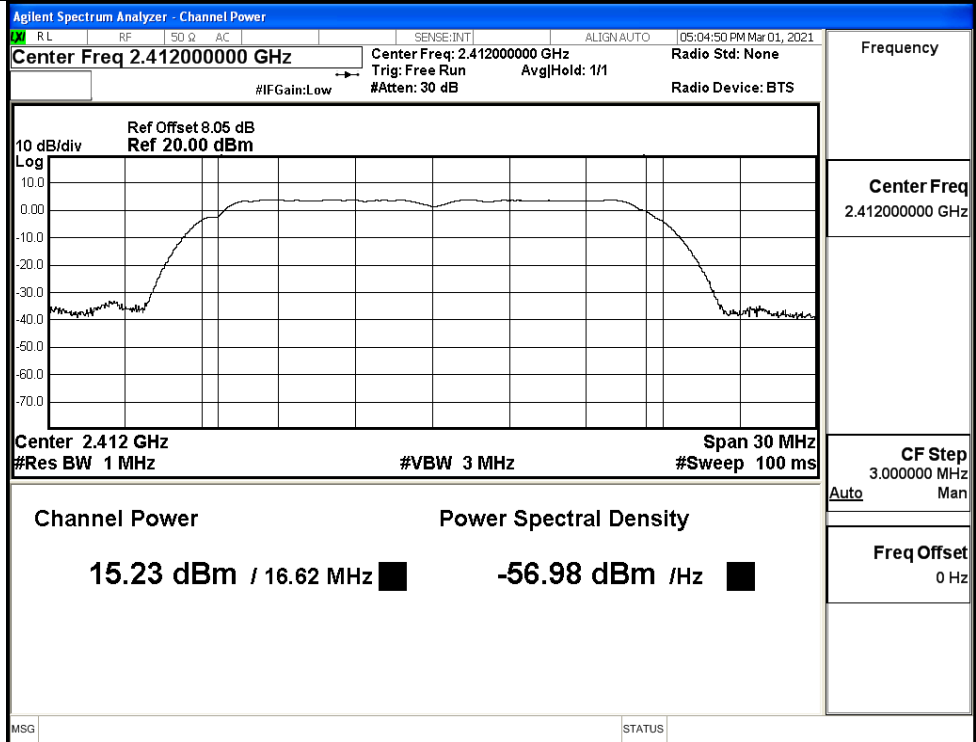
11B/MCH

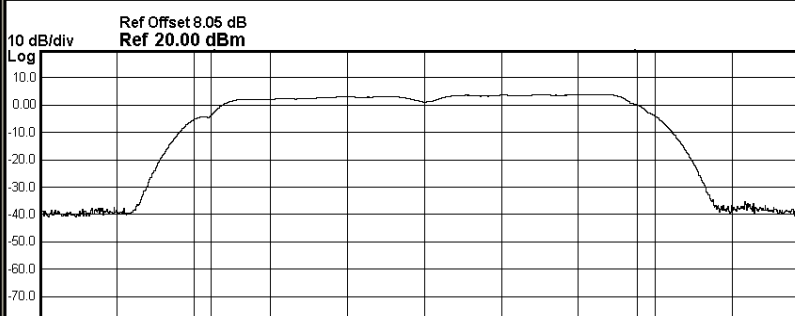
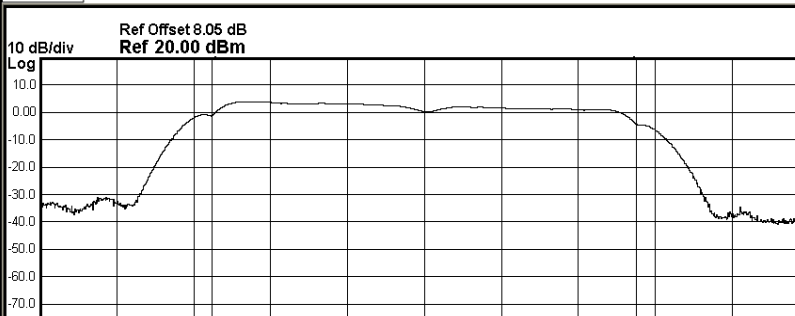


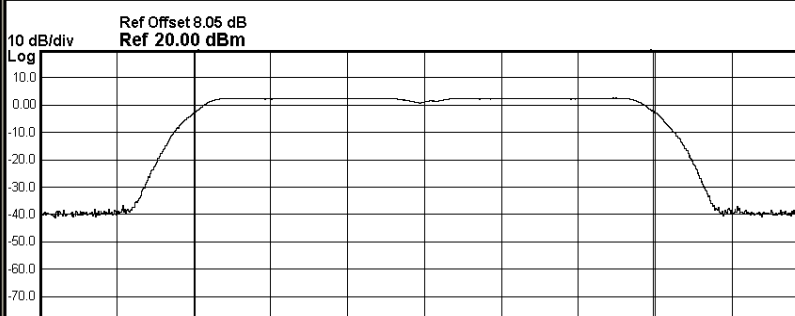
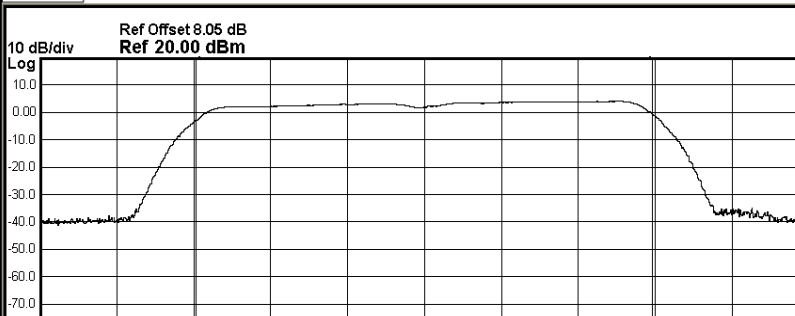
11B/HCH

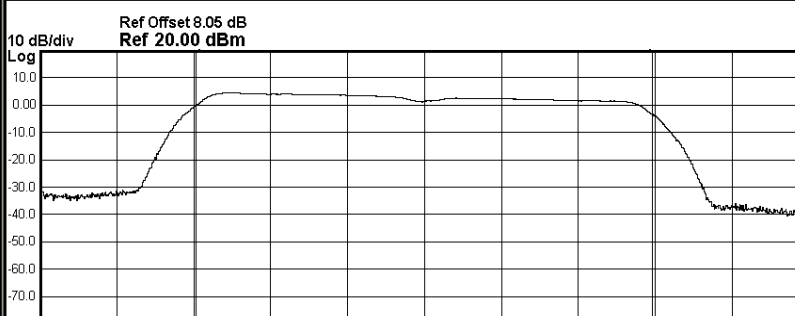
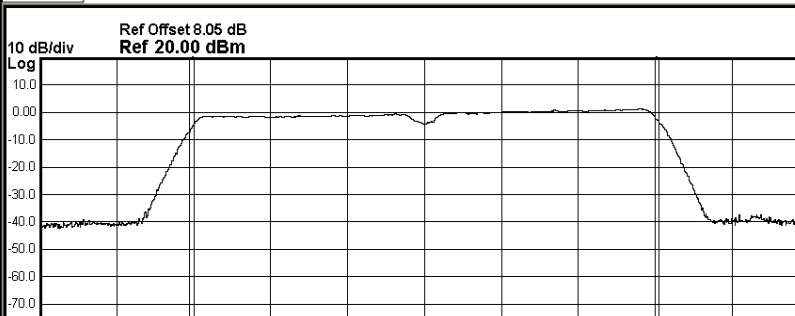


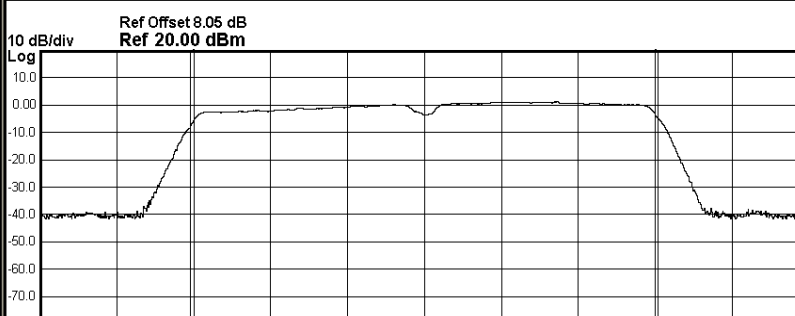
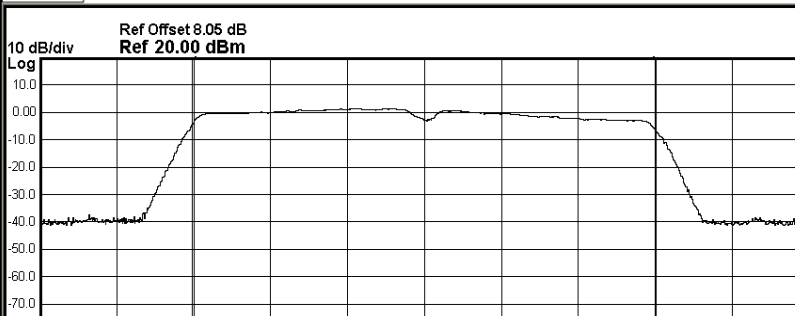
11G/LCH



<p>11G/MCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>RL RF SO Q AC SENSE:INT ALIGN AUTO 05:07:17 PM Mar 01, 2021</p> <p>Center Freq 2.437000000 GHz Center Freq: 2.437000000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.437 GHz Span 30 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p>14.79 dBm / 16.55 MHz -57.40 dBm /Hz</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 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>RL RF SO Q AC SENSE:INT ALIGN AUTO 05:09:50 PM Mar 01, 2021</p> <p>Center Freq 2.462000000 GHz Center Freq: 2.462000000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.462 GHz Span 30 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p>14.06 dBm / 16.54 MHz -58.12 dBm /Hz</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 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>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:17:56 PM Mar 01, 2021</p> <p>Center Freq 2.41200000 GHz Center Freq: 2.412000000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.412 GHz Span 30 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p>14.44 dBm / 17.84 MHz -58.07 dBm /Hz</p> <p>MSG STATUS</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>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:26:31 PM Mar 01, 2021</p> <p>Center Freq 2.43700000 GHz Center Freq: 2.437000000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.437 GHz Span 30 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p>15.18 dBm / 17.78 MHz -57.32 dBm /Hz</p> <p>MSG STATUS</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>

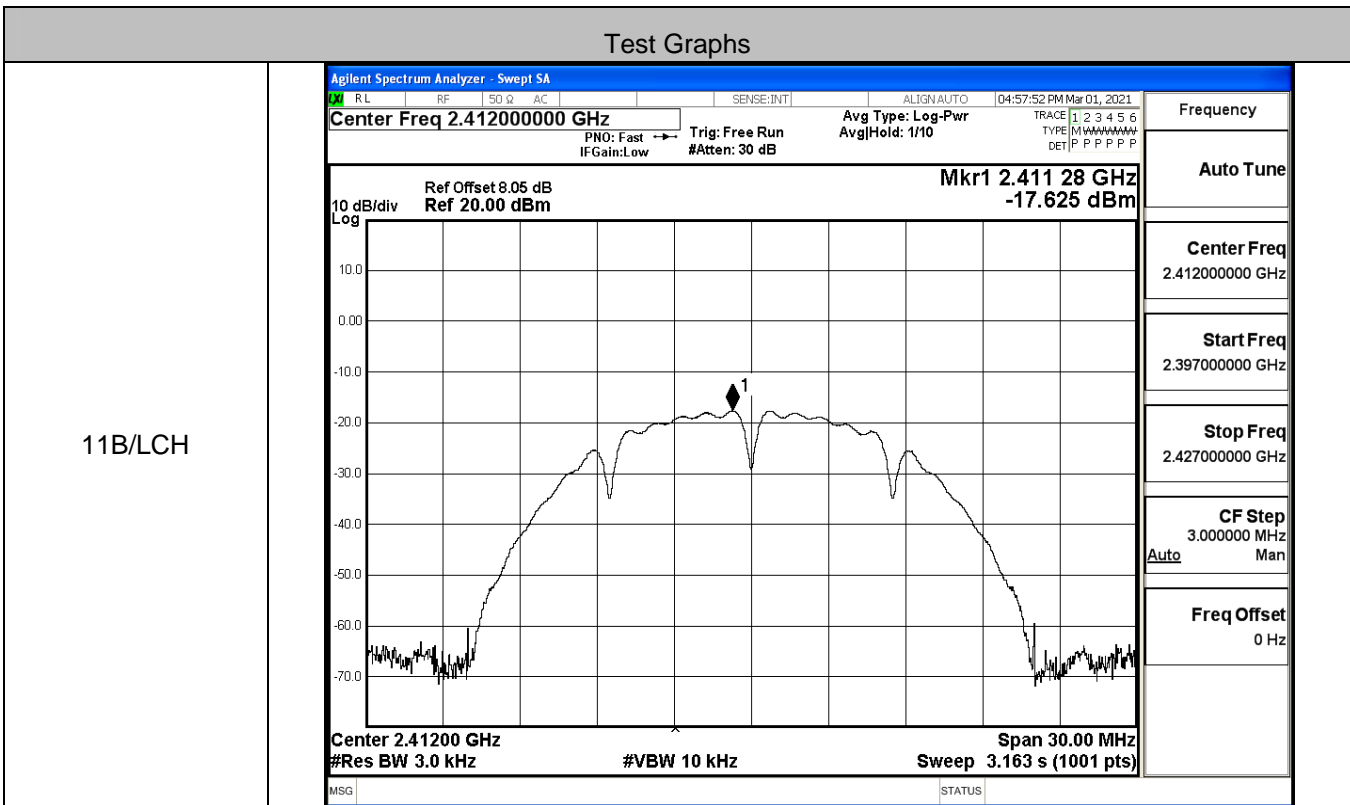
<p>11N20SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:36:20 PM Mar 01, 2021</p> <p>Center Freq 2.46200000 GHz Center Freq: 2.462000000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.462 GHz Span 30 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p>14.99 dBm / 17.75 MHz -57.51 dBm /Hz</p> <p>MSG STATUS</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 - Channel Power</p> <p>RL RF 50 Ω AC SENSE:INT ALIGN AUTO 05:38:52 PM Mar 01, 2021</p> <p>Center Freq 2.42200000 GHz Center Freq: 2.422000000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.422 GHz Span 60 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p>14.72 dBm / 36.52 MHz -60.90 dBm /Hz</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.42200000 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 - Channel Power</p> <p>RL RF SO Q AC SENSE:INT ALIGN AUTO 05:44:23 PM Mar 01, 2021</p> <p>Center Freq 2.43700000 GHz Center Freq: 2.43700000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.437 GHz Span 60 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p>14.92 dBm / 36.37 MHz -60.69 dBm /Hz</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 6.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>11N40SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Channel Power</p> <p>RL RF SO Q AC SENSE:INT ALIGN AUTO 05:47:27 PM Mar 01, 2021</p> <p>Center Freq 2.45200000 GHz Center Freq: 2.45200000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Center 2.452 GHz Span 60 MHz #Res BW 1 MHz #VBW 3 MHz #Sweep 100 ms</p> <p>Channel Power Power Spectral Density</p> <p>14.87 dBm / 36.11 MHz -60.71 dBm /Hz</p> <p>MSG STATUS</p>	<p>Frequency</p> <p>Center Freq 2.45200000 GHz</p> <p>CF Step 6.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>

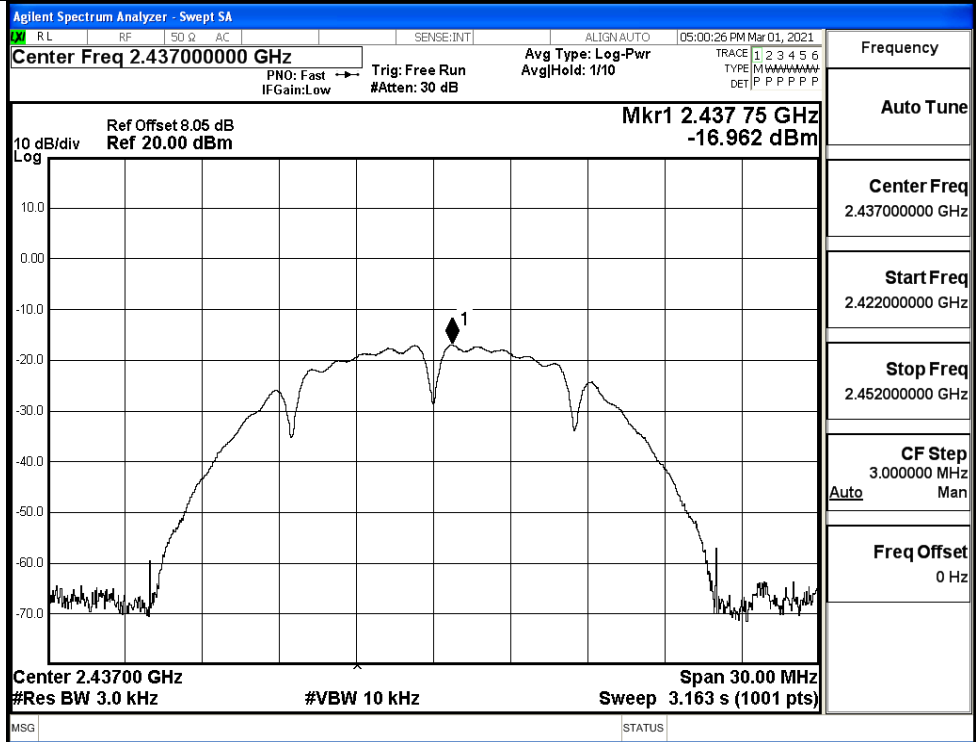
C.3 Maximum Power Spectral Density

Mode	Channel	Meas.Level [dBm/3KHz]	Limit [dBm/3KHz]	Verdict
11B	LCH	-17.625	8	PASS
	MCH	-16.962	8	PASS
	HCH	-18.479	8	PASS
11G	LCH	-20.922	8	PASS
	MCH	-21.196	8	PASS
	HCH	-21.519	8	PASS
11N20SISO	LCH	-21.588	8	PASS
	MCH	-20.632	8	PASS
	HCH	-20.300	8	PASS
11N40SISO	LCH	-21.748	8	PASS
	MCH	-23.079	8	PASS
	HCH	-22.693	8	PASS

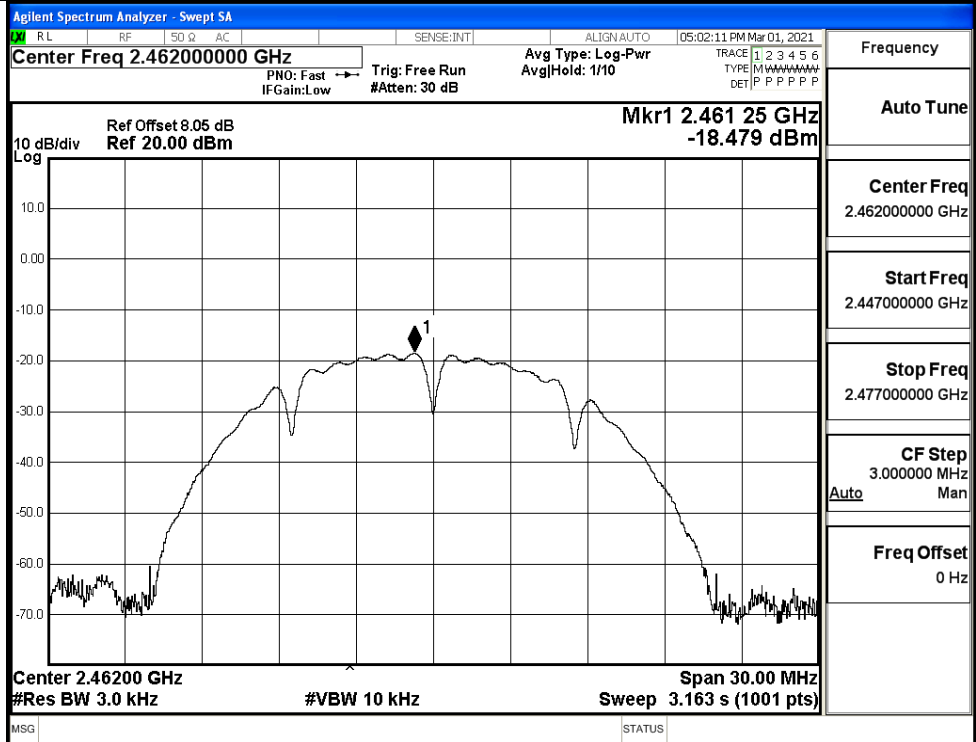
Test Graphs



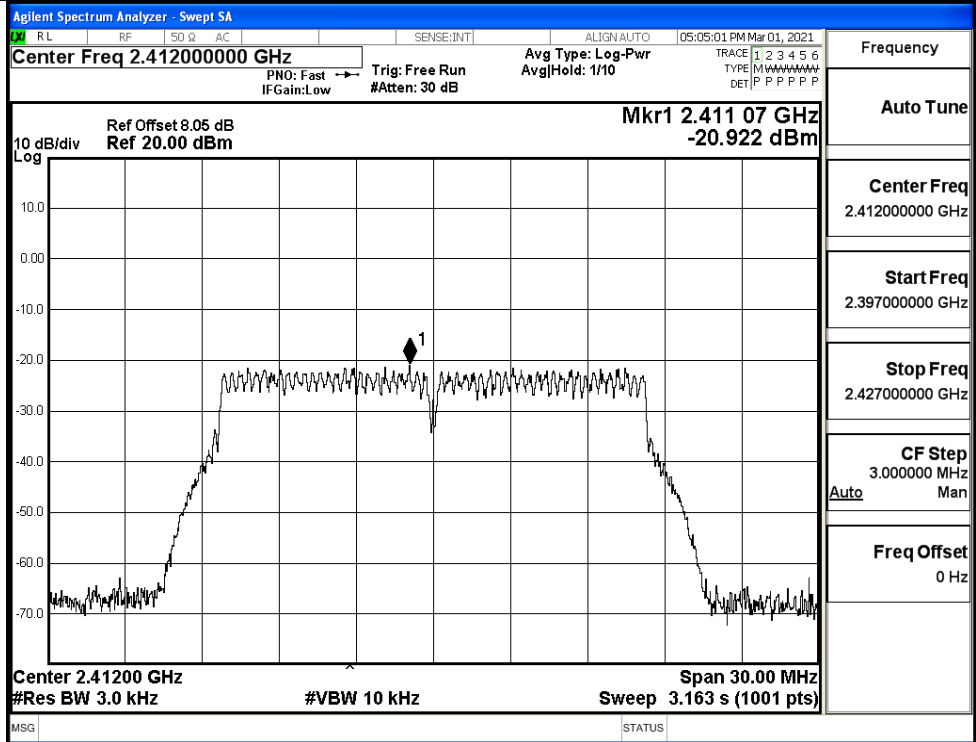
11B/MCH



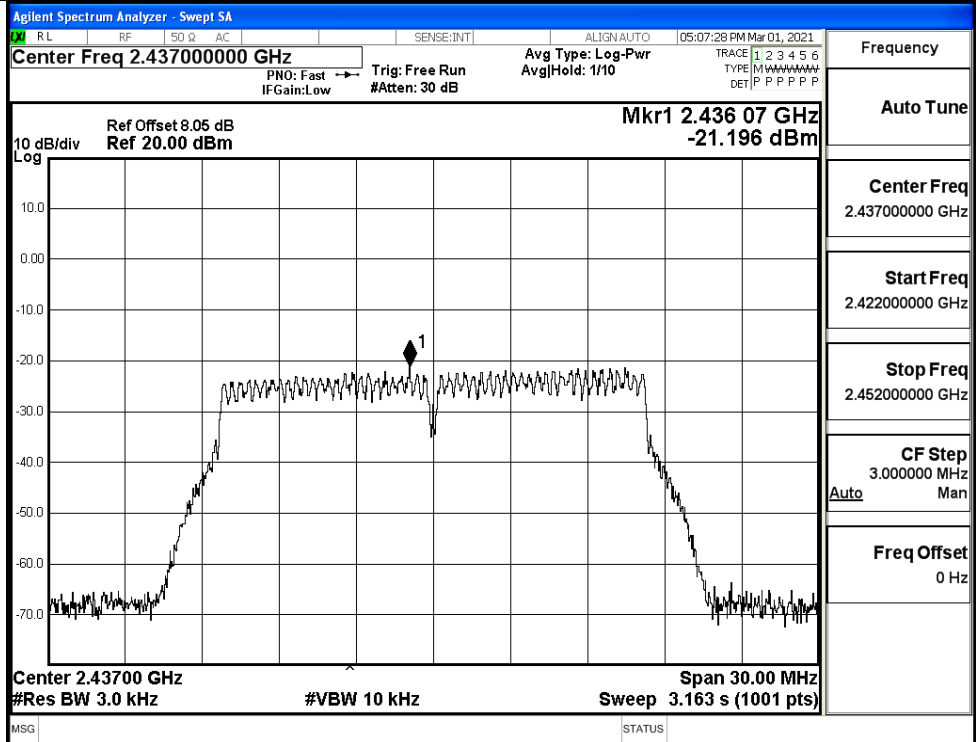
11B/HCH



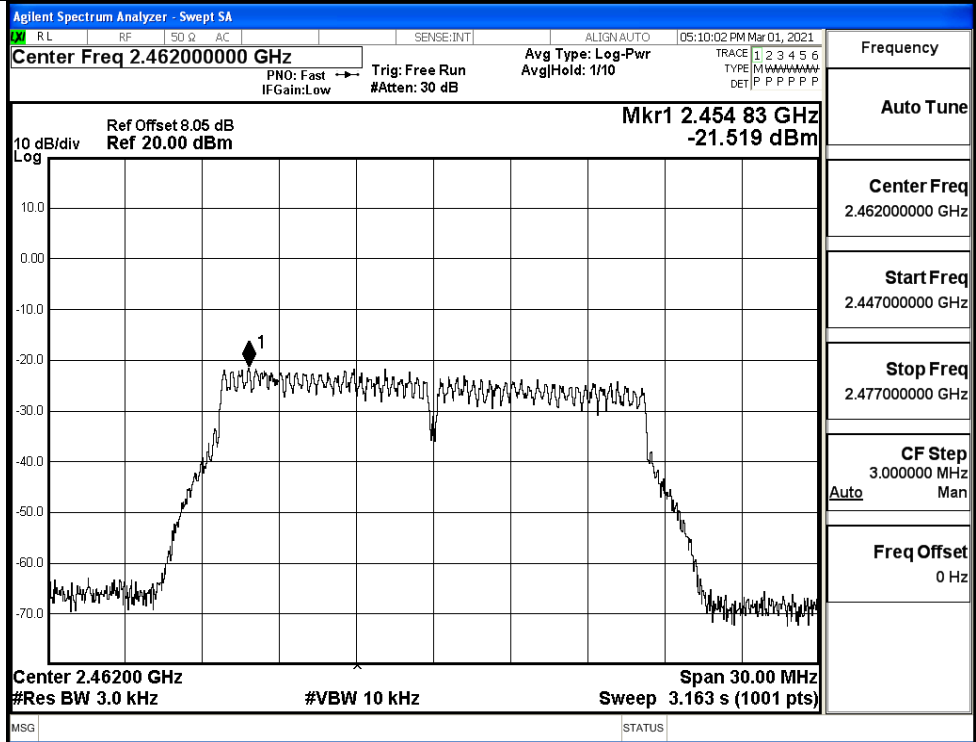
11G/LCH



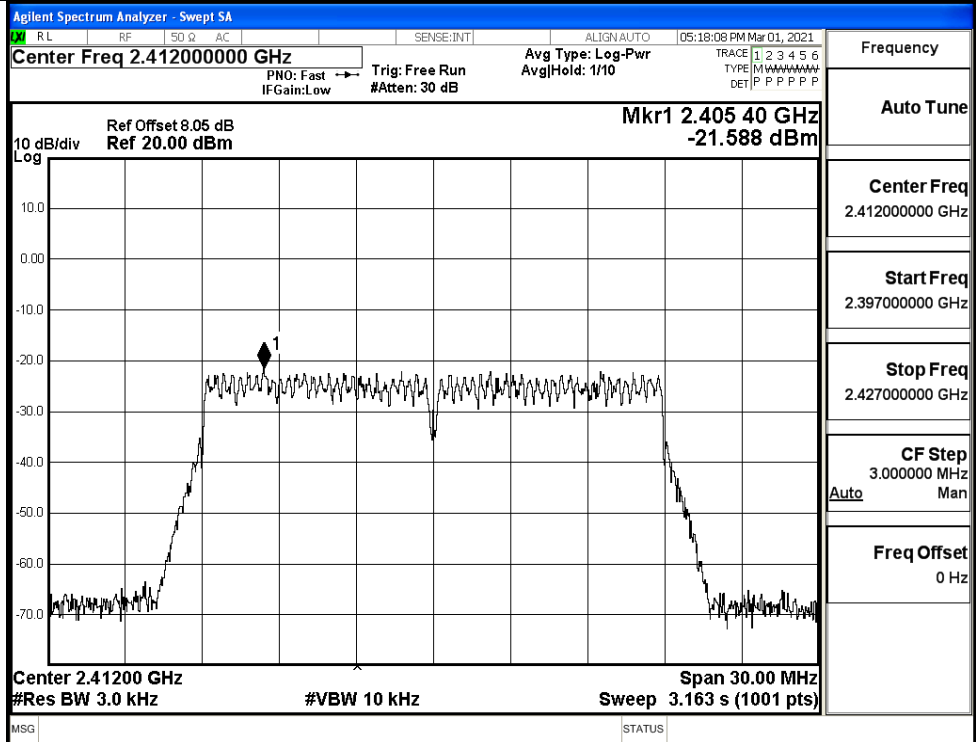
11G/MCH



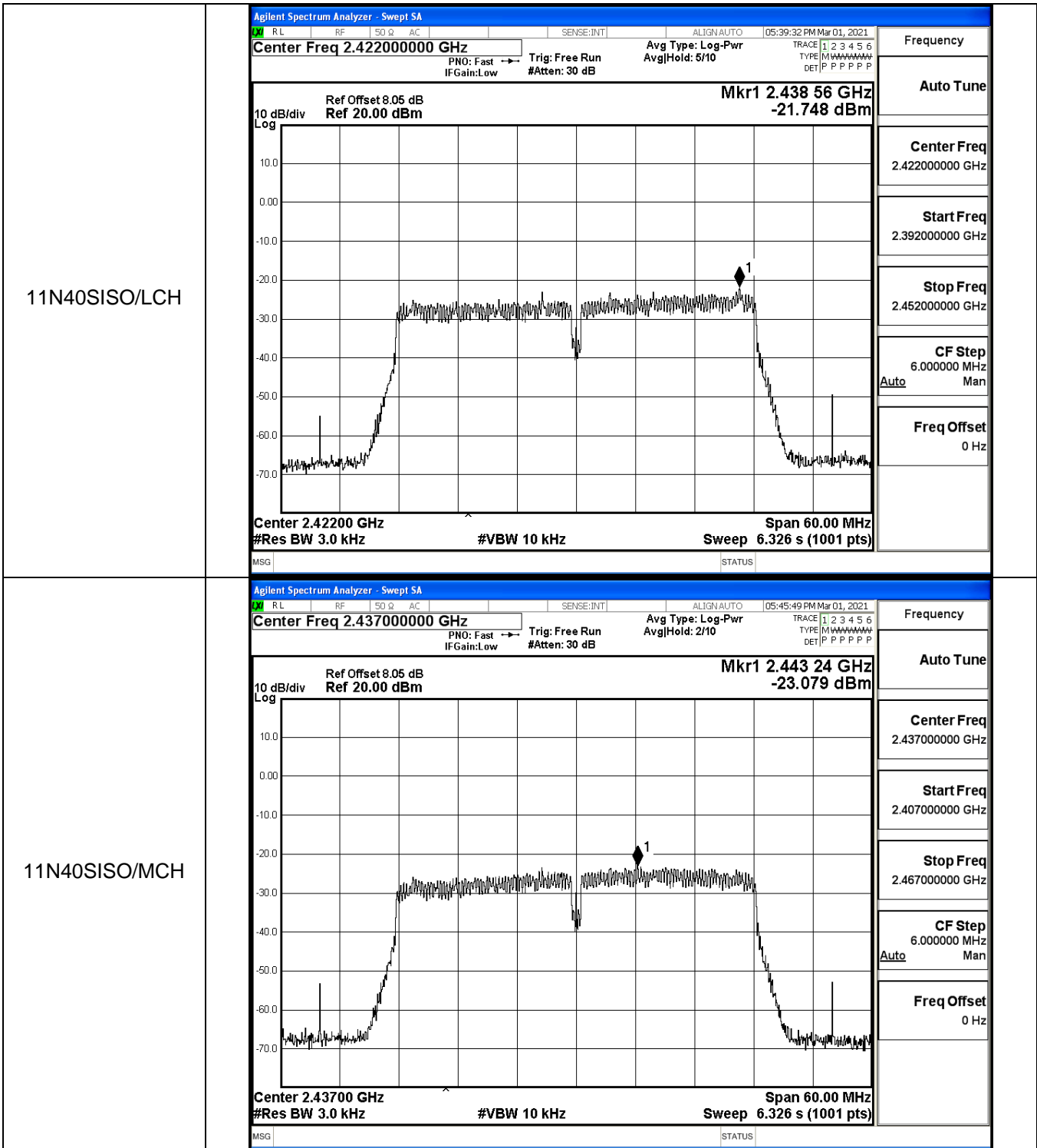
11G/HCH

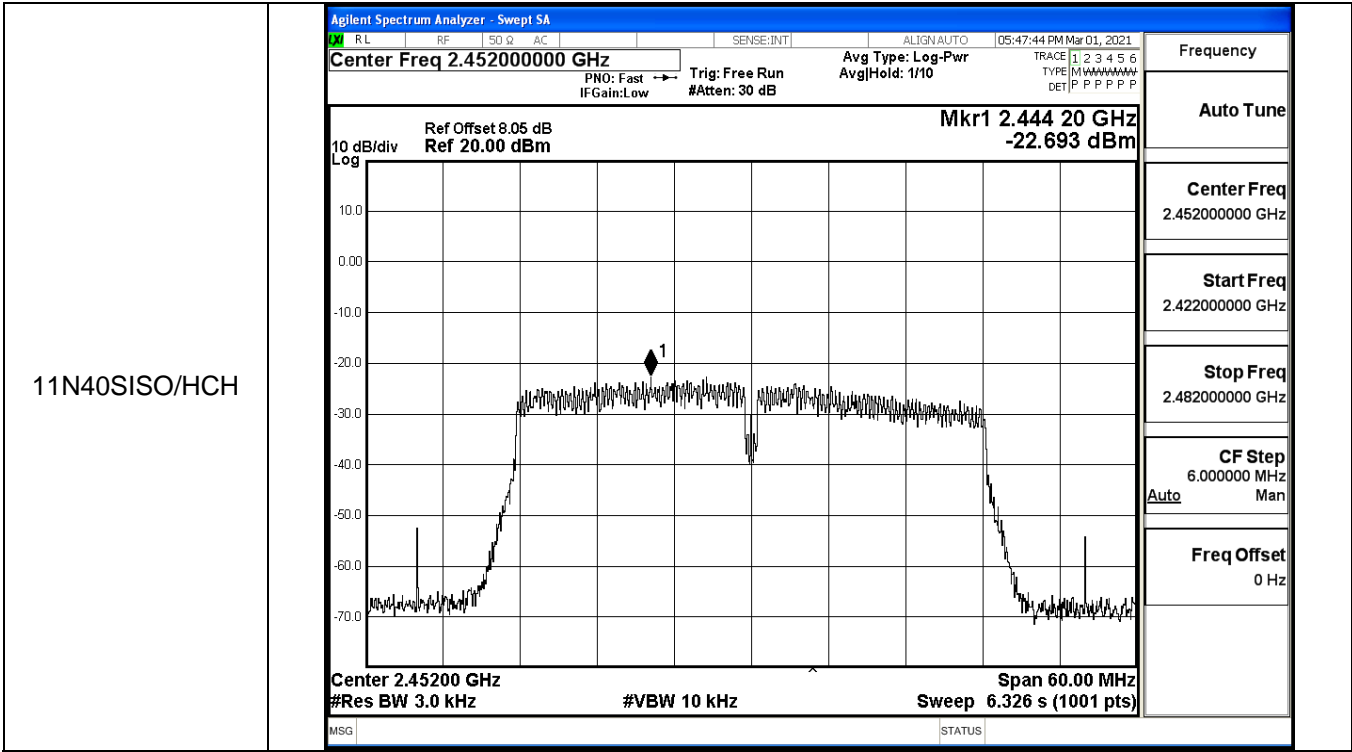


11N20SISO/LCH



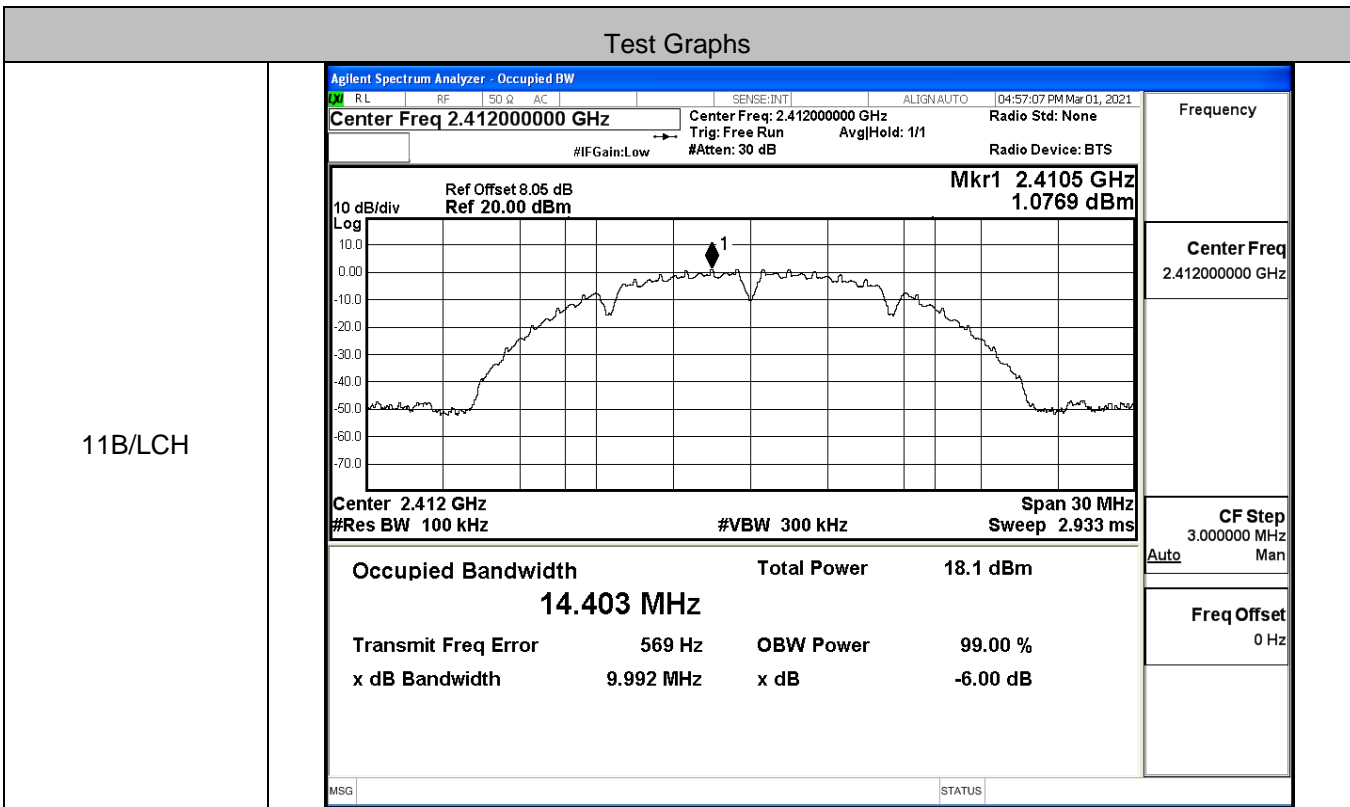
<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.43700000 GHz</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr1 2.44354 GHz -20.632 dBm</p> <p>10 dB/div Log</p> <p>Center 2.43700 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 3.163 s (1001 pts)</p> <p>Span 30.00 MHz</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.43700000 GHz</p> <p>Start Freq 2.42200000 GHz</p> <p>Stop Freq 2.45200000 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 - Swept SA</p> <p>Center Freq 2.46200000 GHz</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr1 2.45540 GHz -20.300 dBm</p> <p>10 dB/div Log</p> <p>Center 2.46200 GHz #Res BW 3.0 kHz #VBW 10 kHz Sweep 3.163 s (1001 pts)</p> <p>Span 30.00 MHz</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.46200000 GHz</p> <p>Start Freq 2.44700000 GHz</p> <p>Stop Freq 2.47700000 GHz</p> <p>CF Step 3.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>

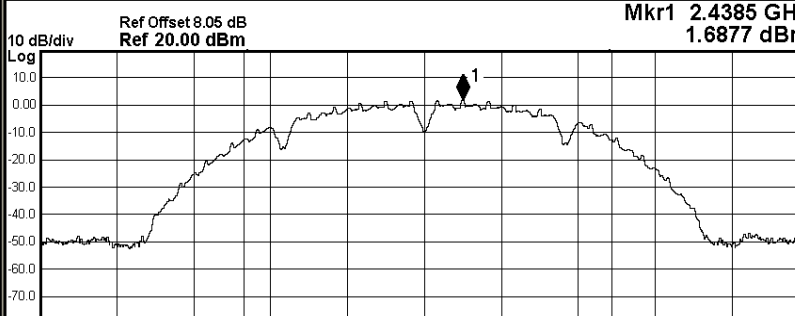
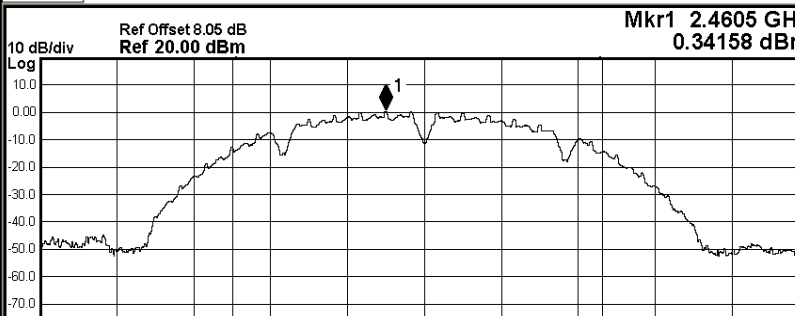




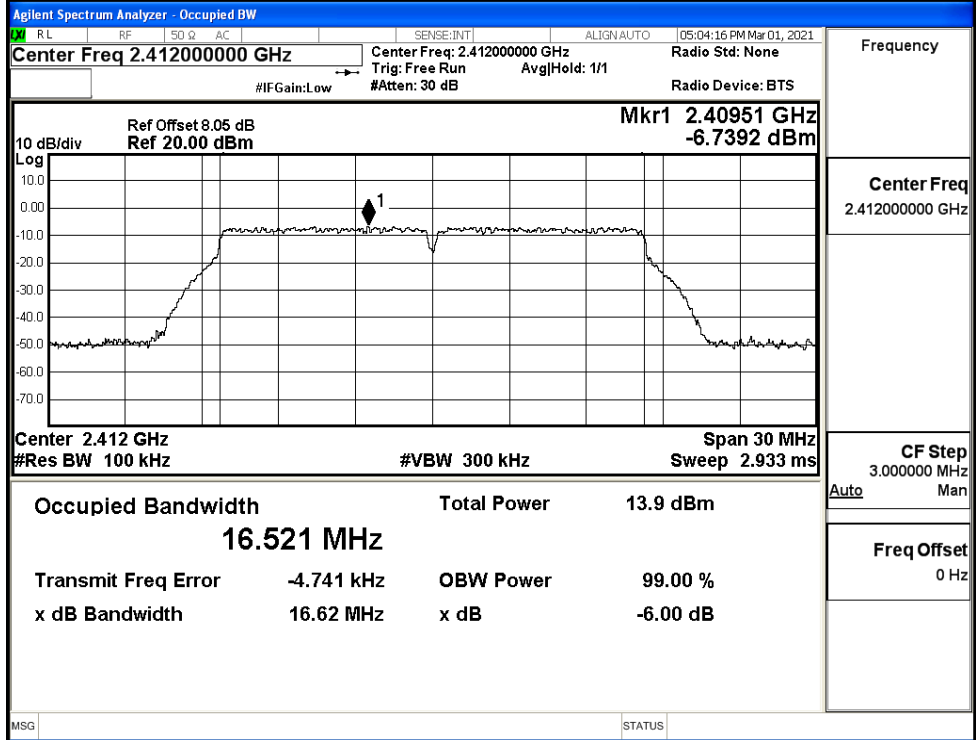
C.4 6dB Bandwidth

Mode	Channel	6dB Bandwidth [MHz]	Limit [MHz]	Verdict
11B	LCH	9.992	≥0.5	PASS
	MCH	9.619	≥0.5	PASS
	HCH	9.623	≥0.5	PASS
11G	LCH	16.62	≥0.5	PASS
	MCH	16.55	≥0.5	PASS
	HCH	16.54	≥0.5	PASS
11N20SISO	LCH	17.84	≥0.5	PASS
	MCH	17.78	≥0.5	PASS
	HCH	17.75	≥0.5	PASS
11N40SISO	LCH	36.52	≥0.5	PASS
	MCH	36.37	≥0.5	PASS
	HCH	36.11	≥0.5	PASS

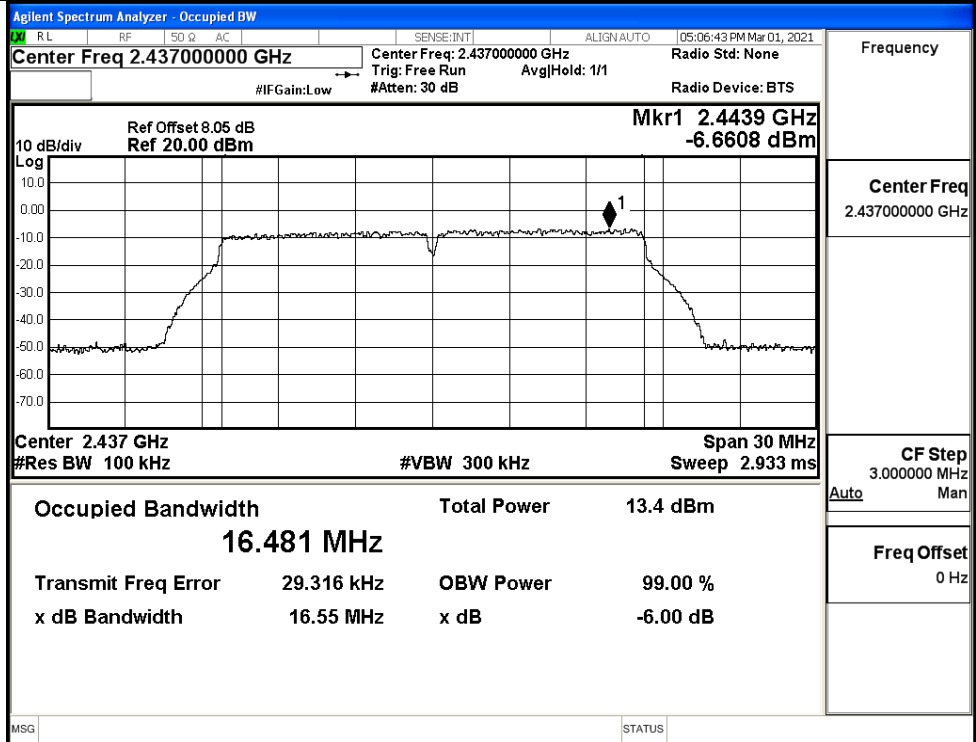


<p>11B/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>RL RF SQ AC SENSE:INT ALIGN AUTO 04:59:41 PM Mar 01, 2021</p> <p>Center Freq 2.43700000 GHz Center Freq: 2.43700000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IFGain: Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Mkr1 2.4385 GHz Ref 20.00 dB 1.6877 dBm</p> <p>Center 2.437 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth Total Power 18.6 dBm 14.294 MHz</p> <p>Transmit Freq Error 164.23 kHz OBW Power 99.00 % x dB Bandwidth 9.619 MHz x dB -6.00 dB</p> <p>MSG STATUS</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>11B/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>RL RF SQ AC SENSE:INT ALIGN AUTO 05:01:26 PM Mar 01, 2021</p> <p>Center Freq 2.46200000 GHz Center Freq: 2.46200000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IFGain: Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Mkr1 2.4605 GHz Ref 20.00 dB 0.34158 dBm</p> <p>Center 2.462 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth Total Power 17.1 dBm 14.411 MHz</p> <p>Transmit Freq Error -256.47 kHz OBW Power 99.00 % x dB Bandwidth 9.623 MHz x dB -6.00 dB</p> <p>MSG STATUS</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>

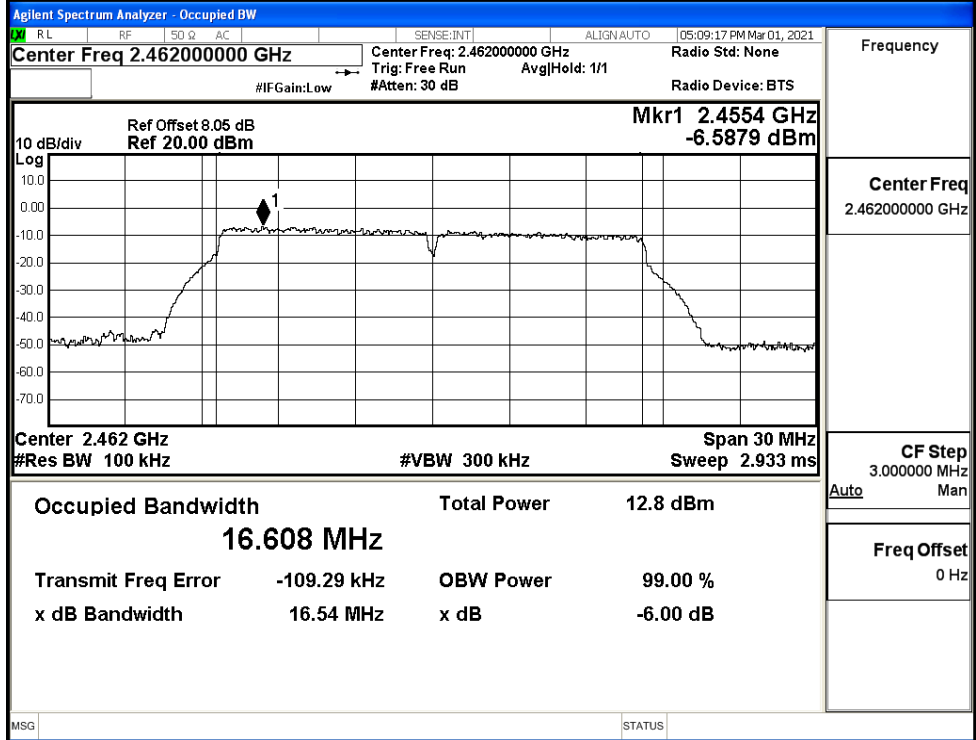
11G/LCH



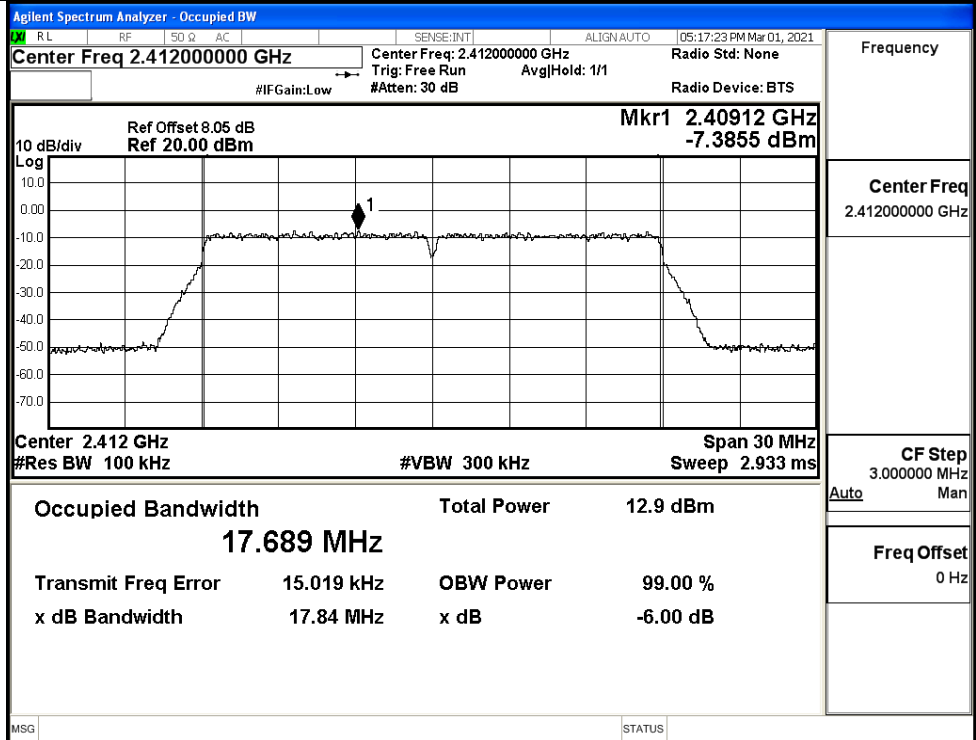
11G/MCH

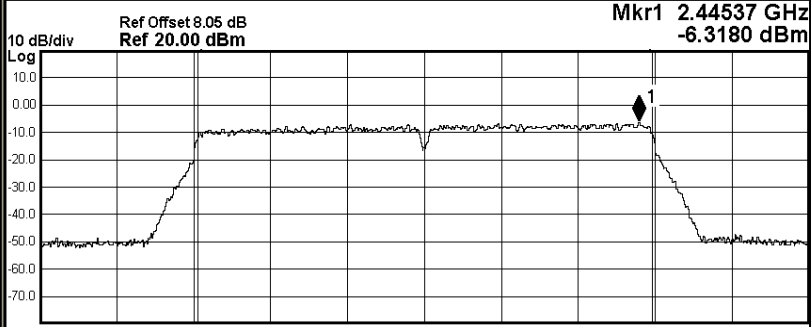
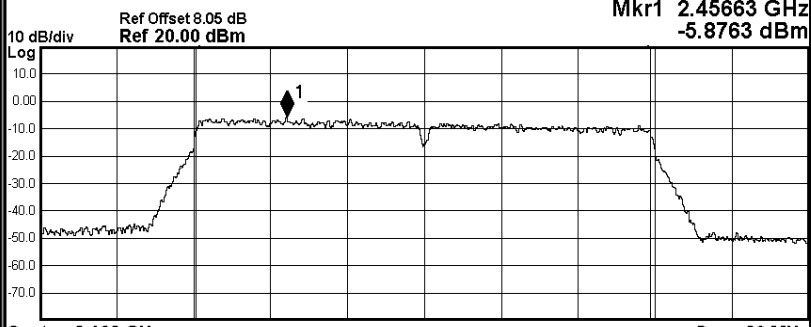


11G/HCH



11N20SISO/LCH



<p>11N20SISO/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>RL RF SO Q AC SENSE:INT ALIGN AUTO 05:25:58 PM Mar 01, 2021</p> <p>Center Freq 2.43700000 GHz Center Freq: 2.43700000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Mkr1 2.44537 GHz Ref 20.00 dBm -6.3180 dBm</p> <p>Center 2.437 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth Total Power 13.7 dBm 17.670 MHz</p> <p>Transmit Freq Error 51.984 kHz OBW Power 99.00 % x dB Bandwidth 17.78 MHz x dB -6.00 dB</p> <p>MSG STATUS</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>RL RF SO Q AC SENSE:INT ALIGN AUTO 05:35:47 PM Mar 01, 2021</p> <p>Center Freq 2.46200000 GHz Center Freq: 2.46200000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 8.05 dB Mkr1 2.45663 GHz Ref 20.00 dBm -5.8763 dBm</p> <p>Center 2.462 GHz Span 30 MHz #Res BW 100 kHz #VBW 300 kHz Sweep 2.933 ms</p> <p>Occupied Bandwidth Total Power 13.5 dBm 17.674 MHz</p> <p>Transmit Freq Error -45.652 kHz OBW Power 99.00 % x dB Bandwidth 17.75 MHz x dB -6.00 dB</p> <p>MSG STATUS</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>Mkr1 2.43928 GHz -9.3526 dBm</p> <p>Center 2.422 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.8 ms</p> <p>Occupied Bandwidth 36.163 MHz Total Power 13.3 dBm</p> <p>Transmit Freq Error 77.288 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 36.52 MHz x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 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>Mkr1 2.4466 GHz -9.2670 dBm</p> <p>Center 2.437 GHz #Res BW 100 kHz #VBW 300 kHz Span 60 MHz Sweep 5.8 ms</p> <p>Occupied Bandwidth 35.965 MHz Total Power 13.5 dBm</p> <p>Transmit Freq Error 95.300 kHz OBW Power 99.00 %</p> <p>x dB Bandwidth 36.37 MHz x dB -6.00 dB</p>	<p>Frequency</p> <p>Center Freq 2.43700000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>

11N40SISO/HCH

Agilent Spectrum Analyzer - Occupied BW			
RL	RF	SO Ω	AC
SENSE:INT		ALIGN AUTO	
05:46:54 PM Mar 01, 2021			
Center Freq 2.45200000 GHz		Center Freq: 2.45200000 GHz	Radio Std: None
		Trig: Free Run	Avg Hold: 1/1
		#IFGain: Low	#Atten: 30 dB
Radio Device: BTS			
10 dB/div		Mkr1 2.44726 GHz	
Log		-9.1452 dBm	
Ref Offset 8.05 dB			
Ref 20.00 dBm			
Center 2.452 GHz		Span 60 MHz	
#Res BW 100 kHz		#VBW 300 kHz	
		Sweep 5.8 ms	
Occupied Bandwidth		Total Power	13.5 dBm
35.908 MHz			
Transmit Freq Error	-88.468 kHz	OBW Power	99.00 %
x dB Bandwidth	36.11 MHz	x dB	-6.00 dB
		Auto Man	
		Freq Offset	
		0 Hz	
MSG		STATUS	

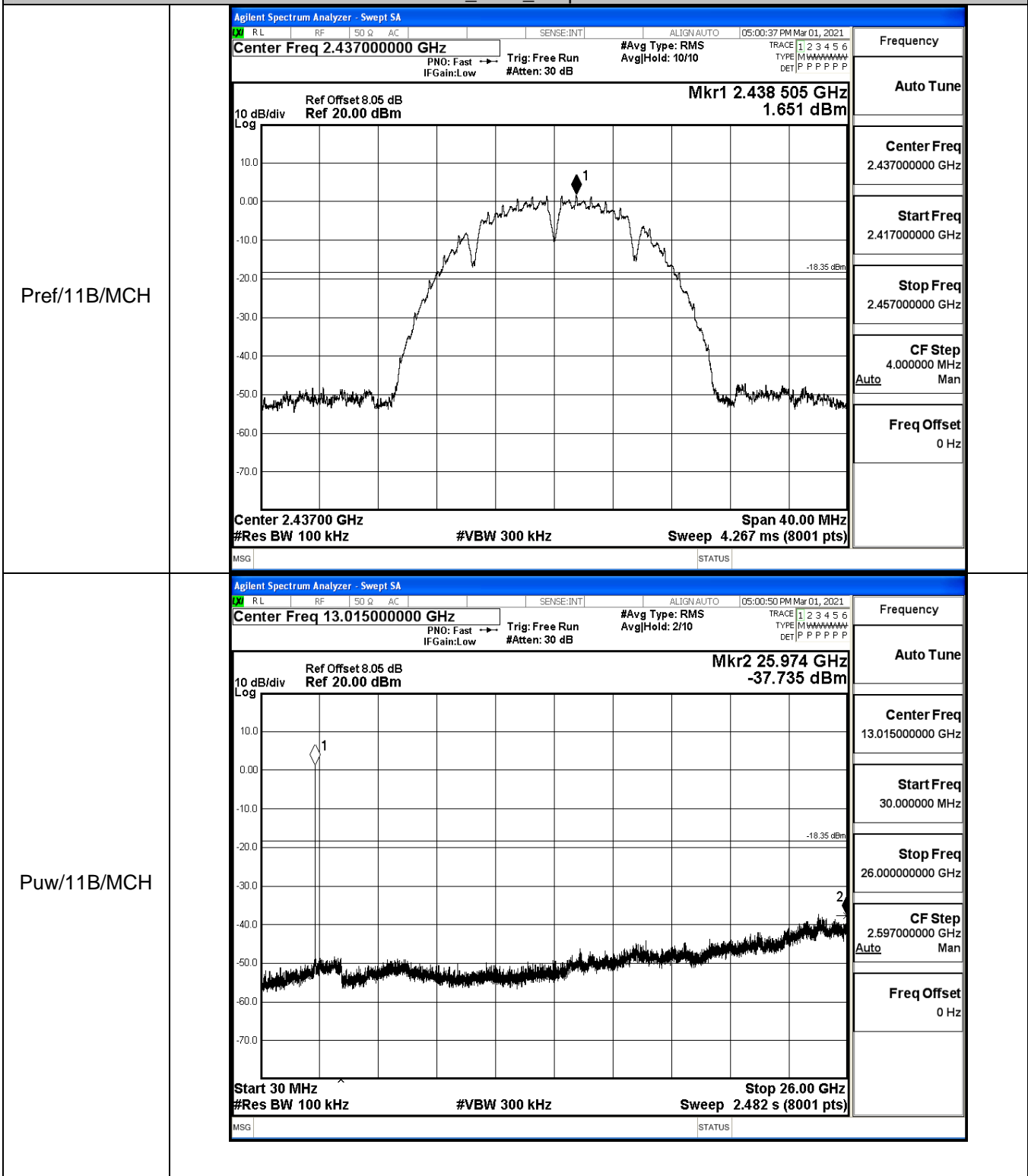
C.5 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
11B	LCH	1	-37.460	-19.000	PASS
	MCH	1.651	-37.735	-18.349	PASS
	HCH	0.227	-36.800	-19.773	PASS
11G	LCH	-6.988	-38.162	-26.988	PASS
	MCH	-6.793	-38.319	-26.793	PASS
	HCH	-6.887	-38.289	-26.887	PASS
11N20 SISO	LCH	-7.543	-38.098	-27.543	PASS
	MCH	-6.651	-37.572	-26.651	PASS
	HCH	-6.221	-38.161	-26.221	PASS
11N40 SISO	LCH	-9.508	-38.244	-29.508	PASS
	MCH	-9.484	-38.719	-29.484	PASS
	HCH	-9.536	-37.877	-29.536	PASS

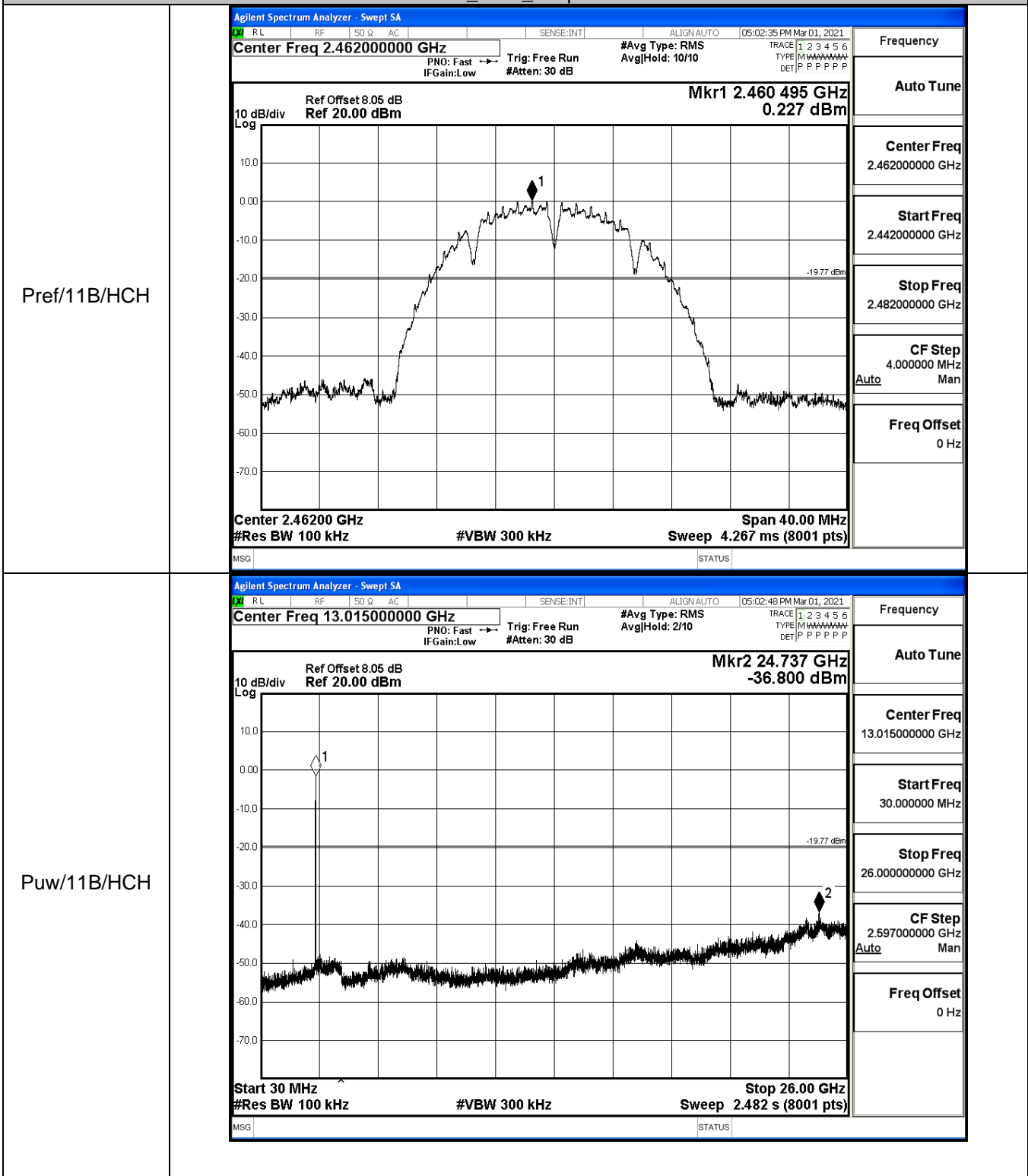
11B_LCH_Graphs

<p>Pref/11B/LCH</p>		<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.412000000 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>	

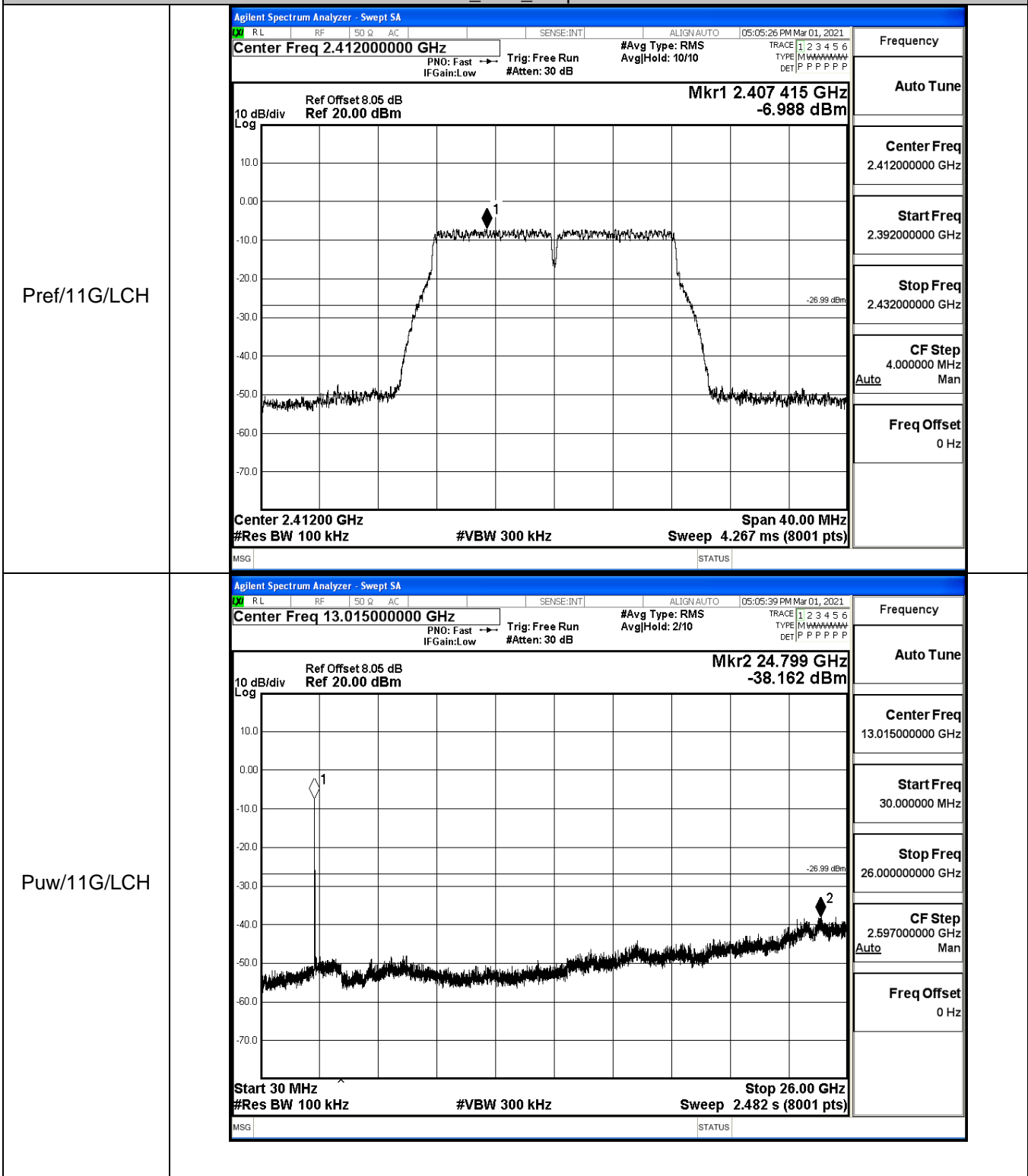
11B_MCH_Graphs



11B_HCH_Graphs

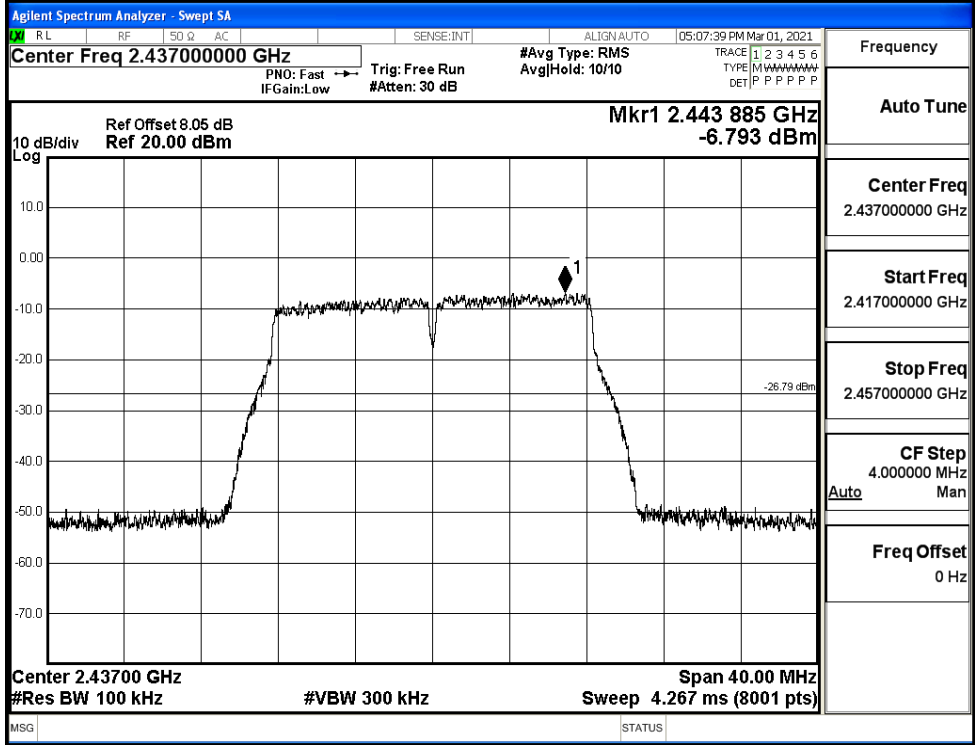


11G_LCH_Graphs

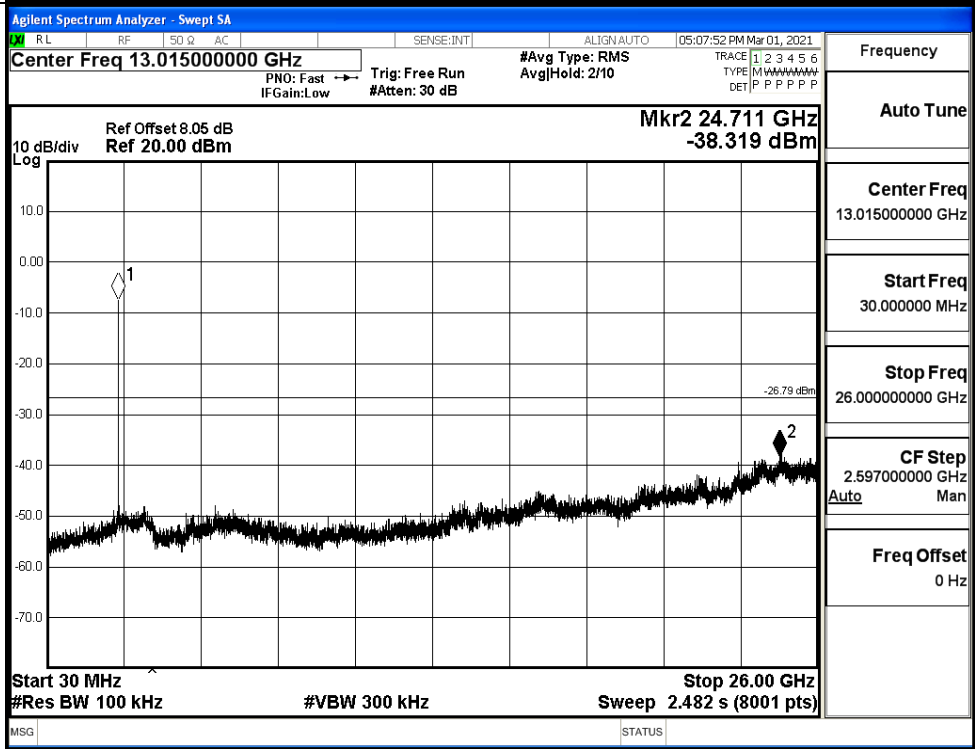


11G_MCH_Graphs

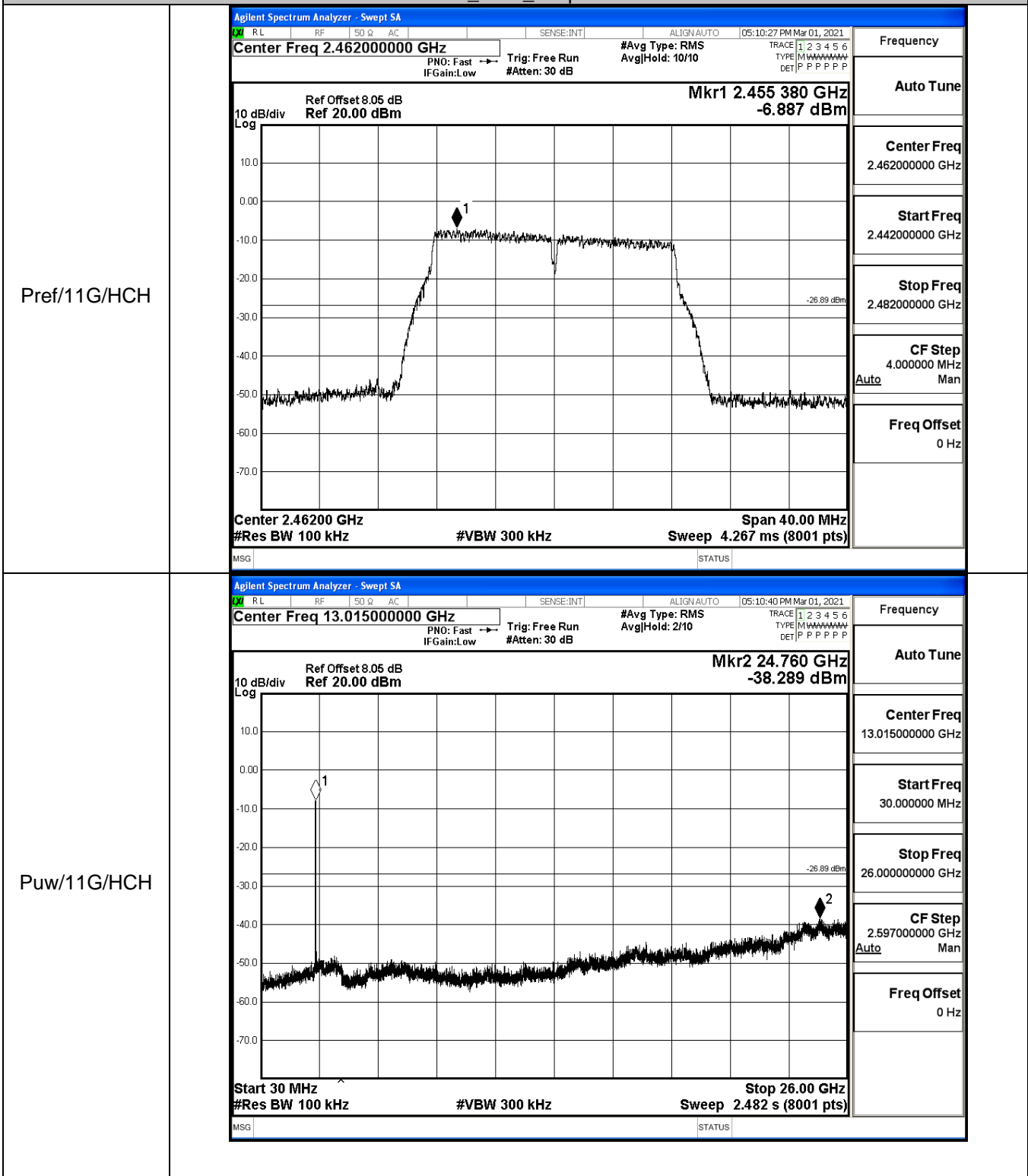
Pref/11G/MCH



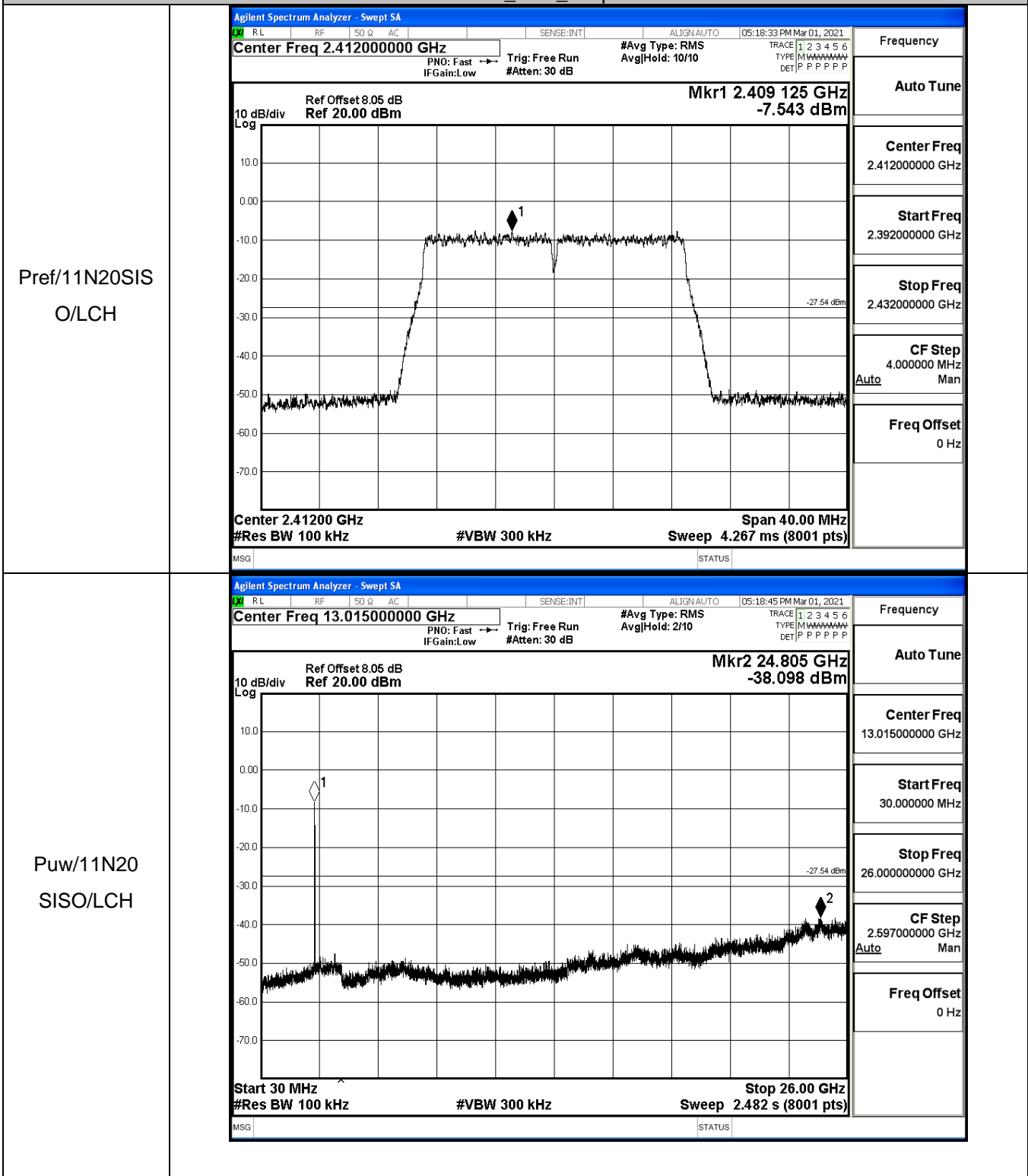
Puw/11G/MCH



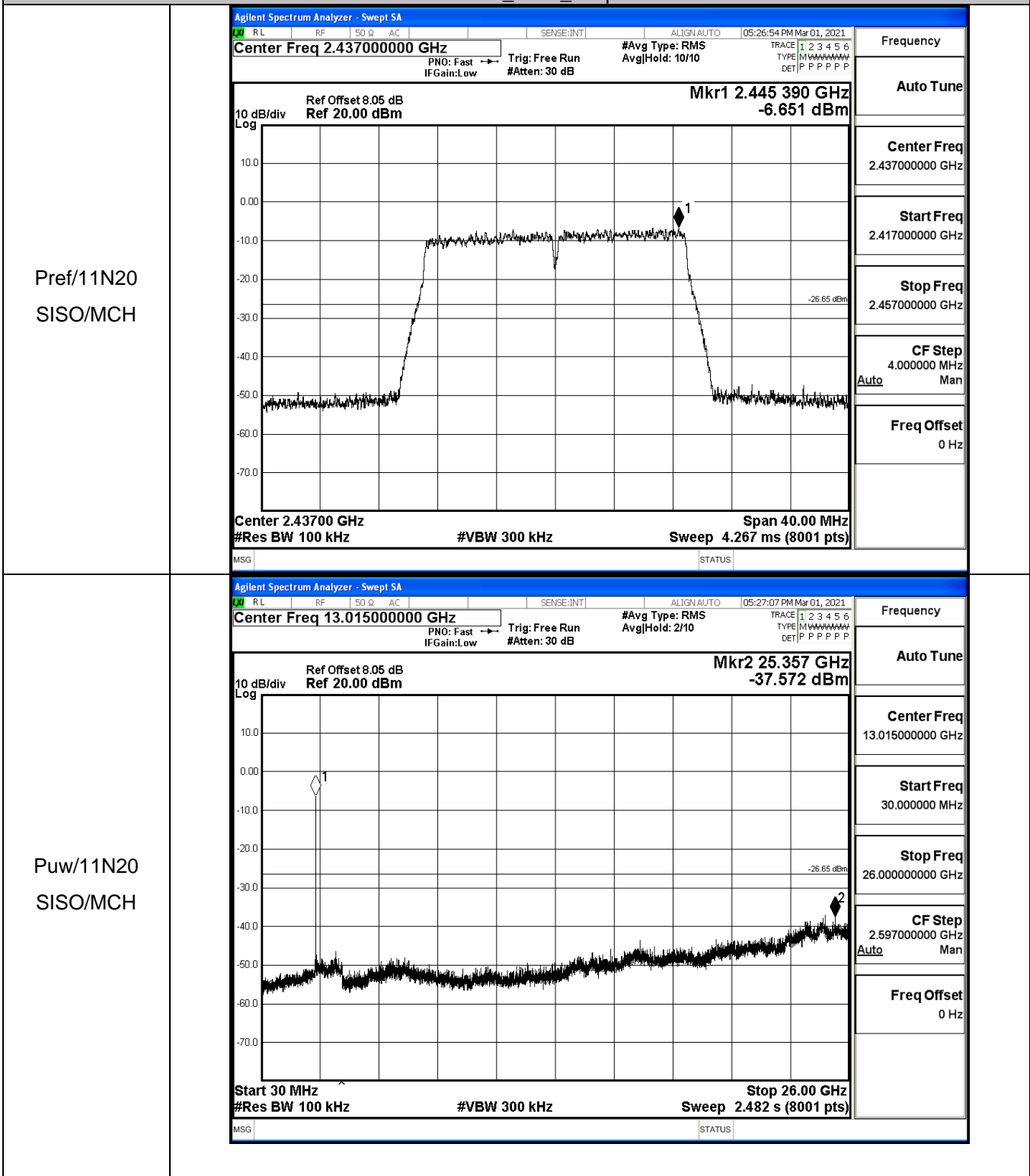
11G_HCH_Graphs



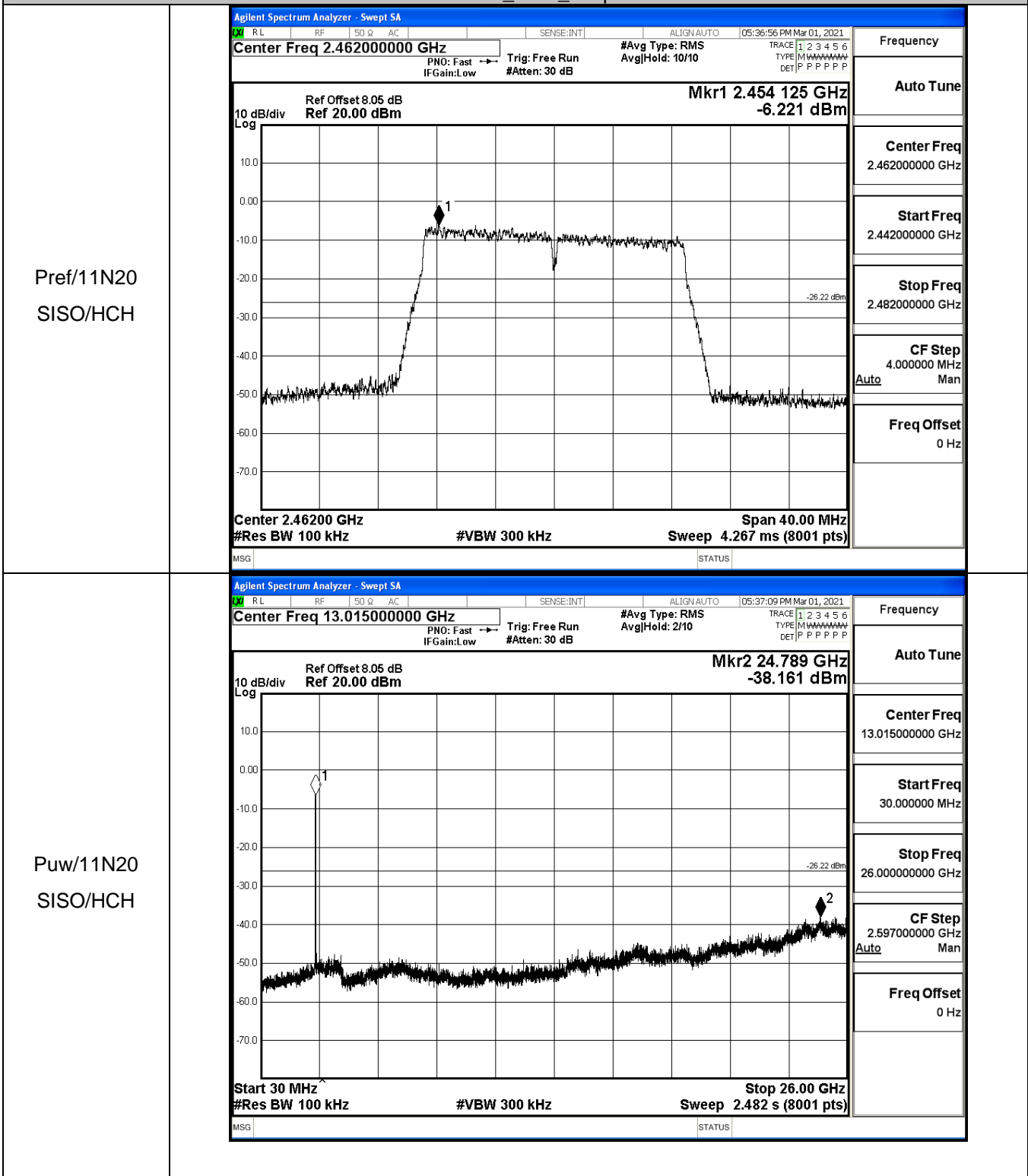
11N20SISO_LCH_Graphs



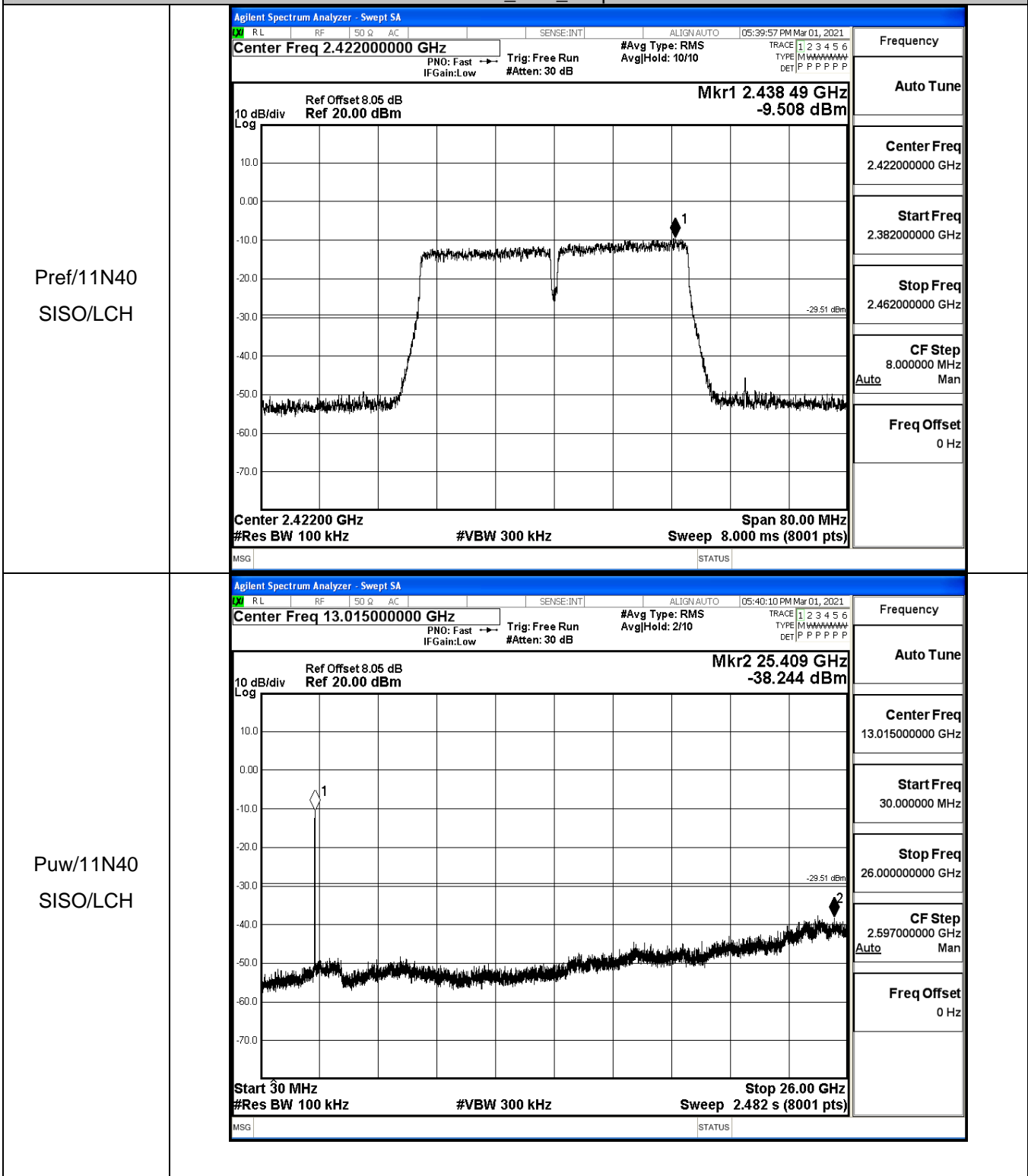
11N20SISO_MCH_Graphs



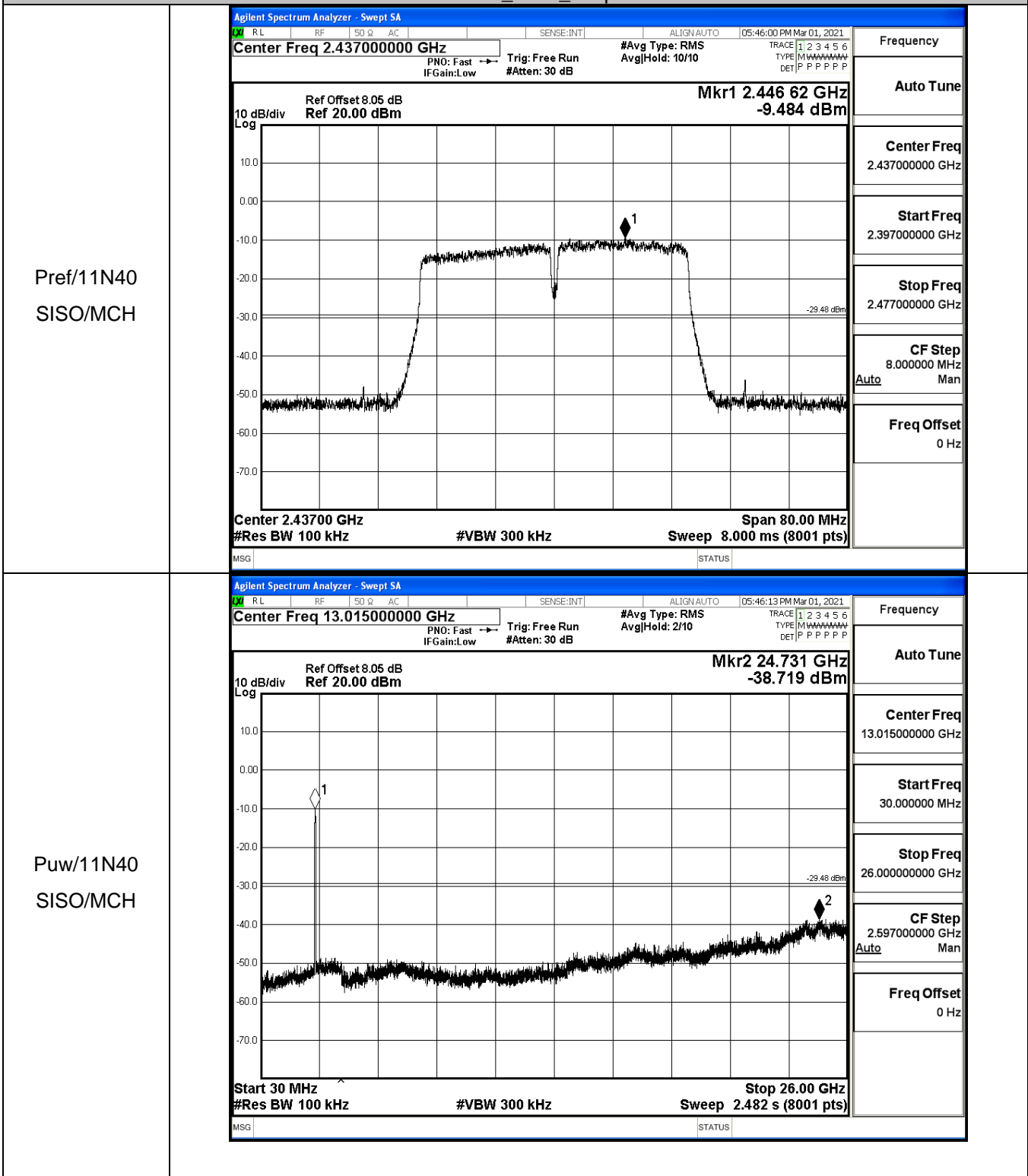
11N20SISO_HCH_Graphs



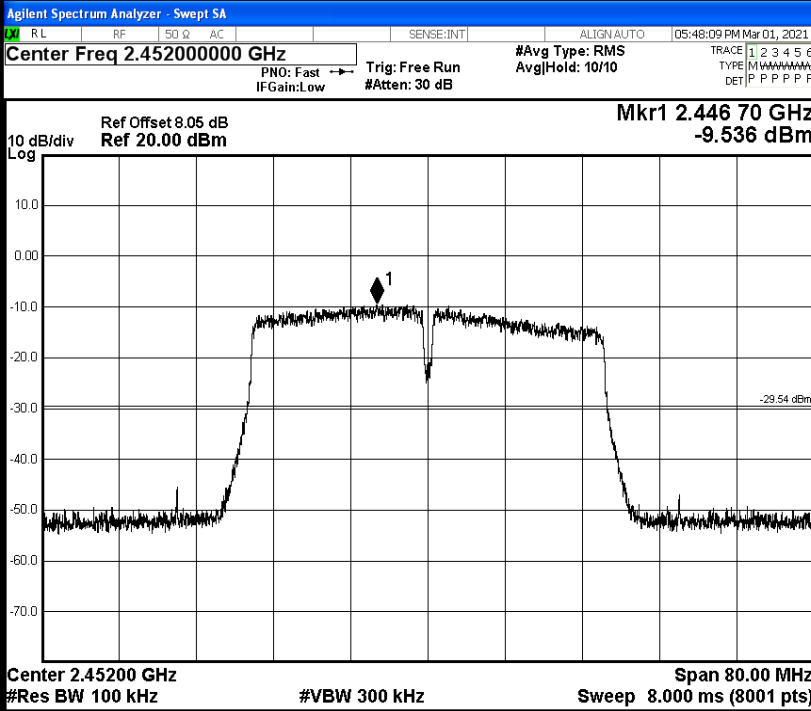
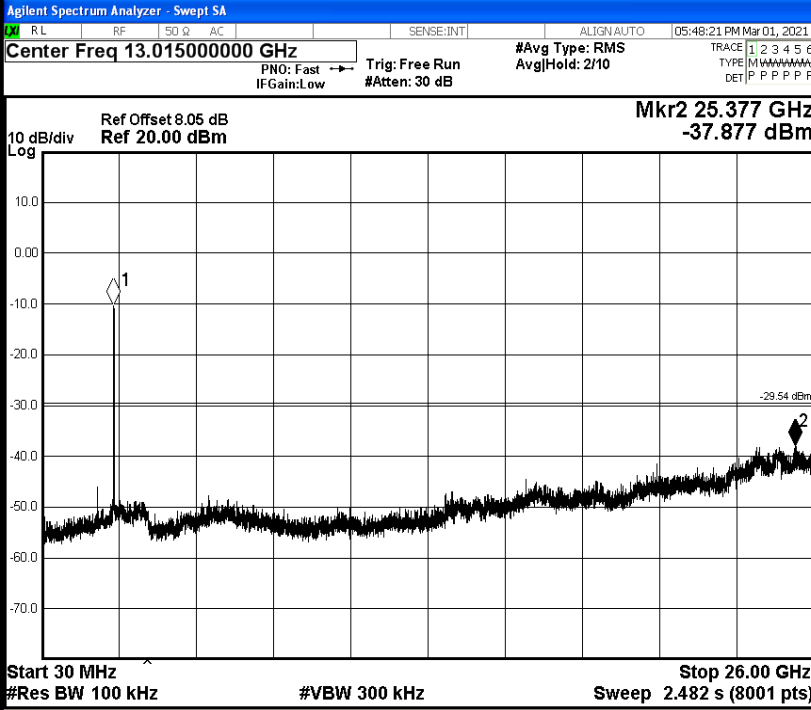
11N40SISO_LCH_Graphs



11N40SISO_MCH_Graphs

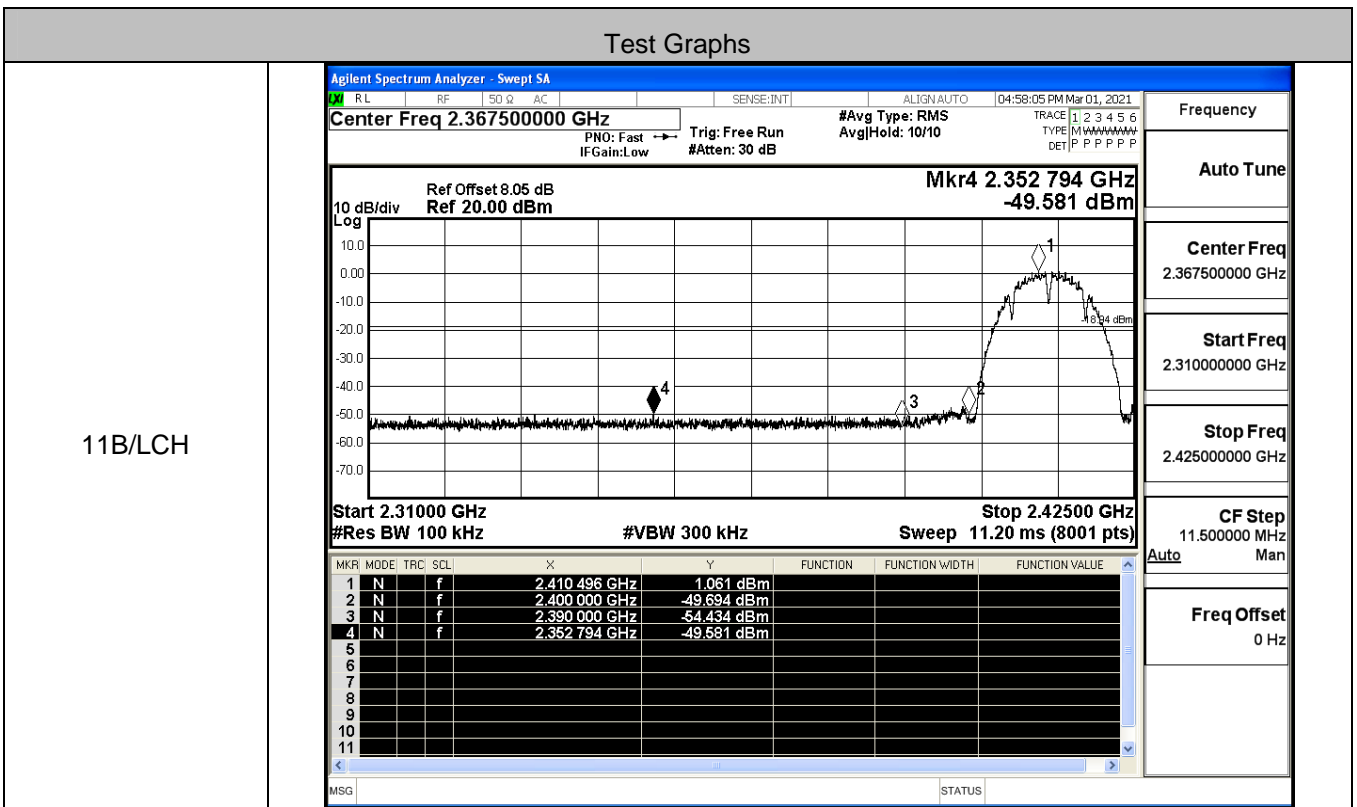


11N40SISO_HCH_Graphs

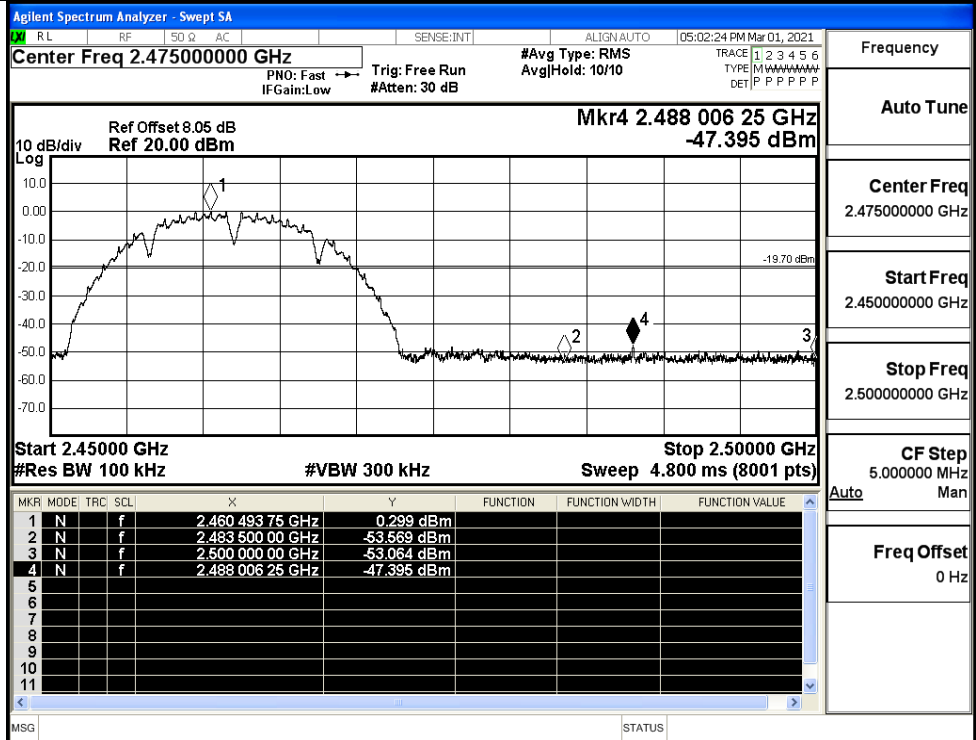
<p>Pref/11N40 SISO/HCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.45200000 GHz Mkr1 2.446 70 GHz -9.536 dBm Center 2.45200 GHz #Res BW 100 kHz #VBW 300 kHz Span 80.00 MHz Sweep 8.000 ms (8001 pts)</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.452000000 GHz</p> <p>Start Freq 2.412000000 GHz</p> <p>Stop Freq 2.492000000 GHz</p> <p>CF Step 8.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>Puw/11N40 SISO/HCH</p>	 <p>Agilent Spectrum Analyzer - Swept SA Center Freq 13.01500000 GHz Mkr2 25.377 GHz -37.877 dBm Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 26.00 GHz Sweep 2.482 s (8001 pts)</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>

C.6 Band-edge for RF Conducted Emissions

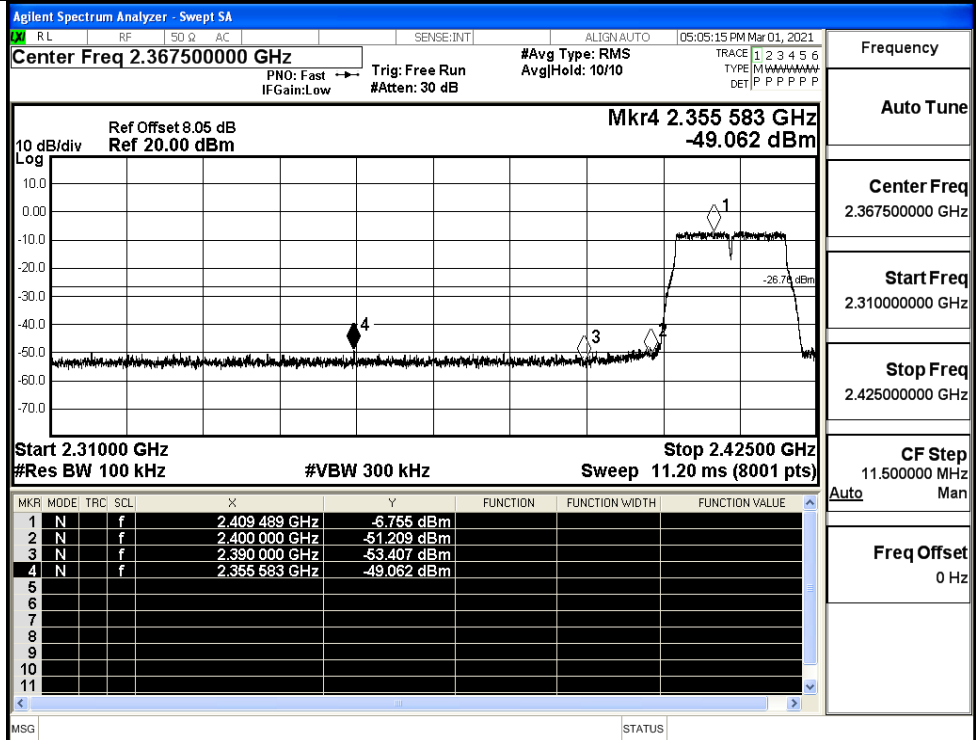
Mode	Channel	Carrier Power[dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	1.061	-49.581	-18.94	PASS
	HCH	0.299	-47.395	-19.7	PASS
11G	LCH	-6.755	-49.062	-26.76	PASS
	HCH	-6.790	-46.803	-26.79	PASS
11N20SISO	LCH	-7.510	-49.197	-27.51	PASS
	HCH	-6.318	-45.641	-26.32	PASS
11N40SISO	LCH	-9.426	-49.945	-29.43	PASS
	HCH	-9.521	-48.849	-29.52	PASS



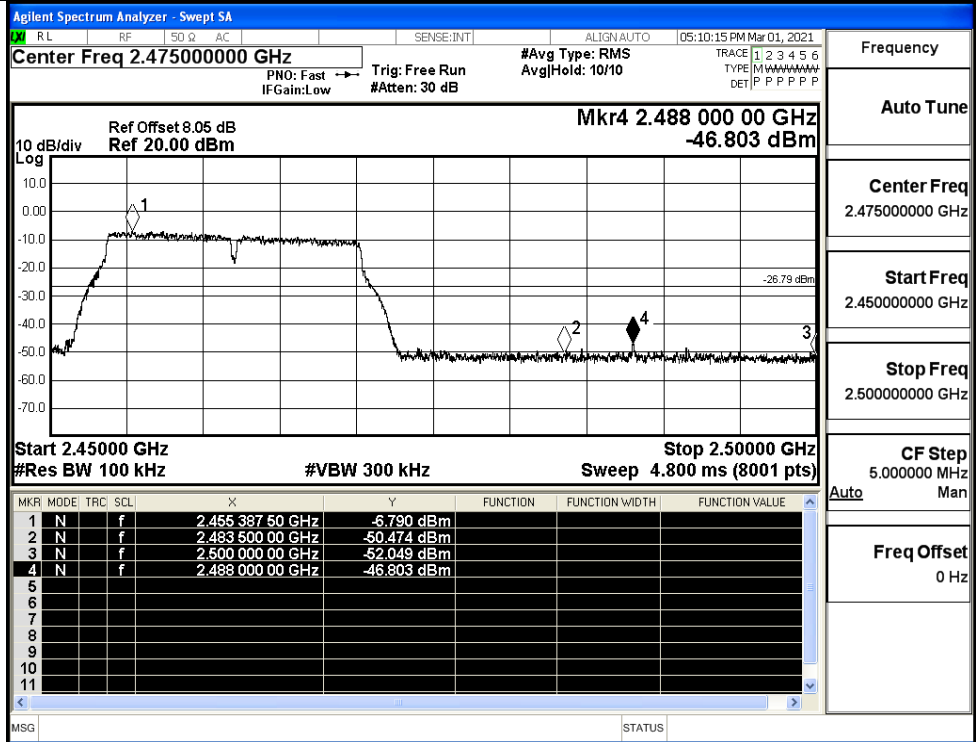
11B/HCH



11G/LCH

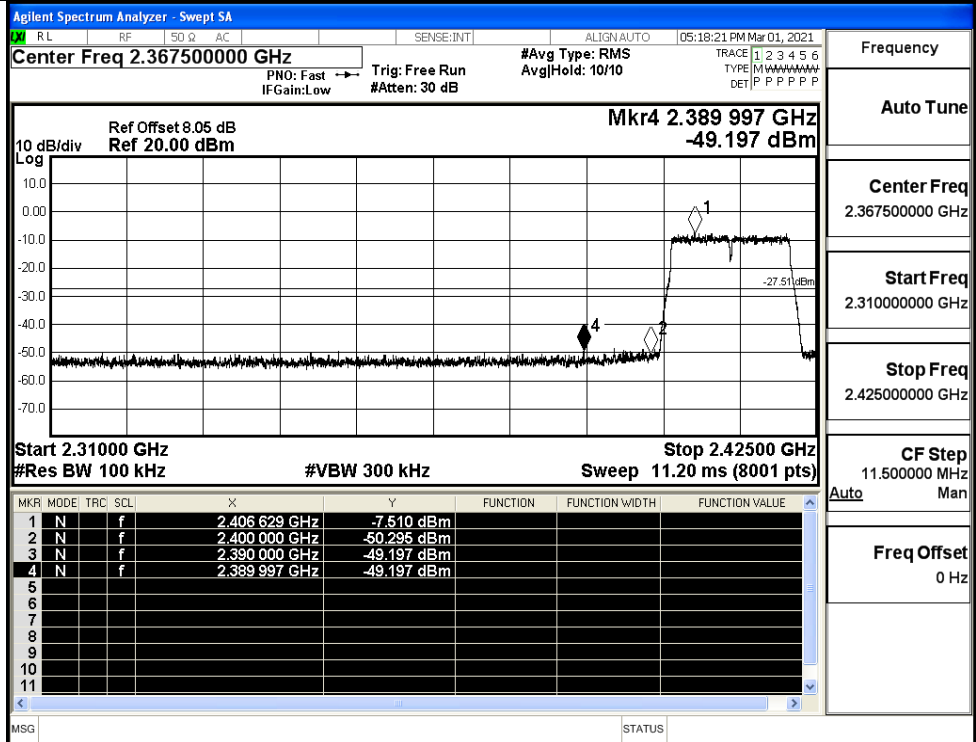


11G/HCH



Frequency	
Auto Tune	
Center Freq	2.475000000 GHz
Start Freq	2.450000000 GHz
Stop Freq	2.500000000 GHz
CF Step	5.000000 MHz
Freq Offset	0 Hz

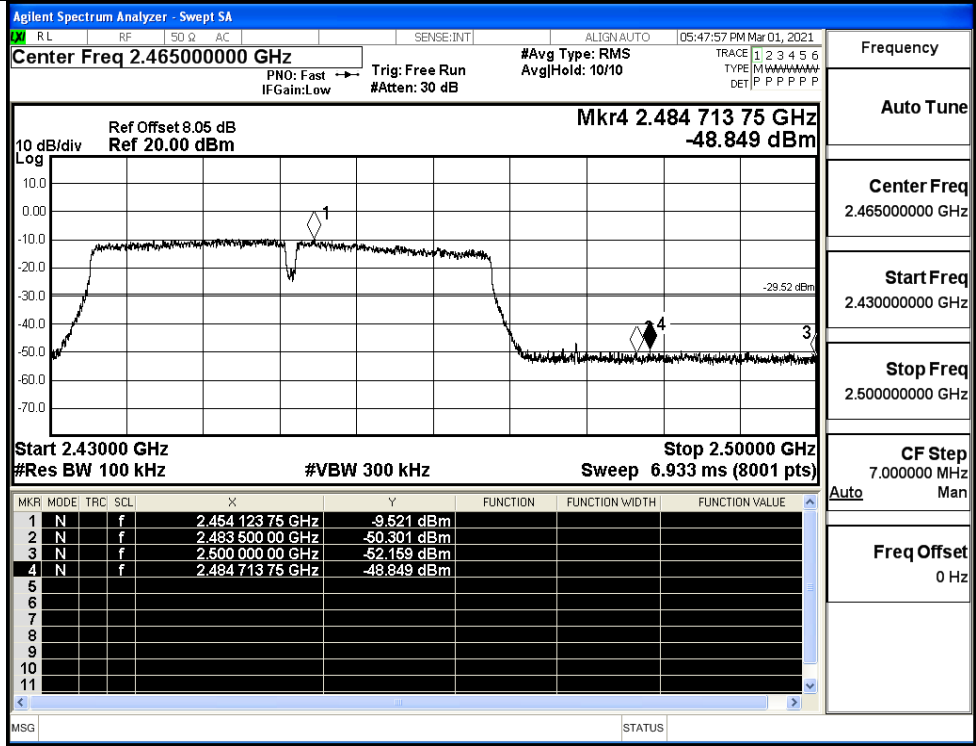
11N20SISO/LCH



Frequency	
Auto Tune	
Center Freq	2.367500000 GHz
Start Freq	2.310000000 GHz
Stop Freq	2.425000000 GHz
CF Step	11.500000 MHz
Freq Offset	0 Hz

<p>11N20SISO/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.47500000 GHz</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr4 2.488 012 50 GHz -45.641 dBm</p> <p>Start 2.45000 GHz #Res BW 100 kHz</p> <p>Stop 2.50000 GHz #VBW 300 kHz Sweep 4.800 ms (8001 pts)</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td></td> <td>f</td> <td>2.459 131 25 GHz</td> <td>-6.318 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td></td> <td>f</td> <td>2.483 500 00 GHz</td> <td>-51.815 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td></td> <td>f</td> <td>2.500 000 00 GHz</td> <td>-52.055 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td></td> <td>f</td> <td>2.488 012 50 GHz</td> <td>-45.641 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N		f	2.459 131 25 GHz	-6.318 dBm				2	N		f	2.483 500 00 GHz	-51.815 dBm				3	N		f	2.500 000 00 GHz	-52.055 dBm				4	N		f	2.488 012 50 GHz	-45.641 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.47500000 GHz</p> <p>Start Freq 2.45000000 GHz</p> <p>Stop Freq 2.50000000 GHz</p> <p>CF Step 5.000000 MHz</p> <p>Freq Offset 0 Hz</p>
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																							
1	N		f	2.459 131 25 GHz	-6.318 dBm																																										
2	N		f	2.483 500 00 GHz	-51.815 dBm																																										
3	N		f	2.500 000 00 GHz	-52.055 dBm																																										
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<p>11N40SISO/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.37750000 GHz</p> <p>Ref Offset 8.05 dB Ref 20.00 dBm</p> <p>Mkr4 2.353 824 GHz -49.945 dBm</p> <p>Start 2.31000 GHz #Res BW 100 kHz</p> <p>Stop 2.44500 GHz #VBW 300 kHz Sweep 13.33 ms (8001 pts)</p> <table border="1"> <thead> <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> </thead> <tbody> <tr> <td>1</td> <td>N</td> <td></td> <td>f</td> <td>2.438 503 GHz</td> <td>-9.426 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td></td> <td>f</td> <td>2.400 000 GHz</td> <td>-51.045 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td></td> <td>f</td> <td>2.390 000 GHz</td> <td>-53.987 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td></td> <td>f</td> <td>2.353 824 GHz</td> <td>-49.945 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N		f	2.438 503 GHz	-9.426 dBm				2	N		f	2.400 000 GHz	-51.045 dBm				3	N		f	2.390 000 GHz	-53.987 dBm				4	N		f	2.353 824 GHz	-49.945 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.37750000 GHz</p> <p>Start Freq 2.31000000 GHz</p> <p>Stop Freq 2.44500000 GHz</p> <p>CF Step 13.500000 MHz</p> <p>Freq Offset 0 Hz</p>
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																							
1	N		f	2.438 503 GHz	-9.426 dBm																																										
2	N		f	2.400 000 GHz	-51.045 dBm																																										
3	N		f	2.390 000 GHz	-53.987 dBm																																										
4	N		f	2.353 824 GHz	-49.945 dBm																																										

11N40SISO/HCH

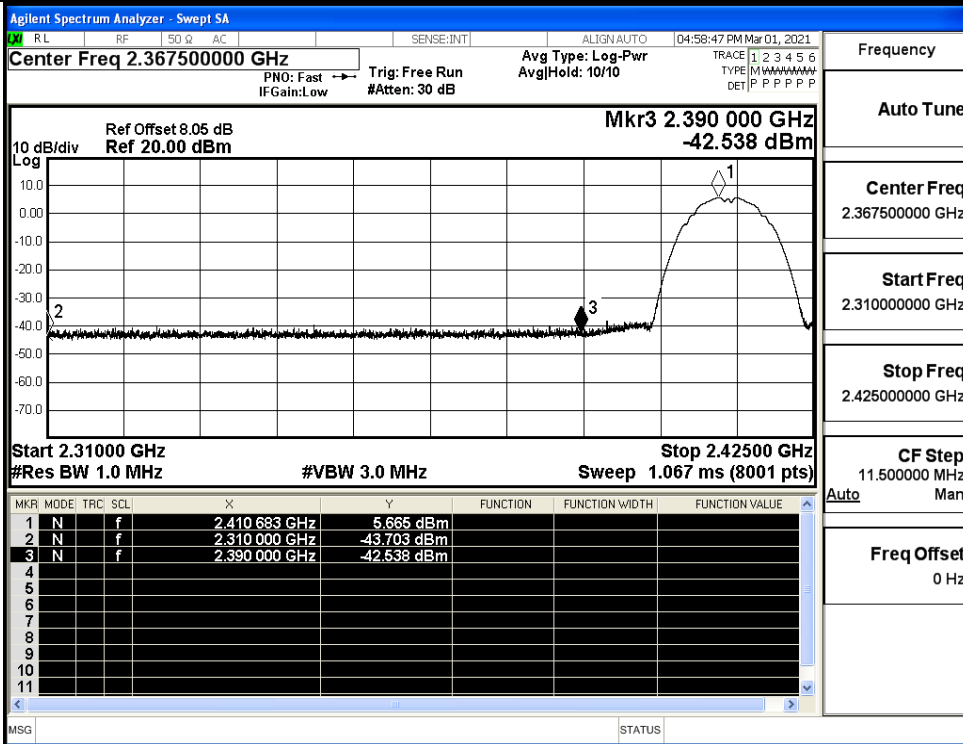


C.7 Restrict-band band-edge measurements

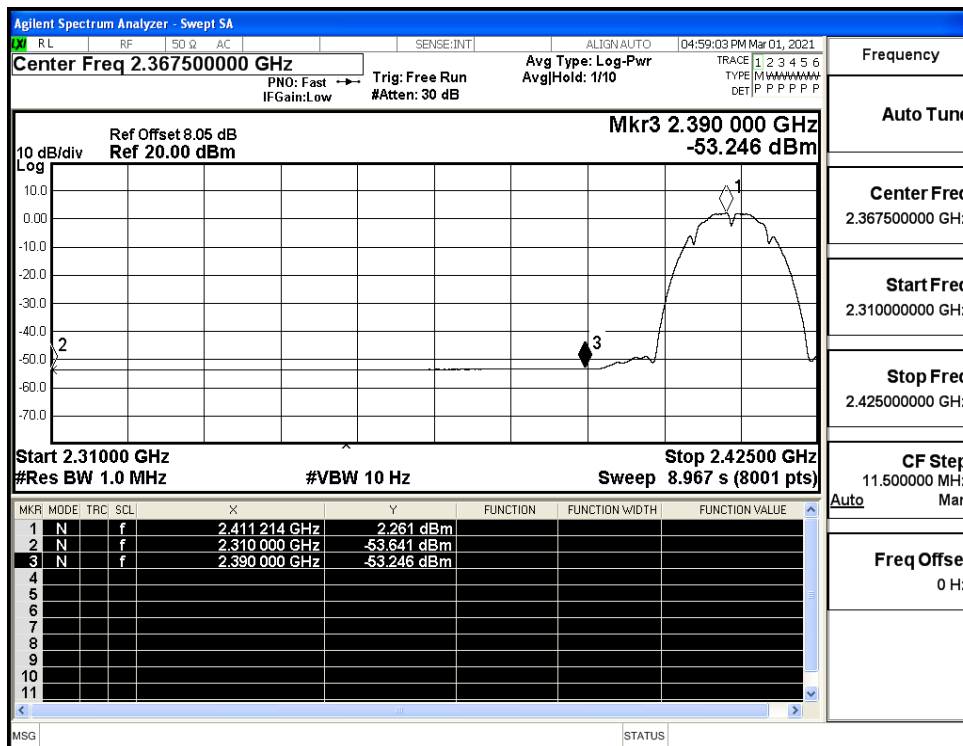
Test Mode	Test Channel	Ant	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBu V/m]	Verdict
11B	2412	Ant1	2310.0	-43.70	2.0	0	51.55	PEAK	74	PASS
	2412	Ant1	2310.0	-53.64	2.0	0	41.62	AV	54	PASS
	2412	Ant1	2390.0	-42.54	2.0	0	52.72	PEAK	74	PASS
	2412	Ant1	2390.0	-53.25	2.0	0	42.01	AV	54	PASS
	2462	Ant1	2483.5	-41.89	2.0	0	53.37	PEAK	74	PASS
	2462	Ant1	2483.5	-52.59	2.0	0	42.67	AV	54	PASS
	2462	Ant1	2500.0	-42.43	2.0	0	52.83	PEAK	74	PASS
	2462	Ant1	2500.0	-52.68	2.0	0	42.57	AV	54	PASS
11G	2412	Ant1	2310.0	-43.41	2.0	0	51.85	PEAK	74	PASS
	2412	Ant1	2310.0	-53.68	2.0	0	41.58	AV	54	PASS
	2412	Ant1	2390.0	-42.78	2.0	0	52.48	PEAK	74	PASS
	2412	Ant1	2390.0	-53.20	2.0	0	42.06	AV	54	PASS
	2462	Ant1	2483.5	-41.62	2.0	0	53.64	PEAK	74	PASS
	2462	Ant1	2483.5	-52.23	2.0	0	43.03	AV	54	PASS
	2462	Ant1	2500.0	-41.51	2.0	0	53.75	PEAK	74	PASS
	2462	Ant1	2500.0	-52.69	2.0	0	42.57	AV	54	PASS
11N20 SISO	2412	Ant1	2310.0	-43.97	2.0	0	51.29	PEAK	74	PASS
	2412	Ant1	2310.0	-53.66	2.0	0	41.60	AV	54	PASS
	2412	Ant1	2390.0	-43.27	2.0	0	51.99	PEAK	74	PASS
	2412	Ant1	2390.0	-53.18	2.0	0	42.08	AV	54	PASS
	2462	Ant1	2483.5	-42.56	2.0	0	52.70	PEAK	74	PASS
	2462	Ant1	2483.5	-52.15	2.0	0	43.11	AV	54	PASS
	2462	Ant1	2500.0	-42.65	2.0	0	52.60	PEAK	74	PASS
	2462	Ant1	2500.0	-52.71	2.0	0	42.55	AV	54	PASS
11N40 SISO	2422	Ant1	2310.0	-41.94	2.0	0	53.32	PEAK	74	PASS
	2422	Ant1	2310.0	-53.63	2.0	0	41.63	AV	54	PASS

	2422	Ant1	2390.0	-43.17	2.0	0	52.09	PEAK	74	PASS
	2422	Ant1	2390.0	-53.22	2.0	0	42.04	AV	54	PASS
	2452	Ant1	2483.5	-40.78	2.0	0	54.48	PEAK	74	PASS
	2452	Ant1	2483.5	-52.22	2.0	0	43.04	AV	54	PASS
	2452	Ant1	2500.0	-42.15	2.0	0	53.11	PEAK	74	PASS
	2452	Ant1	2500.0	-52.69	2.0	0	42.57	AV	54	PASS

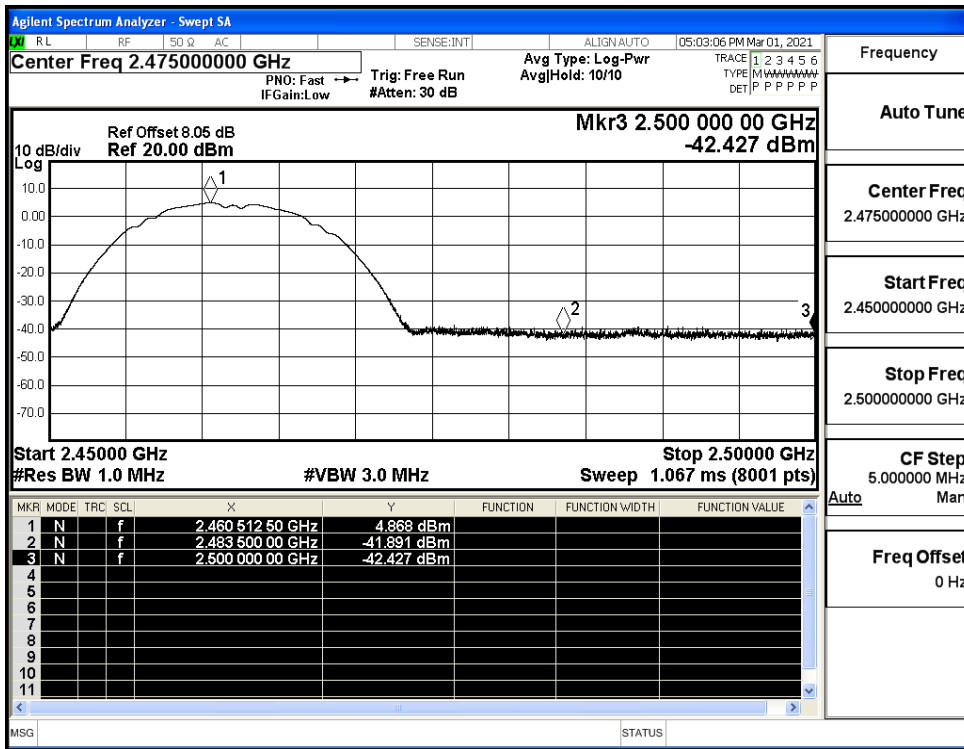
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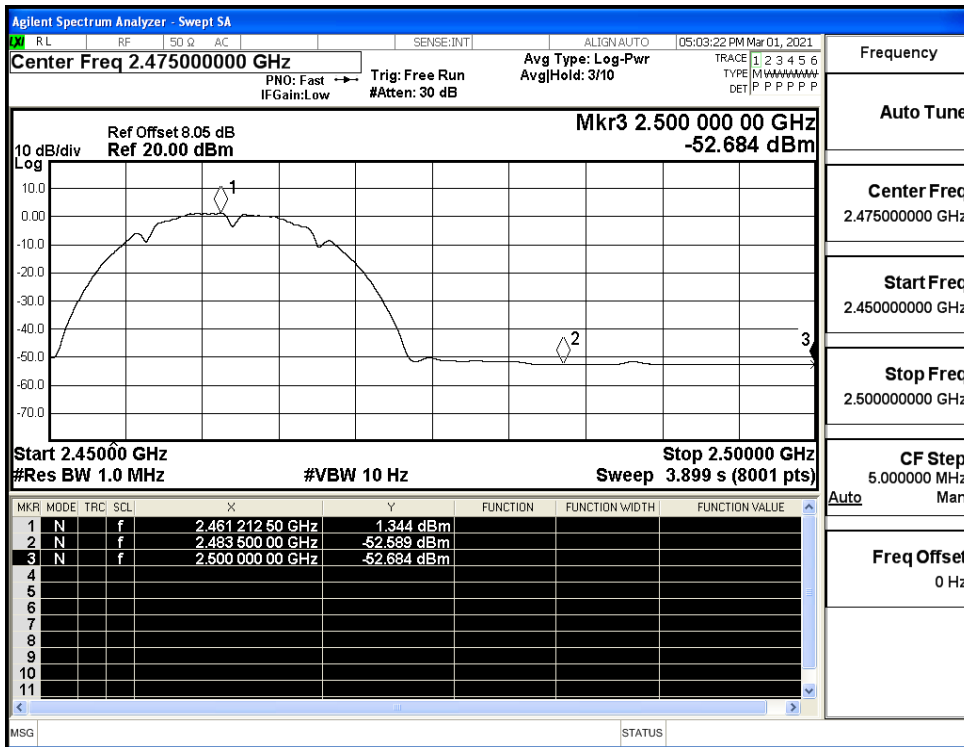
Restrict-band band-edge measurements_11B_2412_Ant1_AV



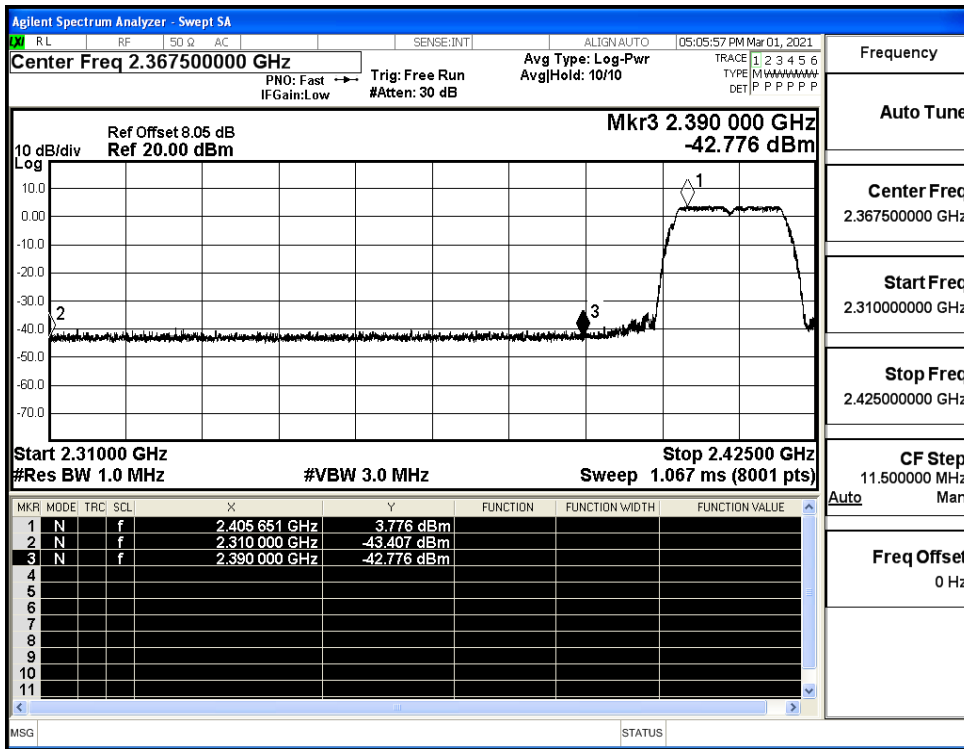
Restrict-band band-edge measurements_11B_2462_Ant1_PEAK



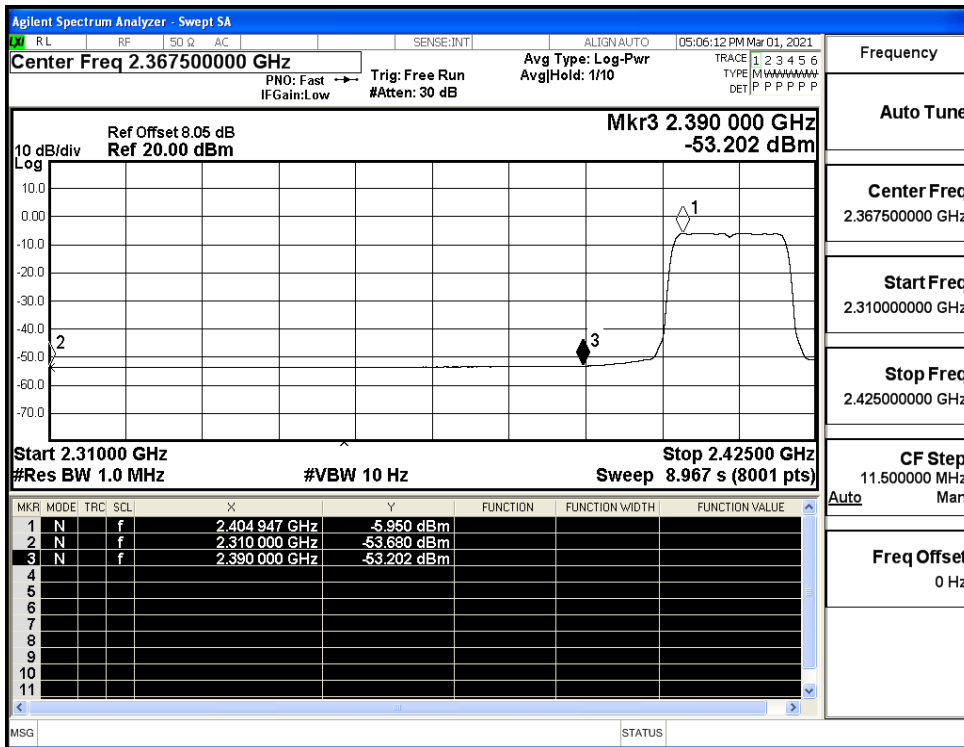
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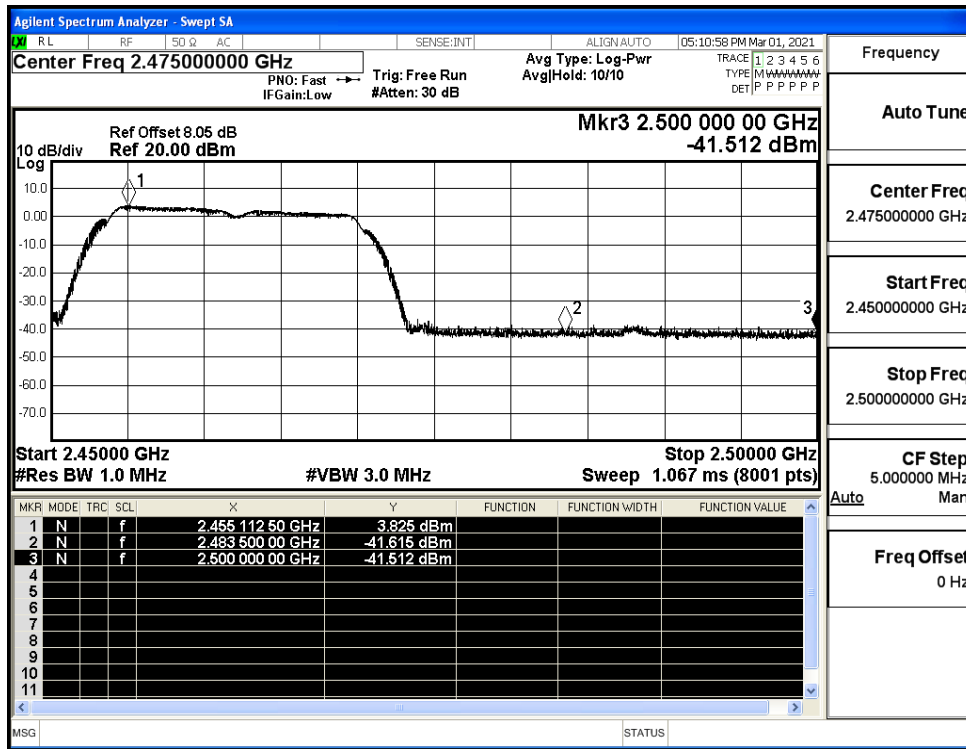
Restrict-band band-edge measurements_11G_2412_Ant1_PEAK



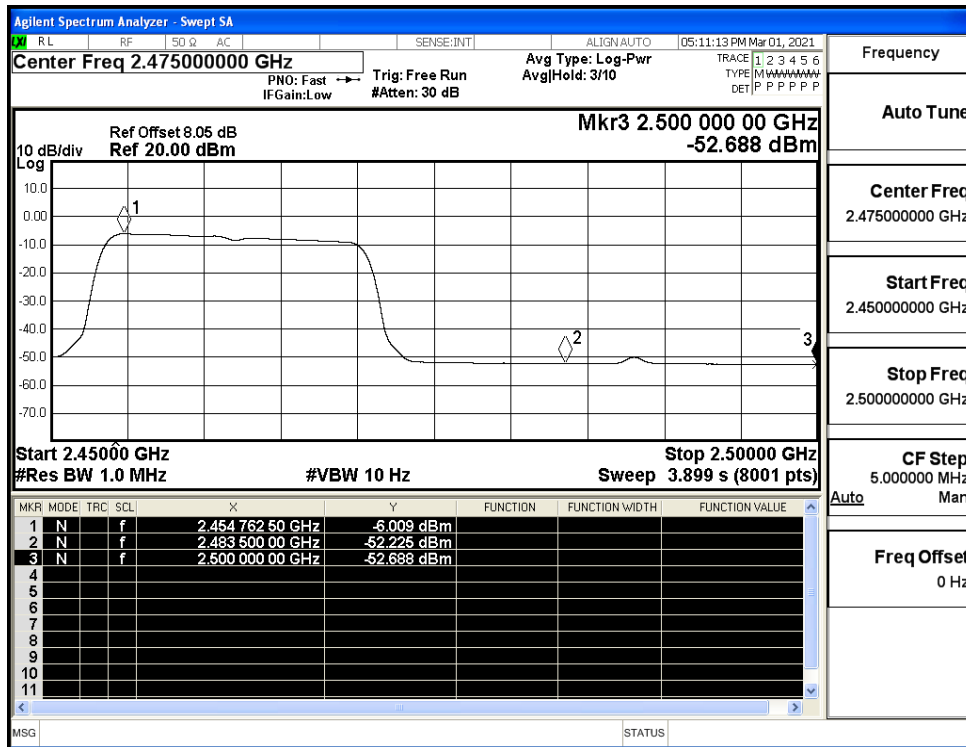
Restrict-band band-edge measurements_11G_2412_Ant1_AV



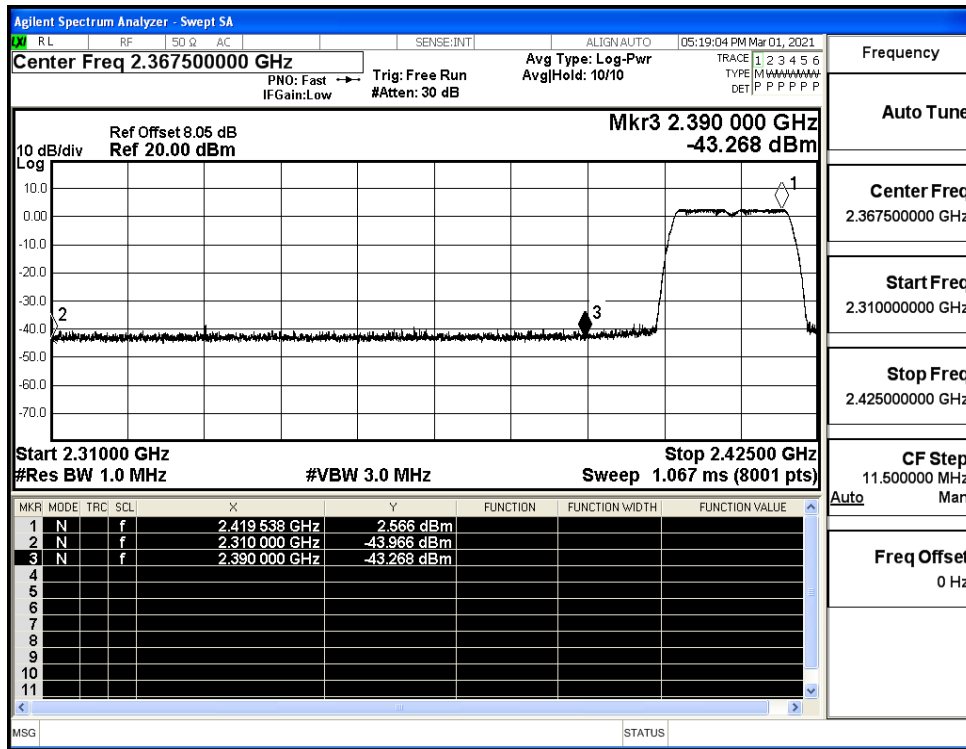
Restrict-band band-edge measurements_11G_2462_Ant1_PEAK



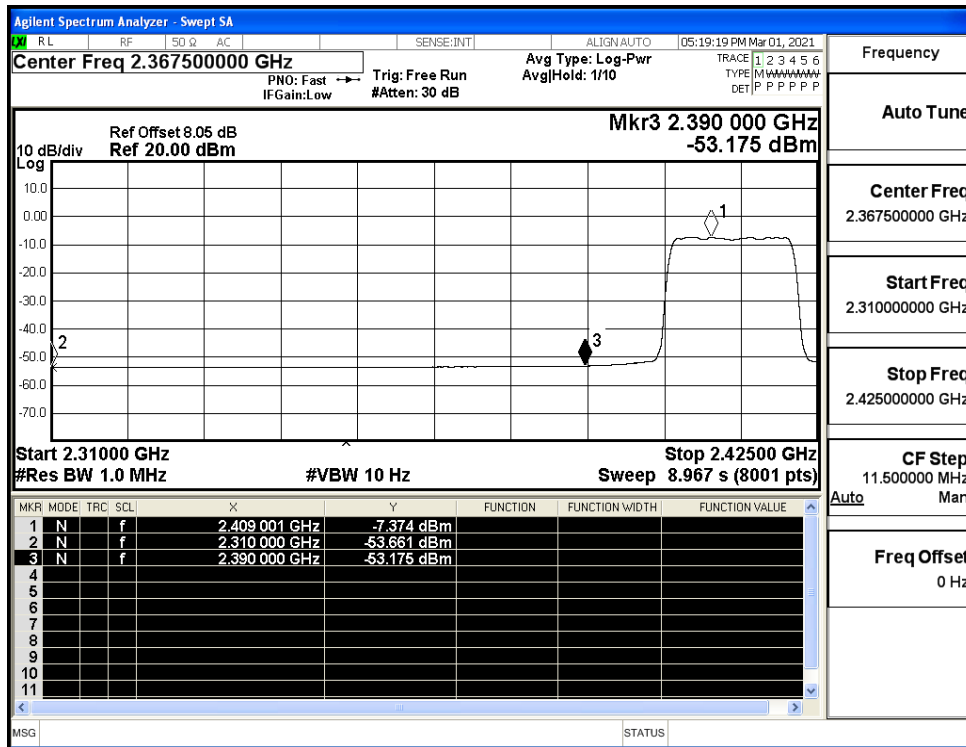
Restrict-band band-edge measurements_11G_2462_Ant1_AV



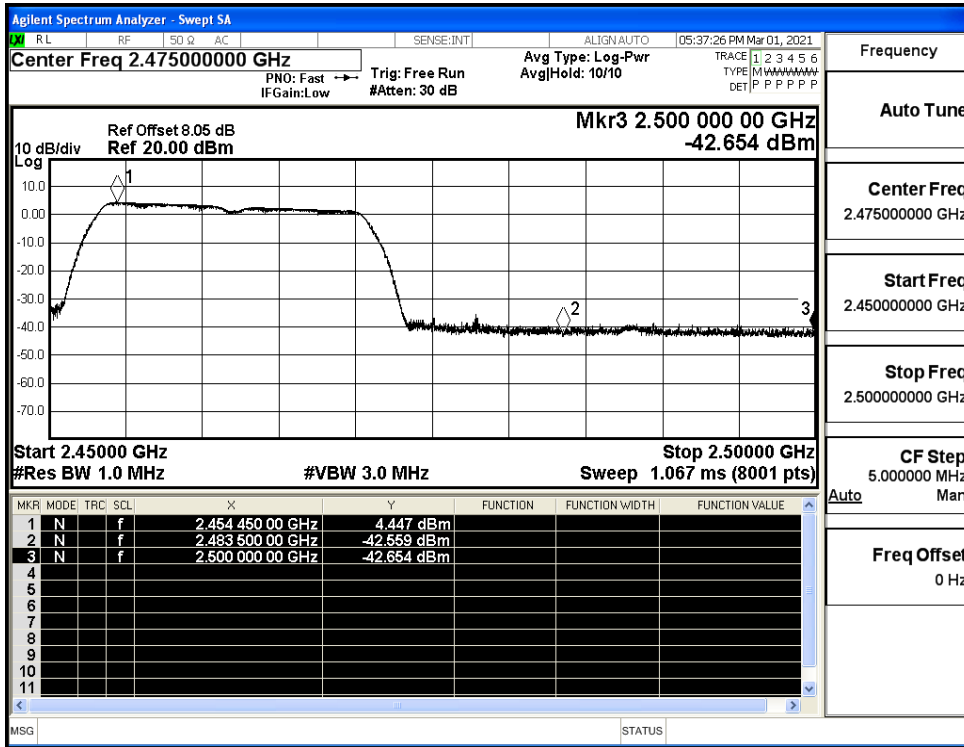
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_PEAK



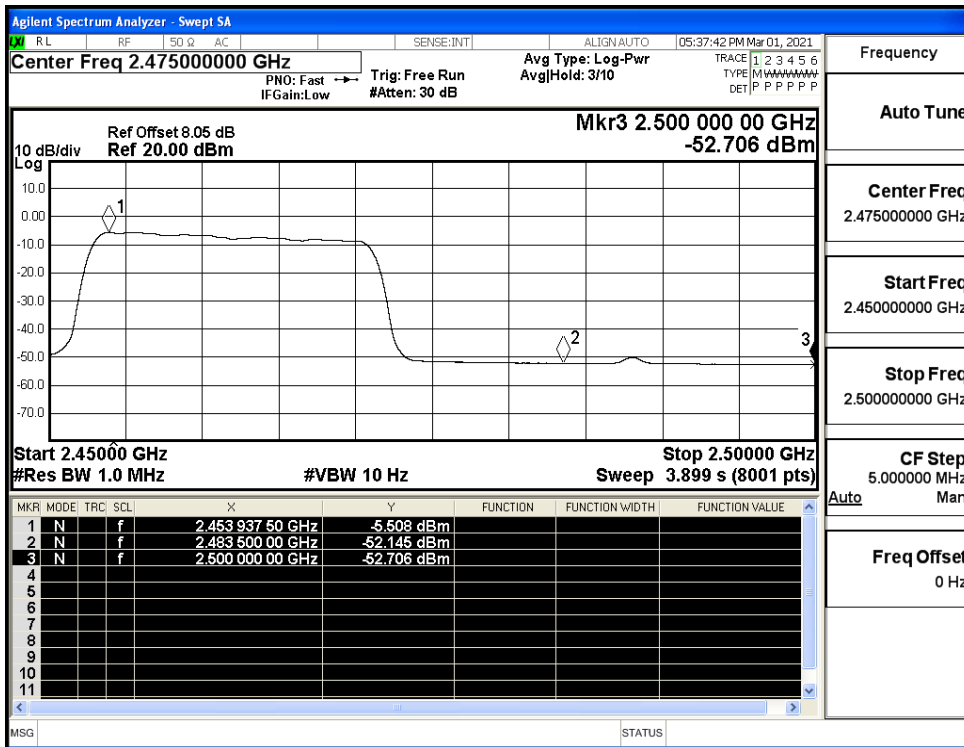
Restrict-band band-edge measurements_11N20SISO_2412_Ant1_AV



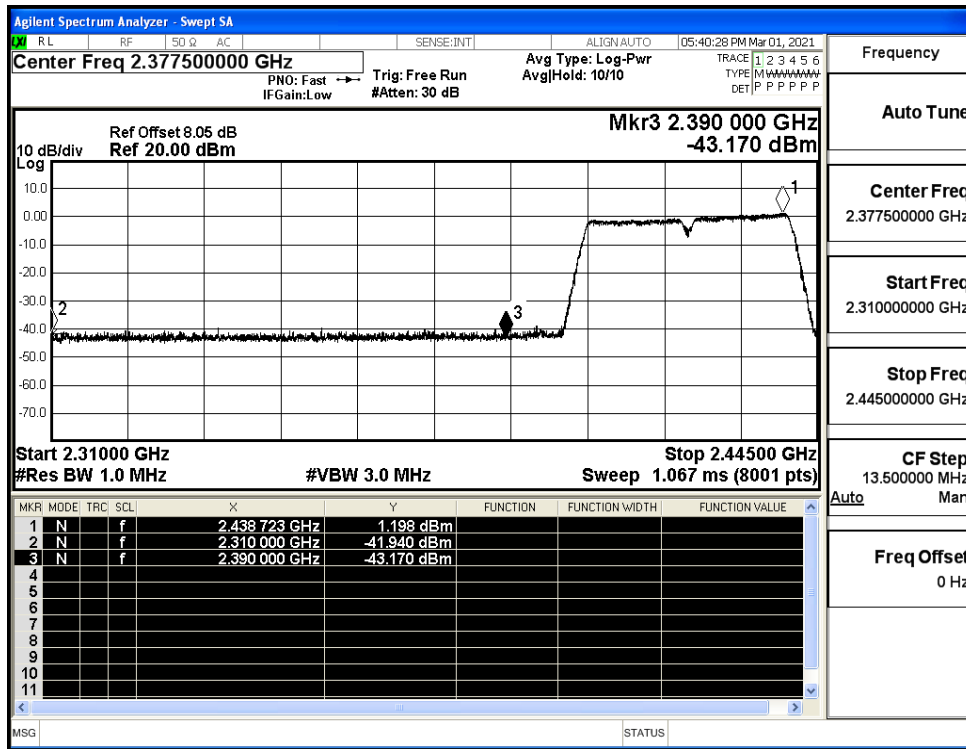
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_PEAK



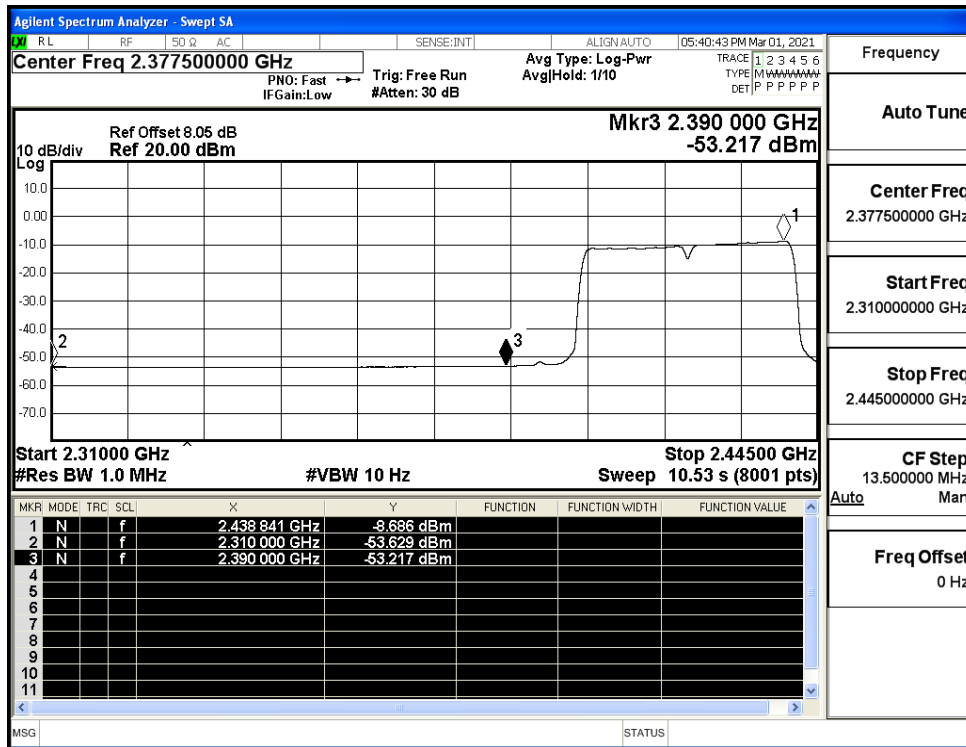
Restrict-band band-edge measurements_11N20SISO_2462_Ant1_AV



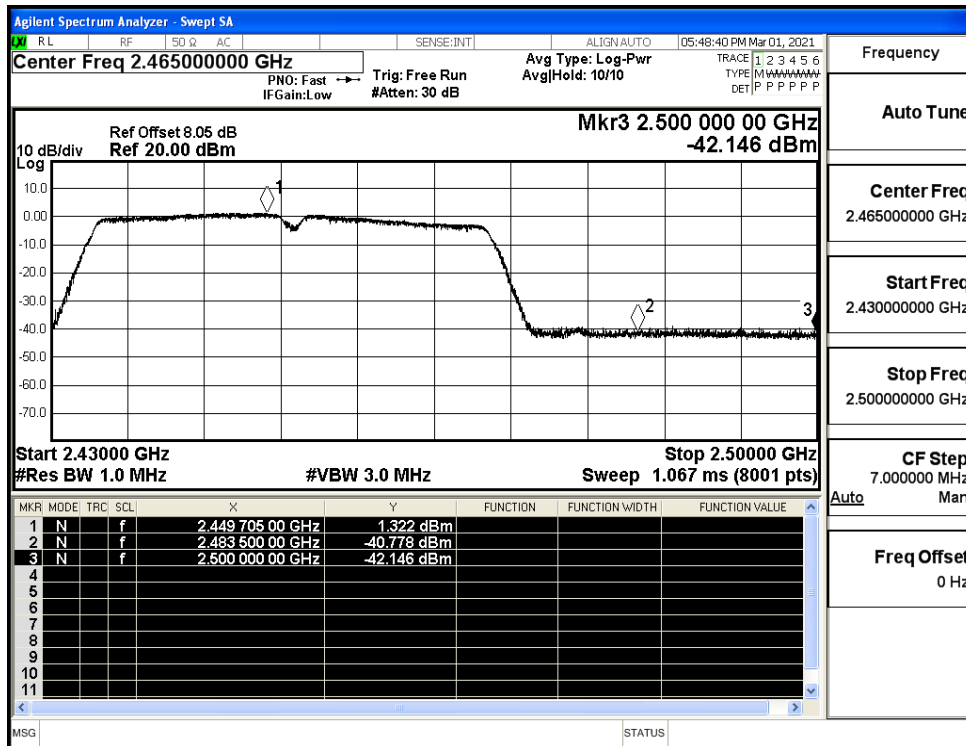
Restrict-band band-edge measurements_11N40SISO_2422_Ant1_PEAK



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

