

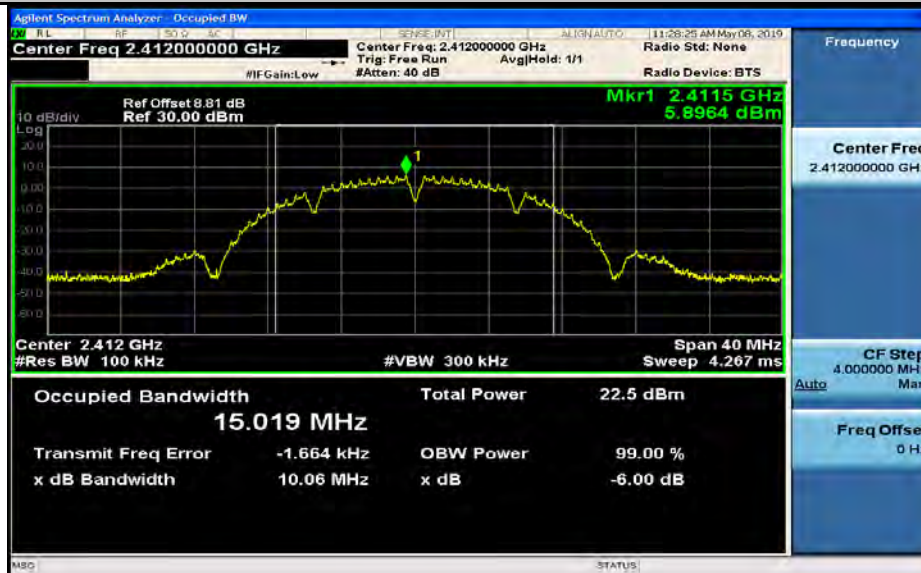


## Appendix A for SHEM190501290801

## 1.6dB Bandwidth

Test Mode	Test	EBW[MHz]		Limit	Verdict
		Ant1	Ant2		
11B	2412	10.06	10.07	0.5	PASS
11B	2437	10.06	10.07	0.5	PASS
11B	2462	10.06	10.07	0.5	PASS
11G	2412	16.58	16.59	0.5	PASS
11G	2437	16.59	16.58	0.5	PASS
11G	2462	16.57	16.59	0.5	PASS
11N20SISO	2412	16.58	16.59	0.5	PASS
11N20SISO	2437	16.58	16.58	0.5	PASS
11N20SISO	2462	16.58	16.58	0.5	PASS
11N40SISO	2422	36.50	36.50	0.5	PASS
11N40SISO	2437	36.48	36.49	0.5	PASS
11N40SISO	2452	36.45	36.49	0.5	PASS

6dB Bandwidth\_11B\_2412\_Ant1



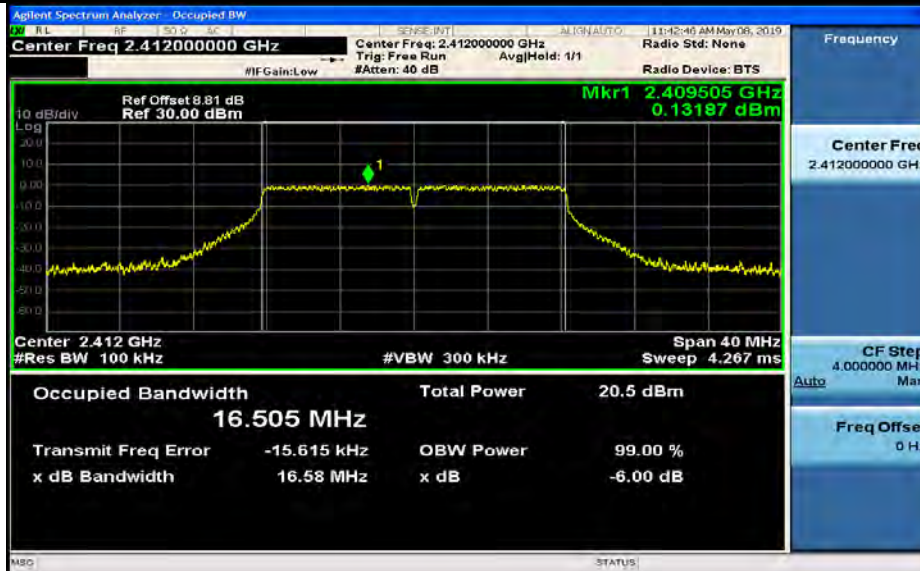
6dB Bandwidth\_11B\_2437\_Ant1



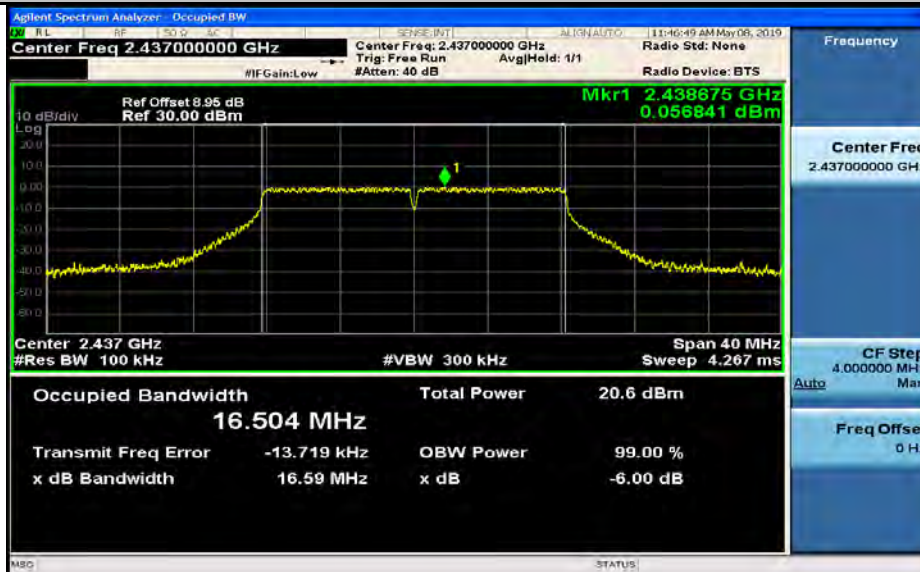
6dB Bandwidth\_11B\_2462\_Ant1



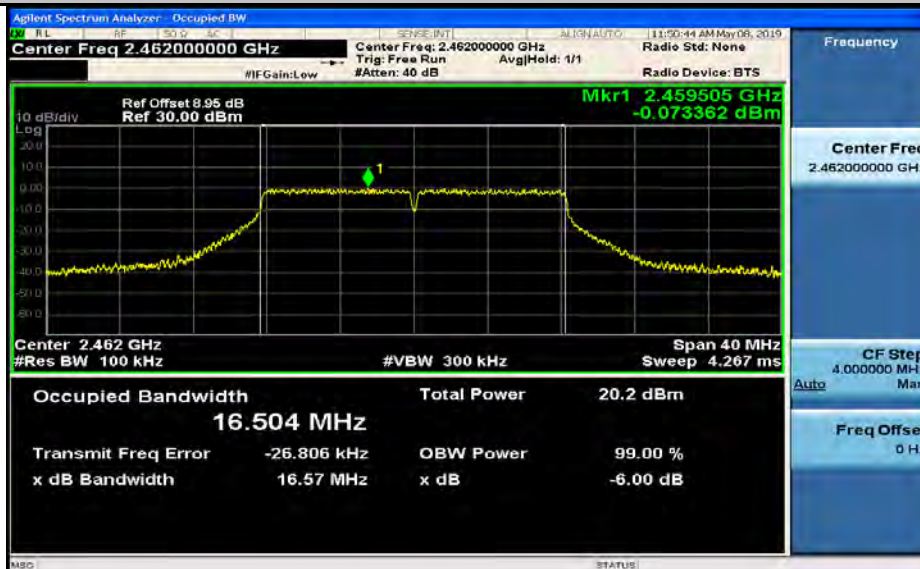
6dB Bandwidth\_11G\_2412\_Ant1



6dB Bandwidth\_11G\_2437\_Ant1

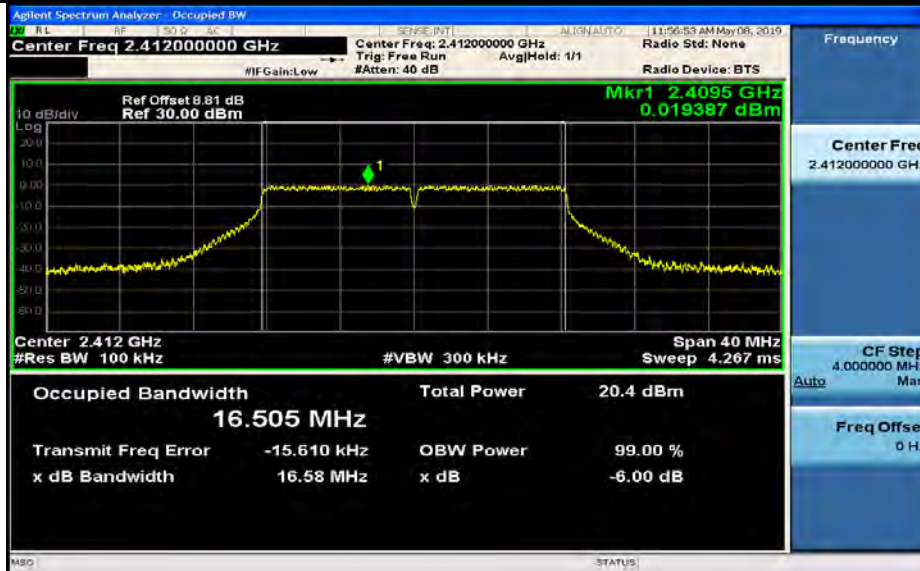


6dB Bandwidth\_11G\_2462\_Ant1

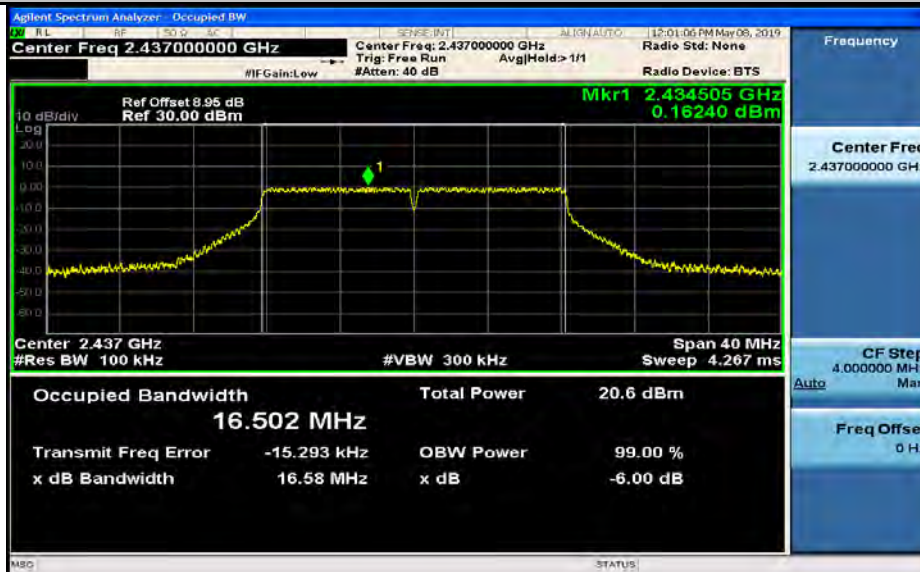




6dB Bandwidth\_11N20SISO\_2412\_Ant1



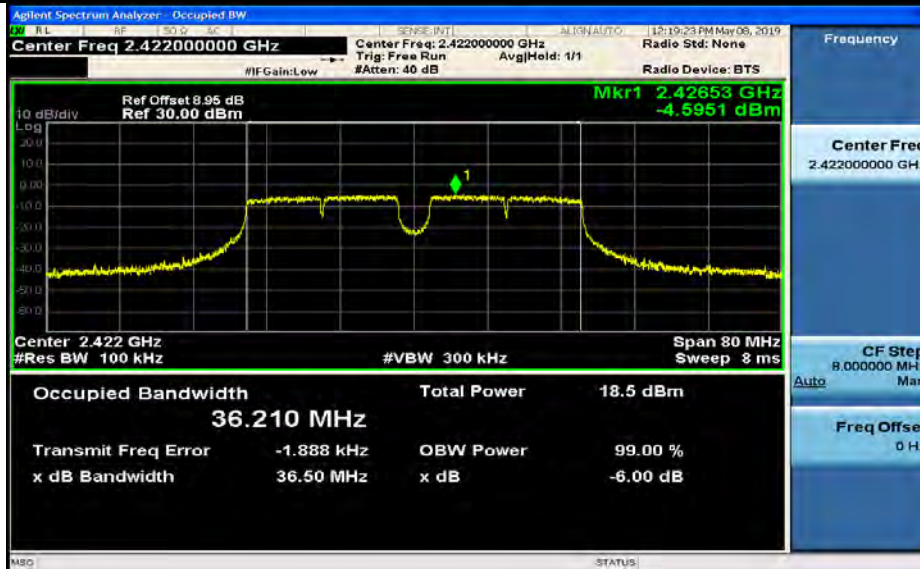
6dB Bandwidth\_11N20SISO\_2437\_Ant1



6dB Bandwidth\_11N20SISO\_2462\_Ant1



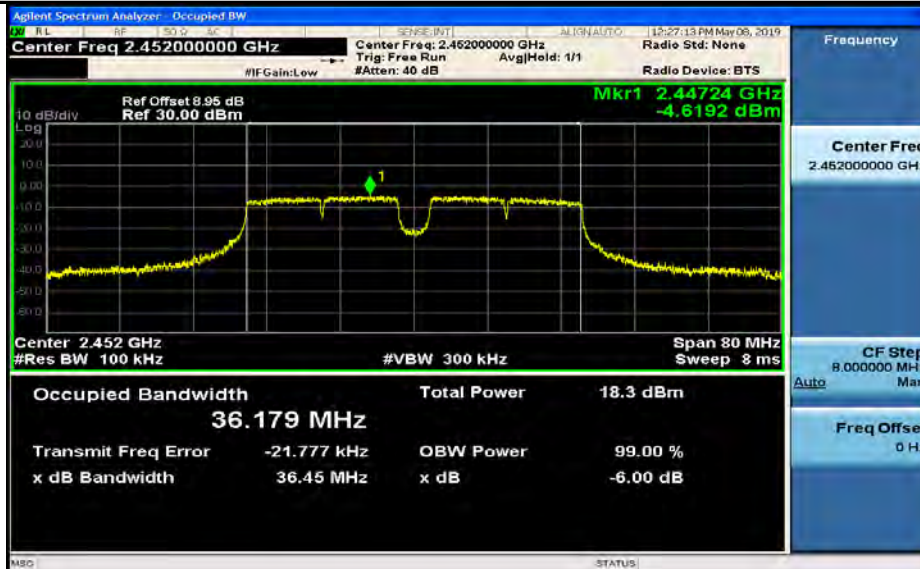
6dB Bandwidth\_11N40SISO\_2422\_Ant1



6dB Bandwidth\_11N40SISO\_2437\_Ant1



6dB Bandwidth\_11N40SISO\_2452\_Ant1





6dB Bandwidth\_11B\_2412\_Ant2



6dB Bandwidth\_11B\_2437\_Ant2



6dB Bandwidth\_11B\_2462\_Ant2



6dB Bandwidth\_11G\_2412\_Ant2

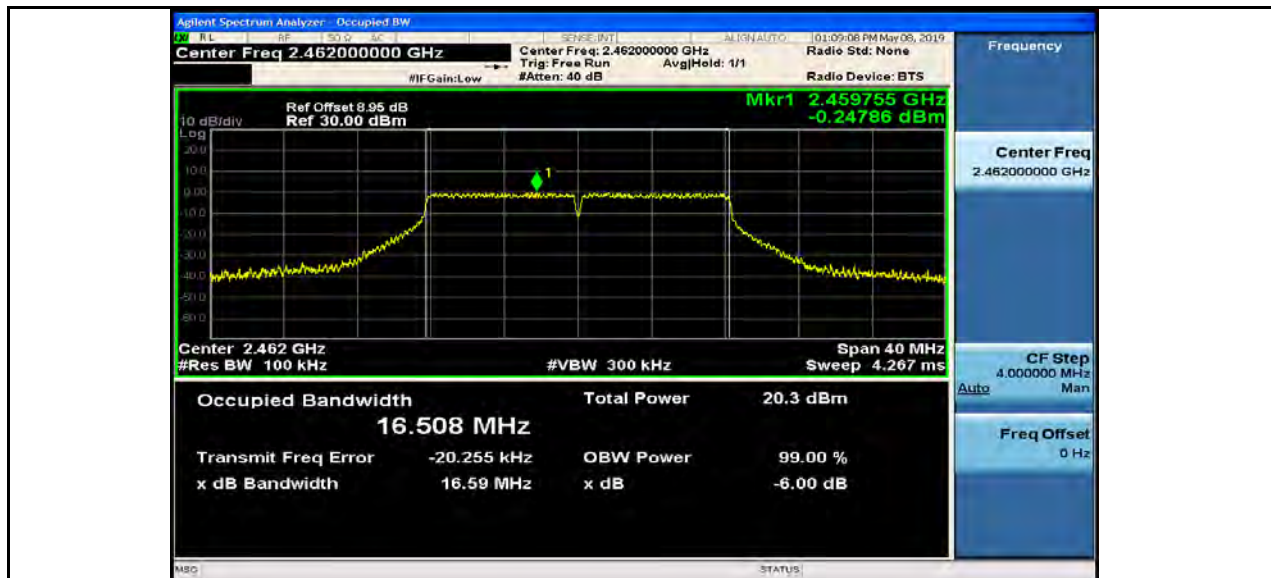


6dB Bandwidth\_11G\_2437\_Ant2

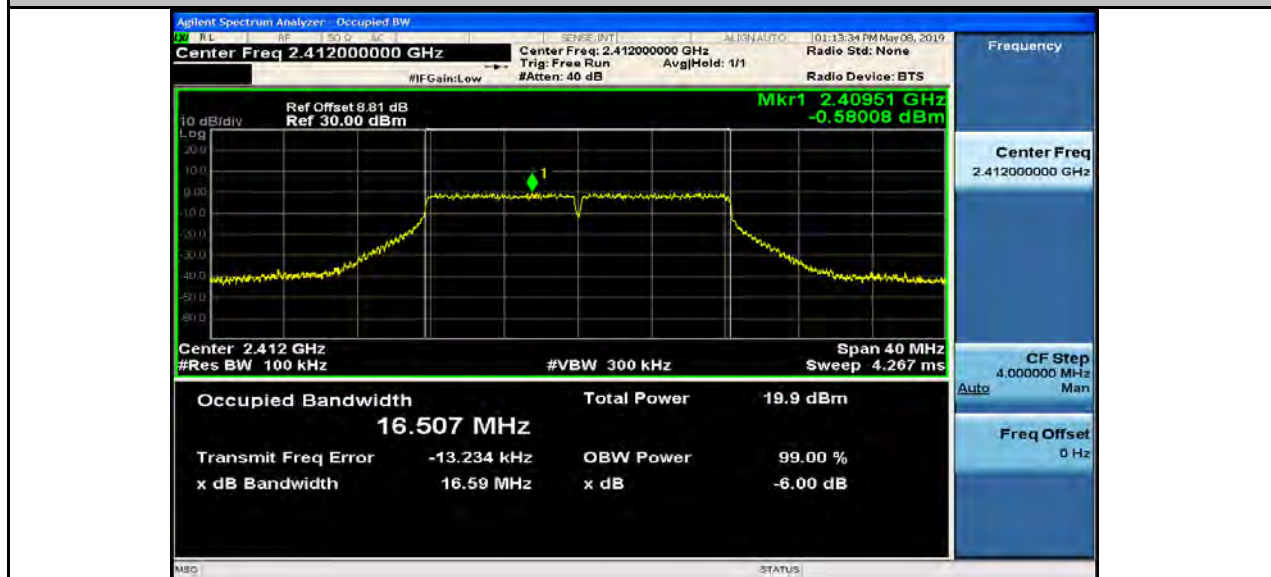


6dB Bandwidth\_11G\_2462\_Ant2

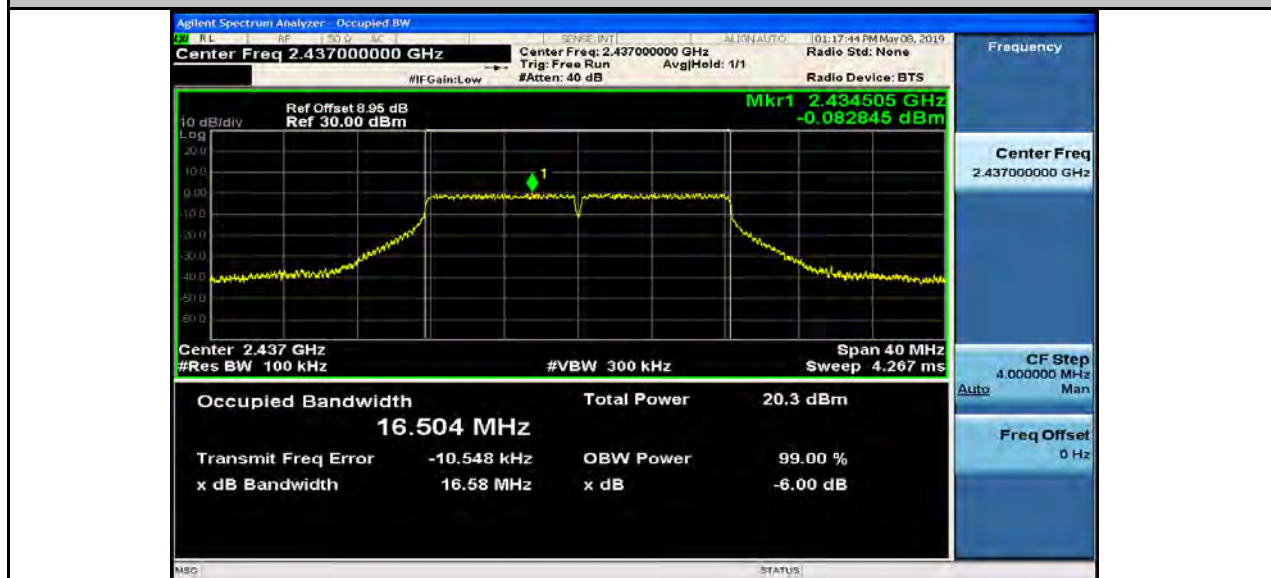




6dB Bandwidth\_11N20SISO\_2412\_Ant2

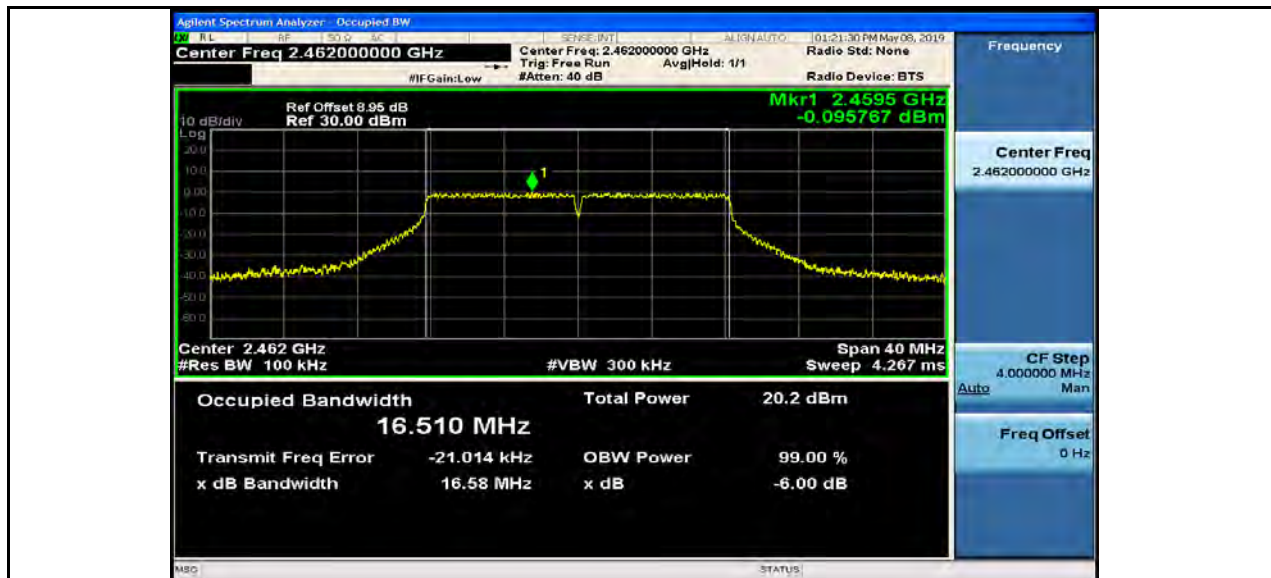


6dB Bandwidth\_11N20SISO\_2437\_Ant2

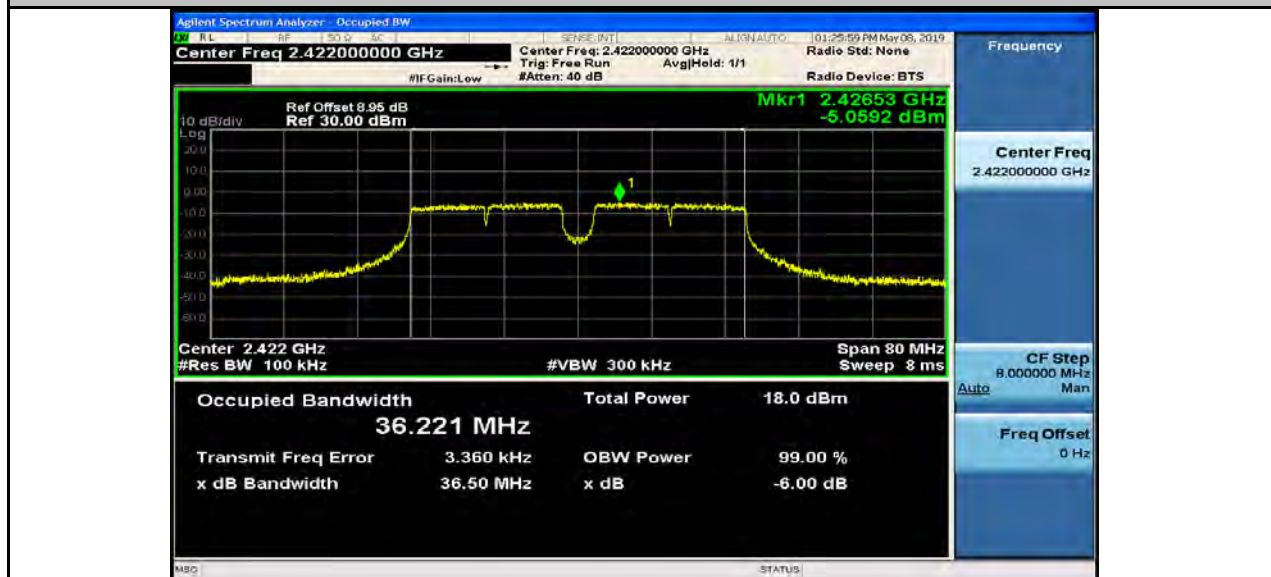


6dB Bandwidth\_11N20SISO\_2462\_Ant2

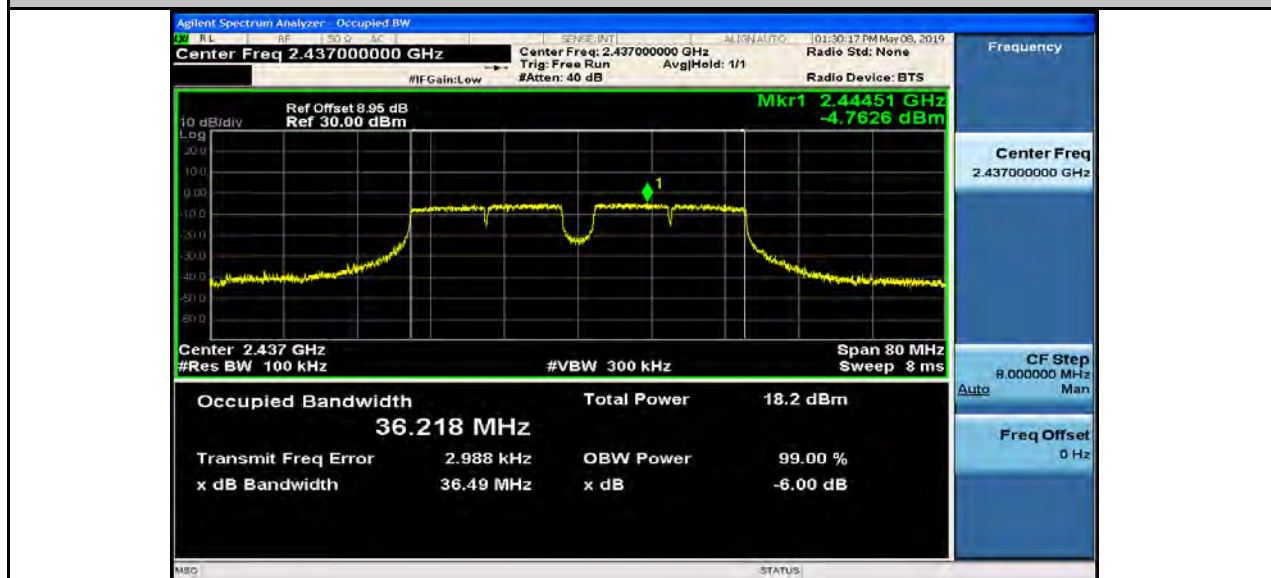




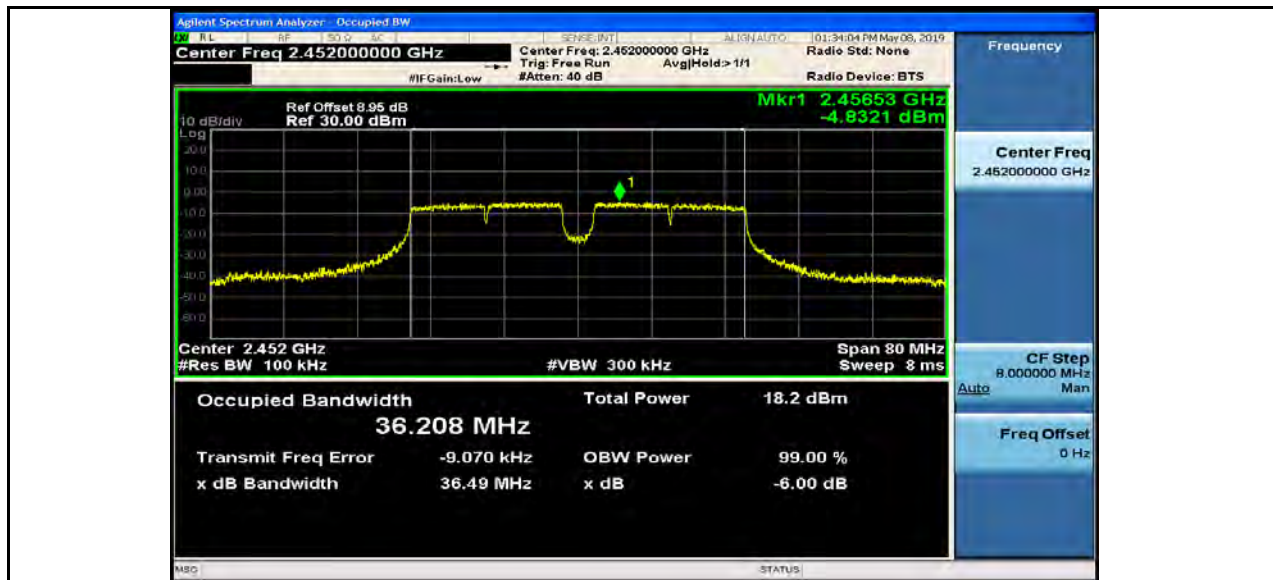
6dB Bandwidth\_11N40SISO\_2422\_Ant2



6dB Bandwidth\_11N40SISO\_2437\_Ant2



6dB Bandwidth\_11N40SISO\_2452\_Ant2

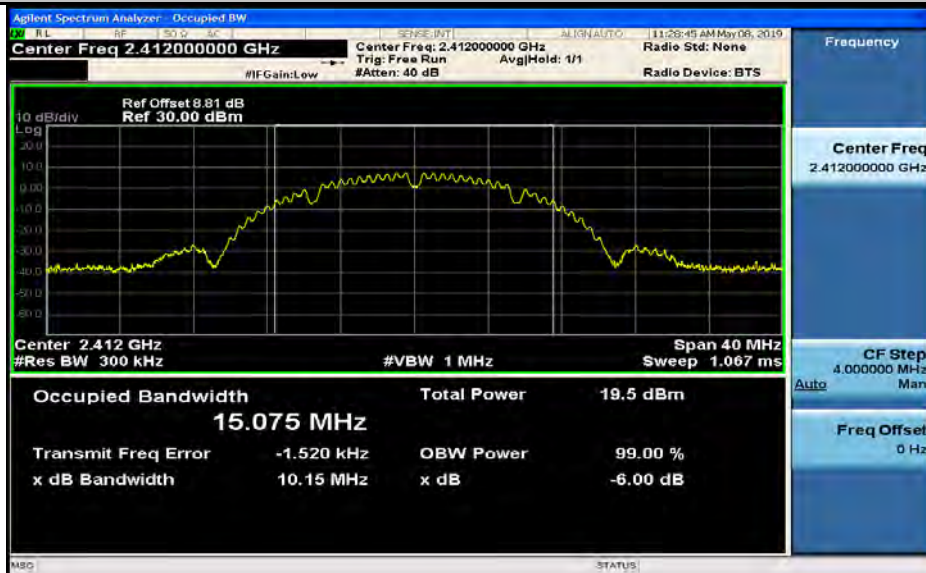


**2.Occupied Bandwidth**

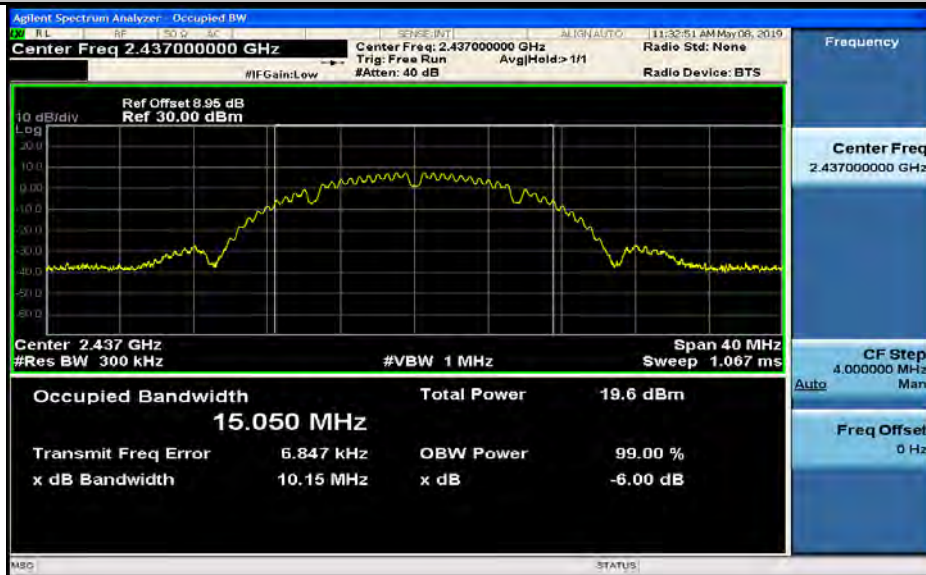
Test Mode	Test Channel	OBW[MHz]		Limit[MHz]	Verdict
		Ant1	Ant2		
11B	2412	15.08	15.04	---	PASS
11B	2437	15.05	15.07	---	PASS
11B	2462	15.06	15.07	---	PASS
11G	2412	16.95	16.96	---	PASS
11G	2437	16.93	16.95	---	PASS
11G	2462	16.95	16.95	---	PASS
11N20SISO	2412	16.94	16.95	---	PASS
11N20SISO	2437	16.94	16.92	---	PASS
11N20SISO	2462	16.97	16.95	---	PASS
11N40SISO	2422	37.14	37.21	---	PASS
11N40SISO	2437	37.02	37.21	---	PASS
11N40SISO	2452	37.06	37.17	---	PASS



Occupied Bandwidth\_11B\_2412\_Ant1



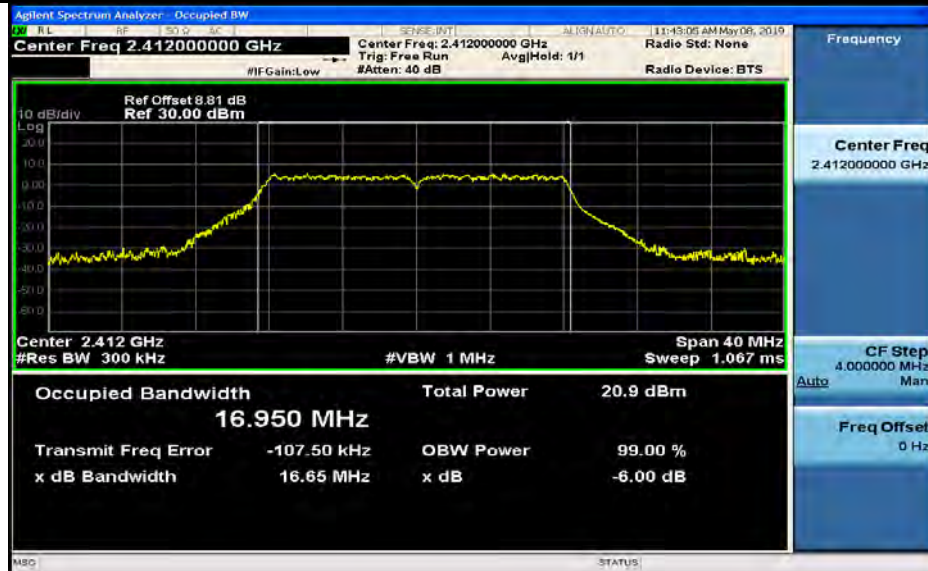
Occupied Bandwidth\_11B\_2437\_Ant1



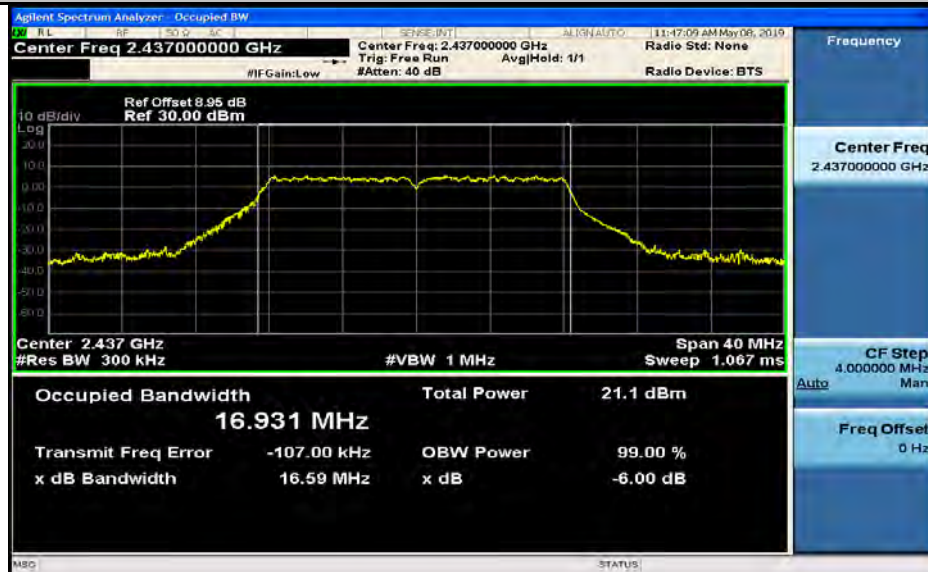
Occupied Bandwidth\_11B\_2462\_Ant1



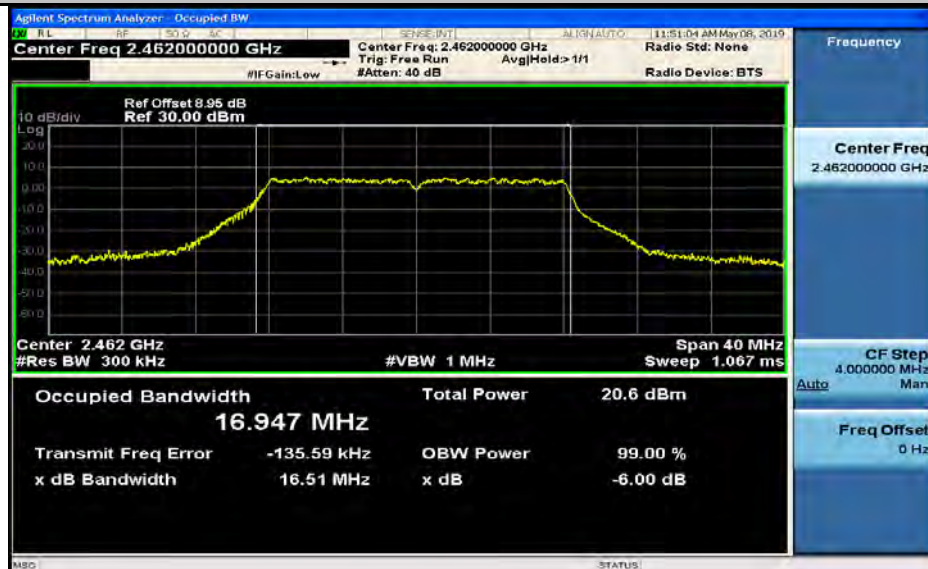
Occupied Bandwidth\_11G\_2412\_Ant1



Occupied Bandwidth\_11G\_2437\_Ant1

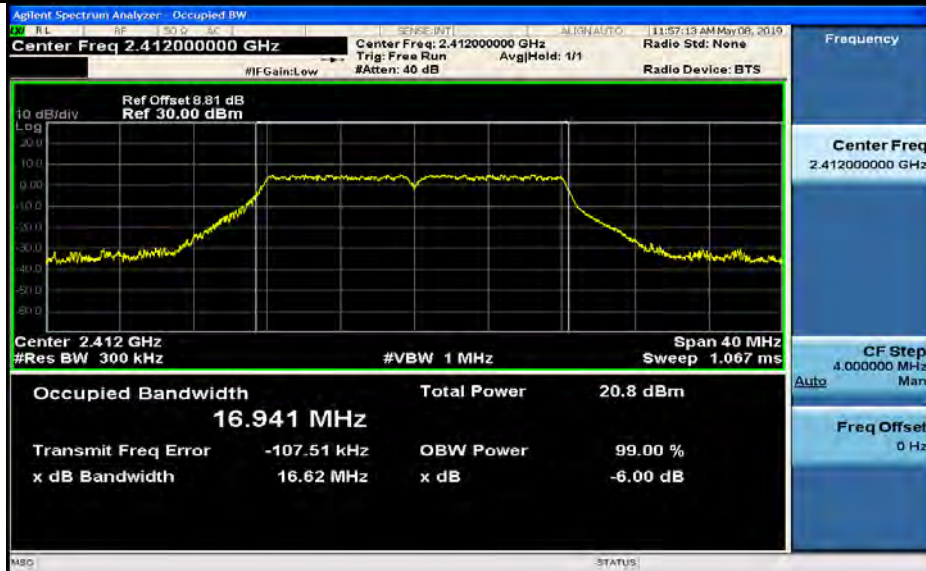


Occupied Bandwidth\_11G\_2462\_Ant1





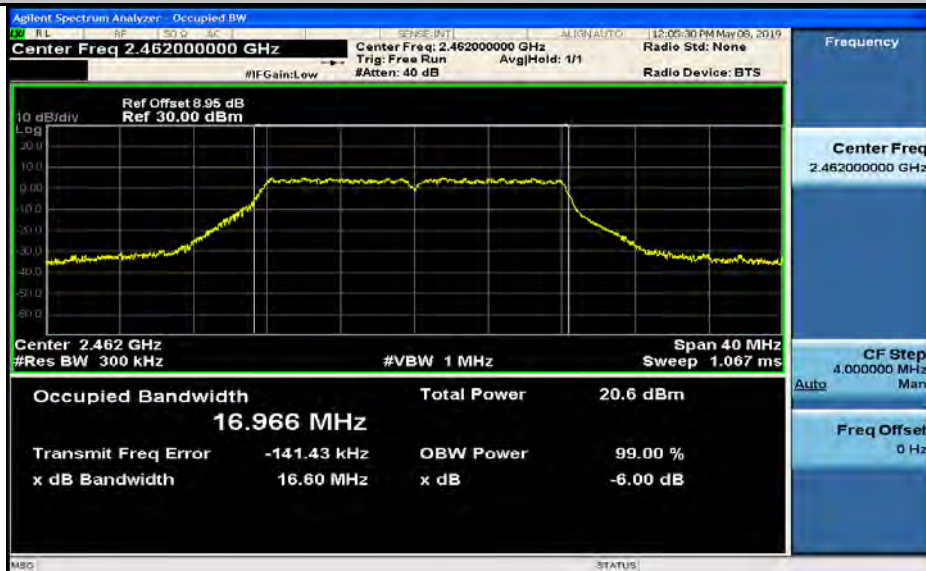
Occupied Bandwidth\_11N20SISO\_2412\_Ant1



Occupied Bandwidth\_11N20SISO\_2437\_Ant1



Occupied Bandwidth\_11N20SISO\_2462\_Ant1





Occupied Bandwidth\_11N40SISO\_2422\_Ant1



Occupied Bandwidth\_11N40SISO\_2437\_Ant1



Occupied Bandwidth\_11N40SISO\_2452\_Ant1



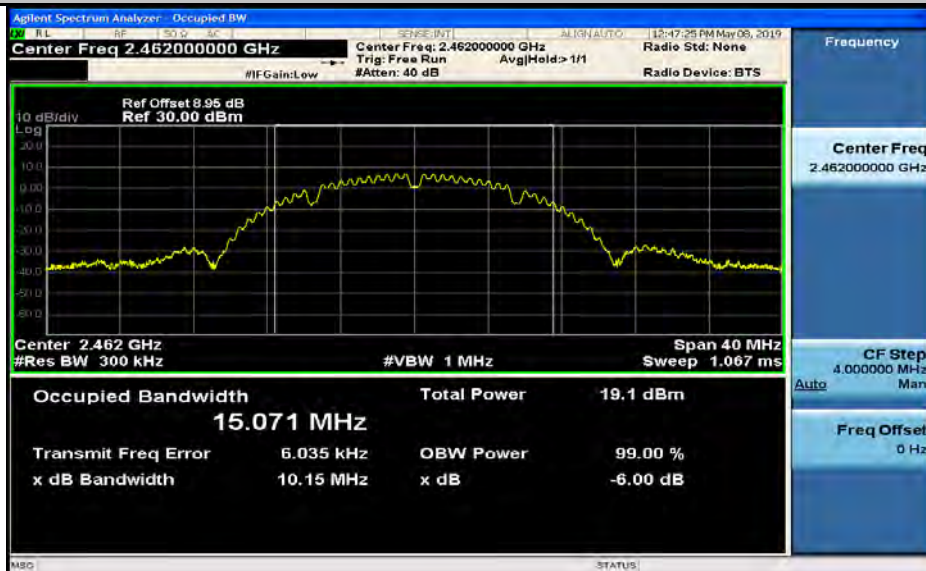
Occupied Bandwidth\_11B\_2412\_Ant2



Occupied Bandwidth\_11B\_2437\_Ant2

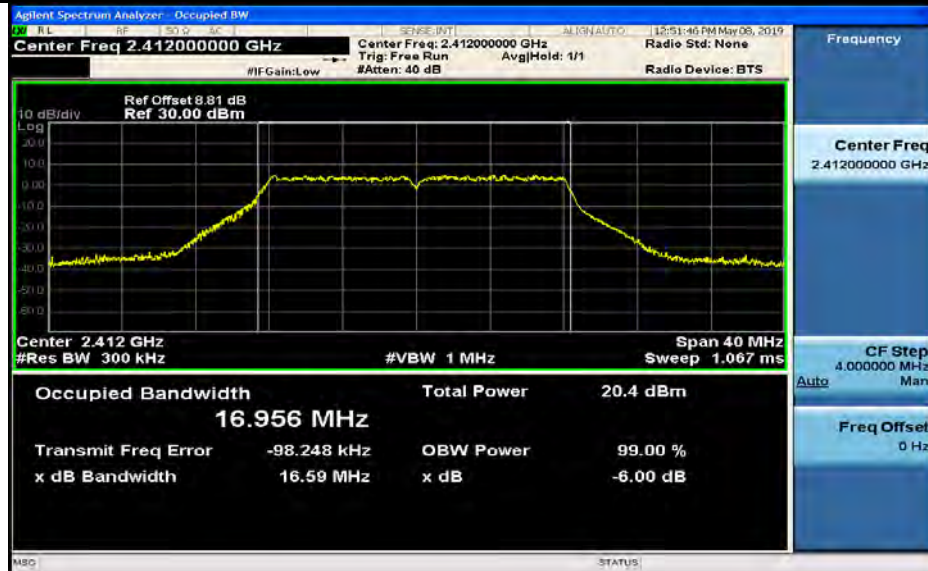


Occupied Bandwidth\_11B\_2462\_Ant2

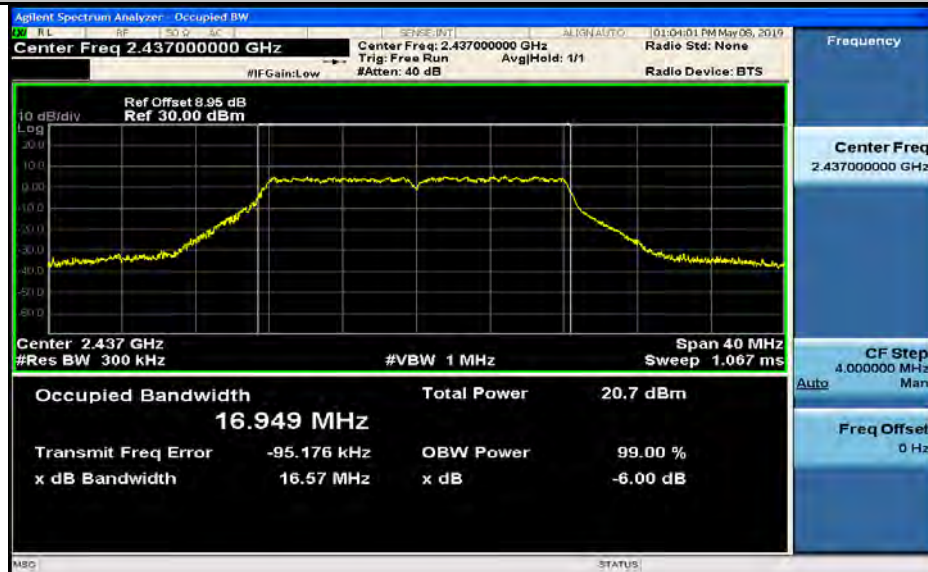




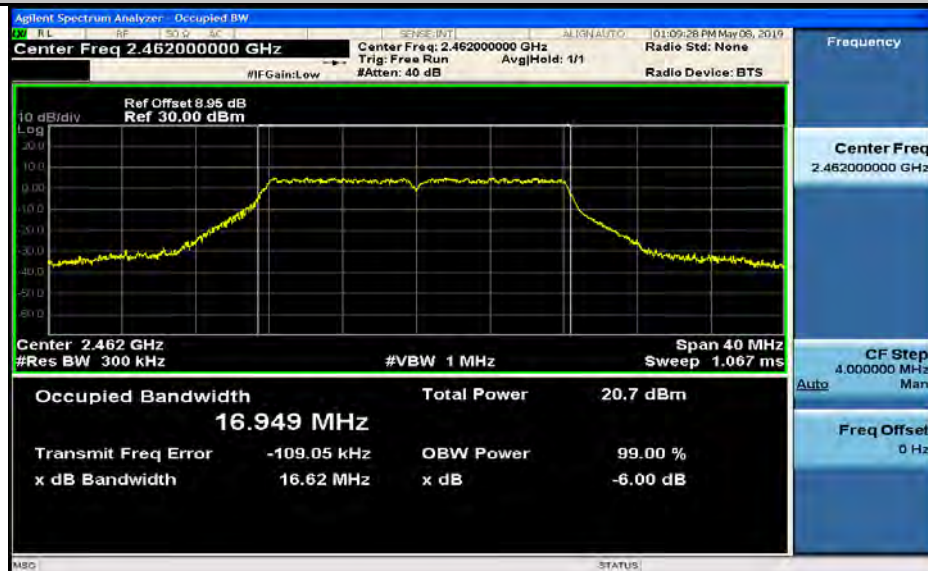
Occupied Bandwidth\_11G\_2412\_Ant2



Occupied Bandwidth\_11G\_2437\_Ant2

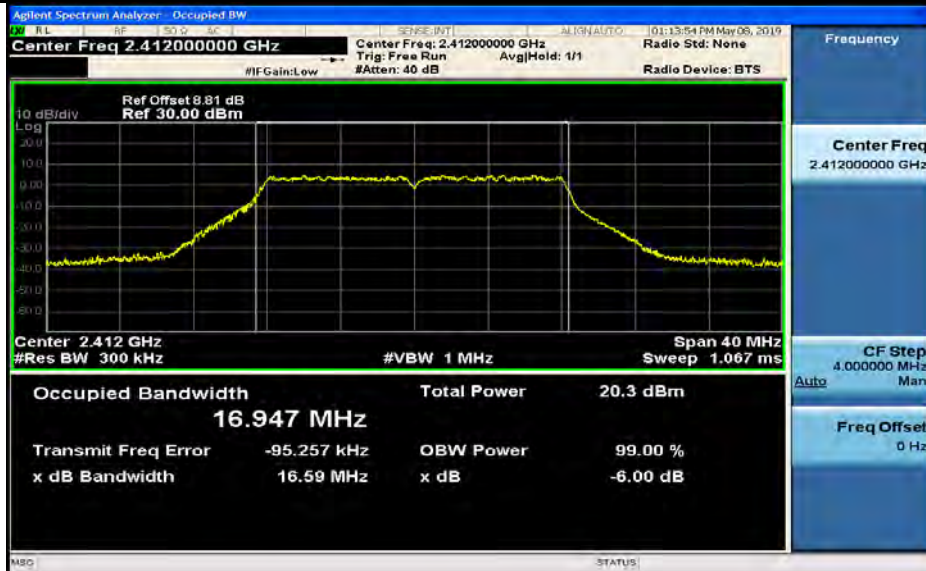


Occupied Bandwidth\_11G\_2462\_Ant2

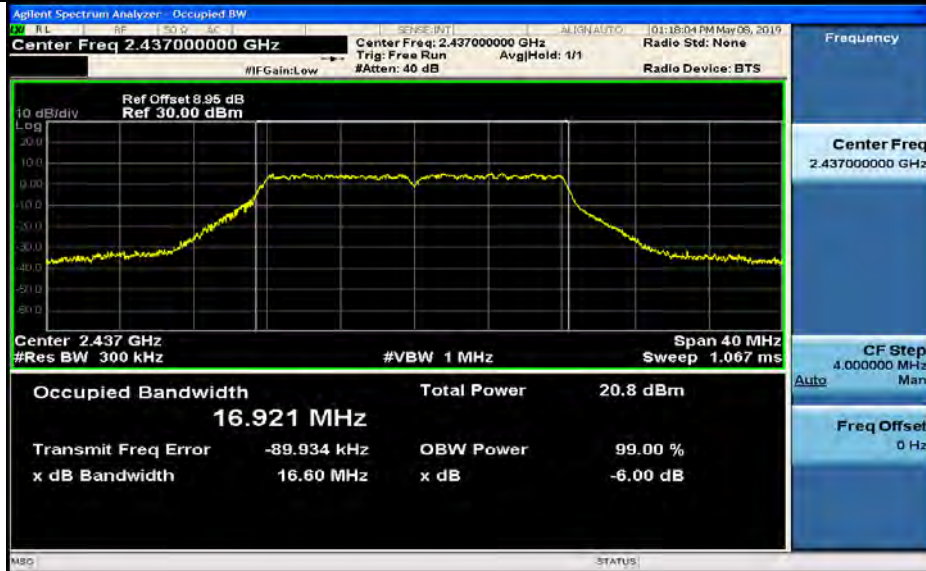




Occupied Bandwidth\_11N20SISO\_2412\_Ant2



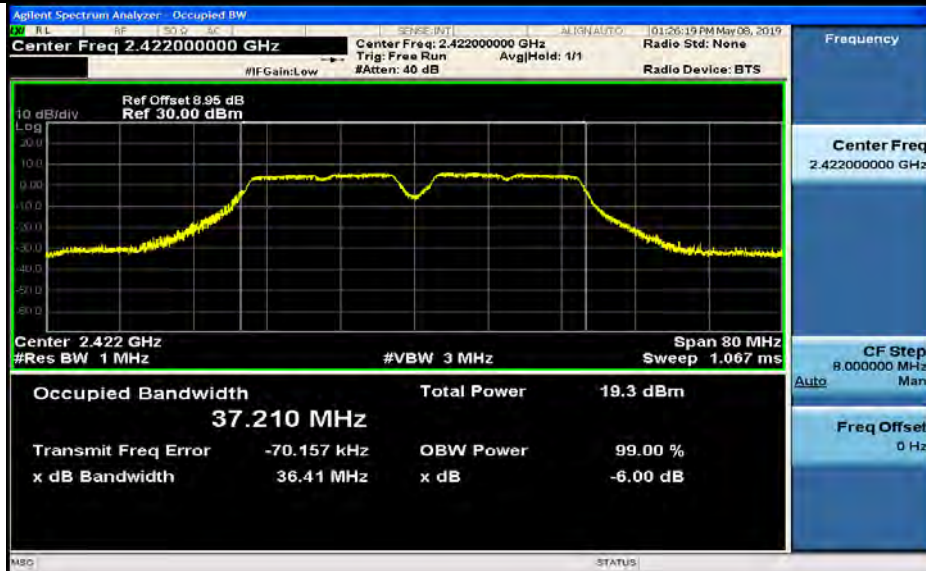
Occupied Bandwidth\_11N20SISO\_2437\_Ant2



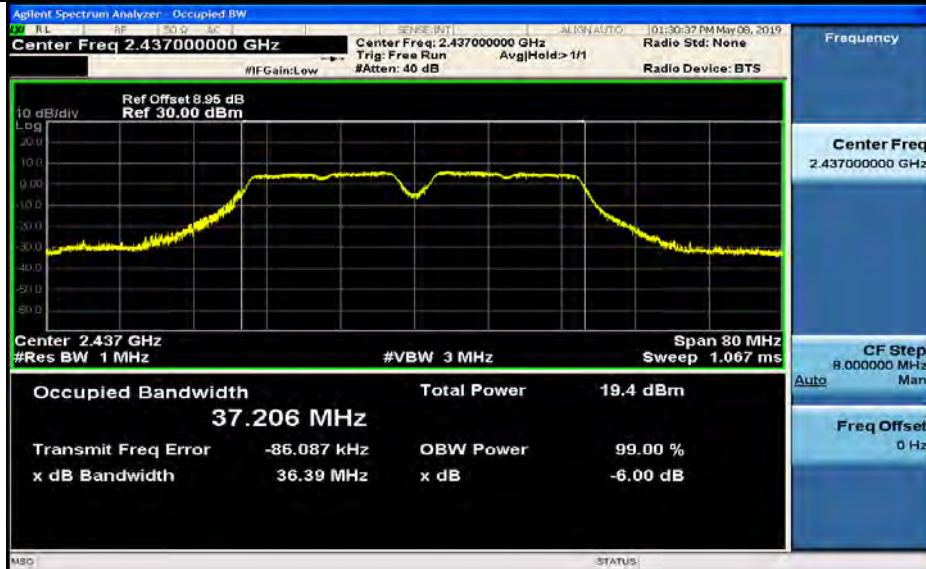
Occupied Bandwidth\_11N20SISO\_2462\_Ant2



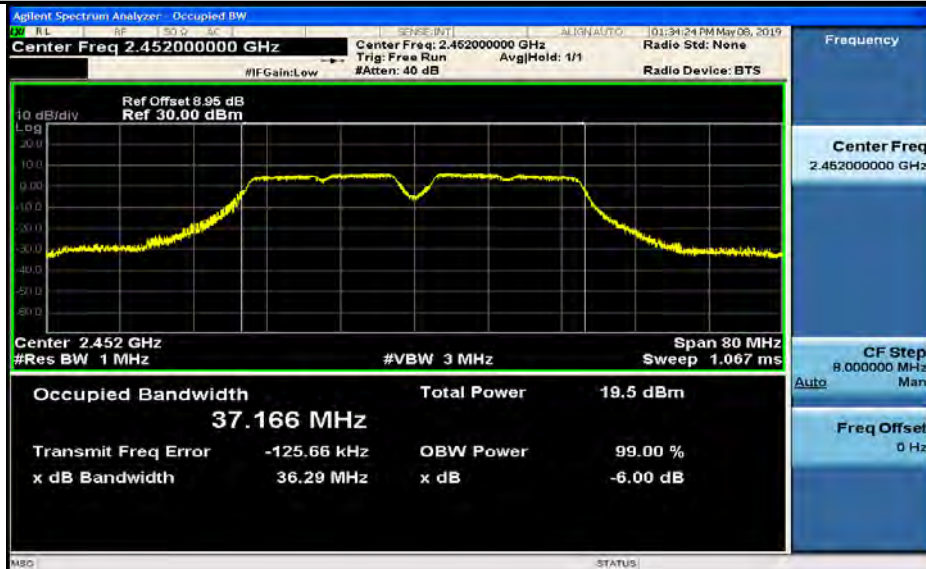
Occupied Bandwidth\_11N40SISO\_2422\_Ant2



Occupied Bandwidth\_11N40SISO\_2437\_Ant2



Occupied Bandwidth\_11N40SISO\_2452\_Ant2



### 3.Maximum conducted (average) output power

Test Mode	Test Channel	Level [dBm]		10log(1/x) Factor[dB]		Power [dBm]			Limit [dBm]	Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	MIMO		
11B	2412	15.75	15.24	0.00	0.00	15.75	15.24	NA	30	PASS
11B	2437	15.85	15.46	0.00	0.00	15.85	15.46	NA	30	PASS
11B	2462	15.36	15.35	0.00	0.00	15.36	15.35	NA	30	PASS
11G	2412	14.58	14.08	0.00	0.00	14.58	14.08	NA	30	PASS
11G	2437	14.72	14.44	0.00	0.00	14.72	14.44	NA	30	PASS
11G	2462	14.28	14.35	0.00	0.00	14.28	14.35	NA	30	PASS
11N20MIMO	2412	14.51	14.00	0.00	0.00	14.51	14.00	17.27	30	PASS
11N20MIMO	2437	14.66	14.40	0.00	0.00	14.66	14.40	17.54	30	PASS
11N20MIMO	2462	14.23	14.32	0.00	0.00	14.23	14.32	17.29	30	PASS
11N40MIMO	2422	12.46	12.06	0.00	0.00	12.46	12.06	15.27	30	PASS
11N40MIMO	2437	12.47	12.19	0.00	0.00	12.47	12.19	15.34	30	PASS
11N40MIMO	2452	12.3	12.22	0.00	0.00	12.30	12.22	15.27	30	PASS



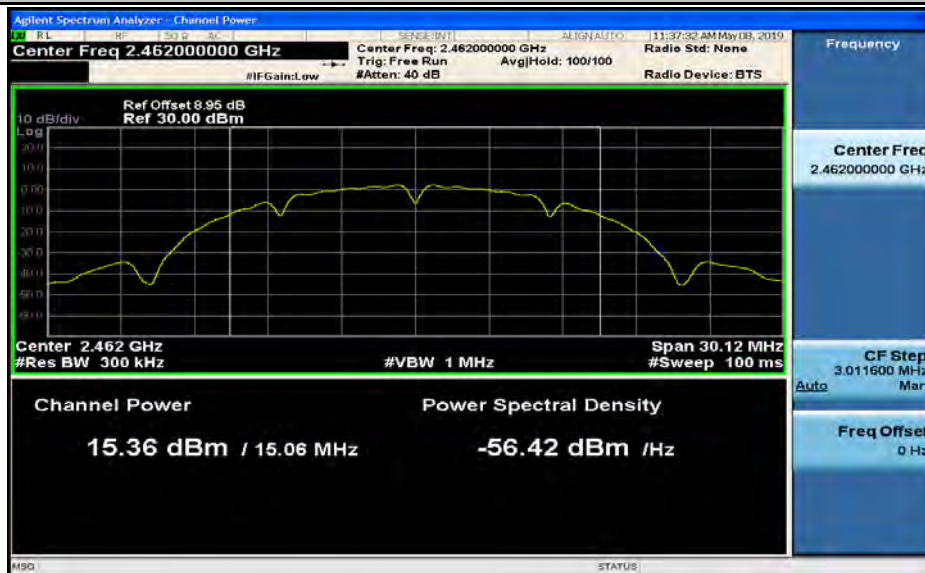
Maximum conducted (average) output power\_11B\_2412\_Ant1



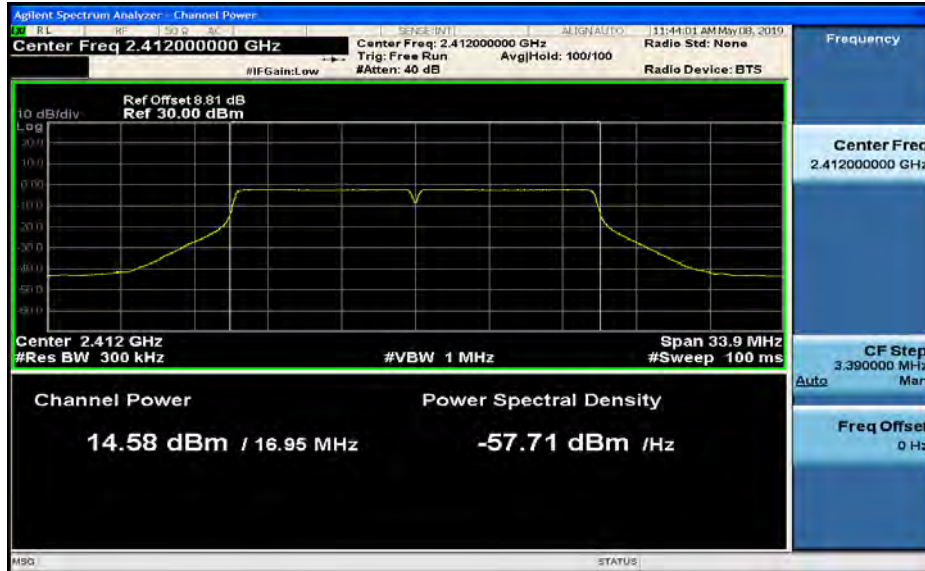
Maximum conducted (average) output power\_11B\_2437\_Ant1



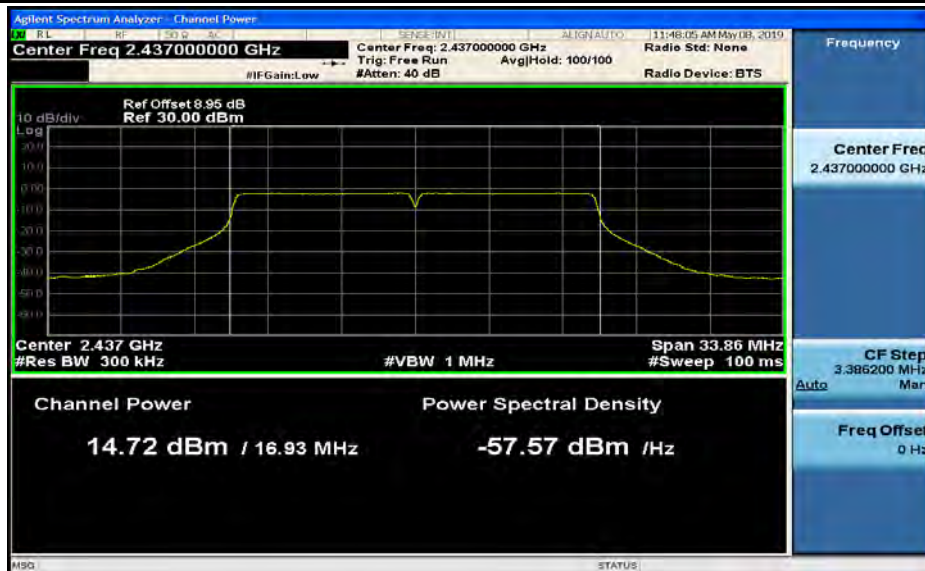
Maximum conducted (average) output power\_11B\_2462\_Ant1



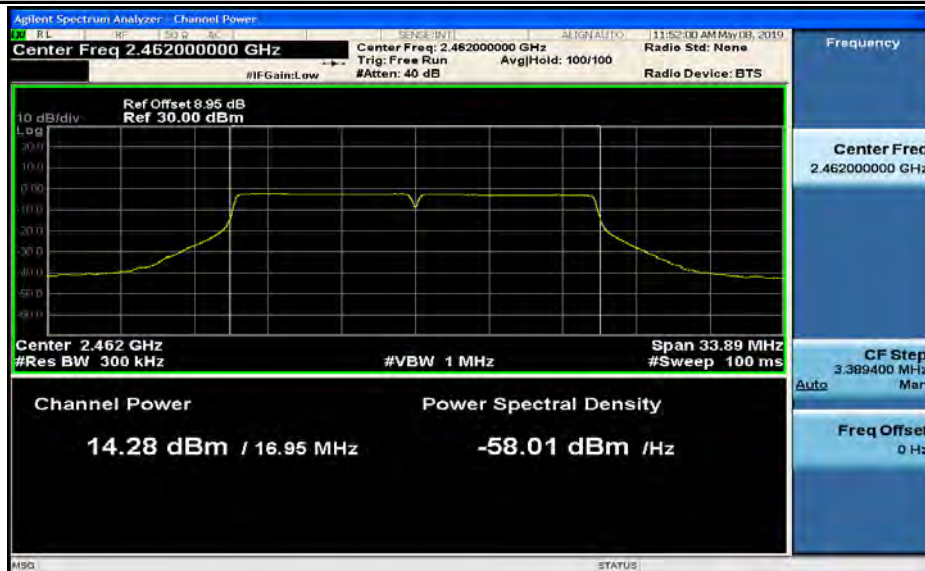
Maximum conducted (average) output power\_11G\_2412\_Ant1



Maximum conducted (average) output power\_11G\_2437\_Ant1

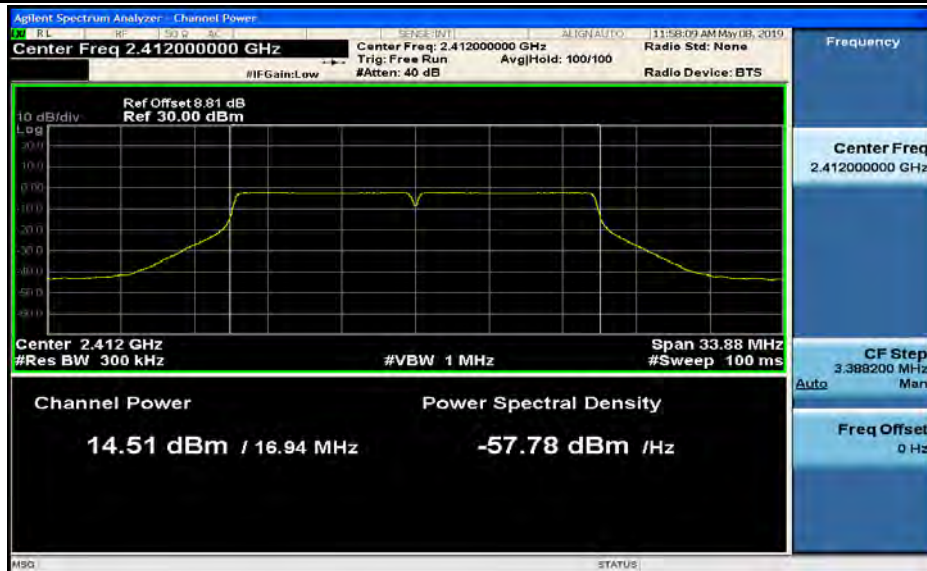


Maximum conducted (average) output power\_11G\_2462\_Ant1

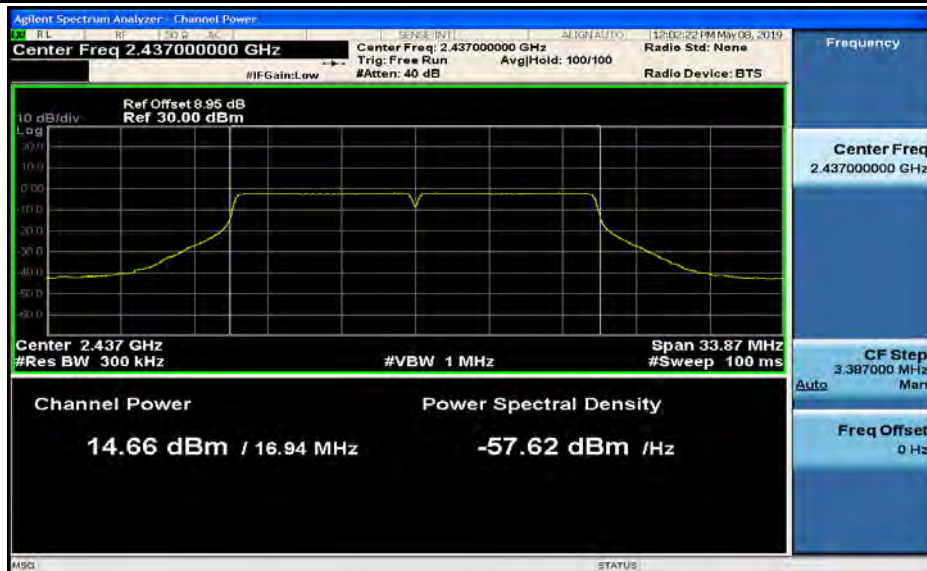




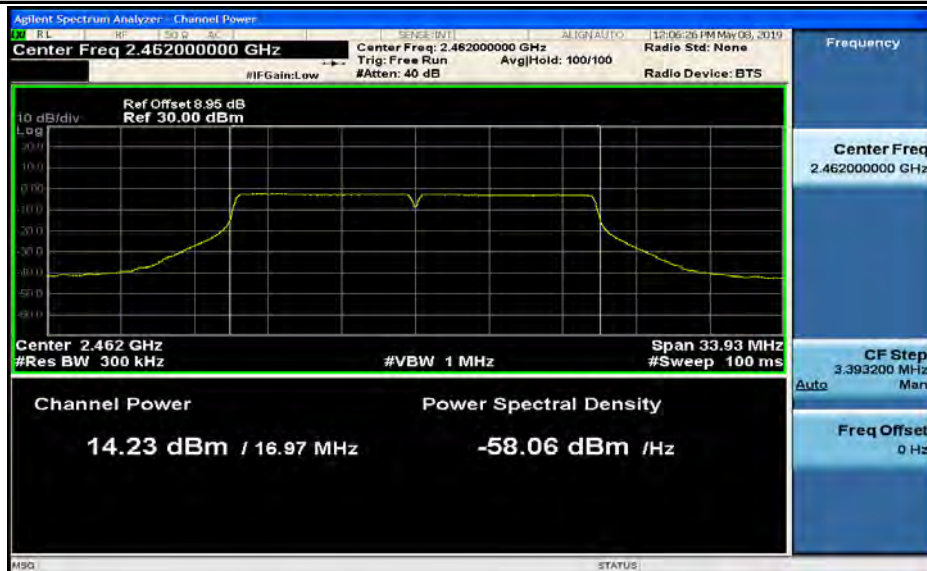
Maximum conducted (average) output power\_11N20MIMO\_2412\_Ant1



Maximum conducted (average) output power\_11N20MIMO\_2437\_Ant1

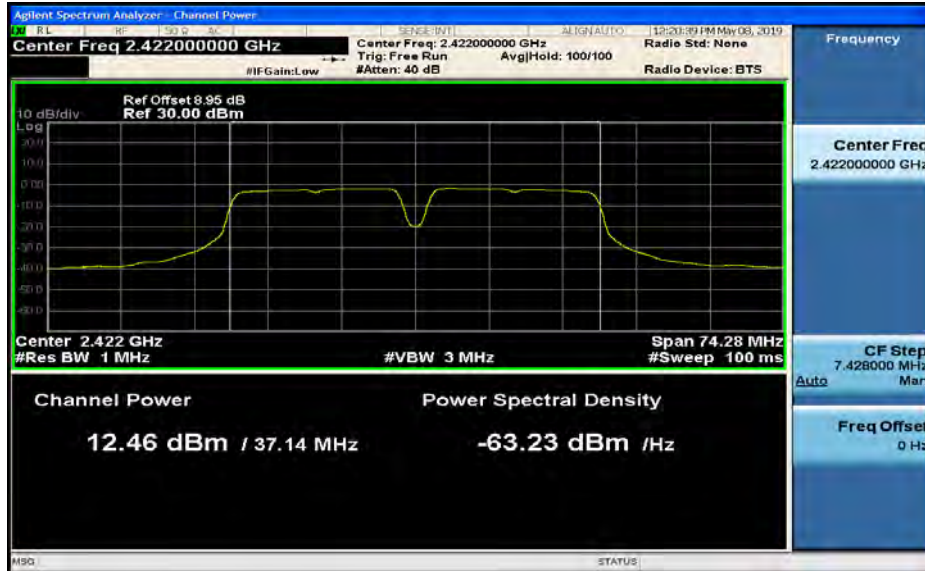


Maximum conducted (average) output power\_11N20MIMO\_2462\_Ant1

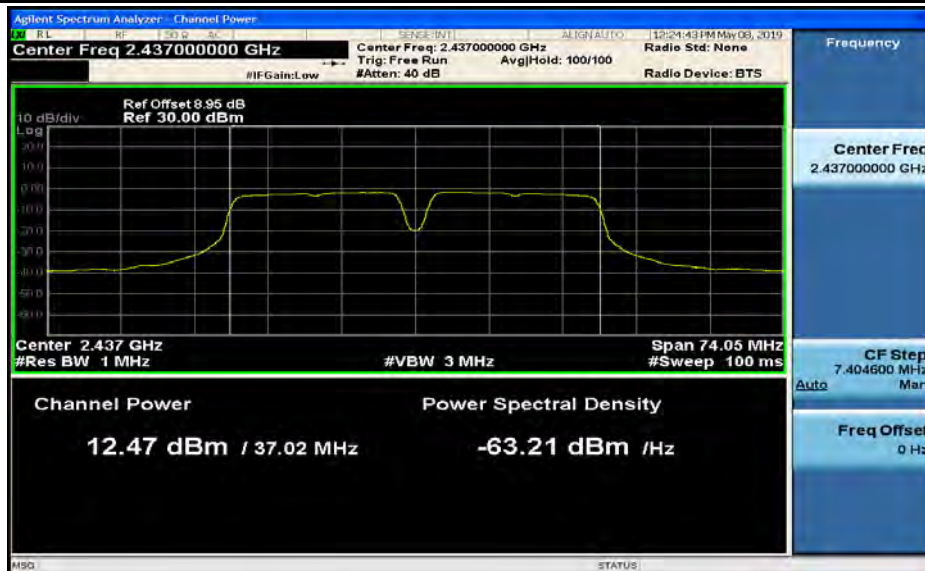




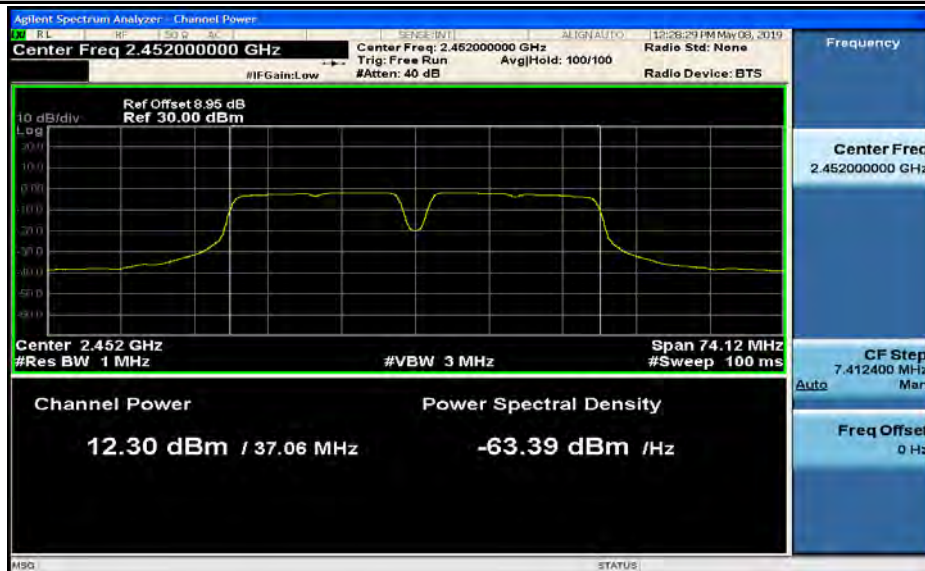
Maximum conducted (average) output power\_11N40MIMO\_2422\_Ant1



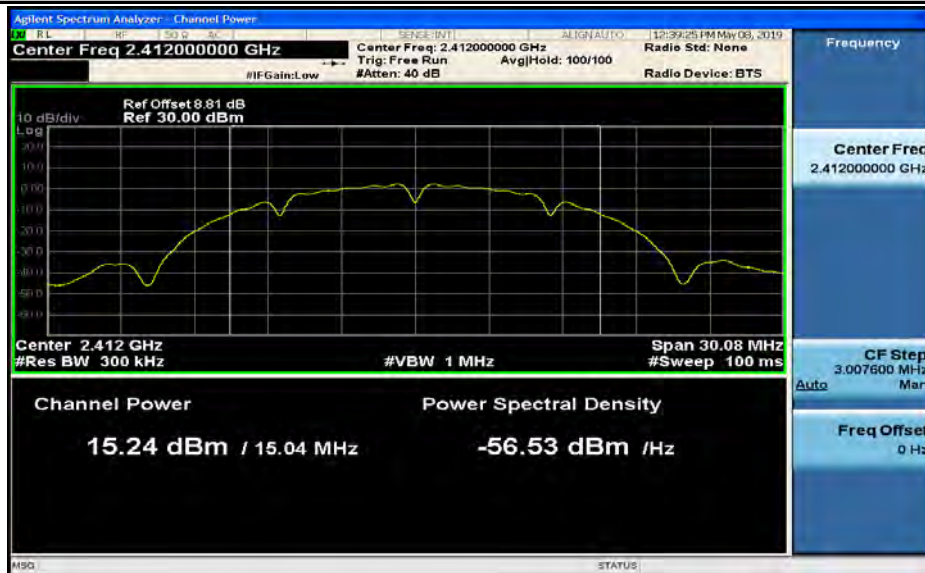
Maximum conducted (average) output power\_11N40MIMO\_2437\_Ant1



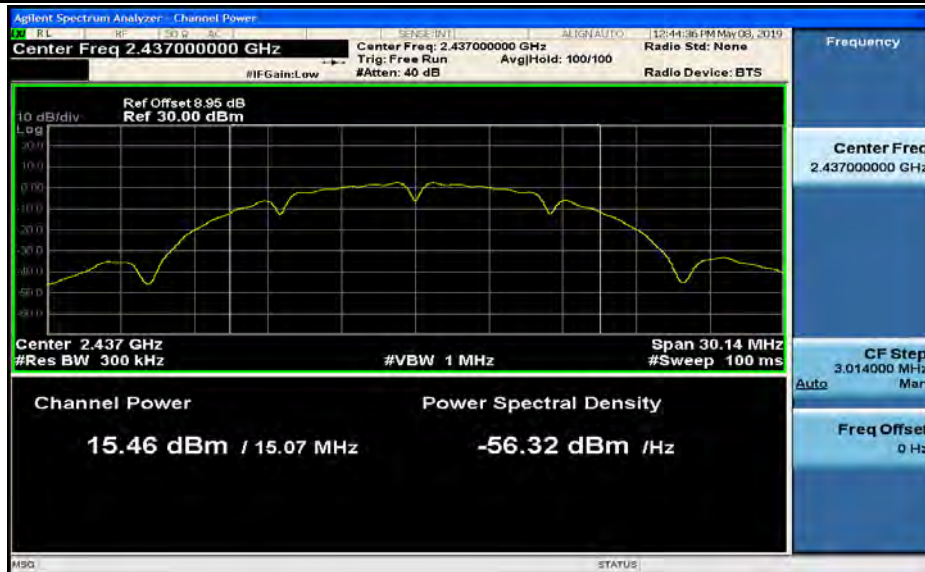
Maximum conducted (average) output power\_11N40MIMO\_2452\_Ant1



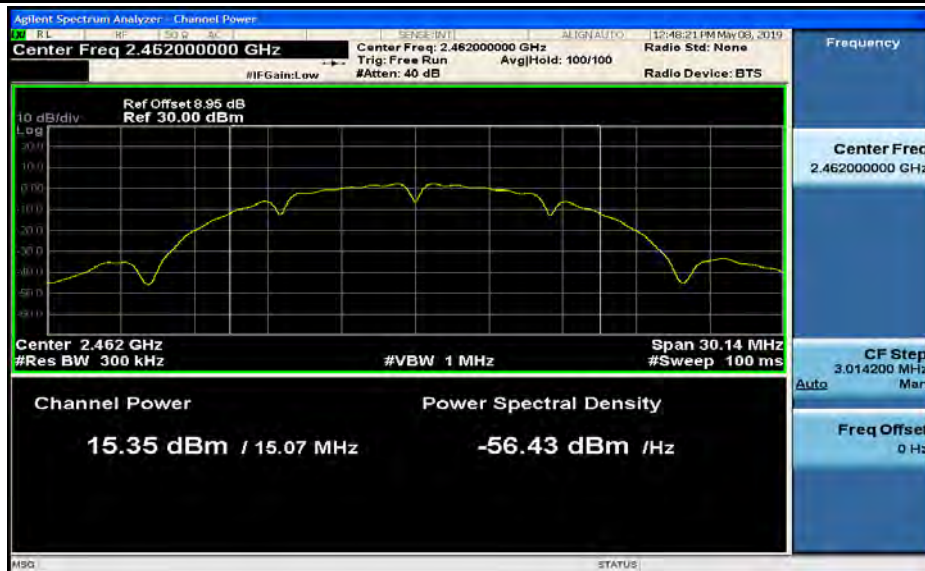
Maximum conducted (average) output power\_11B\_2412\_Ant2



Maximum conducted (average) output power\_11B\_2437\_Ant2

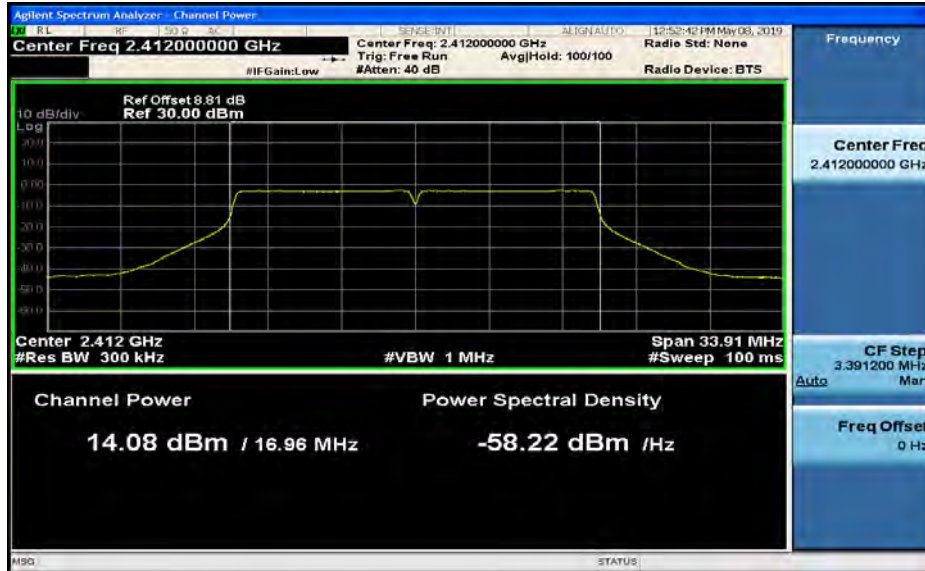


Maximum conducted (average) output power\_11B\_2462\_Ant2

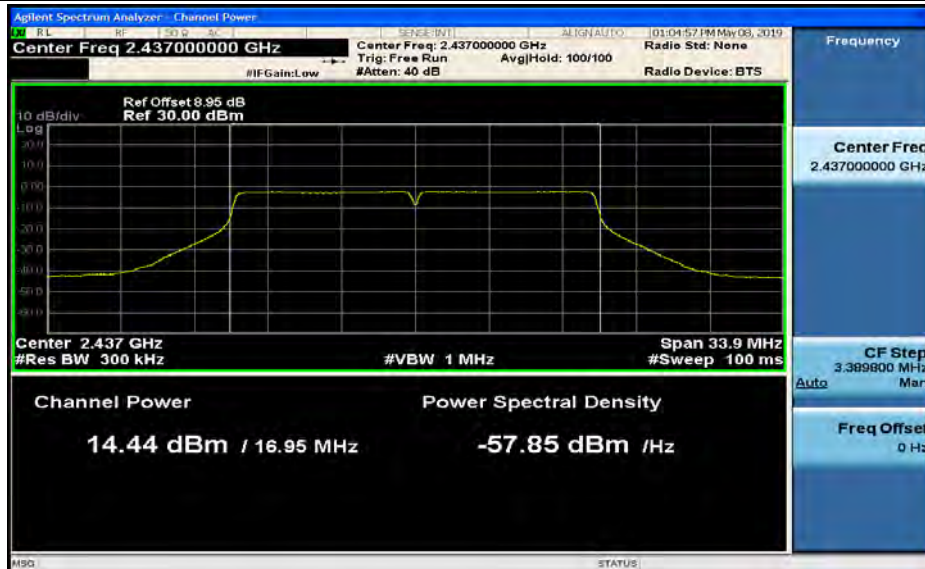




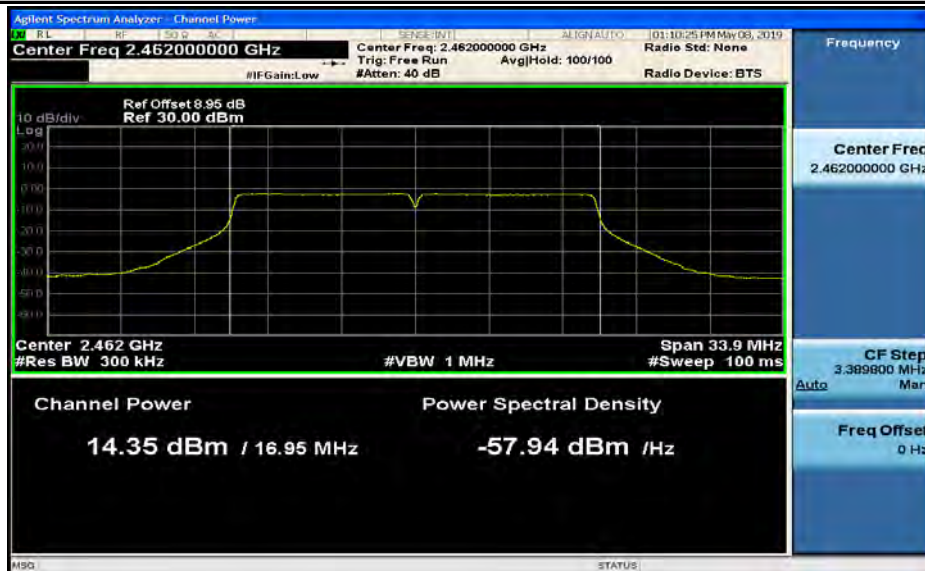
Maximum conducted (average) output power\_11G\_2412\_Ant2



Maximum conducted (average) output power\_11G\_2437\_Ant2

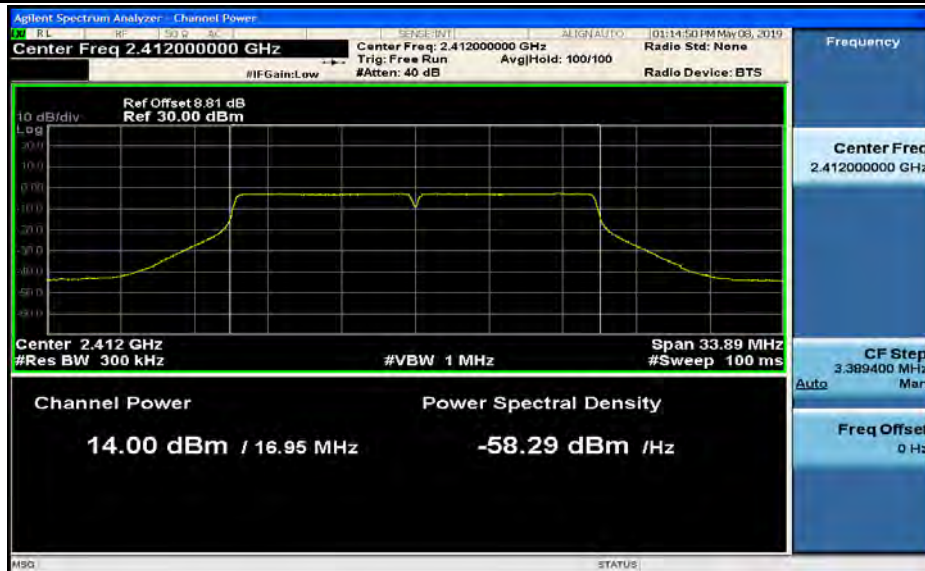


Maximum conducted (average) output power\_11G\_2462\_Ant2

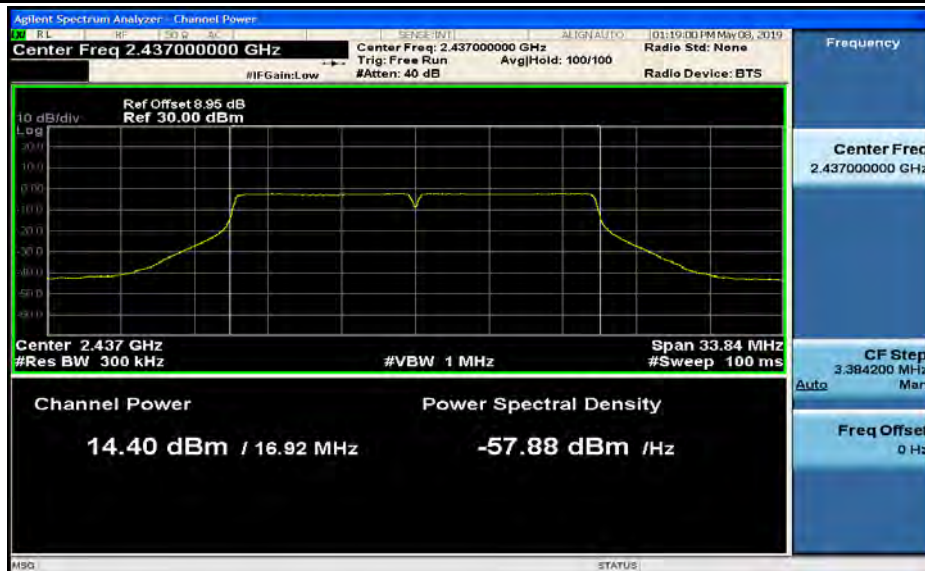




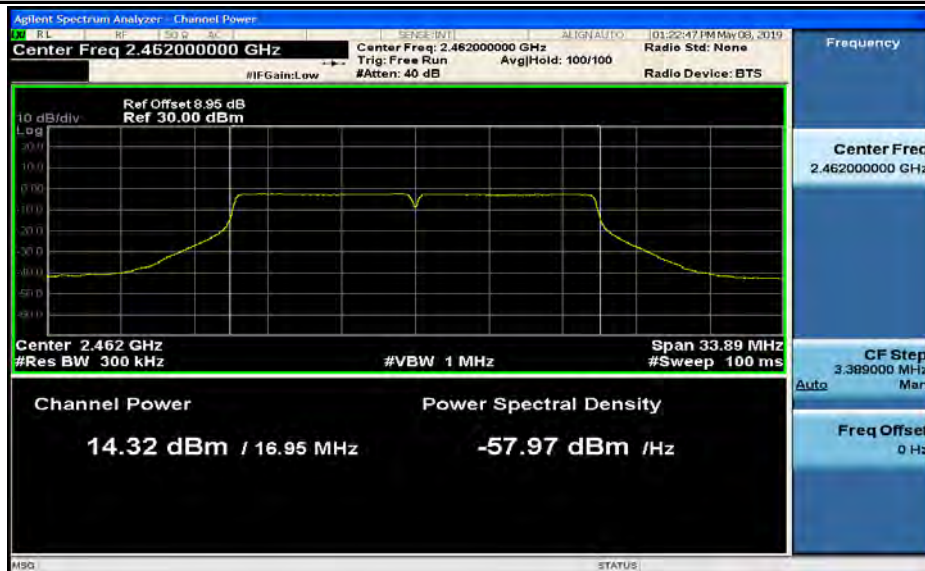
Maximum conducted (average) output power\_11N20MIMO\_2412\_Ant2



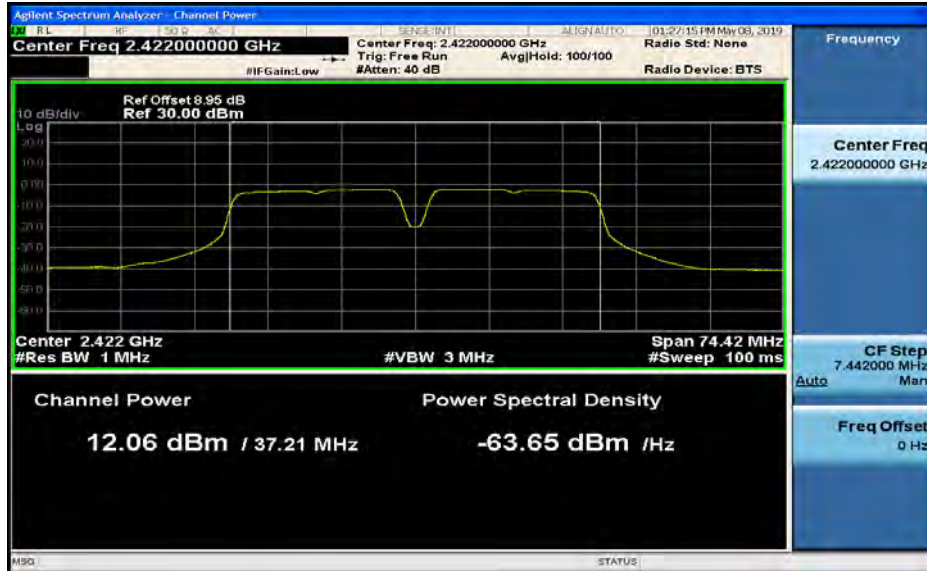
Maximum conducted (average) output power\_11N20MIMO\_2437\_Ant2



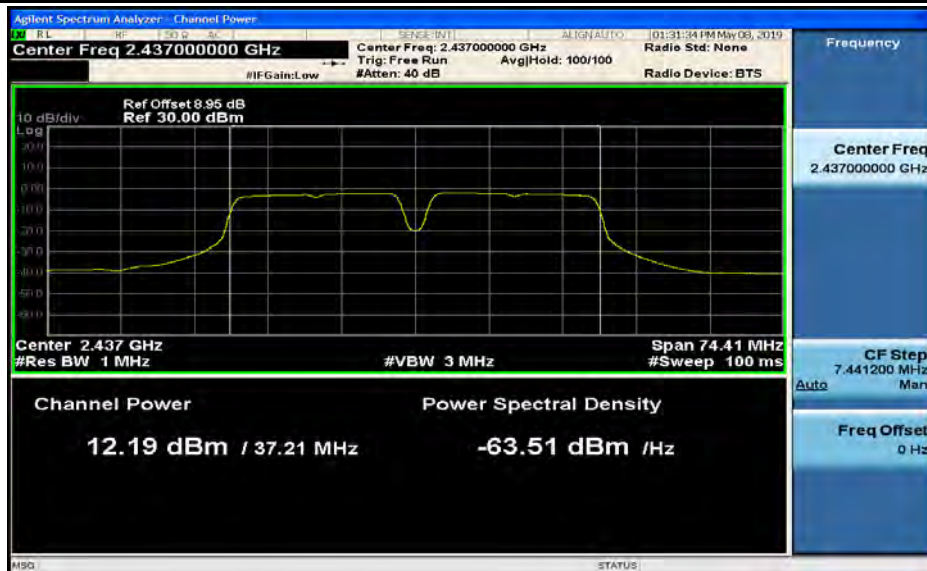
Maximum conducted (average) output power\_11N20MIMO\_2462\_Ant2



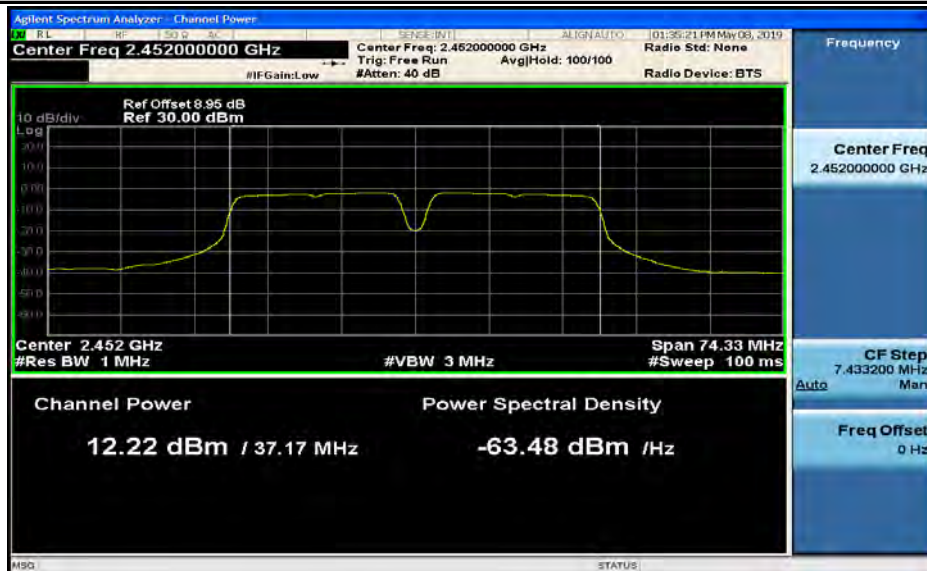
Maximum conducted (average) output power\_11N40MIMO\_2422\_Ant2



Maximum conducted (average) output power\_11N40MIMO\_2437\_Ant2



Maximum conducted (average) output power\_11N40MIMO\_2452\_Ant2



#### 4.Maximum(average) power spectral density

Test Mode	Test Channel	Level [dBm/3kHz]		10log(1/x) Factor[dB]		PSD[dBm/3kHz]			Limit[dBm/3kHz]	Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	MIMO		
11B	2412	-17.06	-17.48	0.00	0.00	-17.06	-17.48	NA	8.00	PASS
11B	2437	-16.92	-17.27	0.00	0.00	-16.92	-17.27	NA	8.00	PASS
11B	2462	-17.38	-17.35	0.00	0.00	-17.38	-17.35	NA	8.00	PASS
11G	2412	-20.09	-20.51	0.00	0.00	-20.09	-20.51	NA	8.00	PASS
11G	2437	-20.13	-20.28	0.00	0.00	-20.13	-20.28	NA	8.00	PASS
11G	2462	-20.16	-20.19	0.00	0.00	-20.16	-20.19	NA	8.00	PASS
11N20MIMO	2412	-20.25	-20.73	0.00	0.00	-20.25	-20.73	-17.47	8.00	PASS
11N20MIMO	2437	-20.20	-20.38	0.00	0.00	-20.20	-20.38	-17.28	8.00	PASS
11N20MIMO	2462	-20.37	-20.44	0.00	0.00	-20.37	-20.44	-17.39	8.00	PASS
11N40MIMO	2422	-25.35	-25.84	0.00	0.00	-25.35	-25.84	-22.58	8.00	PASS
11N40MIMO	2437	-25.10	-25.62	0.00	0.00	-25.10	-25.62	-22.34	8.00	PASS
11N40MIMO	2452	-25.19	-25.59	0.00	0.00	-25.19	-25.59	-22.38	8.00	PASS



Maximum(average) power spectral density\_11B\_2412\_Ant1



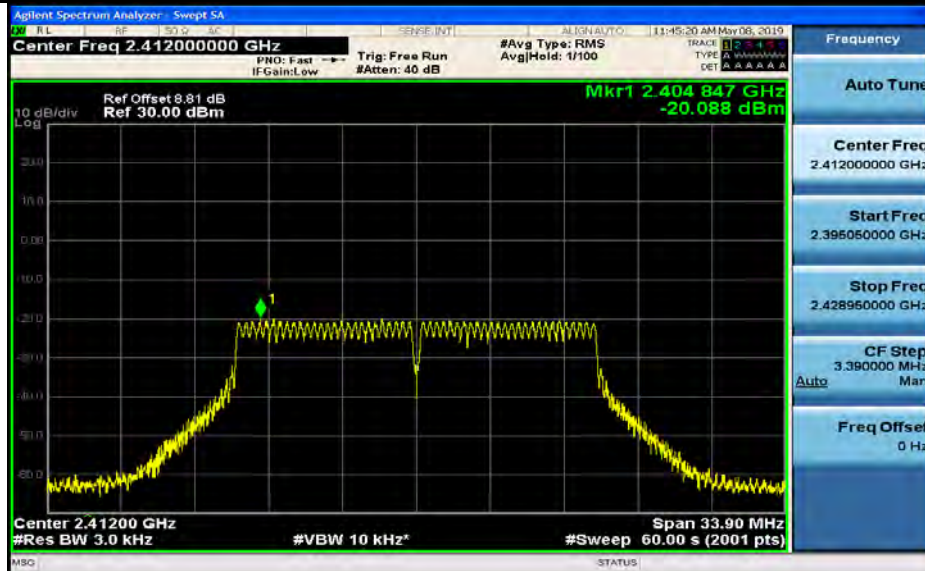
Maximum(average) power spectral density\_11B\_2437\_Ant1



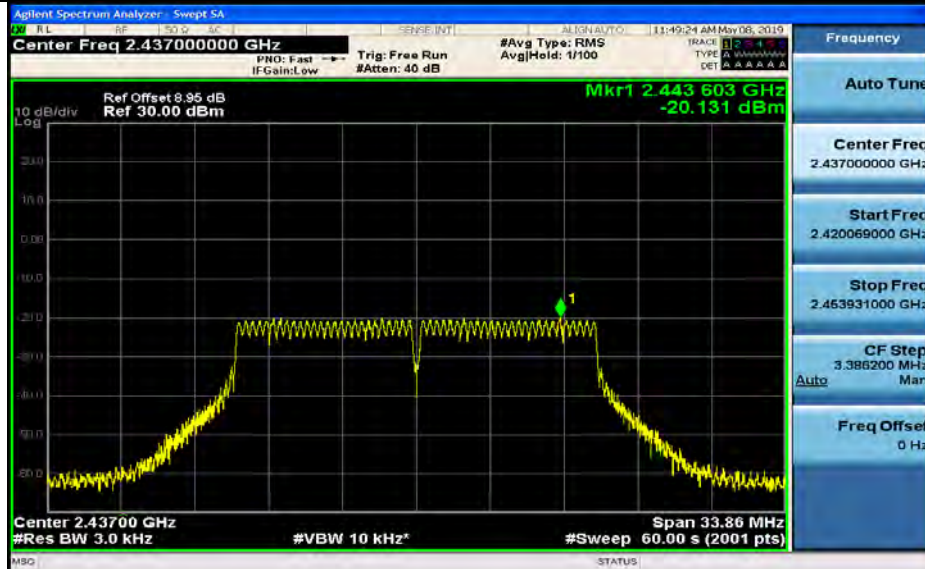
Maximum(average) power spectral density\_11B\_2462\_Ant1



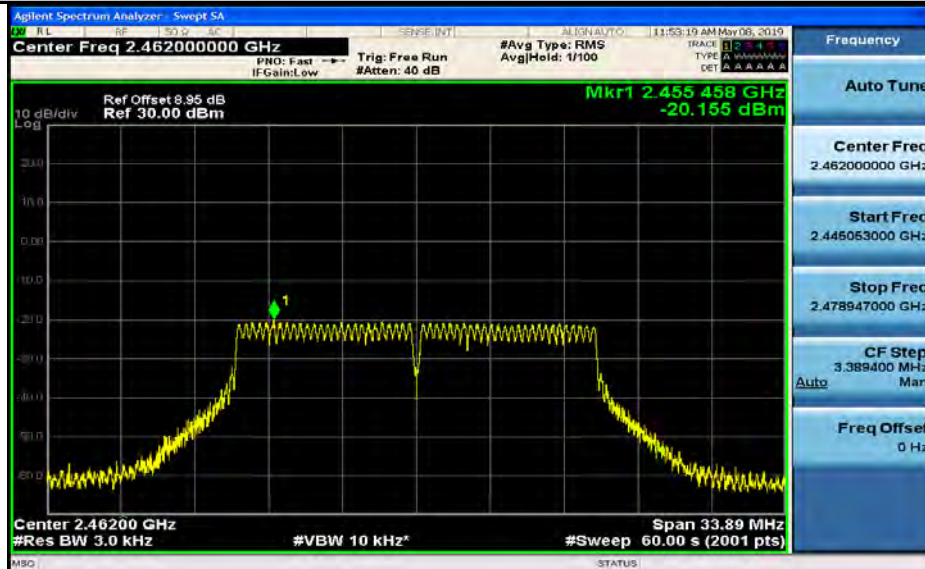
Maximum(average) power spectral density\_11G\_2412\_Ant1



Maximum(average) power spectral density\_11G\_2437\_Ant1

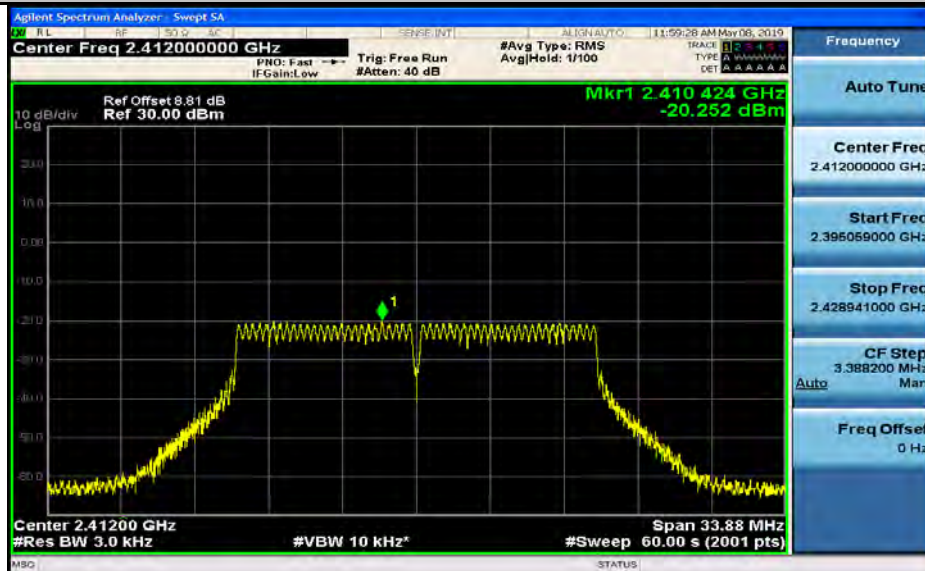


Maximum(average) power spectral density\_11G\_2462\_Ant1

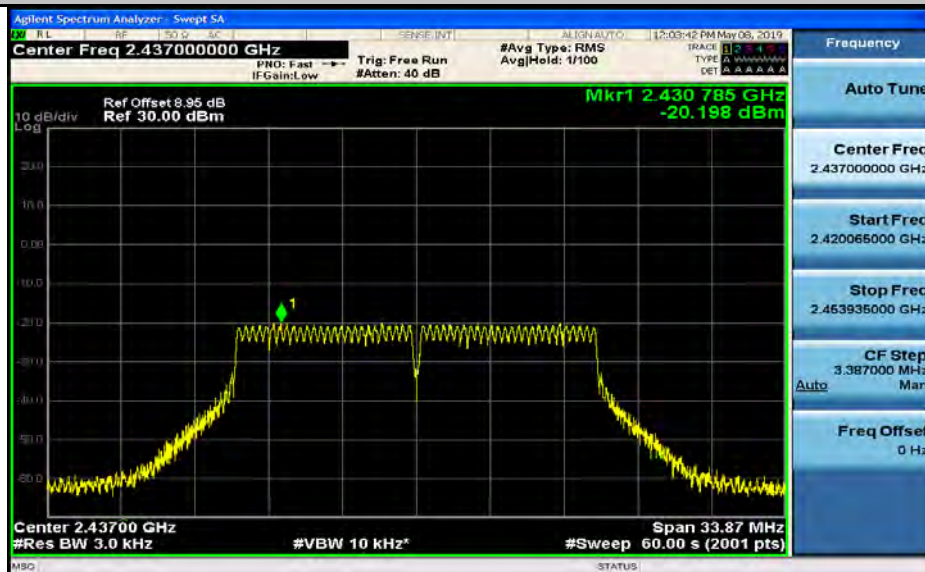




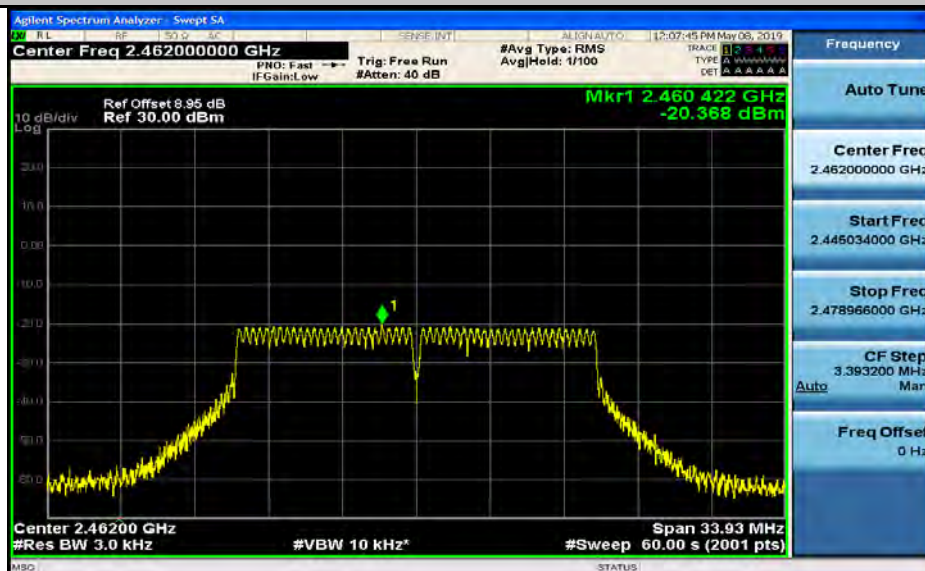
Maximum(average) power spectral density\_11N20MIMO\_2412\_Ant1



Maximum(average) power spectral density\_11N20MIMO\_2437\_Ant1

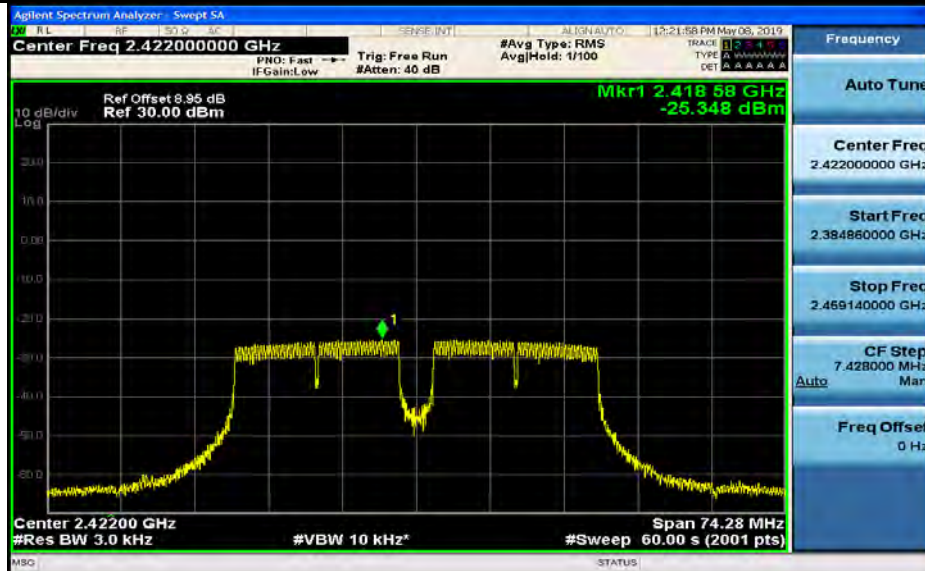


Maximum(average) power spectral density\_11N20MIMO\_2462\_Ant1

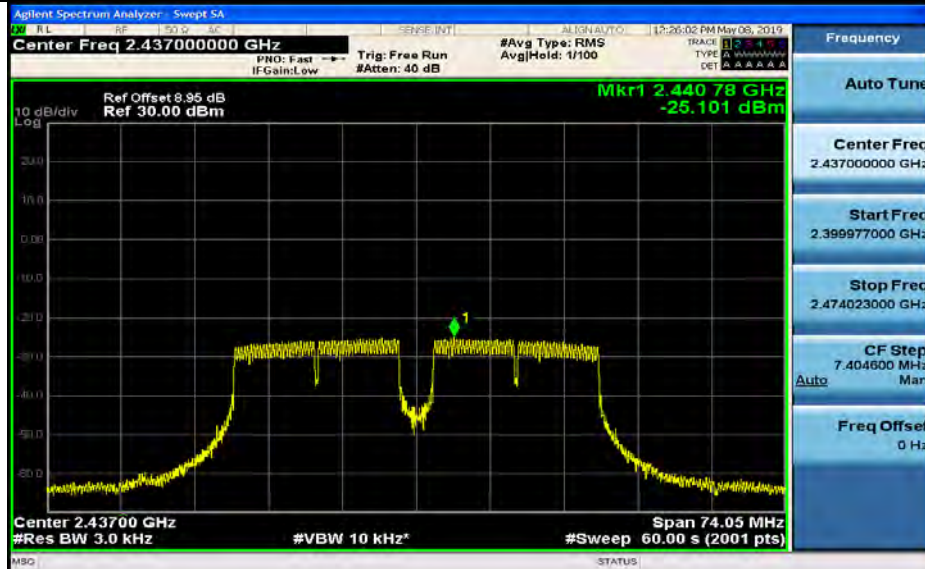




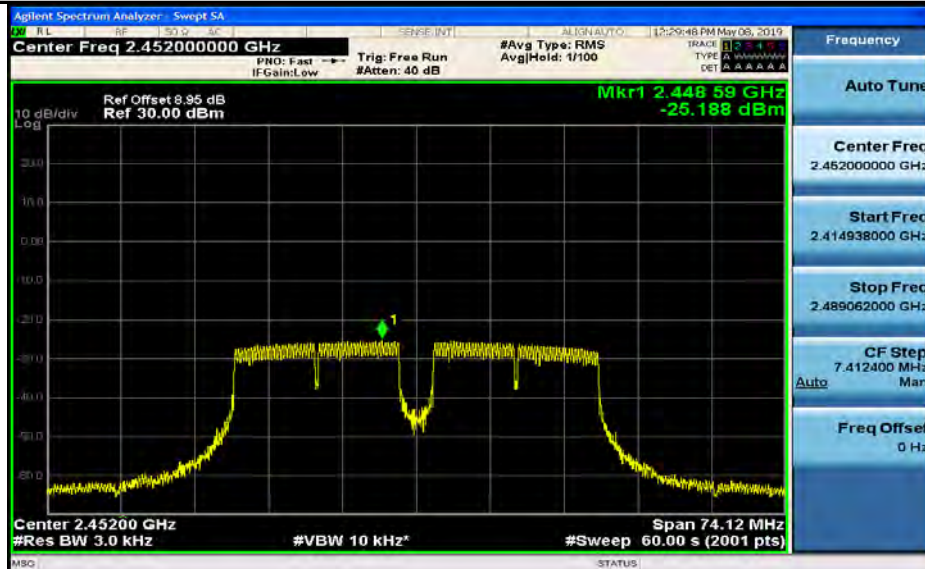
Maximum(average) power spectral density\_11N40MIMO\_2422\_Ant1



Maximum(average) power spectral density\_11N40MIMO\_2437\_Ant1



Maximum(average) power spectral density\_11N40MIMO\_2452\_Ant1



Maximum(average) power spectral density\_11B\_2412\_Ant2



Maximum(average) power spectral density\_11B\_2437\_Ant2

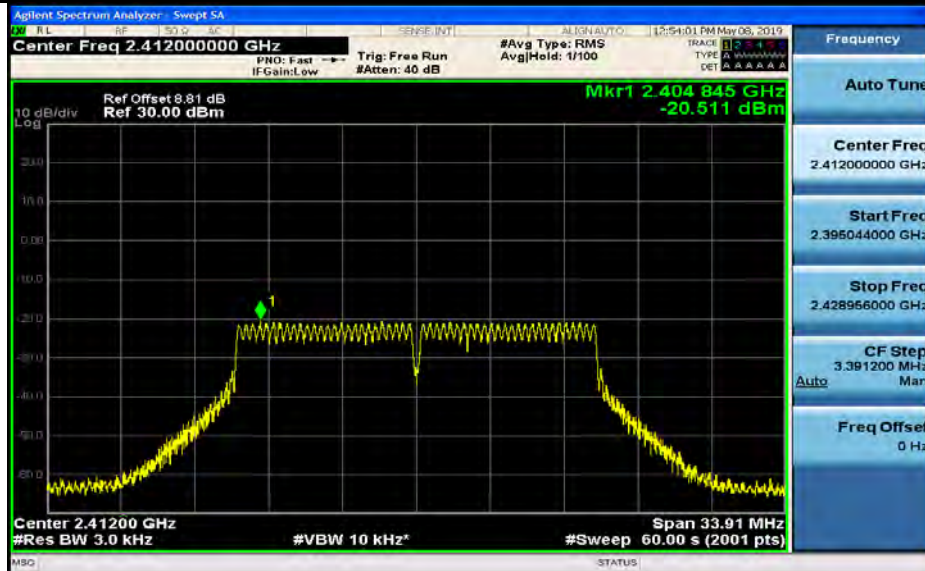


Maximum(average) power spectral density\_11B\_2462\_Ant2

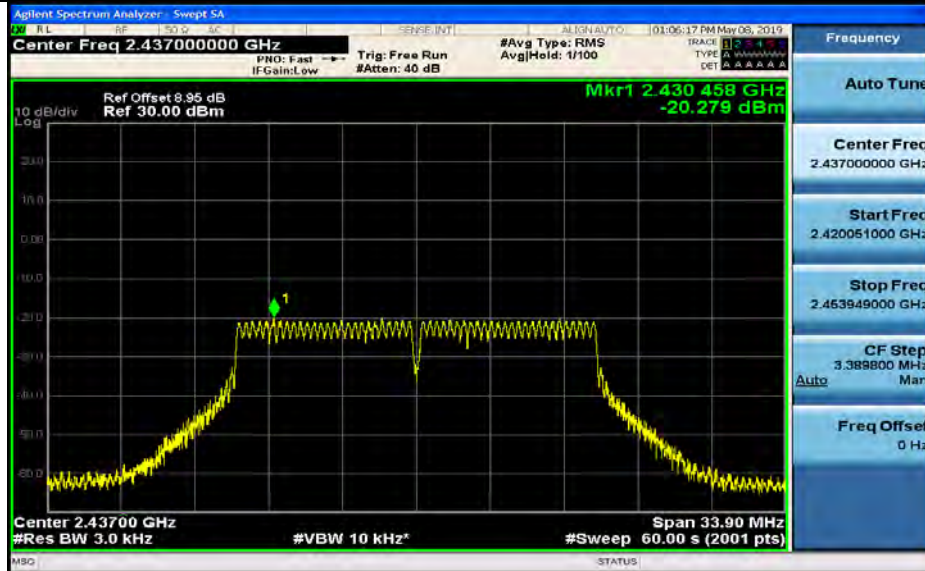




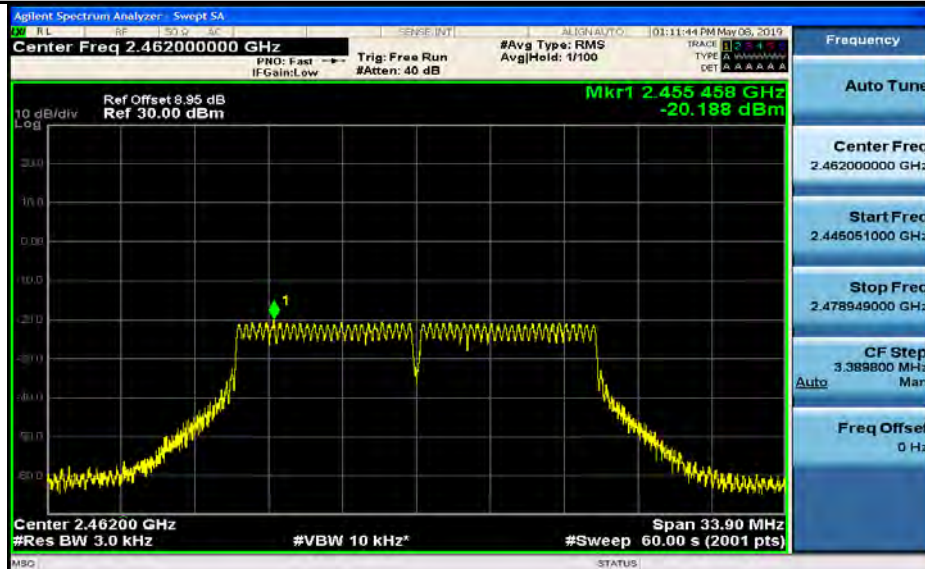
Maximum(average) power spectral density\_11G\_2412\_Ant2



Maximum(average) power spectral density\_11G\_2437\_Ant2

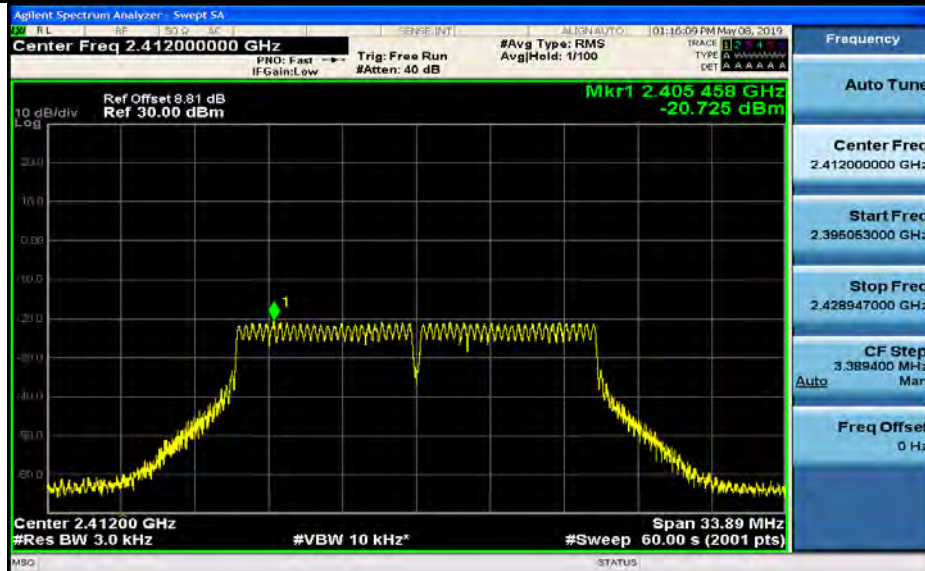


Maximum(average) power spectral density\_11G\_2462\_Ant2

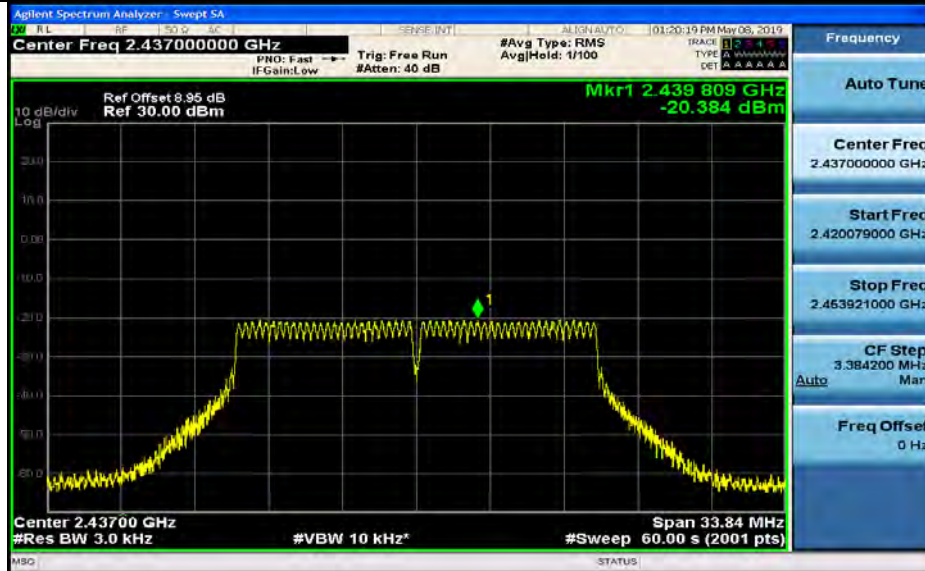




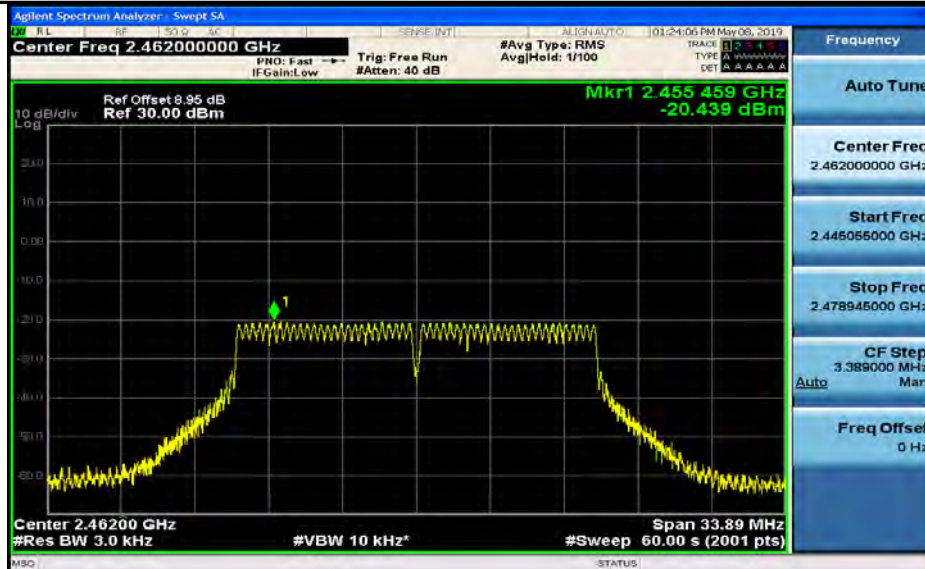
Maximum(average) power spectral density\_11N20MIMO\_2412\_Ant2



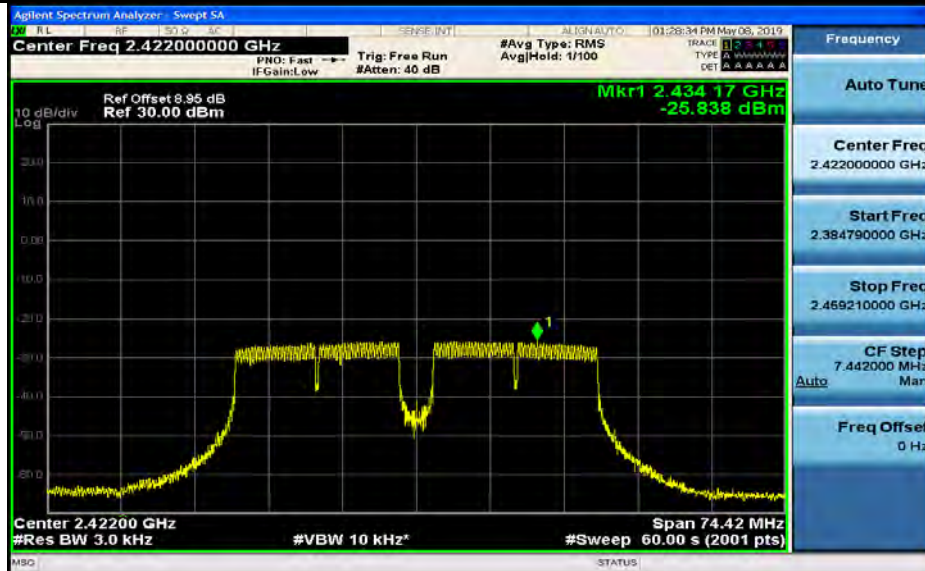
Maximum(average) power spectral density\_11N20MIMO\_2437\_Ant2



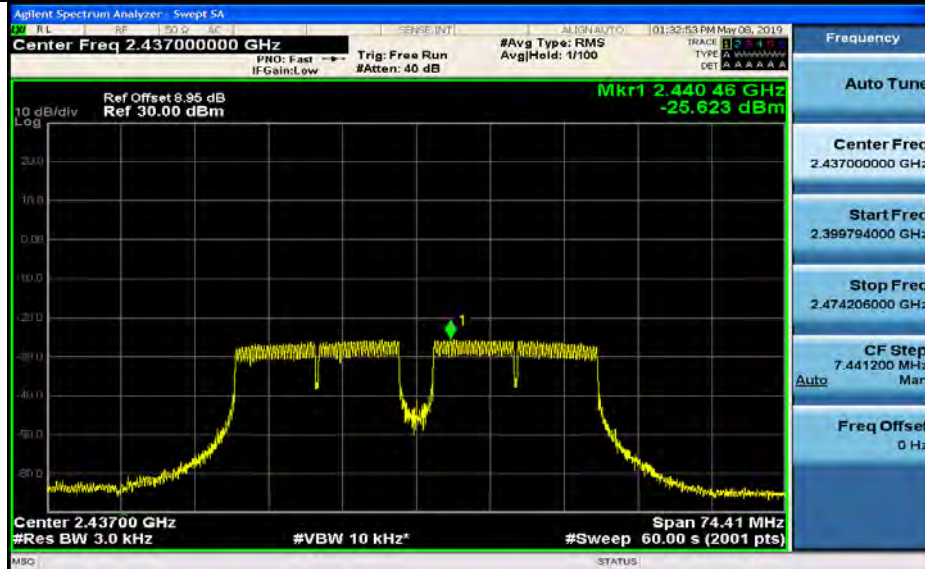
Maximum(average) power spectral density\_11N20MIMO\_2462\_Ant2



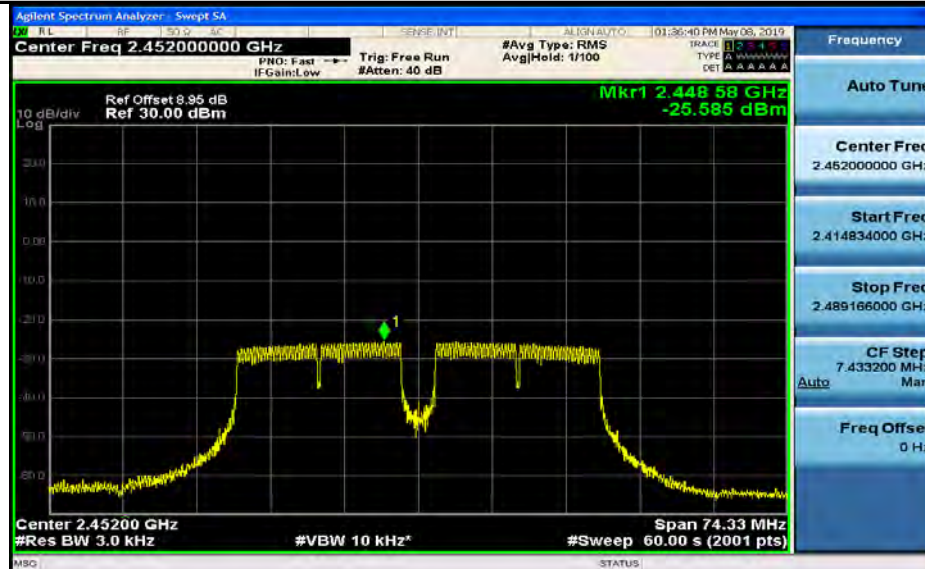
Maximum(average) power spectral density\_11N40MIMO\_2422\_Ant2



Maximum(average) power spectral density\_11N40MIMO\_2437\_Ant2



Maximum(average) power spectral density\_11N40MIMO\_2452\_Ant2

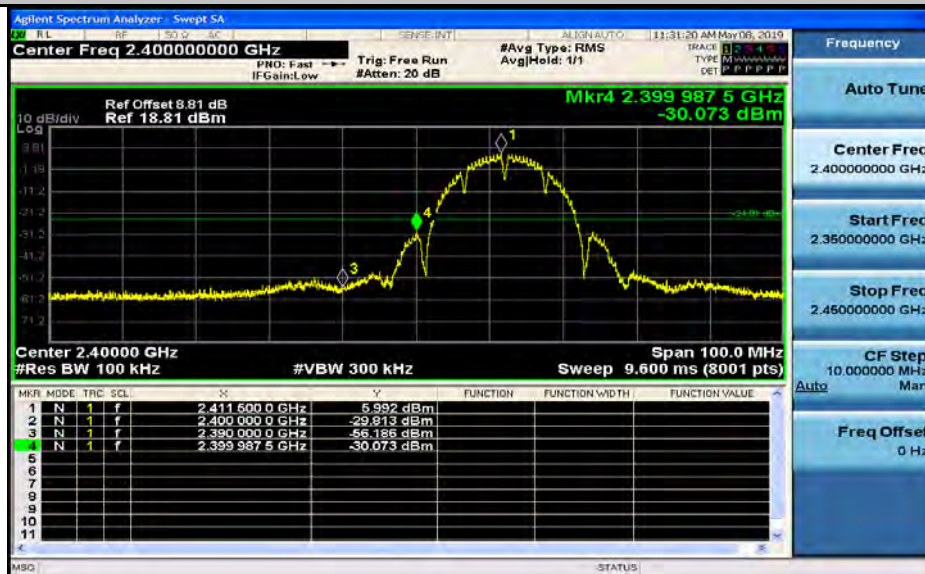


### 5.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Carrier Power[dBm]		Max. Spurious Level [dBm]		Limit [dBm]		Verdict
		Ant1	Ant2	Ant1	Ant2	Ant1	Ant2	
11B	2412	5.99	5.51	-29.81	-32.37	-24.01	-24.49	PASS
11B	2462	5.60	5.61	-53.62	-53.71	-24.40	-24.40	PASS
11G	2412	0.04	-0.35	-33.41	-33.53	-29.96	-30.35	PASS
11G	2462	-0.11	0.03	-43.24	-46.77	-30.11	-29.97	PASS
11N20SISO	2412	-0.08	-0.54	-33.97	-33.87	-30.08	-30.54	PASS
11N20SISO	2462	-0.13	-0.01	-42.14	-46.88	-30.13	-30.01	PASS
11N40SISO	2422	-5.42	-4.86	-42.61	-41.15	-35.42	-34.86	PASS
11N40SISO	2452	-5.30	-4.69	-46.68	-43.17	-35.30	-34.69	PASS



Band-edge for RF Conducted Emissions\_11B\_2412\_Ant1



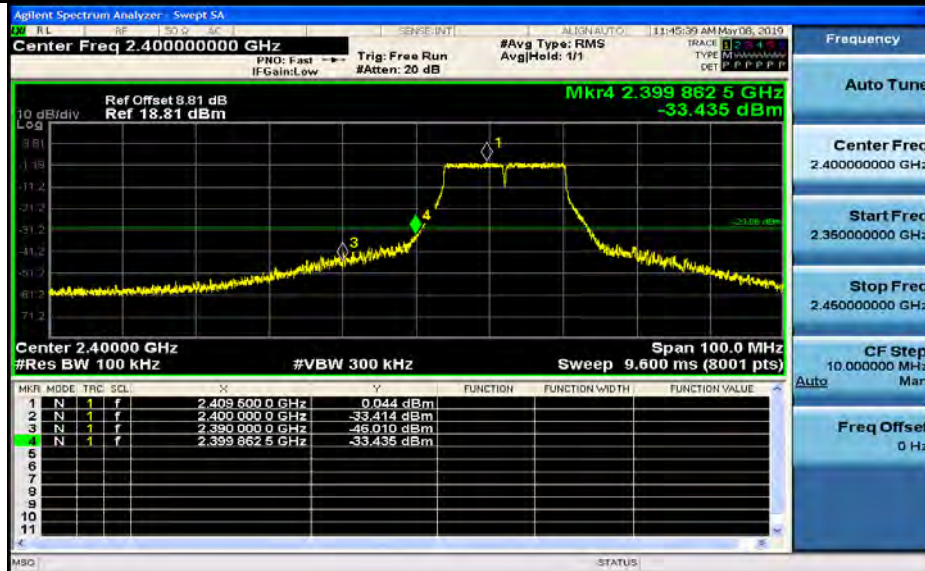
Band-edge for RF Conducted Emissions\_11B\_2462\_Ant1



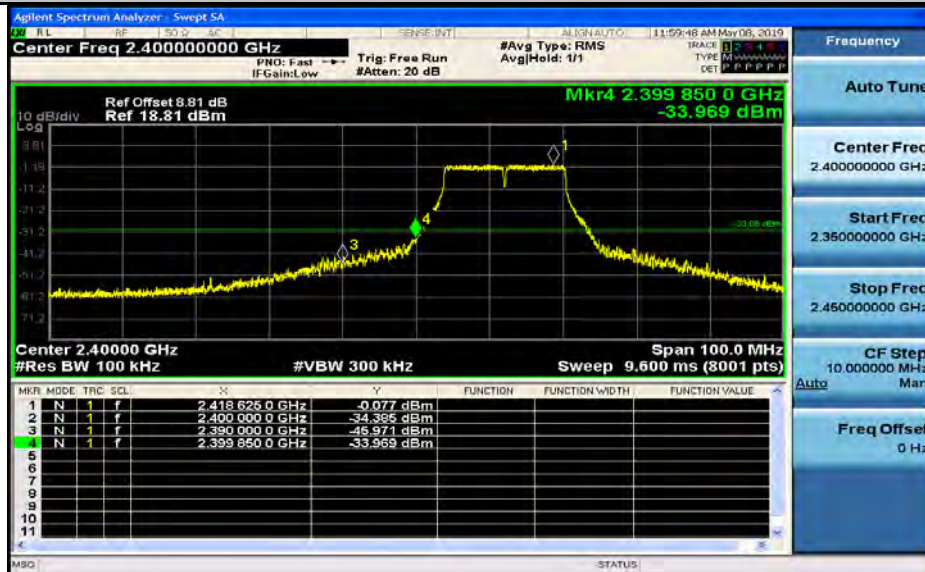
Band-edge for RF Conducted Emissions\_11G\_2412\_Ant1



Band-edge for RF Conducted Emissions\_11G\_2462\_Ant1



Band-edge for RF Conducted Emissions\_11N20SISO\_2412\_Ant1



Band-edge for RF Conducted Emissions\_11N20SISO\_2462\_Ant1

