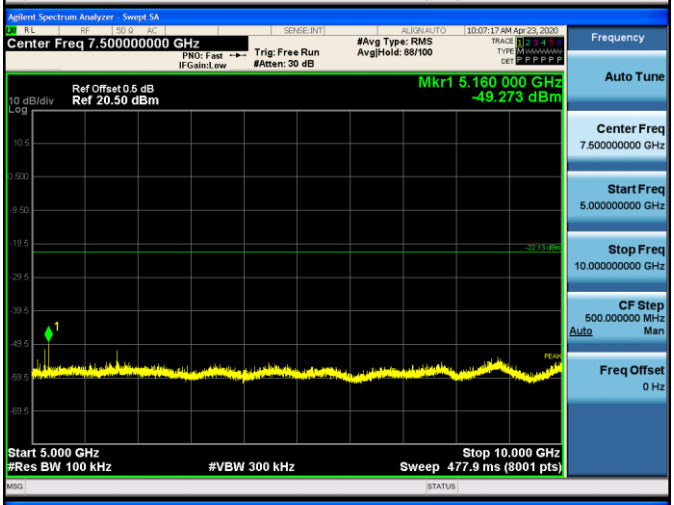
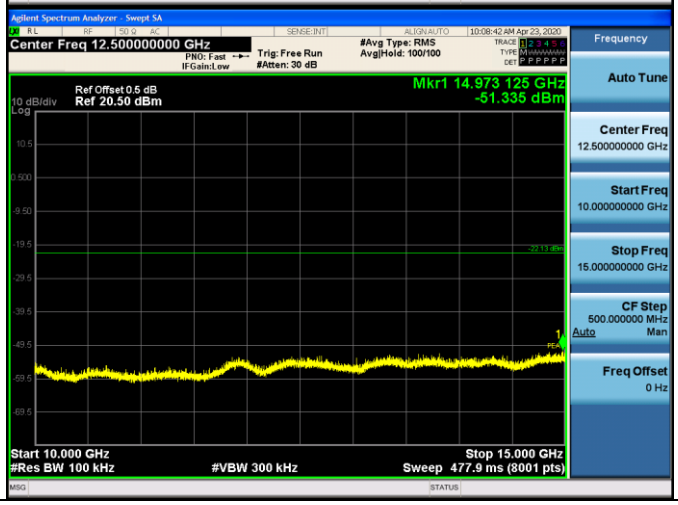
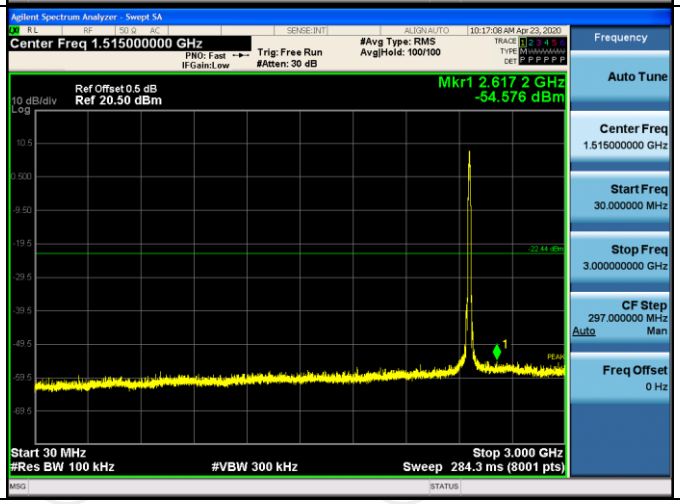
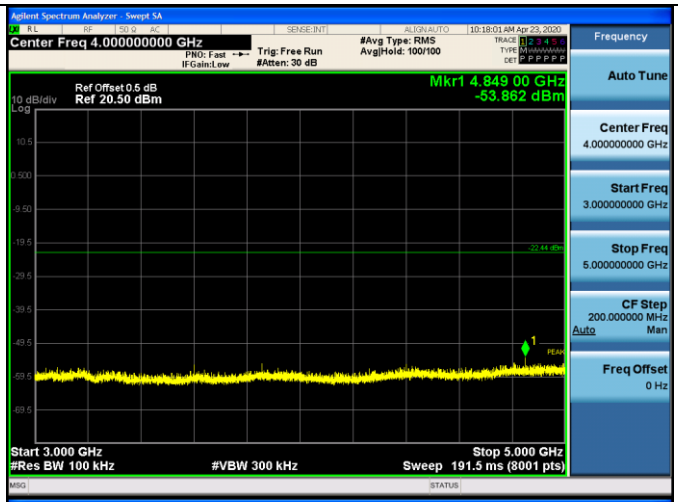

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
10:06:24 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 4.915 00 GHz
-55.337 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)

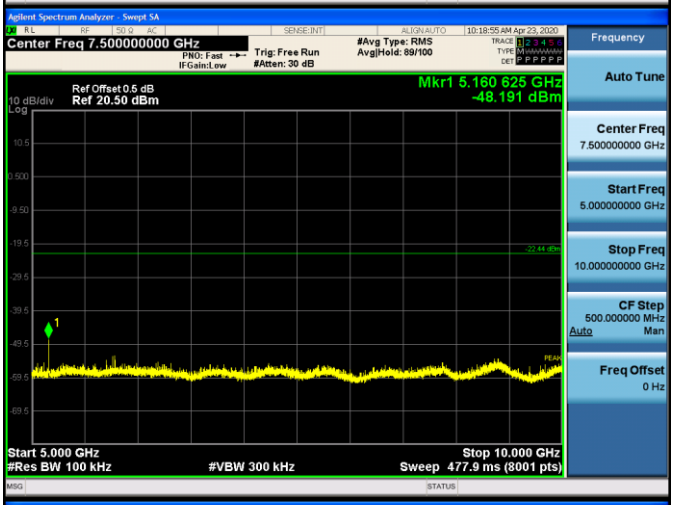

Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 88/100
10:07:17 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 5.160 000 GHz
-49.273 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)

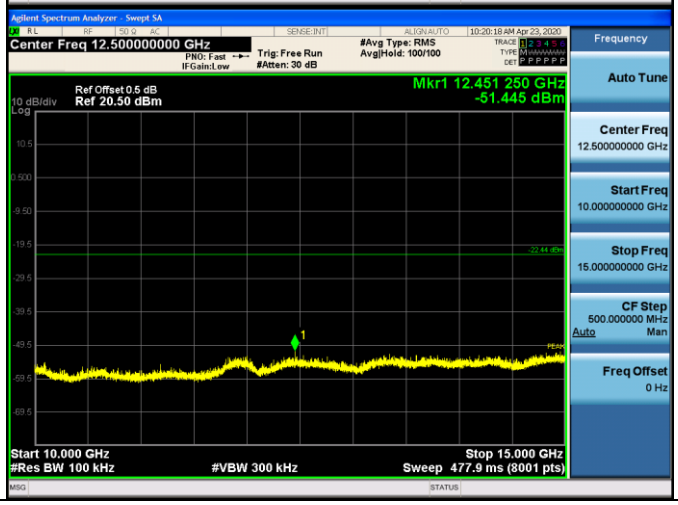

Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
10:08:42 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 14.973 125 GHz
-51.335 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

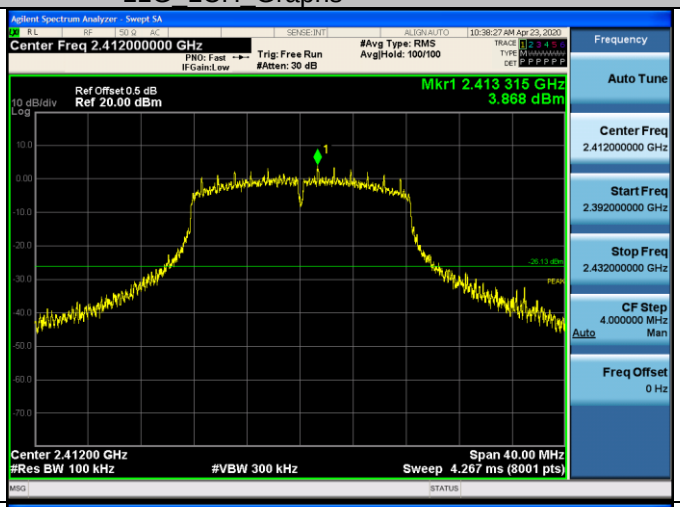
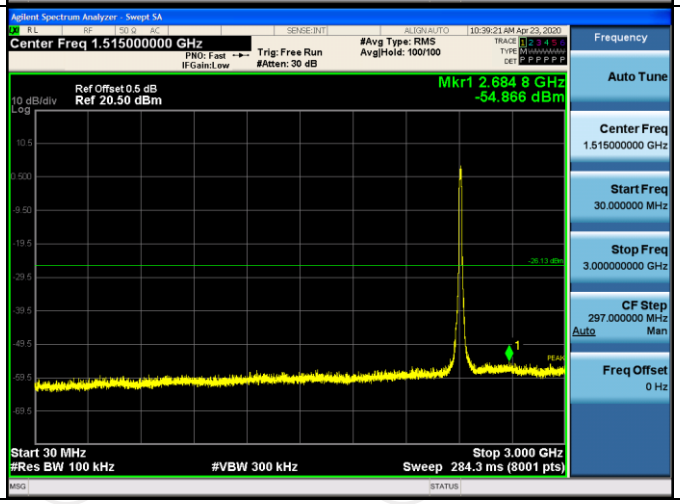
11B_HCH_Graphs		
Pref/11B/HCH		
Puw/11B/HCH		

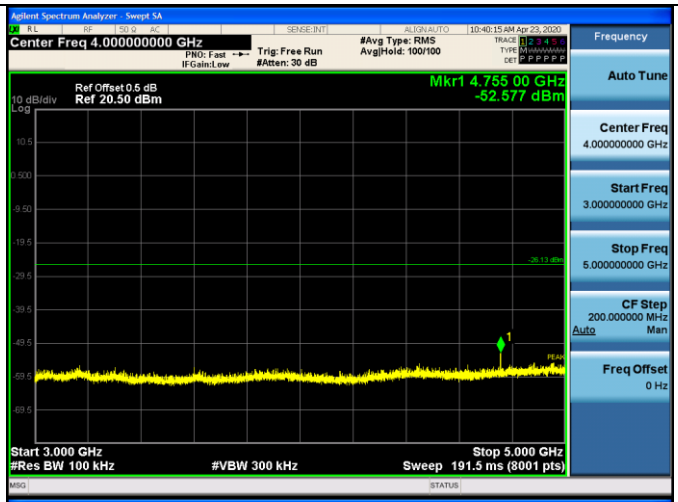

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
10:18:01 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 4.849 00 GHz
-53.862 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)

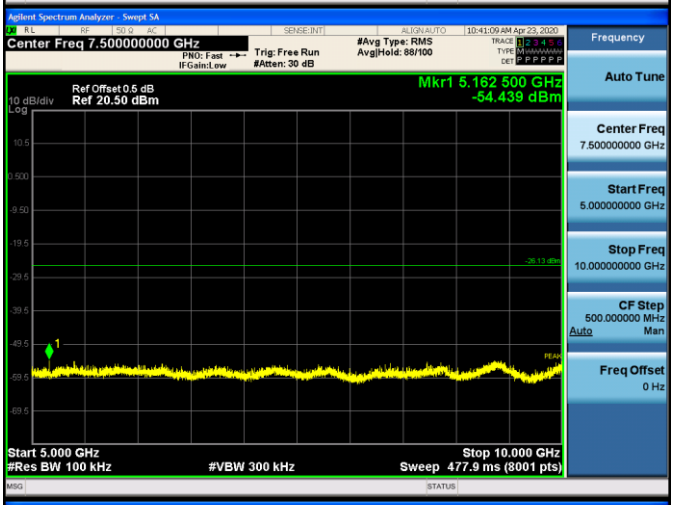

Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 89/100
10:18:55 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 5.160 625 GHz
-48.191 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)

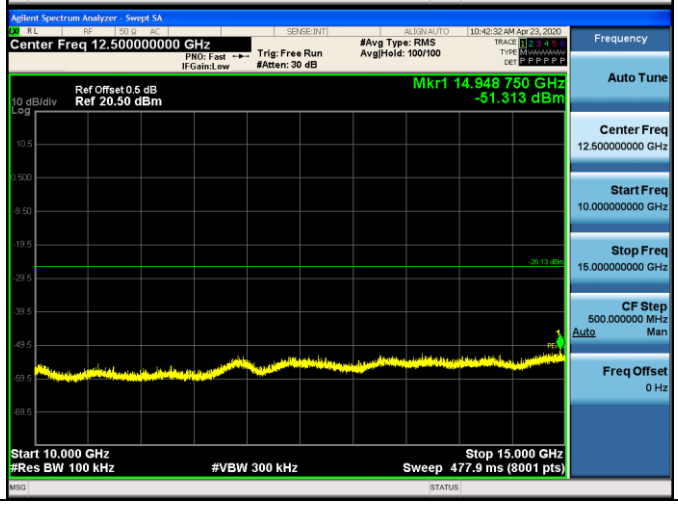

Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
10:20:18 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 12.451 250 GHz
-51.445 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

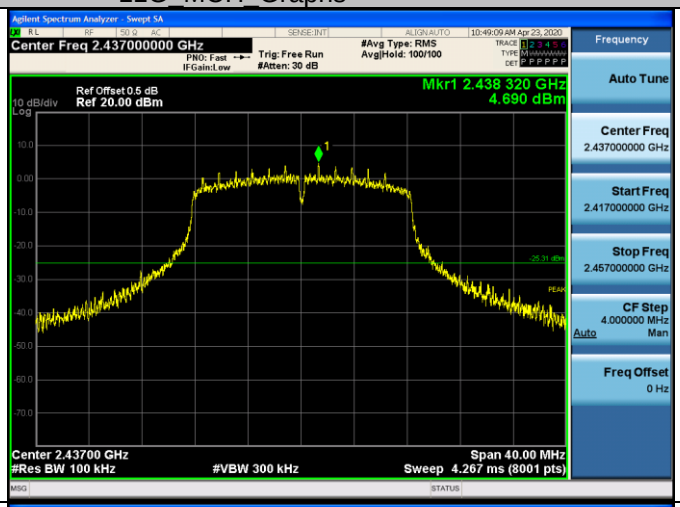
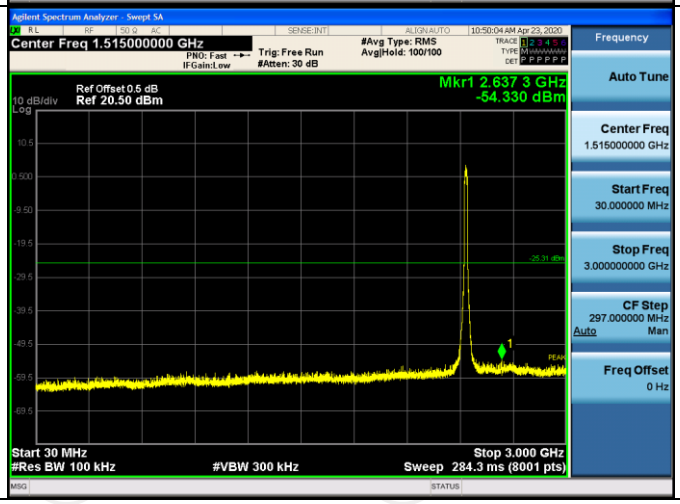
11G_LCH_Graphs		
Pref/11G/LCH		
Puw/11G/LCH		

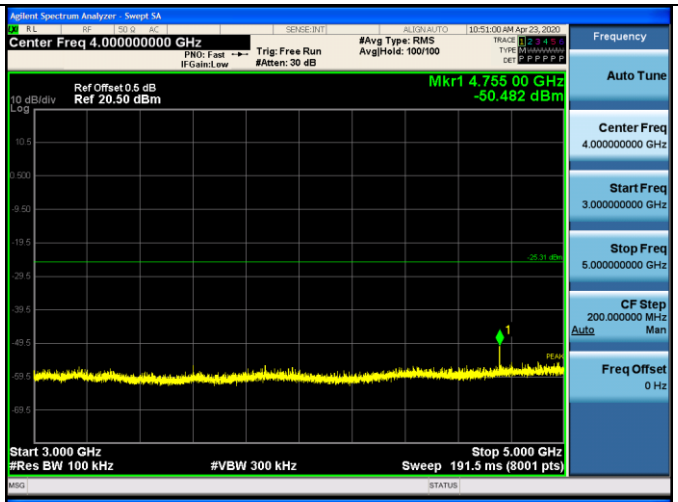

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
10:40:15 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 4.755 00 GHz
-52.577 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 88/100
10:41:09 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 5.162 500 GHz
-54.439 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)

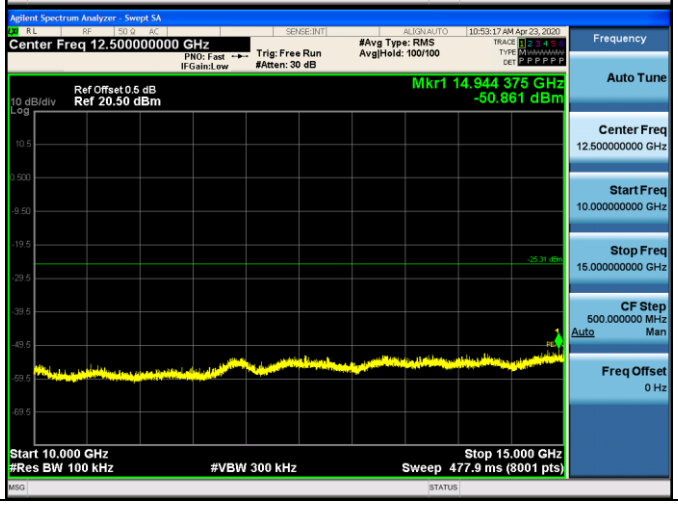

Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
10:42:32 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 14.948 750 GHz
-51.313 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

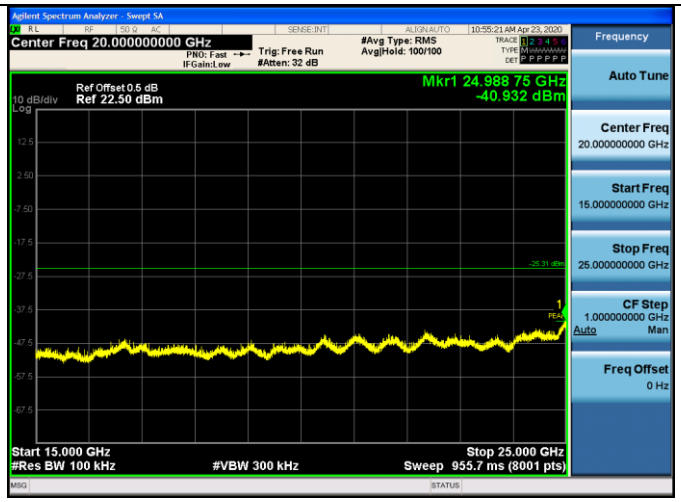
		

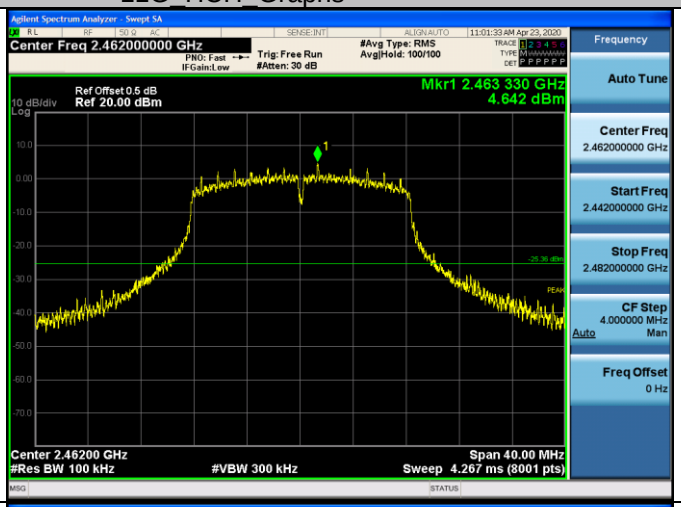
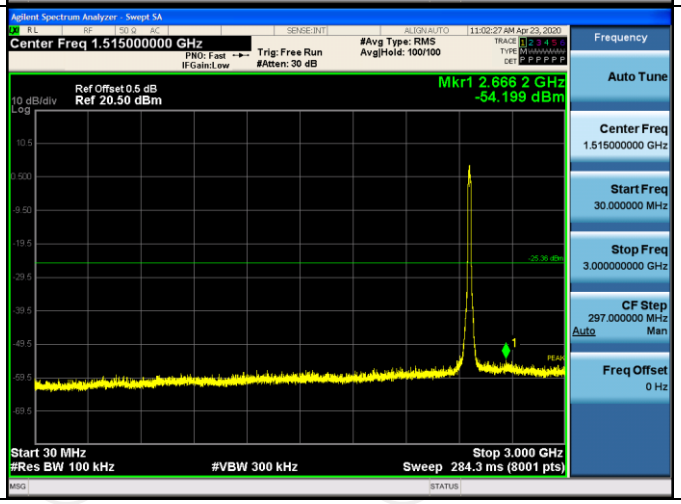
11G_MCH_Graphs		
Pref/11G/MCH		
Puw/11G/MCH		

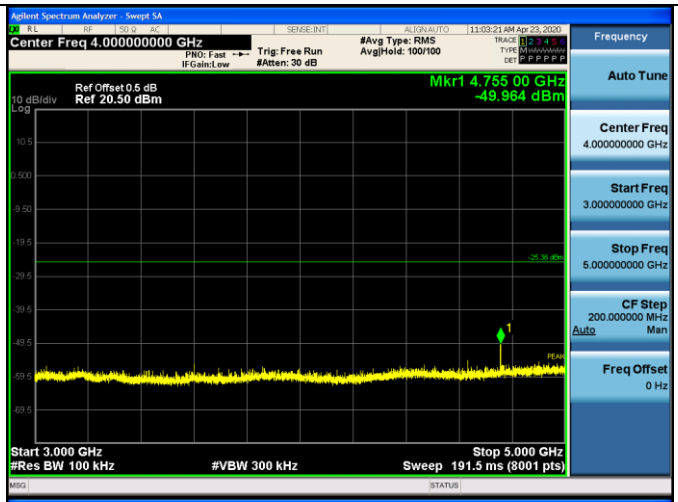

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
10:51:00 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 4.755 00 GHz
-50.482 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)

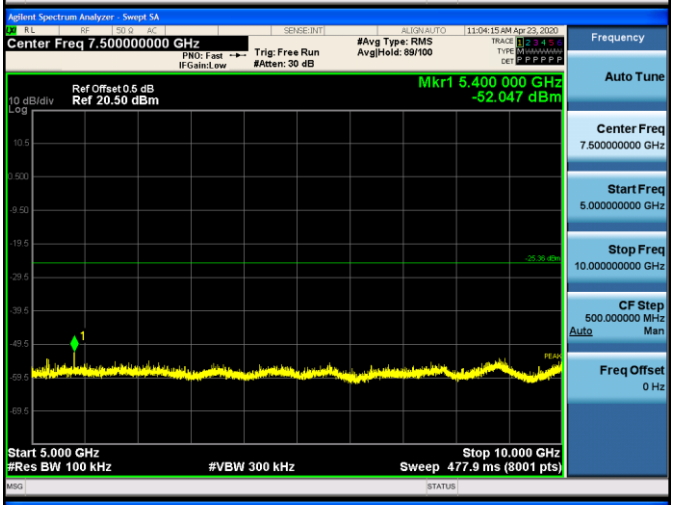

Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 88/100
10:51:54 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 5.400 000 GHz
-51.151 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)

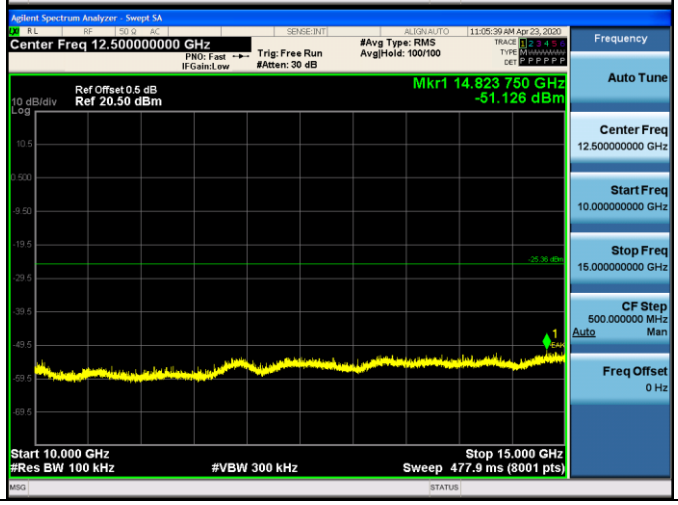

Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
10:53:17 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 14.944 375 GHz
-50.881 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

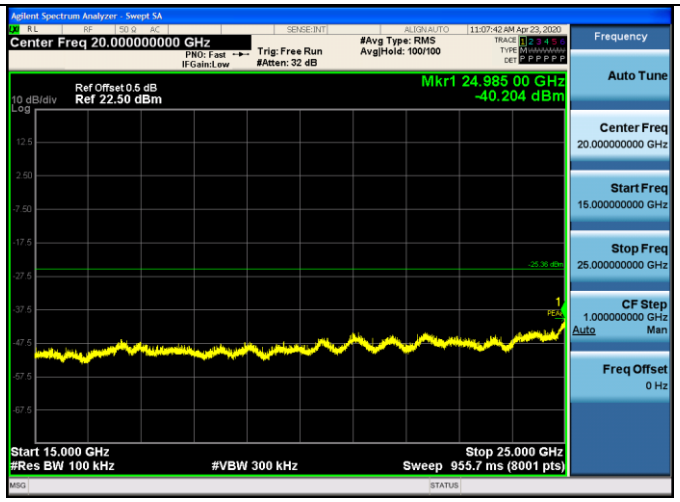
		

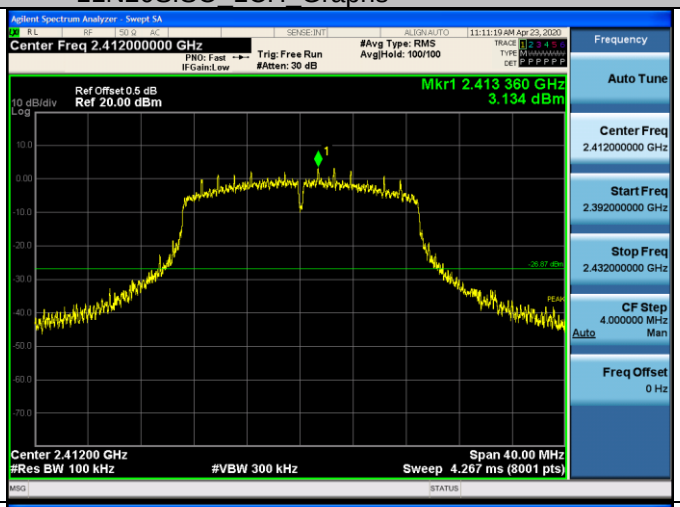
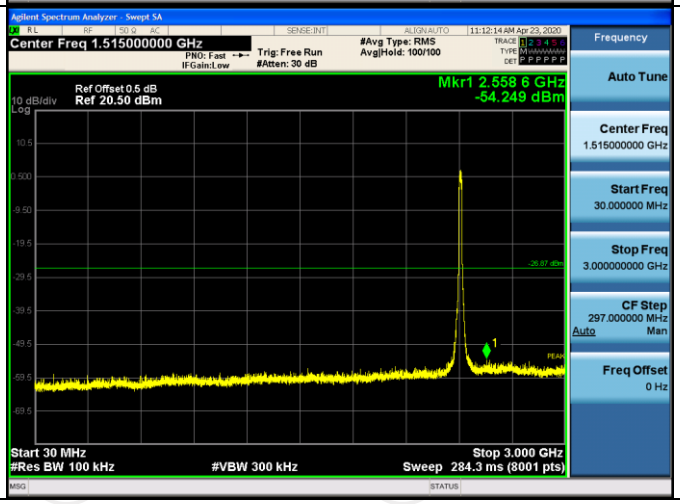
11G_HCH_Graphs		
Pref/11G/HCH		
Puw/11G/HCH		

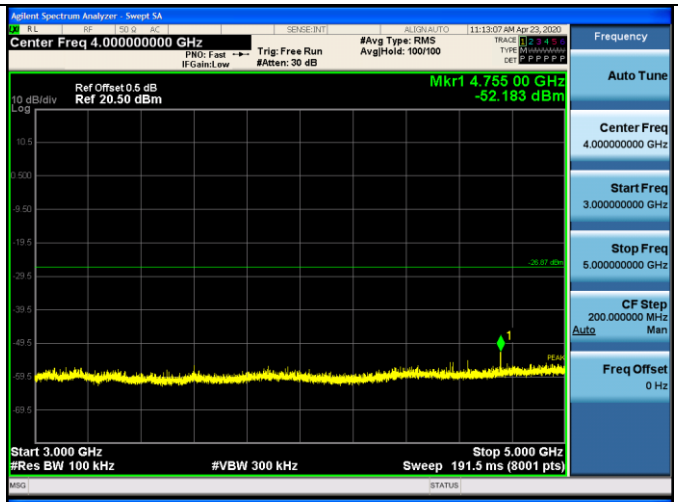

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
11:03:21 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 4.755 00 GHz
-49.964 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 89/100
11:04:15 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 5.400 000 GHz
-52.047 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)

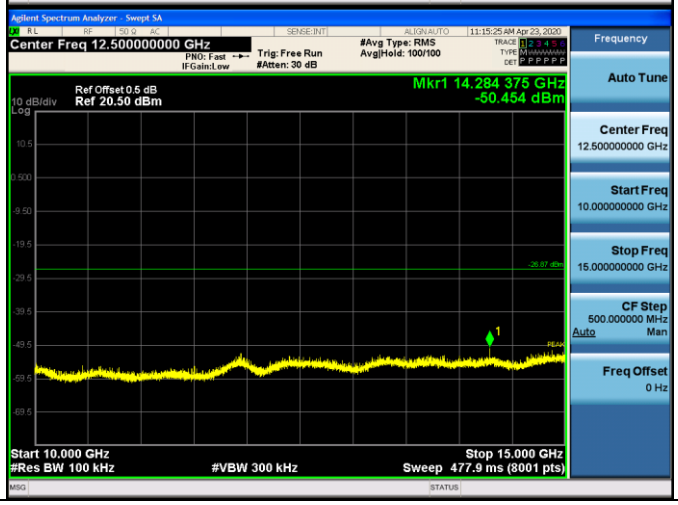

Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
11:05:39 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 14.823 750 GHz
-51.126 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

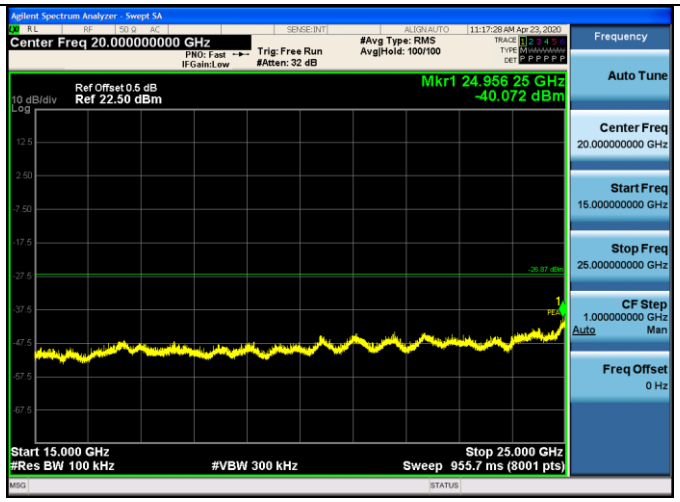
		

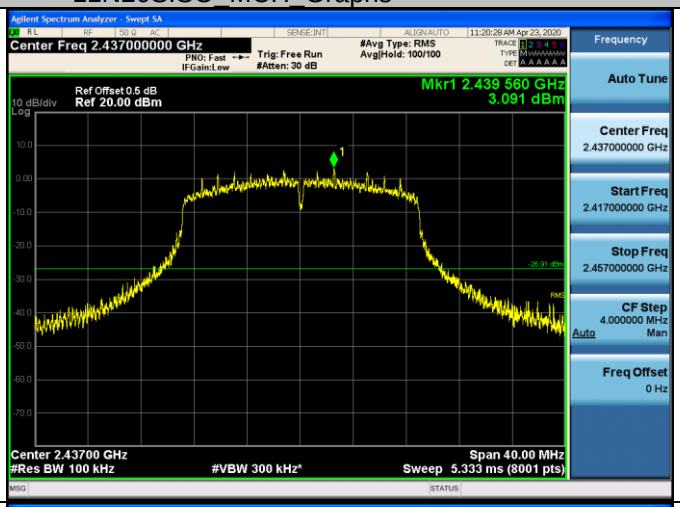
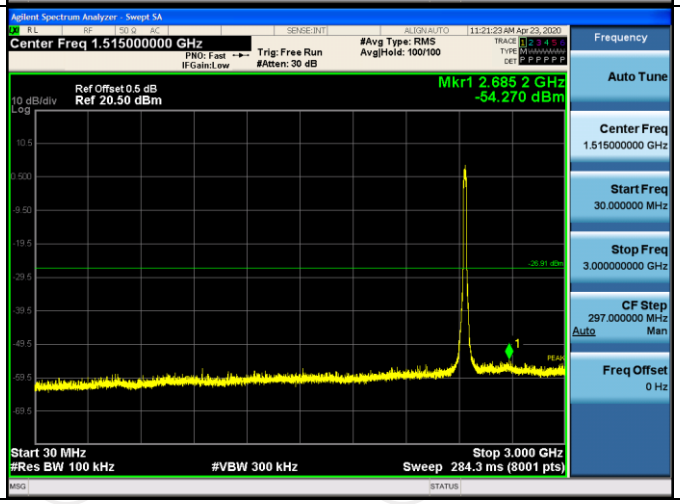
11N20SISO_LCH_Graphs		
Pref/11N20SISO/LCH		
/11N20SISO/LCH		

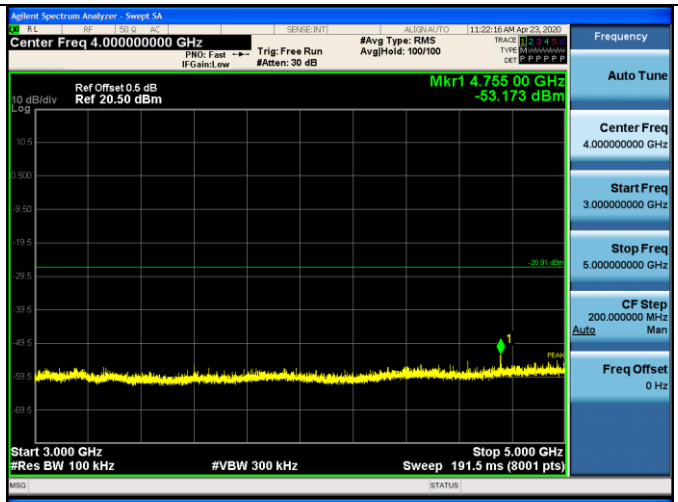

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
11:13:07 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 4.755 00 GHz
-52.183 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)

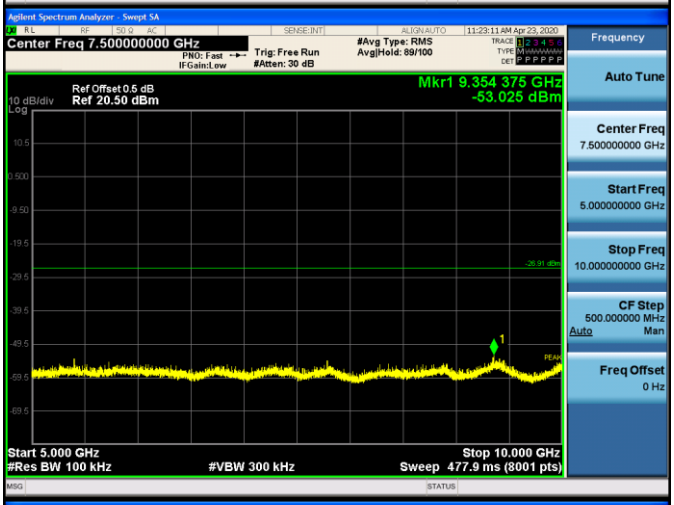

Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 89/100
11:14:01 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 5.400 000 GHz
-53.351 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)

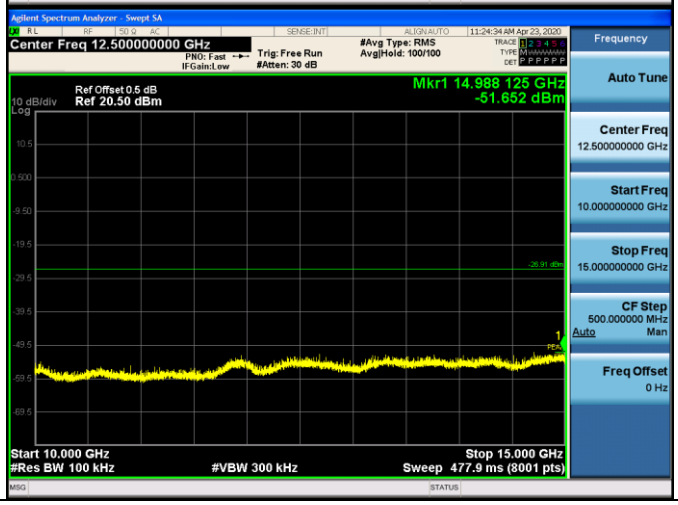

Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
11:15:25 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 14.284 375 GHz
-50.454 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

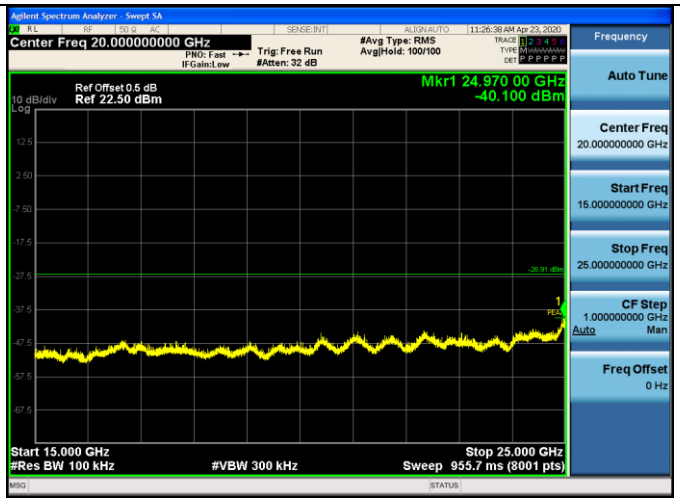
		

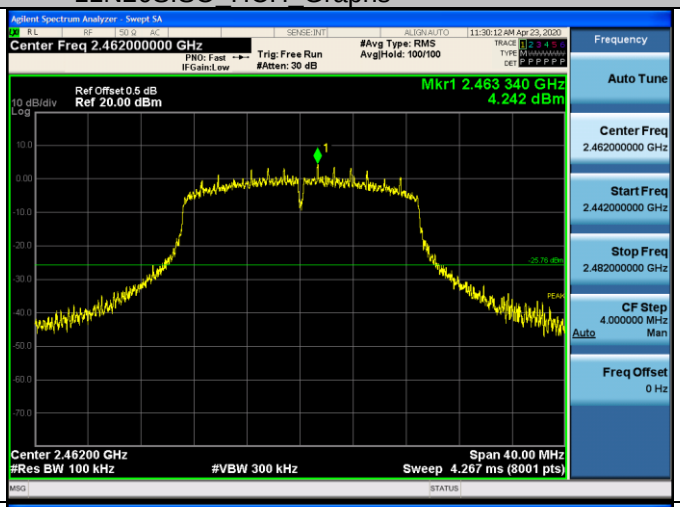
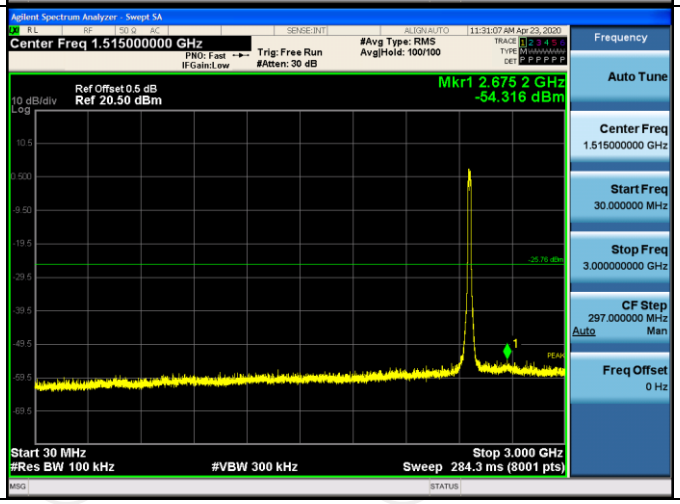
11N20SISO_MCH_Graphs		
Pref/11N20SISO/MCH		
Puw/11N20SISO/MCH		

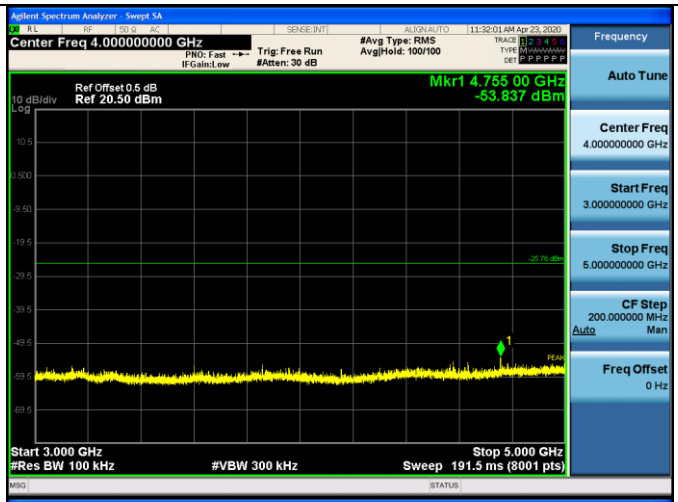

Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
11:22:16 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 4.755 00 GHz
-53.173 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)

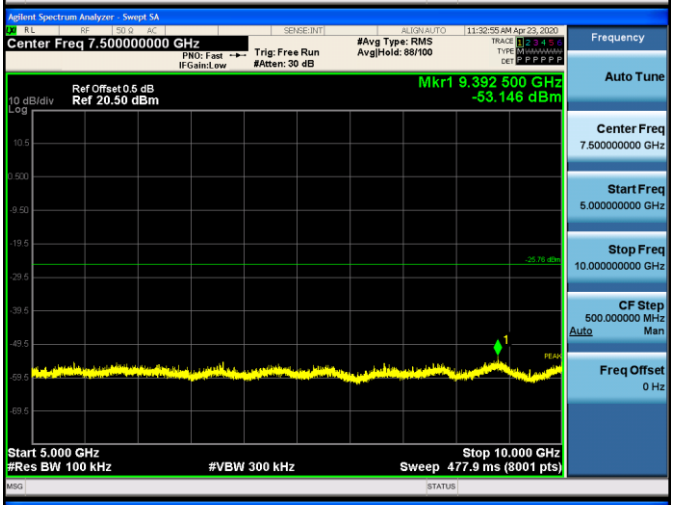

Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 89/100
11:23:11 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 9.354 375 GHz
-53.025 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)

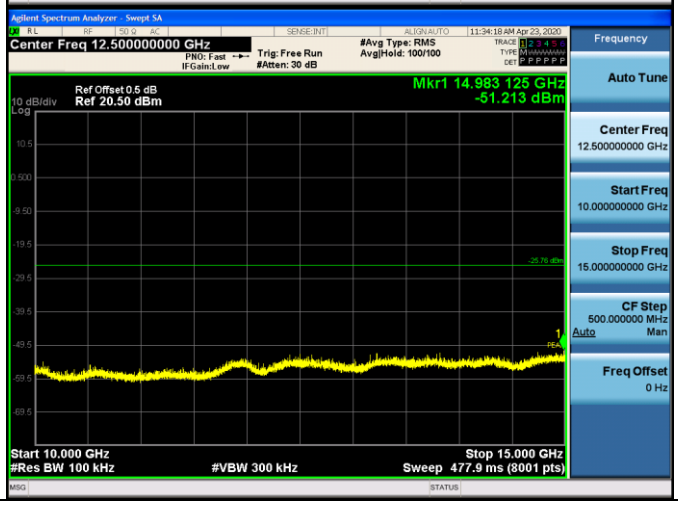

Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
11:24:34 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 14.988 125 GHz
-51.652 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

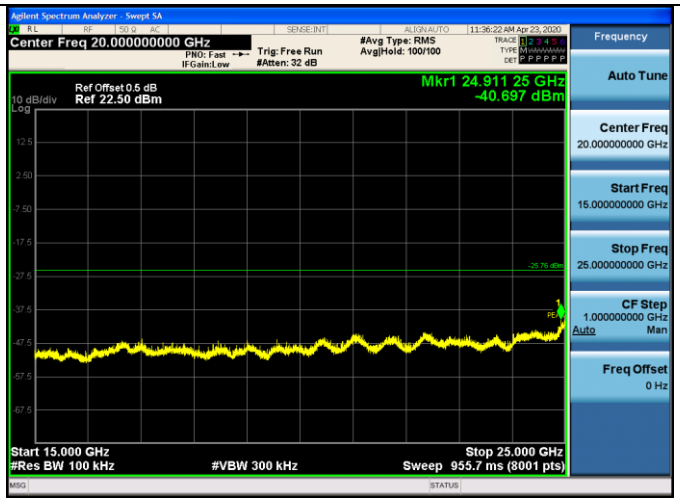
	

11N20SISO_HCH_Graphs		
Pref/11N20SISO/HCH		
Puw/11N20SISO/HCH		


Agilent Spectrum Analyzer - Swept SA
Center Freq 4.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
11:32:01 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 4.755 00 GHz
-53.837 dBm
Center Freq
4.000000000 GHz
Start Freq
3.000000000 GHz
Stop Freq
5.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 3.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 5.000 GHz
Sweep 191.5 ms (8001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 7.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 88/100
11:32:55 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 9.392 500 GHz
-53.146 dBm
Center Freq
7.500000000 GHz
Start Freq
5.000000000 GHz
Stop Freq
10.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 5.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 10.000 GHz
Sweep 477.9 ms (8001 pts)


Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
11:34:18 AM Apr 23, 2020
Frequency
Auto Tune
Ref Offset 0.5 dB
10 dB/div
Ref 20.50 dBm
Log
Mkr1 14.983 125 GHz
-51.213 dBm
Center Freq
12.500000000 GHz
Start Freq
10.000000000 GHz
Stop Freq
15.000000000 GHz
CF Step
500.000000 MHz
Auto
Man
Freq Offset
0 Hz
Start 10.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 15.000 GHz
Sweep 477.9 ms (8001 pts)

Agilent Spectrum Analyzer - Swept SA
Center Freq 20.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 32 dB
#Avg Type: RMS
Avg|Hold: 100/100
11:36:22 AM Apr 23, 2020
Ref Offset 0.5 dB
10 dB/div
Ref 22.50 dBm
Log
Mkr1 24.911 25 GHz
-40.697 dBm
Start 15.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.000 GHz
Sweep 955.7 ms (8001 pts)
Frequency
Auto Tune
Center Freq
20.000000000 GHz
Start Freq
15.000000000 GHz
Stop Freq
25.000000000 GHz
CF Step
1.000000000 GHz
Auto
Man
Freq Offset
0 Hz

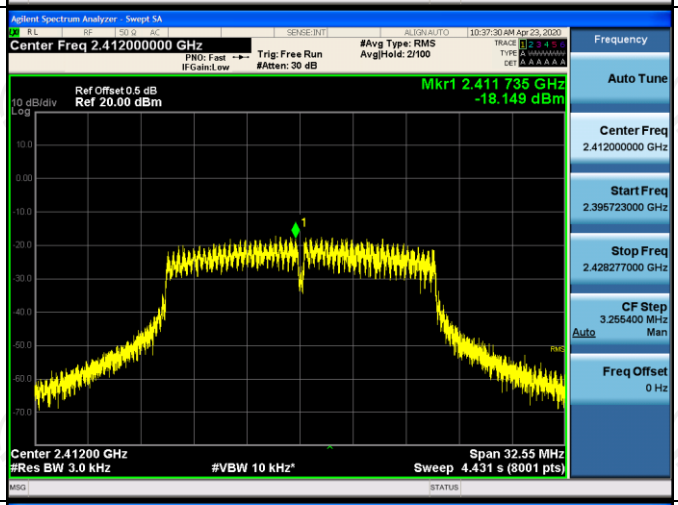
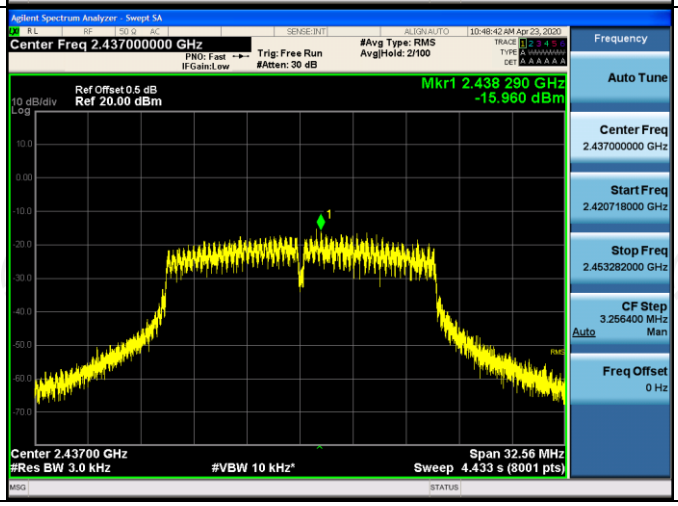
Power Spectral Density

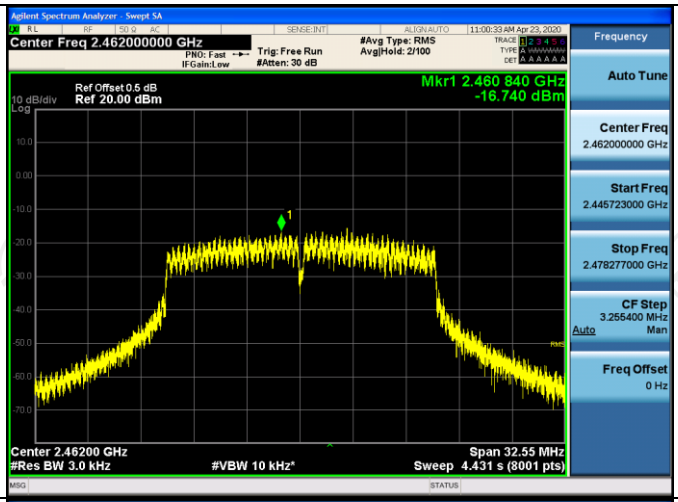
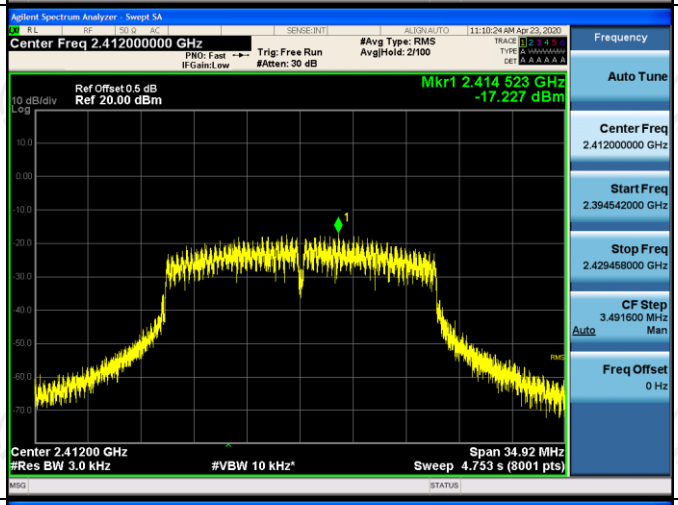
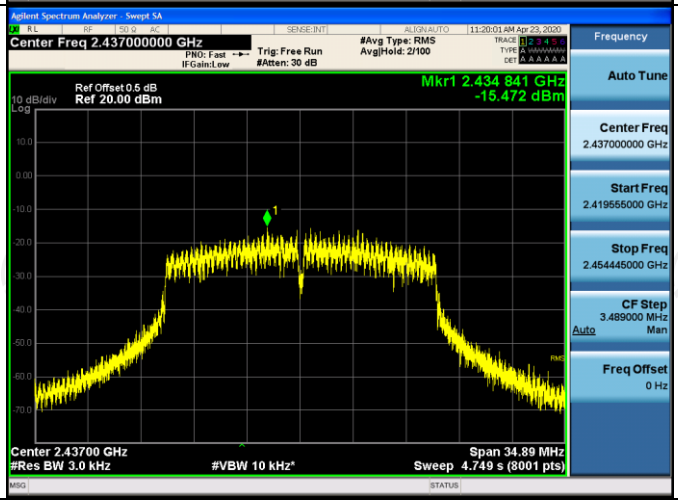
Result Table

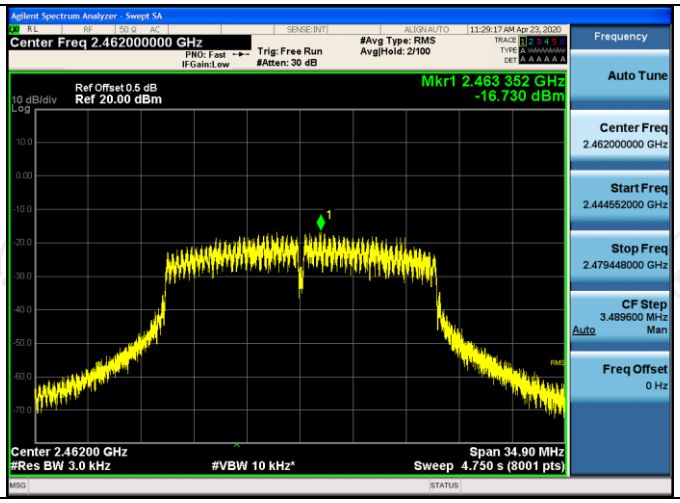
Mode	Channel	Meas.Level [dBm]	Verdict
11B	LCH	-13.296	PASS
11B	MCH	-12.384	PASS
11B	HCH	-12.656	PASS
11G	LCH	-18.149	PASS
11G	MCH	-17.199	PASS
11G	HCH	-16.740	PASS
11N20SISO	LCH	-17.227	PASS
11N20SISO	MCH	-15.472	PASS
11N20SISO	HCH	-16.730	PASS

Test Graph

Graphs			
11B/LCH			
11B/MCH			

11B/HCH			
11G/LCH			
11G/MCH			

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

11N20SISO/HCH			

Appendix B: Photographs of Test Setup

Refer to the test report No. TCT200410E010

Appendix C: Photographs of EUT

Refer to the test report No. TCT200410E010

********END OF REPORT********

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com