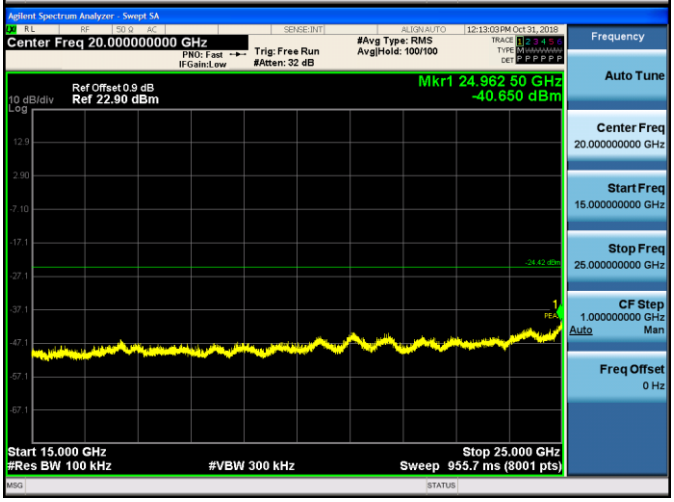

Agilent Spectrum Analyzer - Swept SA
Center Freq 12.500000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 100/100
12:10:59 PM Oct 31, 2018
Frequency
Auto Tune
Ref Offset 0.9 dB
10 dB/div
Ref 20.90 dBm
Log
Mkr1 14.975 000 GHz
-50.984 dBm
Center Freq
12.500000000 GHz
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)

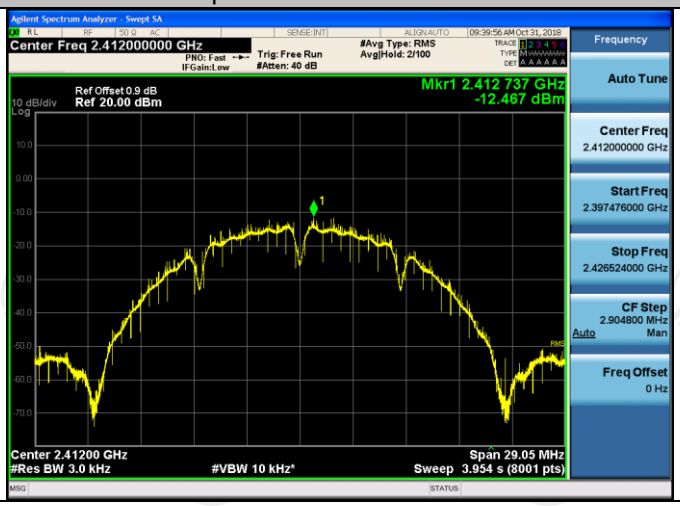

Agilent Spectrum Analyzer - Swept SA
Center Freq 20.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 32 dB
#Avg Type: RMS
Avg|Hold: 100/100
12:13:03 PM Oct 31, 2018
Frequency
Auto Tune
Ref Offset 0.9 dB
10 dB/div
Ref 22.90 dBm
Log
Mkr1 24.962 50 GHz
-40.650 dBm
Center Freq
20.000000000 GHz
Start Freq
15.000000000 GHz
Stop Freq
25.000000000 GHz
CF Step
1.000000000 GHz
Auto
Man
Freq Offset
0 Hz
Start 15.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.000 GHz
Sweep 955.7 ms (8001 pts)

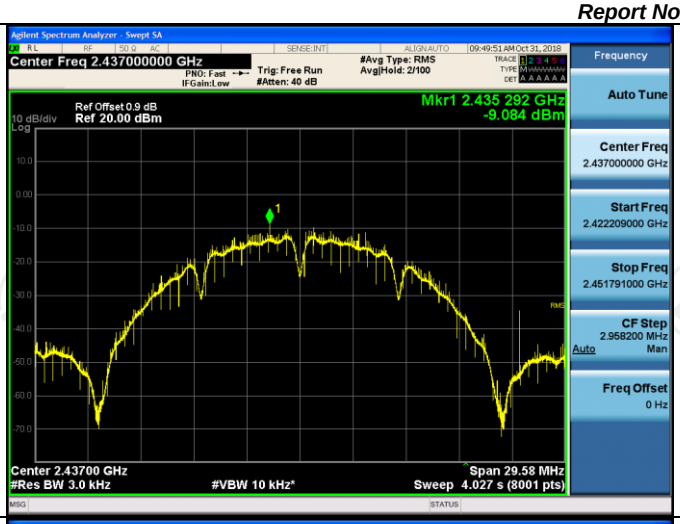
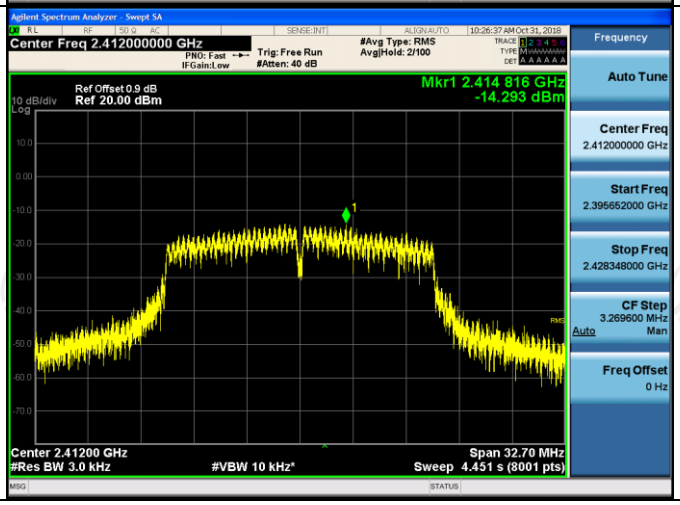
Power Spectral Density

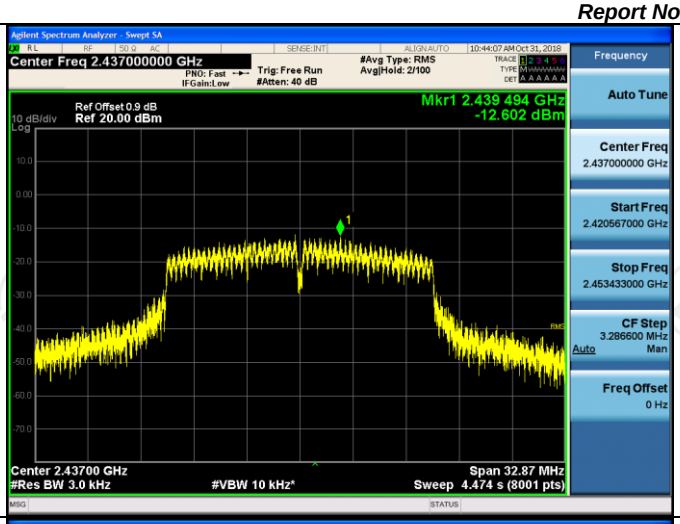
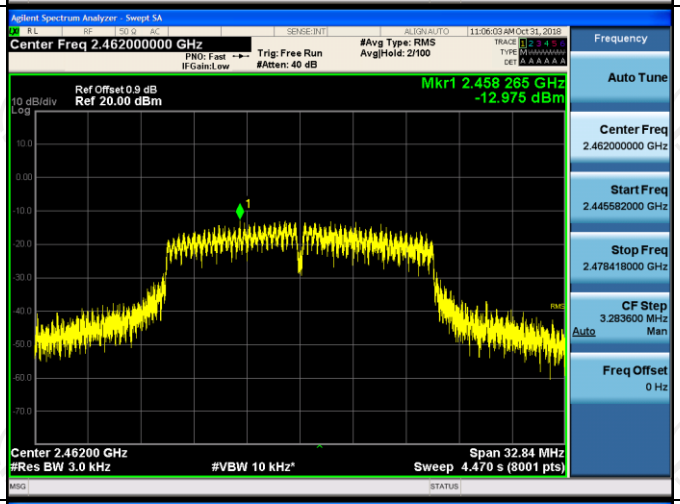
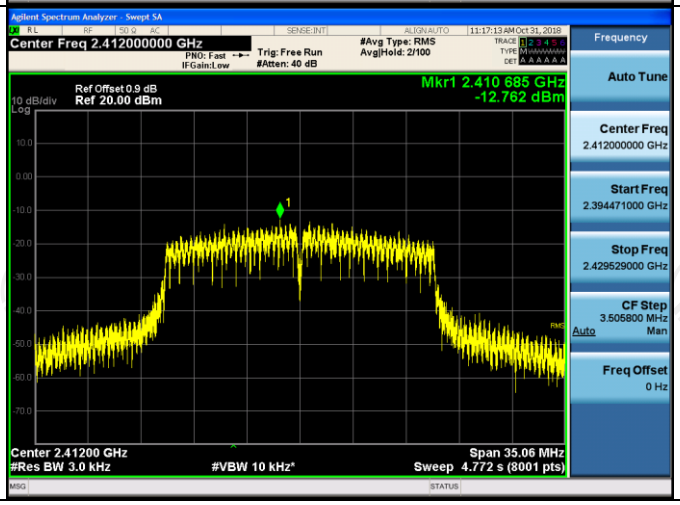
Result Table

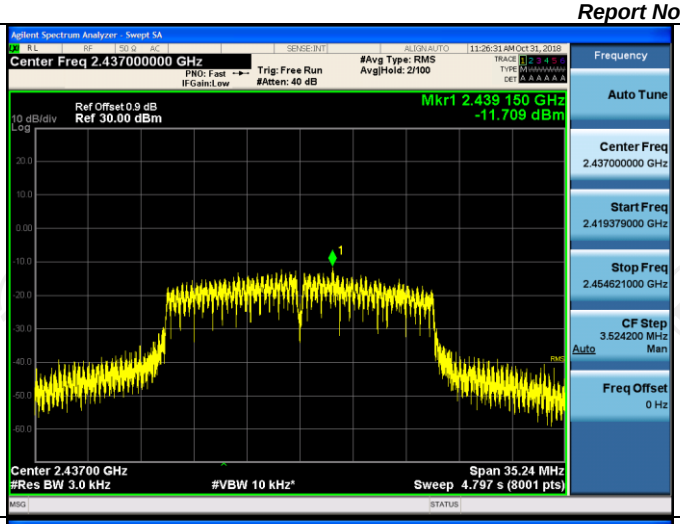
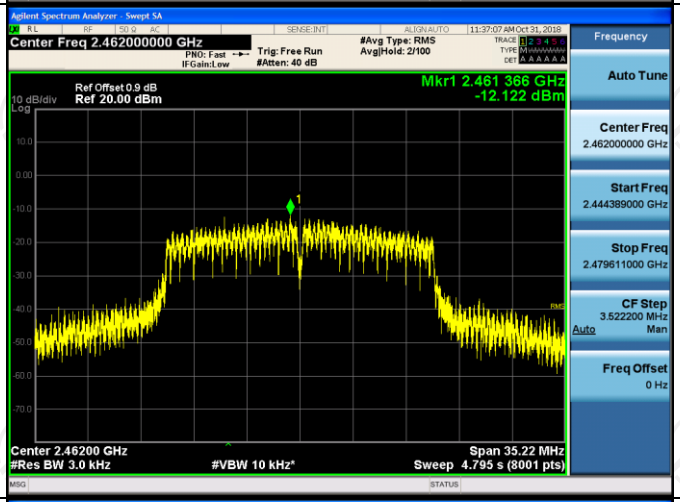
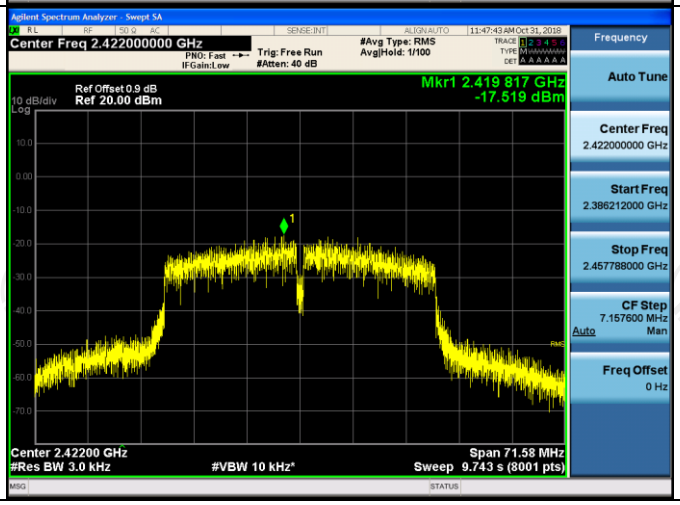
Mode	Channel	Meas.Level [dBm]	Verdict
11B	LCH	-12.467	PASS
11B	MCH	-9.084	PASS
11B	HCH	-10.414	PASS
11G	LCH	-14.293	PASS
11G	MCH	-12.602	PASS
11G	HCH	-12.975	PASS
11N20SISO	LCH	-12.762	PASS
11N20SISO	MCH	-11.709	PASS
11N20SISO	HCH	-12.122	PASS
11N40SISO	LCH	-17.519	PASS
11N40SISO	MCH	-16.013	PASS
11N40SISO	HCH	-16.881	PASS

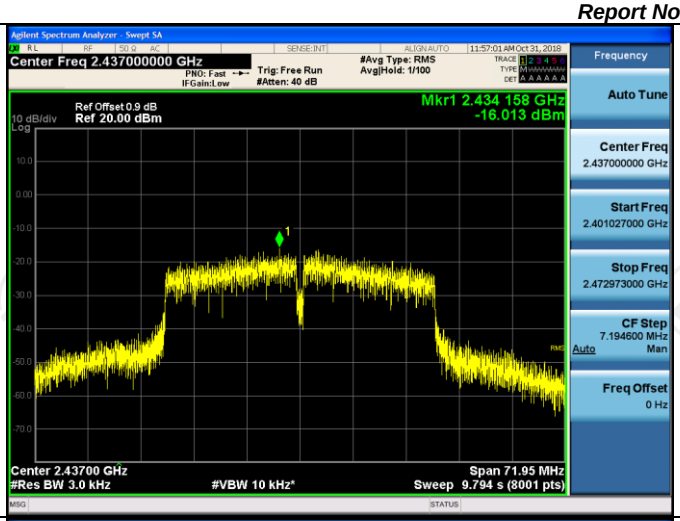
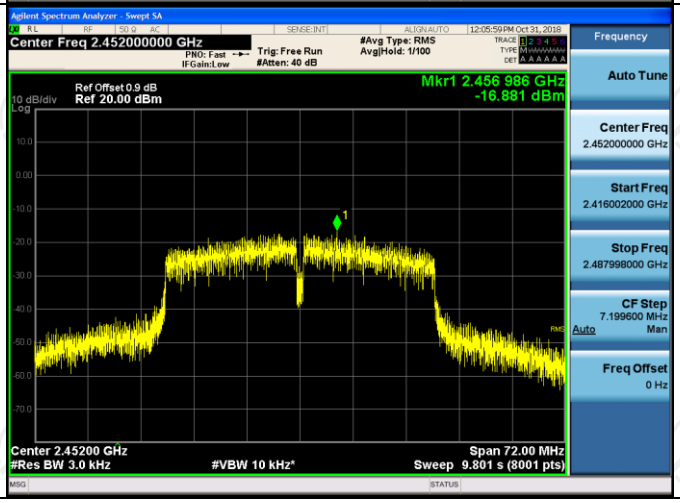
Test Graph

Graphs			
11B/LCH			

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

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

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

11N40SISO/MCH			
11N40SISO/HCH			

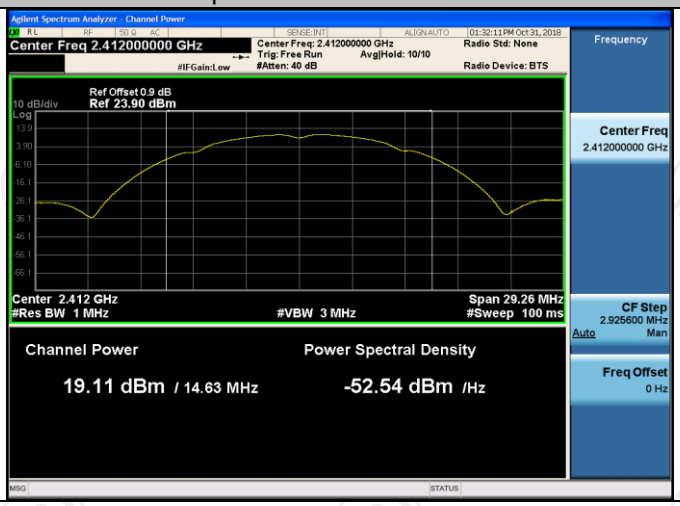
Antenna 1

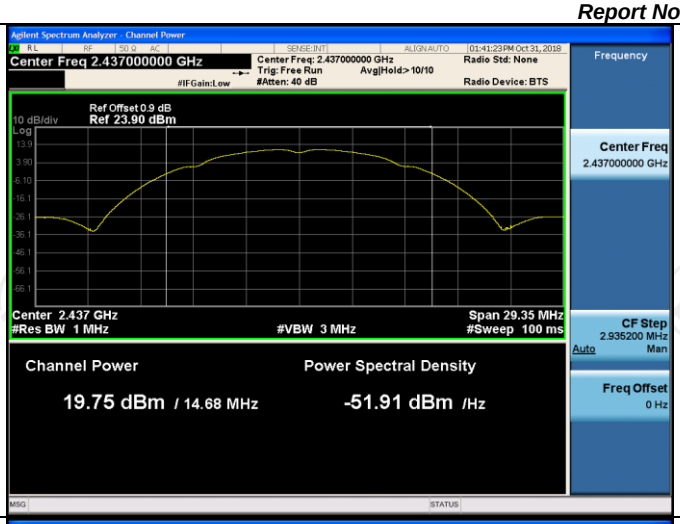
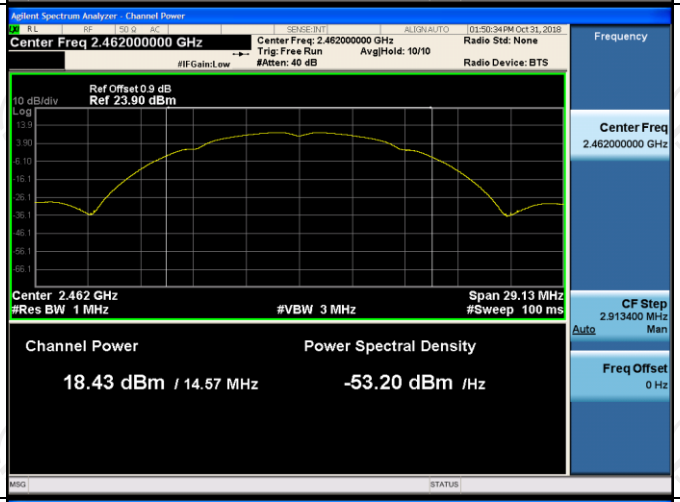
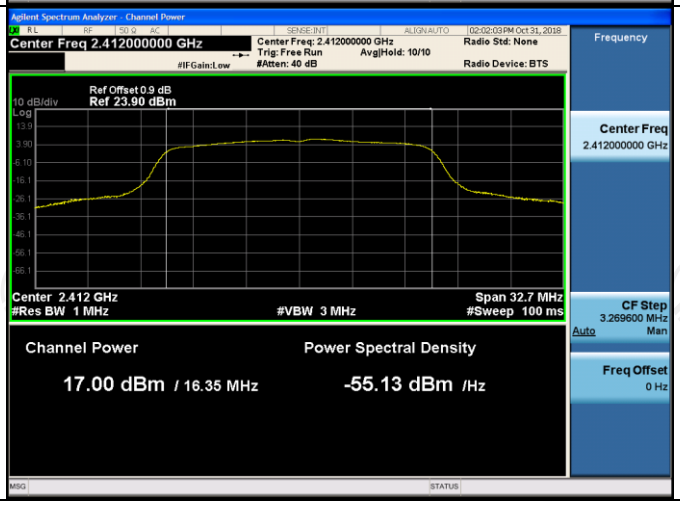
Conducted Average Output Power

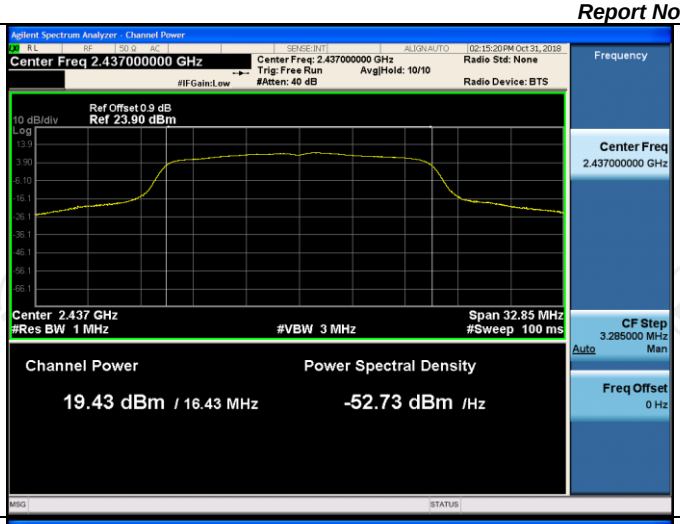
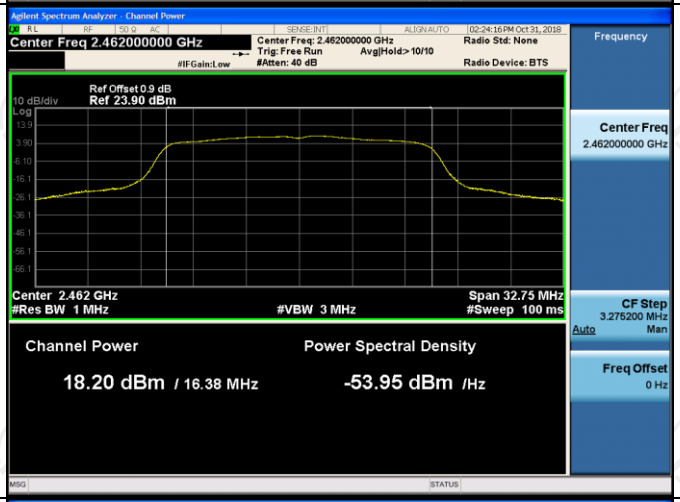
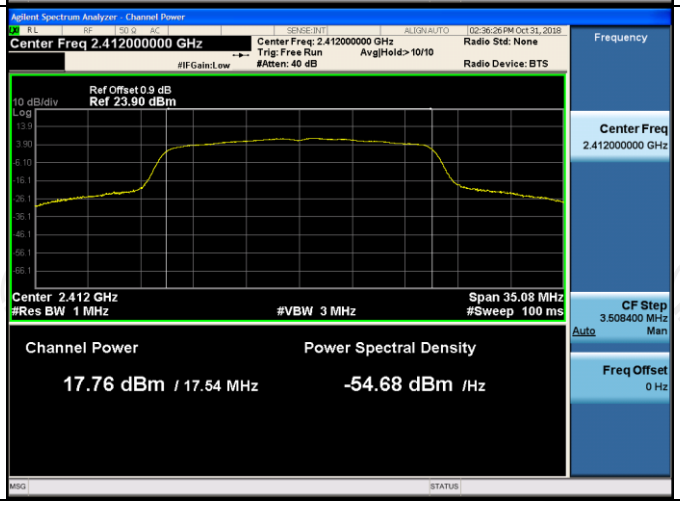
Result Table

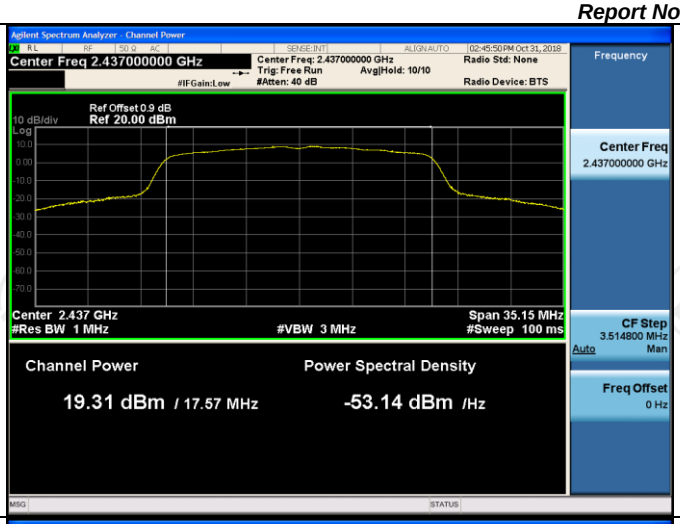
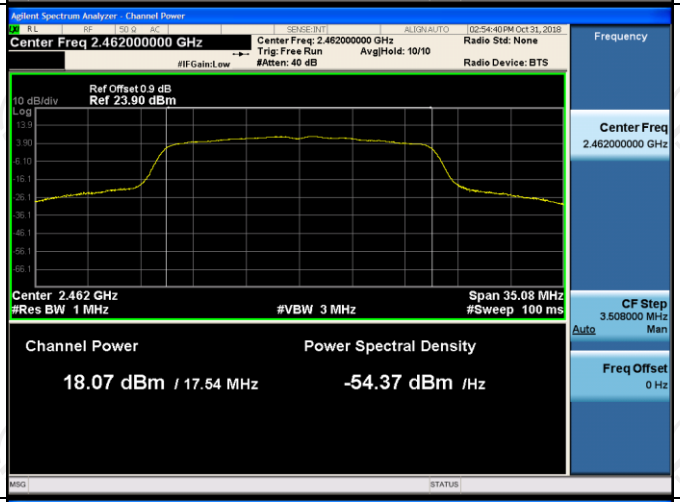
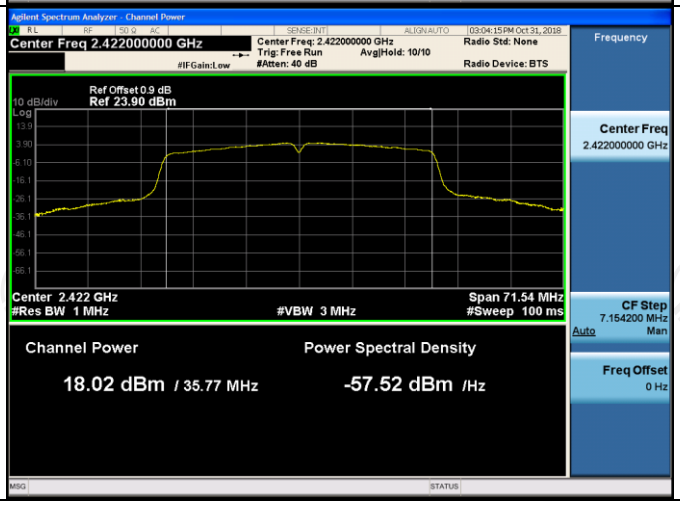
Mode	Channel	Meas.Level [dBm]	Verdict
11B	LCH	19.11	PASS
11B	MCH	19.75	PASS
11B	HCH	18.43	PASS
11G	LCH	17.00	PASS
11G	MCH	19.43	PASS
11G	HCH	18.20	PASS
11N20SISO	LCH	17.76	PASS
11N20SISO	MCH	19.31	PASS
11N20SISO	HCH	18.07	PASS
11N40SISO	LCH	18.02	PASS
11N40SISO	MCH	19.09	PASS
11N40SISO	HCH	19.11	PASS

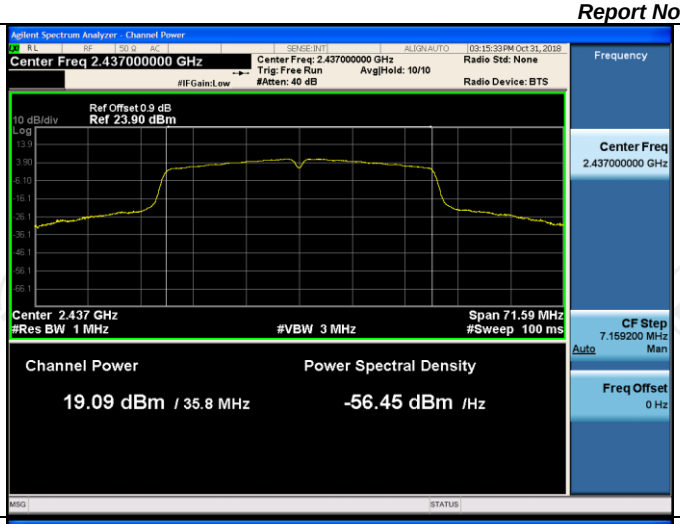
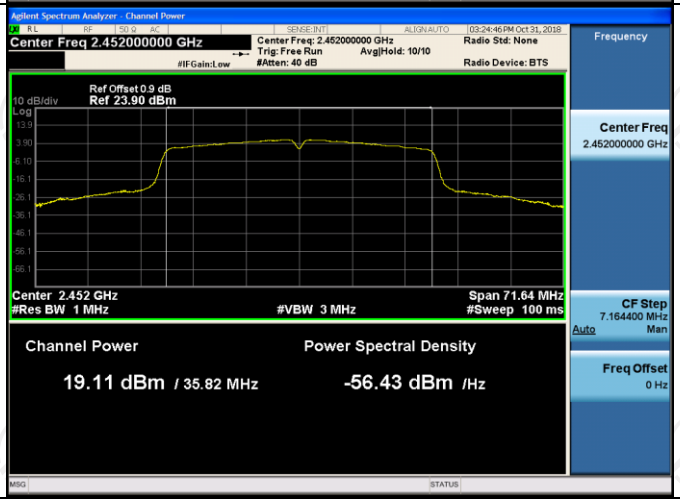
Test Graph

Graphs			
11B/LCH			

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

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

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

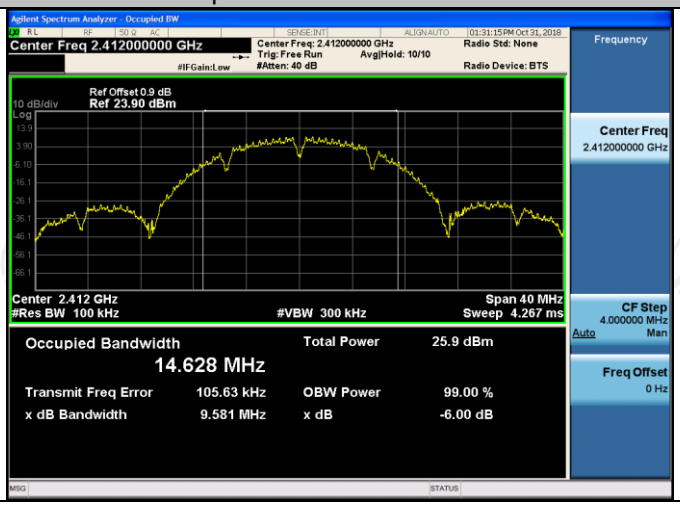
11N40SISO/MCH			
11N40SISO/HCH			

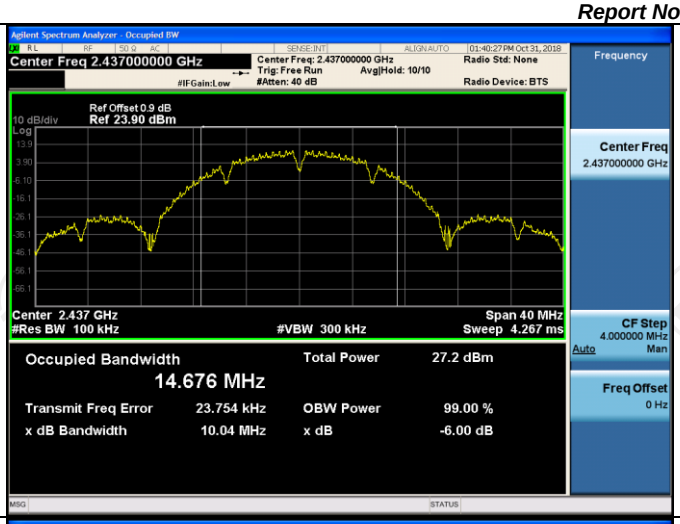
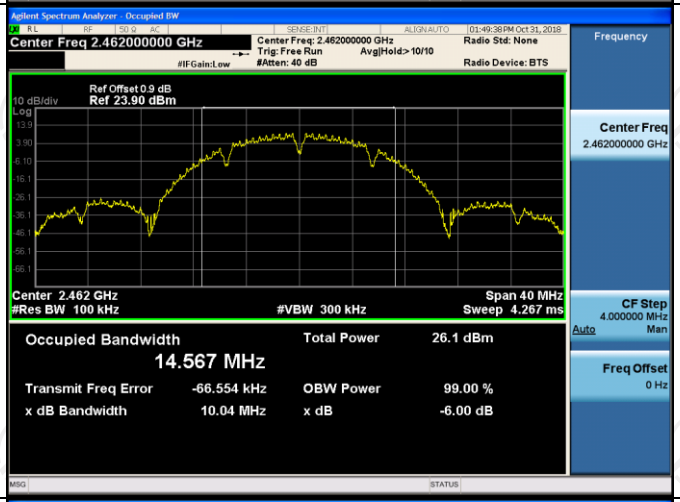
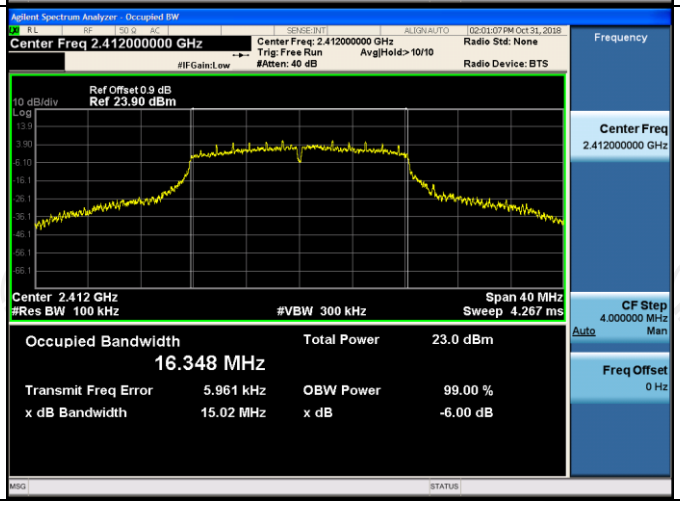
6dB Occupied Bandwidth

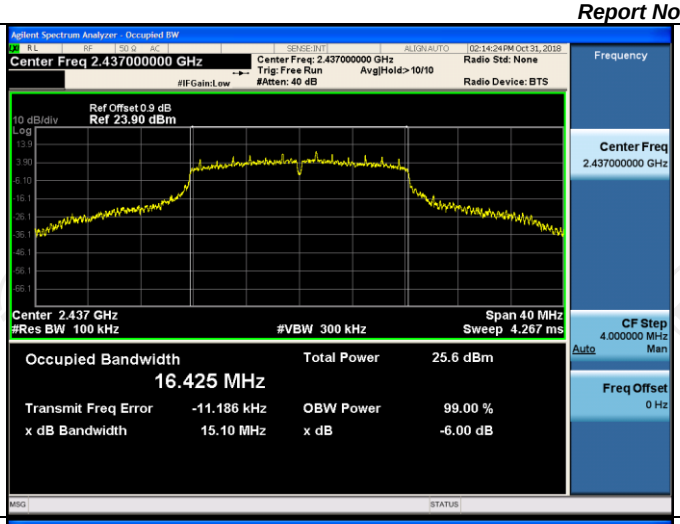
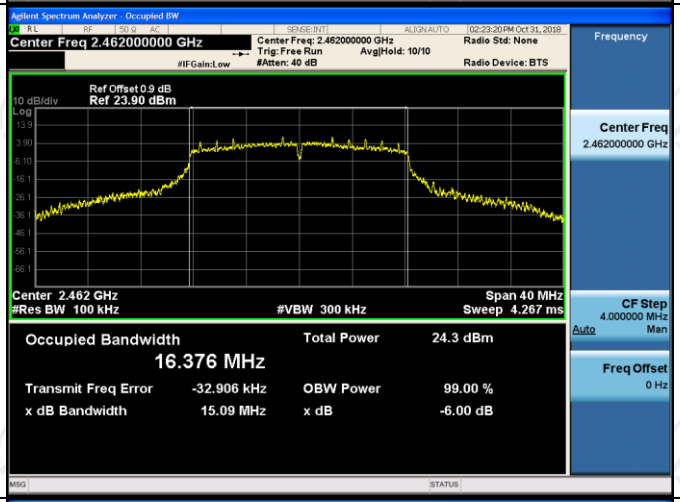
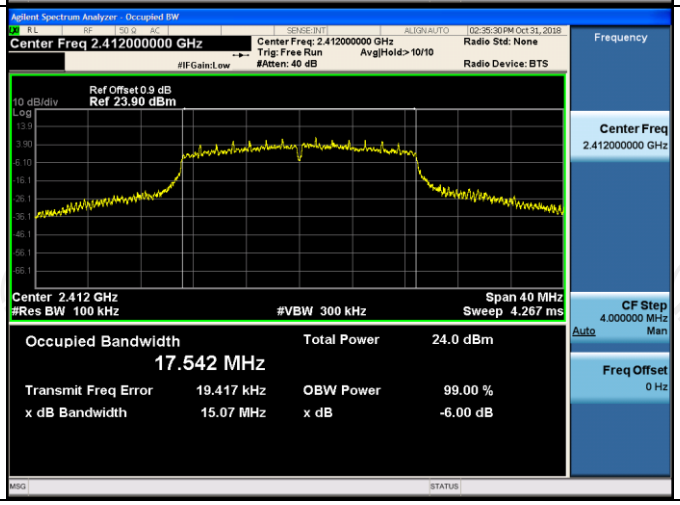
Result Table

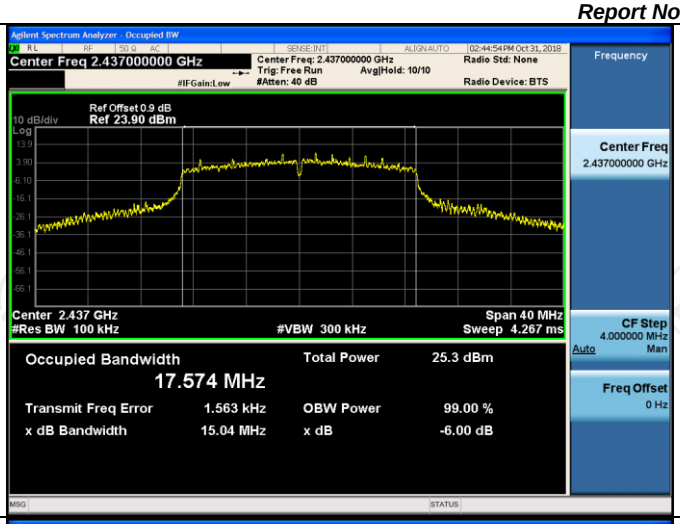
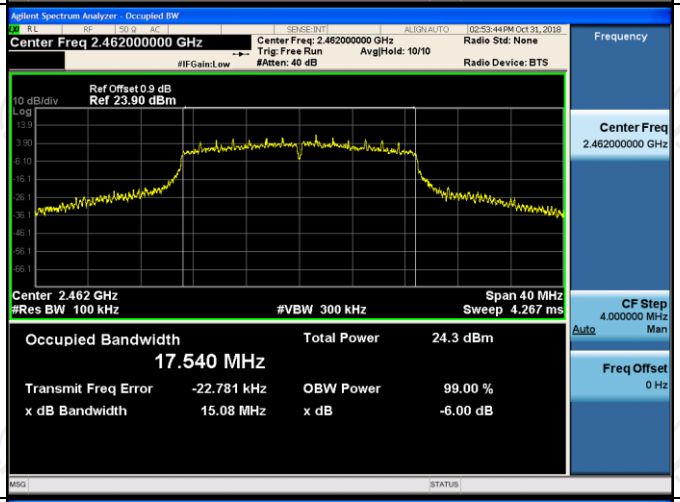
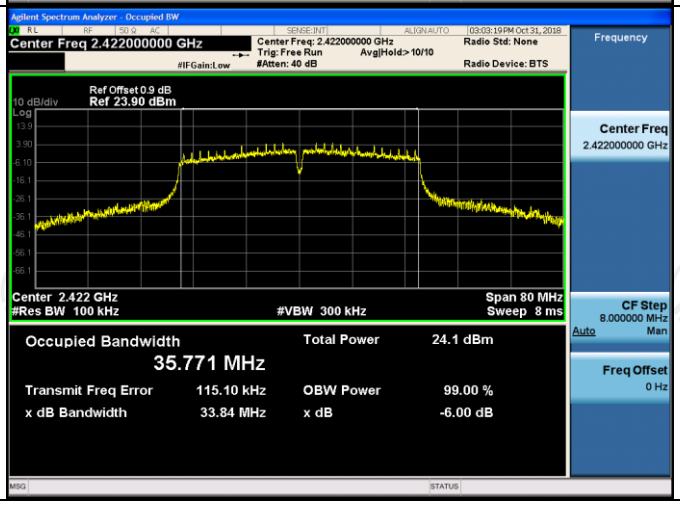
Mode	Channel	6dB Bandwidth [MHz]	99% OBW [MHz]	Verdict
11B	LCH	9.581	14.628	PASS
11B	MCH	10.04	14.676	PASS
11B	HCH	10.04	14.567	PASS
11G	LCH	15.02	16.348	PASS
11G	MCH	15.10	16.425	PASS
11G	HCH	15.09	16.376	PASS
11N20SISO	LCH	15.07	17.542	PASS
11N20SISO	MCH	15.04	17.574	PASS
11N20SISO	HCH	15.08	17.540	PASS
11N40SISO	LCH	33.84	35.771	PASS
11N40SISO	MCH	33.81	35.796	PASS
11N40SISO	HCH	33.76	35.822	PASS

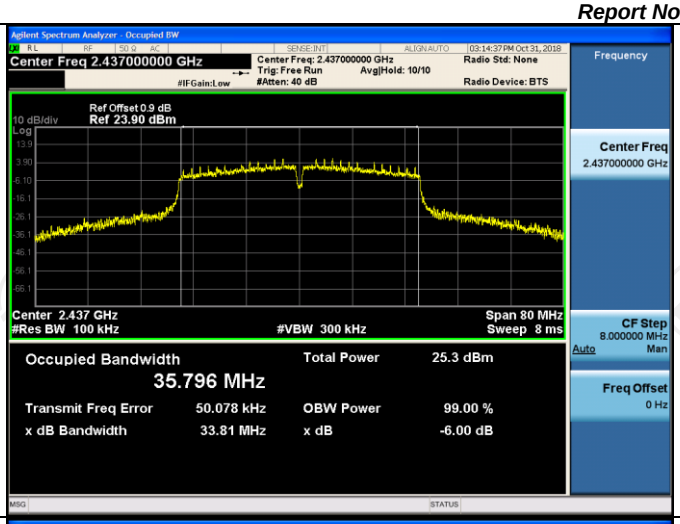
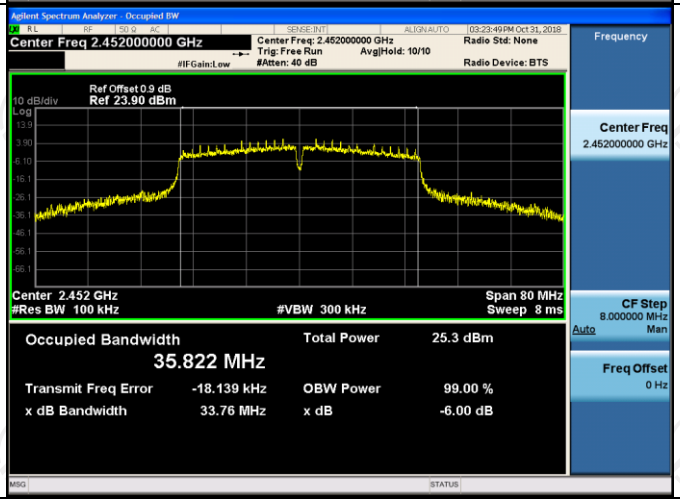
Test Graph

Graphs			
11B/LCH			

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

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

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

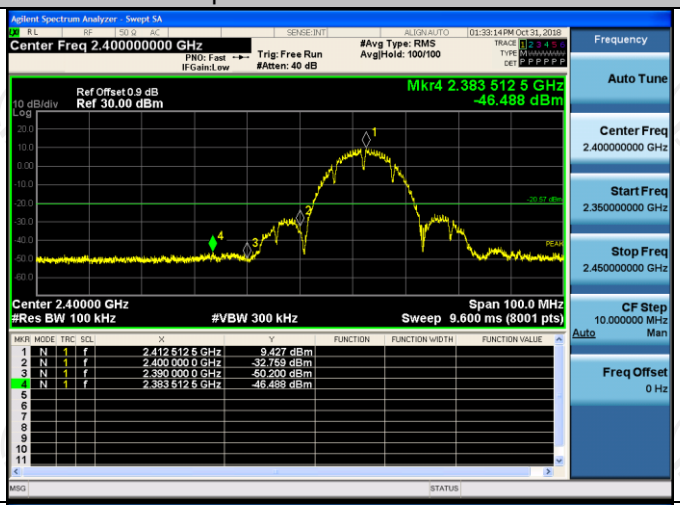
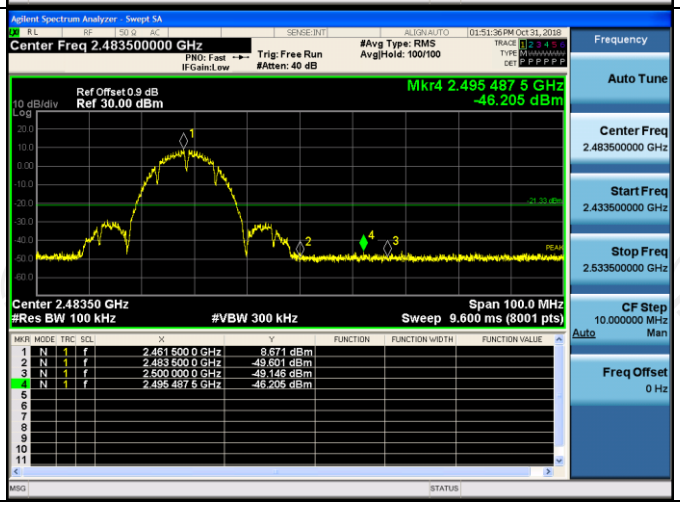
11N40SISO/MCH			
11N40SISO/HCH			

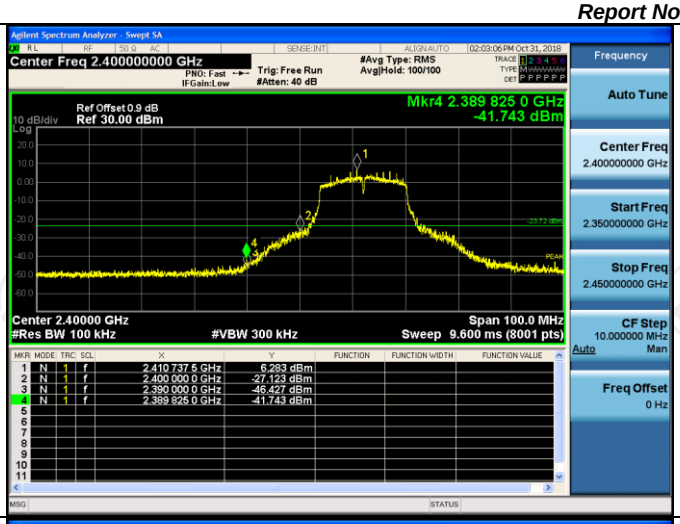
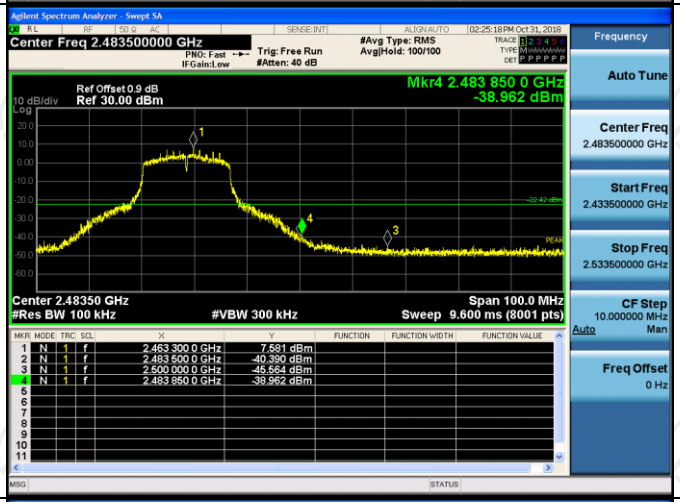
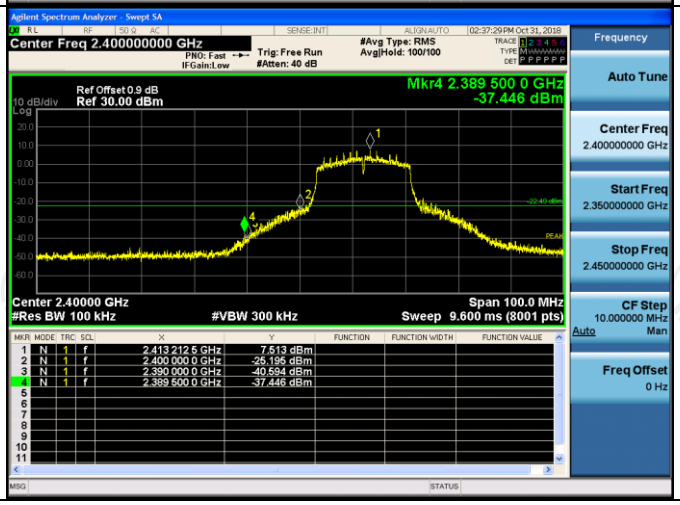
Band-edge for RF Conducted Emissions

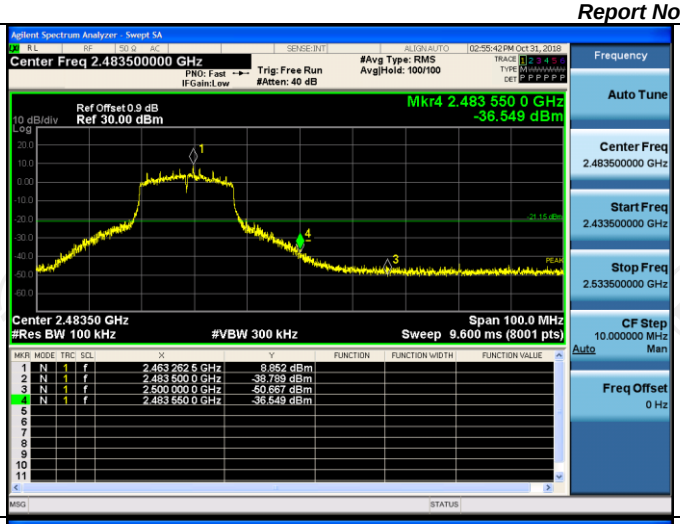
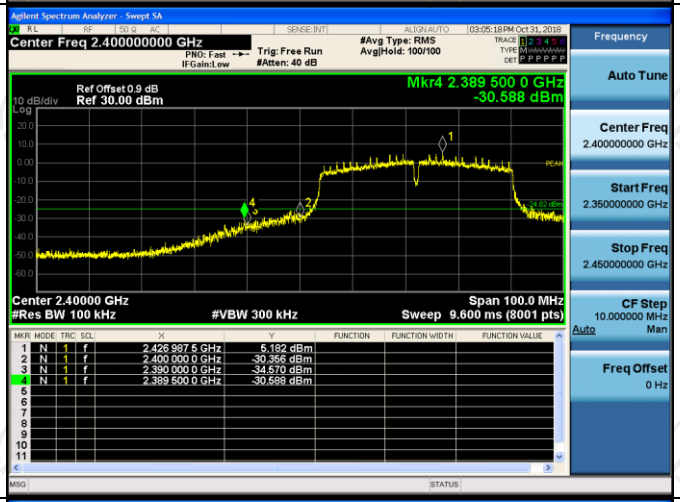
Result Table

Mode	Channel	Carrier Power [dBm]	Max.Spurious Level [dBm]	Limit [dBm]	Verdict
11B	LCH	9.427	-46.488	-20.57	PASS
11B	HCH	8.671	-46.205	-21.33	PASS
11G	LCH	6.283	-41.743	-23.72	PASS
11G	HCH	7.581	-38.962	-22.42	PASS
11N20SISO	LCH	7.513	-37.446	-22.49	PASS
11N20SISO	HCH	8.852	-36.549	-21.15	PASS
11N40SISO	LCH	5.182	-30.588	-24.82	PASS
11N40SISO	HCH	6.357	-28.830	-23.64	PASS

Test Graph

Graphs			
11B/LCH			
11B/HCH			

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

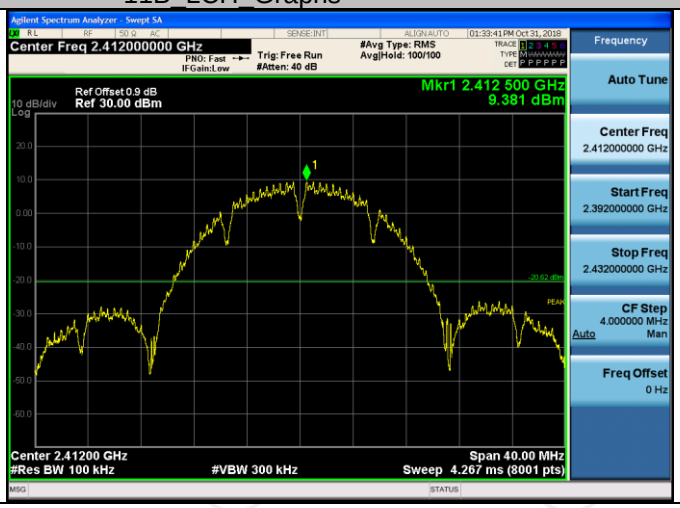
11N20SISO/HCH			
11N40SISO/LCH			
11N40SISO/HCH			

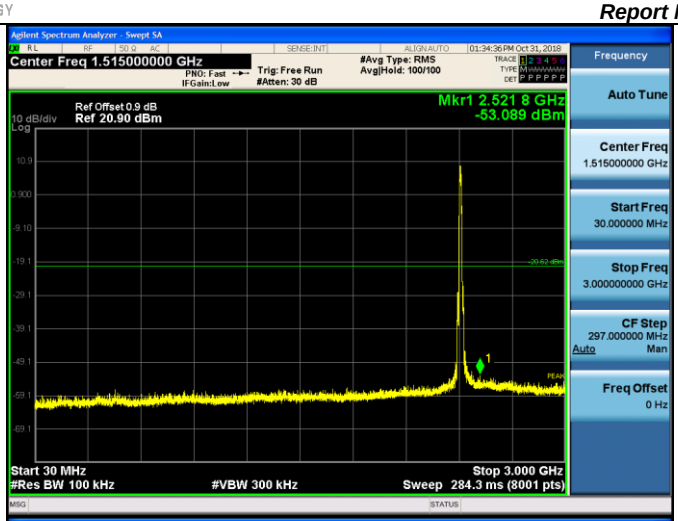
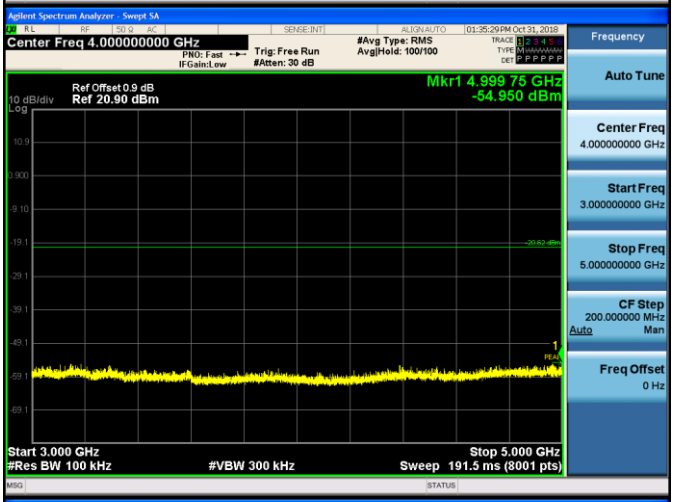
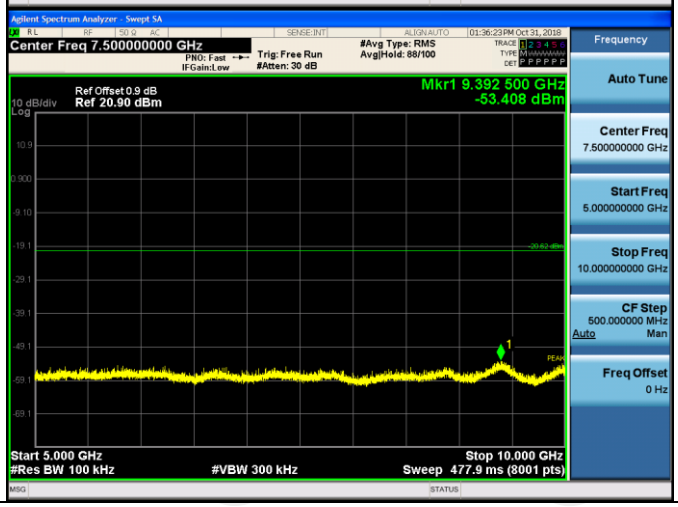
RF Conducted Spurious Emissions

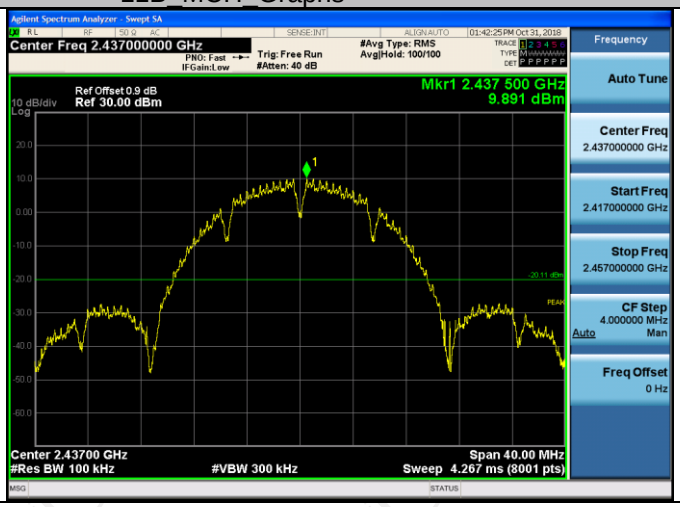
Result Table

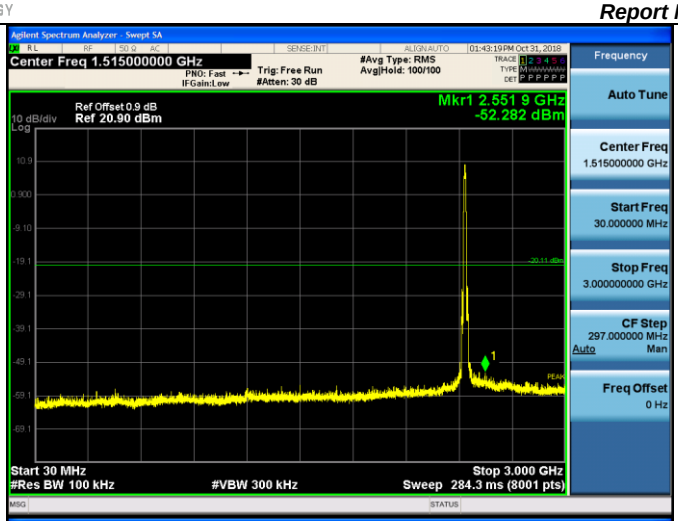
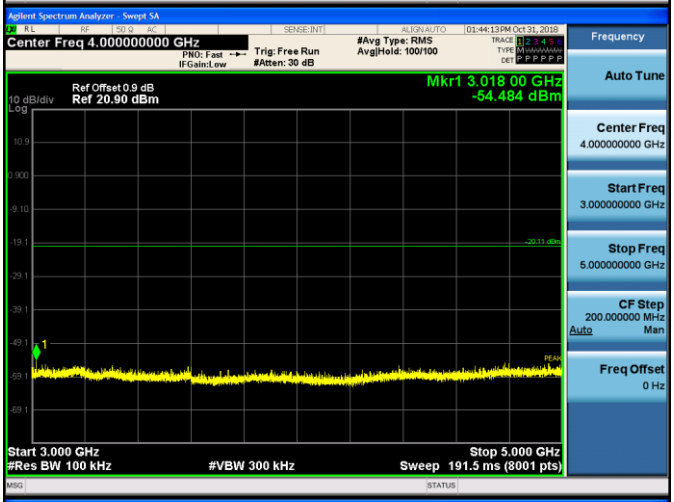
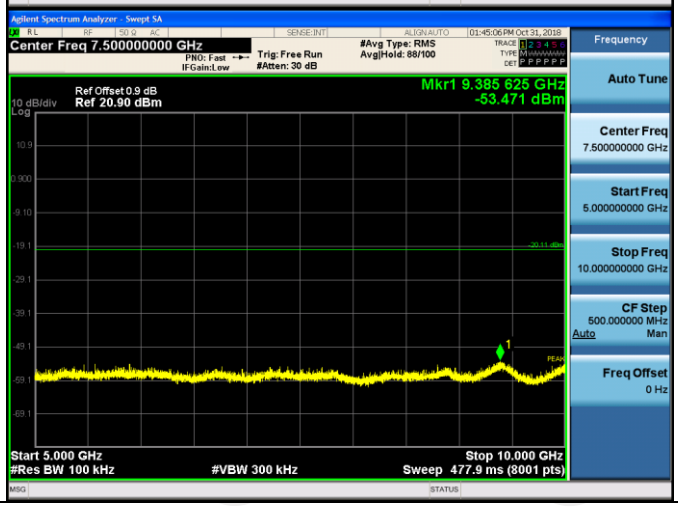
Mode	Channel	Pref [dBm]	Puw [dBm]	Verdict
11B	LCH	9.381	<Limit	PASS
11B	MCH	9.891	<Limit	PASS
11B	HCH	8.603	<Limit	PASS
11G	LCH	7.430	<Limit	PASS
11G	MCH	9.643	<Limit	PASS
11G	HCH	8.256	<Limit	PASS
11N20SISO	LCH	8.173	<Limit	PASS
11N20SISO	MCH	10.006	<Limit	PASS
11N20SISO	HCH	8.745	<Limit	PASS
11N40SISO	LCH	5.269	<Limit	PASS
11N40SISO	MCH	6.233	<Limit	PASS
11N40SISO	HCH	6.353	<Limit	PASS

Test Graph

11B_LCH_Graphs			
Pref/11B/LCH			

Puw/11B/LCH		  	

11B_MCH_Graphs	
Pref/11B/MCH	

Puw/11B/MCH		  	

11B_HCH_Graphs	
Pref/11B/HCH