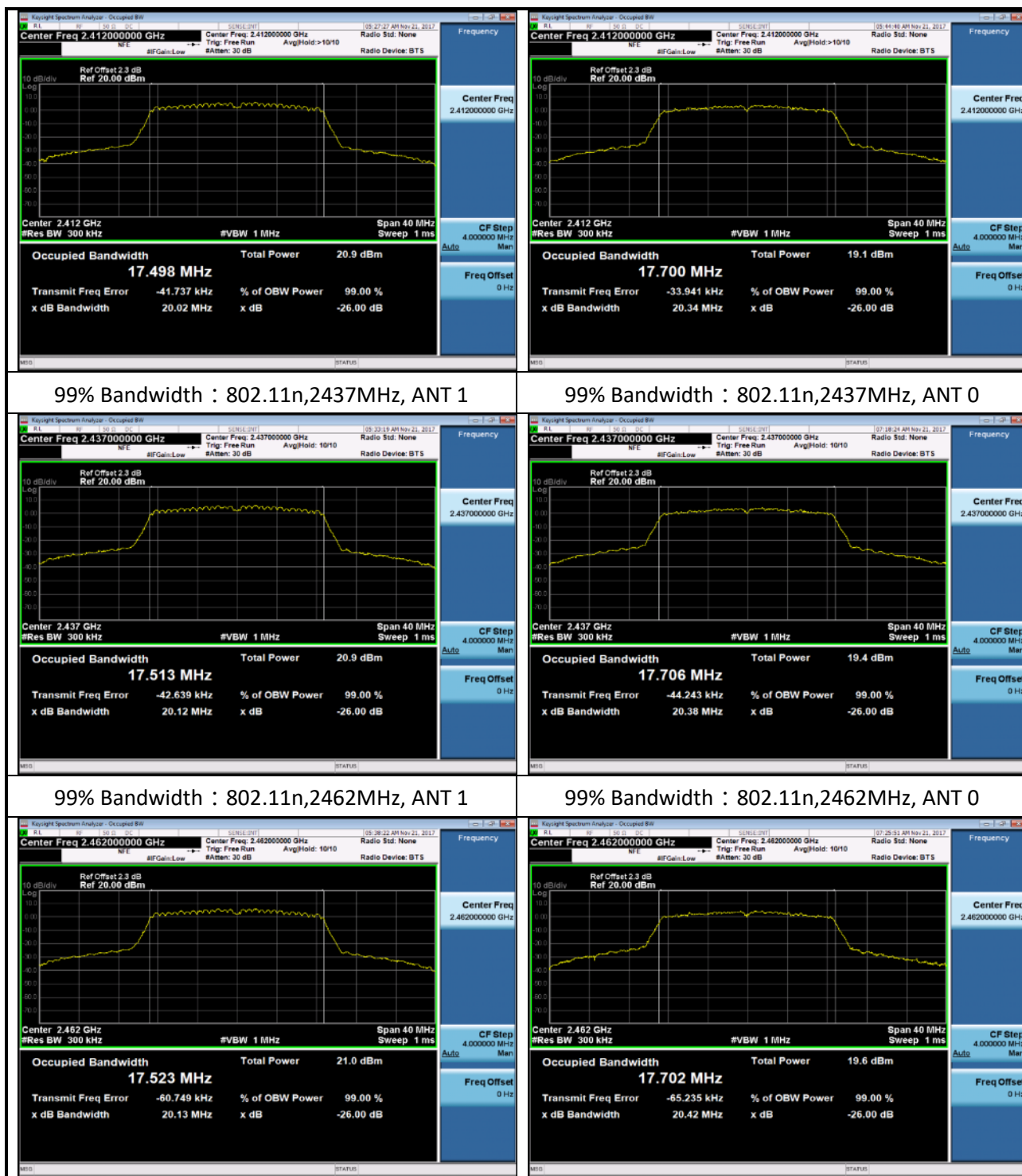




4. Maximum conducted output power and e.i.r.p

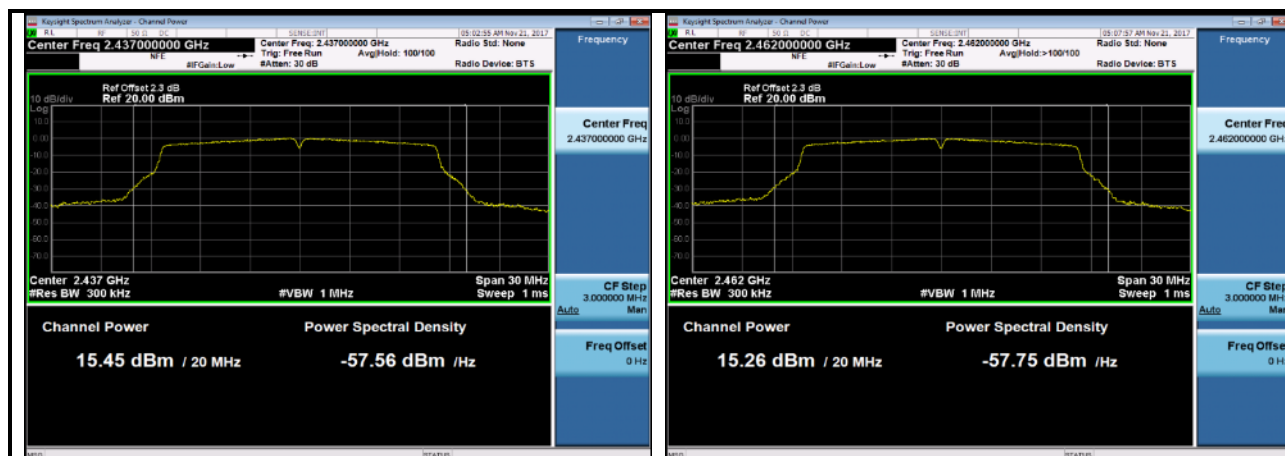
4.1 Test Data

WLAN AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Power (dBm)	Total Power (dBm)	Limit (dBm)	Result
802.11b	2412	Ant0	0.00	14.57	15.28	30	Pass
802.11b	2412	Ant1	0.00	15.28			
802.11b	2437	Ant0	0.00	14.80	15.43	30	Pass
802.11b	2437	Ant1	0.00	15.43			
802.11b	2462	Ant0	0.00	15.01	15.42	30	Pass
802.11b	2462	Ant1	0.00	15.42			
802.11g	2412	Ant0	0.10	13.65	14.31	30	Pass
802.11g	2412	Ant1	0.12	14.31			
802.11g	2437	Ant0	0.12	13.99	14.41	30	Pass
802.11g	2437	Ant1	0.10	14.41			
802.11g	2462	Ant0	0.10	14.14	14.38	30	Pass
802.11g	2462	Ant1	0.10	14.38			
802.11n(HT20)	2412	Ant0	0.11	11.45	15.01	30	Pass
802.11n(HT20)	2412	Ant1	0.11	12.48			
802.11n(HT20)	2437	Ant0	0.11	11.71	15.15	30	Pass
802.11n(HT20)	2437	Ant1	0.11	12.53			
802.11n(HT20)	2462	Ant0	0.13	11.87	15.25	30	Pass
802.11n(HT20)	2462	Ant1	0.11	12.58			
802.11n(HT40)	2422	Ant0	0.26	10.01	13.28	30	Pass
802.11n(HT40)	2422	Ant1	0.22	10.52			
802.11n(HT40)	2437	Ant0	0.22	10.07	13.42	30	Pass
802.11n(HT40)	2437	Ant1	0.22	10.73			
802.11n(HT40)	2452	Ant0	0.22	10.11	13.47	30	Pass
802.11n(HT40)	2452	Ant1	0.22	10.78			

Max conducted output power (dBm)	Max antenna gain (dBi)	Max e.i.r.p. (W)	Limit (W)	Result
15.43	3.14	0.072	4	Pass

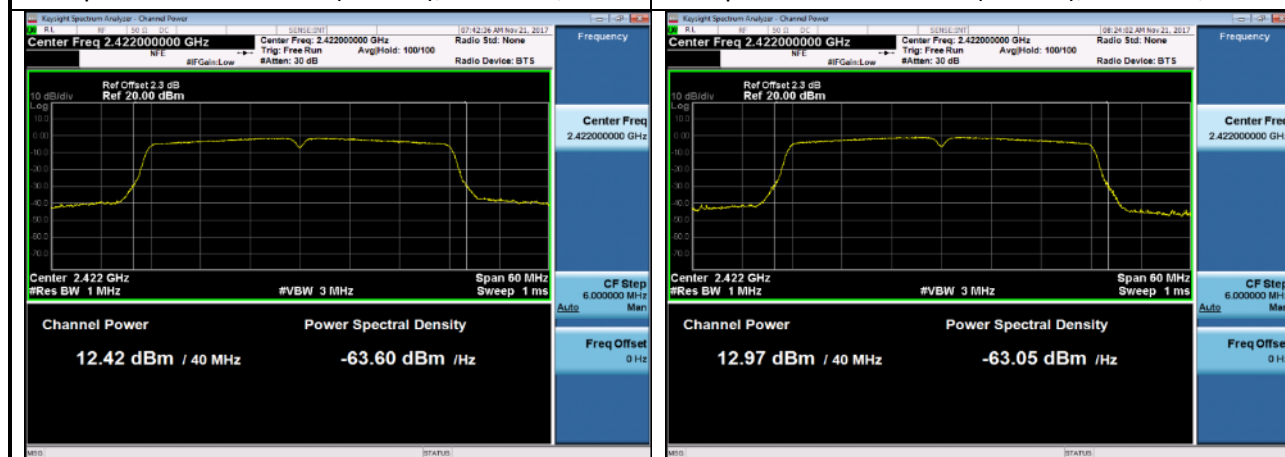
4.2 Test Plots





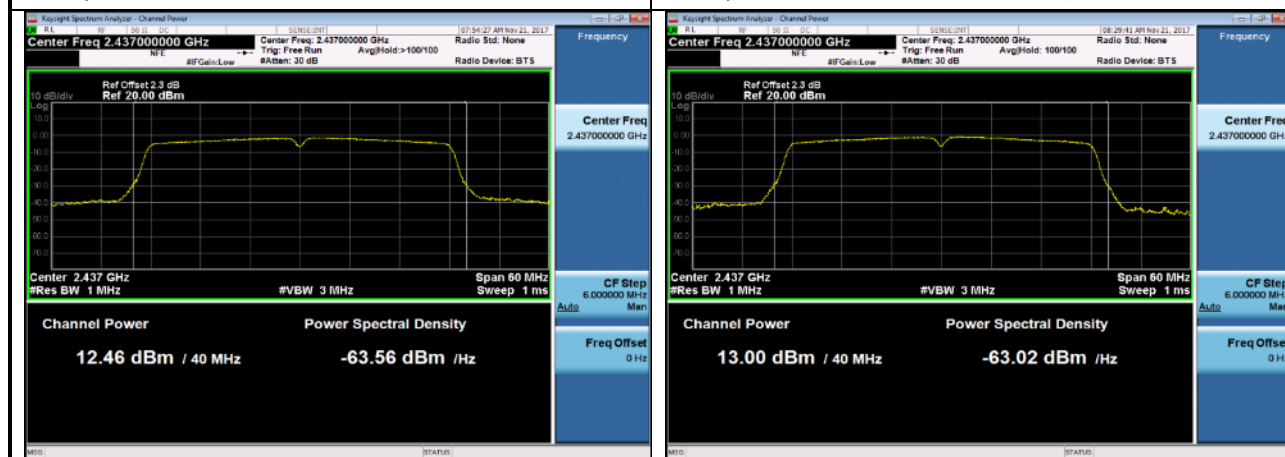
Output Power : 802.11n(40MHz),2422MHz,Ant0

Output Power : 802.11n(40MHz),2422MHz,Ant1



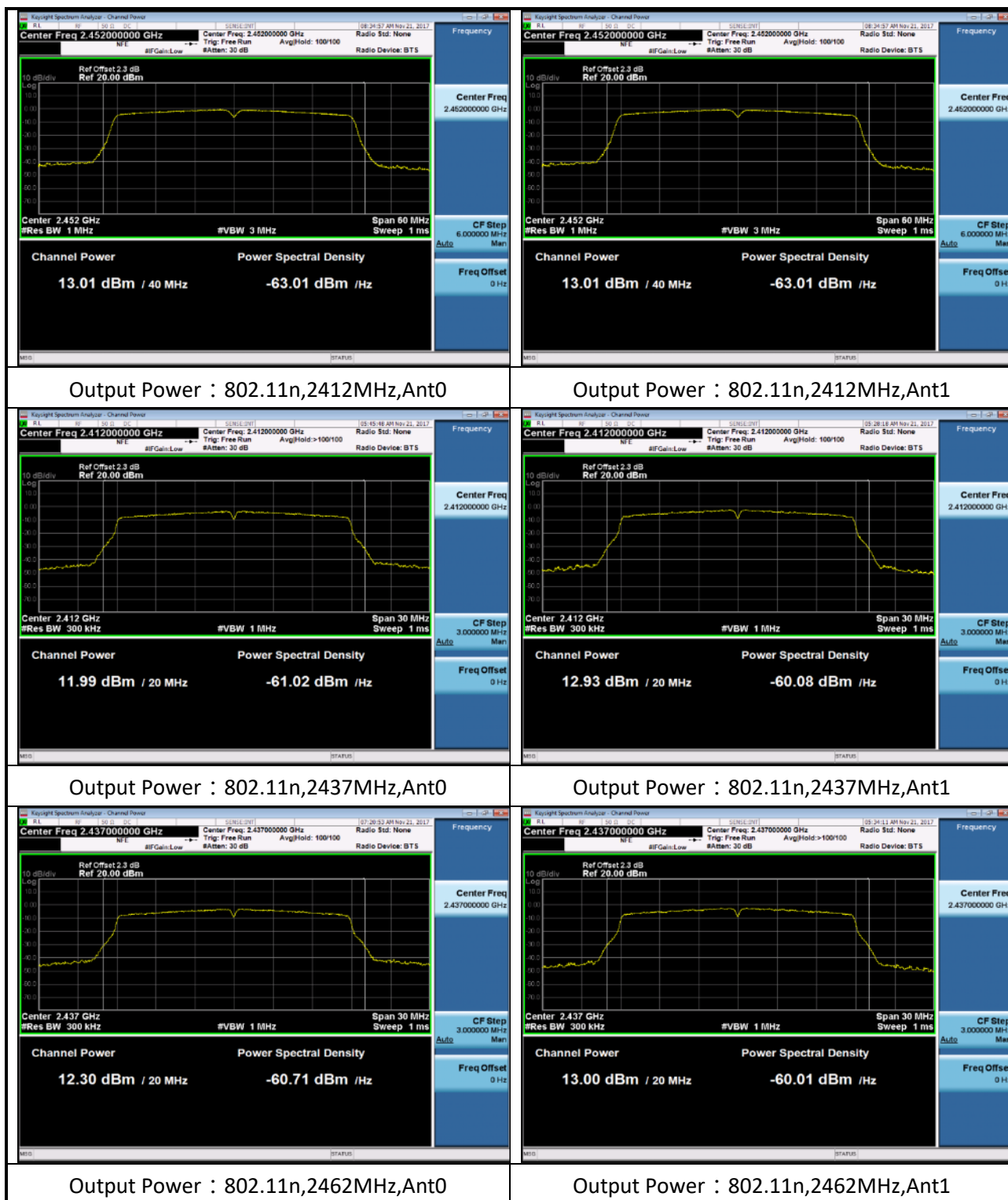
Output Power : 802.11n(40MHz),2437MHz,Ant0

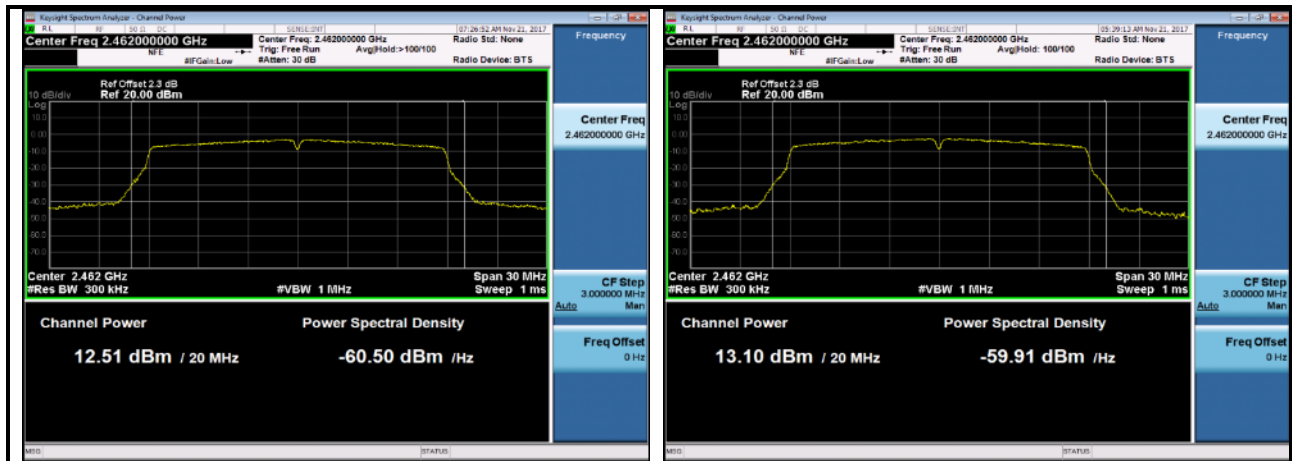
Output Power : 802.11n(40MHz),2437MHz,Ant1



Output Power : 802.11n(40MHz),2452MHz,Ant0

Output Power : 802.11n(40MHz),2452MHz,Ant1





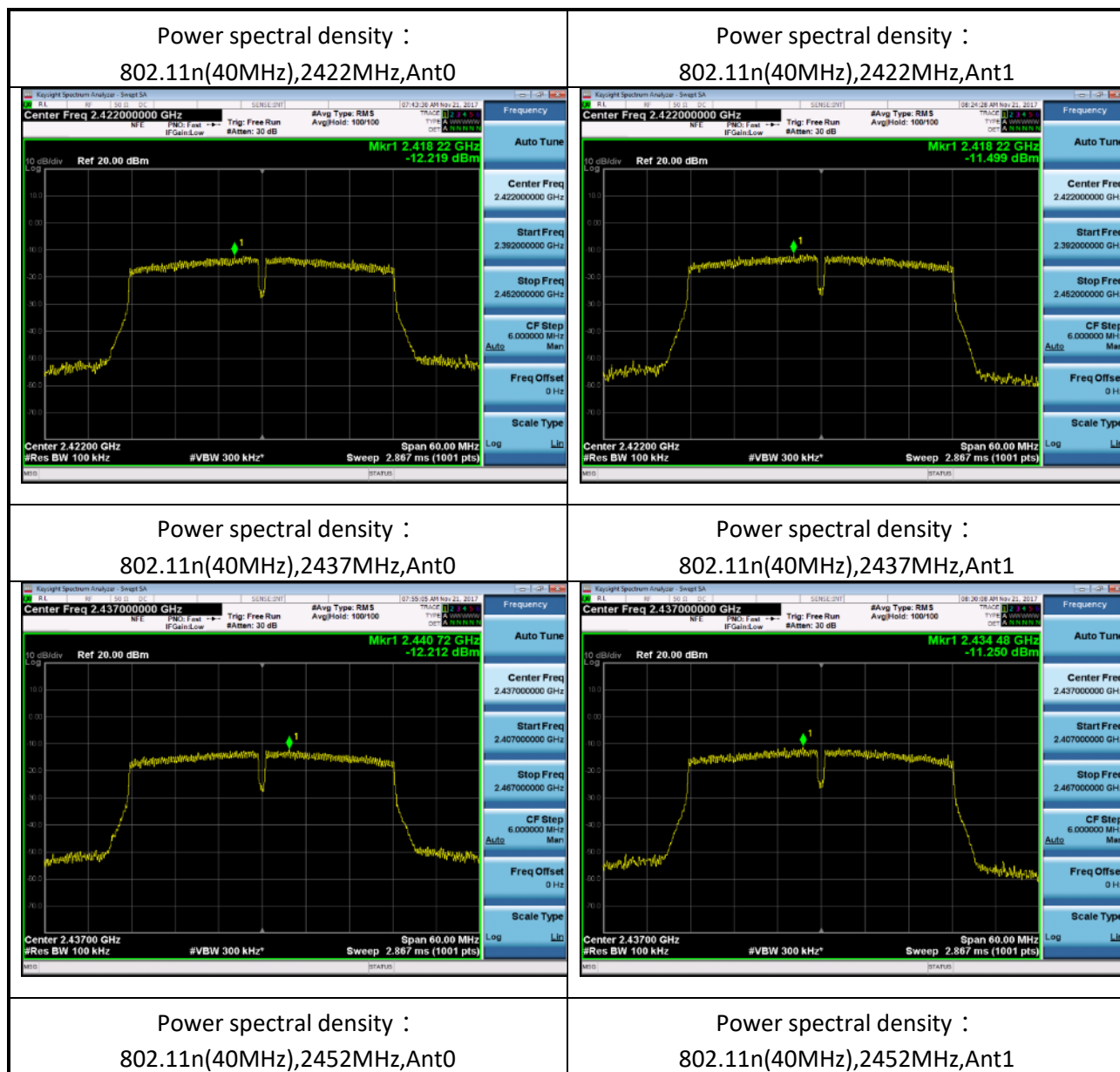
5. Power spectrum density

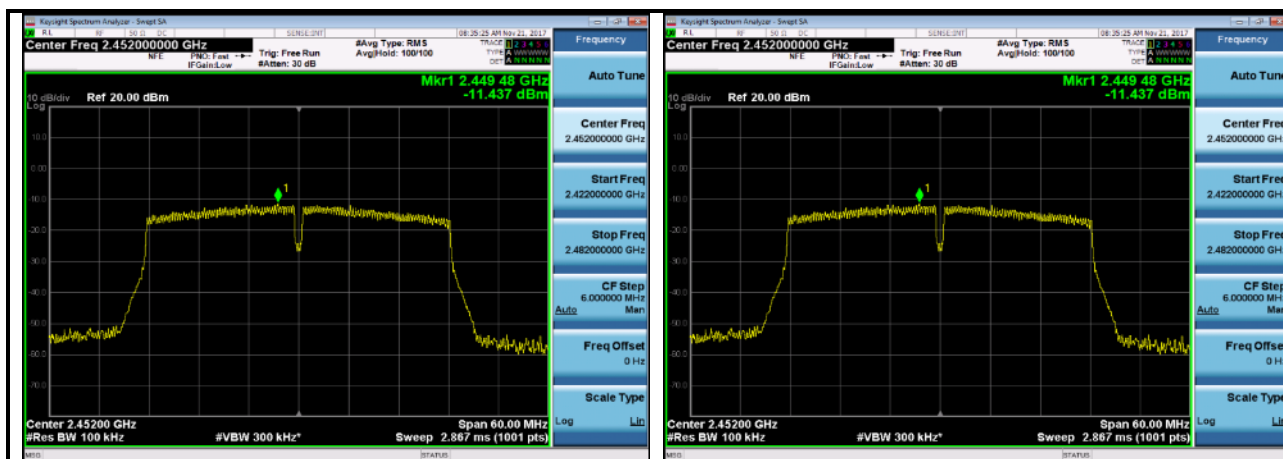
5.1 Test Data

WLAN AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm /3kHz)	Total PSD dBm /3kHz)	Limit (dBm /3kHz)	Result
802.11b	2412	Ant0	0.00	-2.104	-1.419	8	Pass
802.11b	2412	Ant1	0.00	-1.419			
802.11b	2437	Ant0	0.00	-1.655	-1.558	8	Pass
802.11b	2437	Ant1	0.00	-1.558			
802.11b	2462	Ant0	0.00	-1.472	-1.002	8	Pass
802.11b	2462	Ant1	0.00	-1.002			
802.11g	2412	Ant0	0.10	-5.162	-4.658	8	Pass
802.11g	2412	Ant1	0.12	-4.658			
802.11g	2437	Ant0	0.12	-4.741	-4.419	8	Pass
802.11g	2437	Ant1	0.10	-4.419			
802.11g	2462	Ant0	0.10	-4.879	-4.169	8	Pass
802.11g	2462	Ant1	0.10	-4.169			
802.11n(HT20)	2412	Ant0	0.11	-6.991	-3.796	8	Pass
802.11n(HT20)	2412	Ant1	0.11	-6.629			
802.11n(HT20)	2437	Ant0	0.11	-7.427	-4.006	8	Pass
802.11n(HT20)	2437	Ant1	0.11	-6.641			
802.11n(HT20)	2462	Ant0	0.13	-7.464	-3.896	8	Pass
802.11n(HT20)	2462	Ant1	0.11	-6.412			
802.11n(HT40)	2422	Ant0	0.26	-12.091	-8.874	8	Pass
802.11n(HT40)	2422	Ant1	0.22	-11.687			
802.11n(HT40)	2437	Ant0	0.22	-12.402	-9.070	8	Pass
802.11n(HT40)	2437	Ant1	0.22	-11.780			
802.11n(HT40)	2452	Ant0	0.22	-12.218	-9.092	8	Pass
802.11n(HT40)	2452	Ant1	0.22	-11.990			

5.2 Test Plots

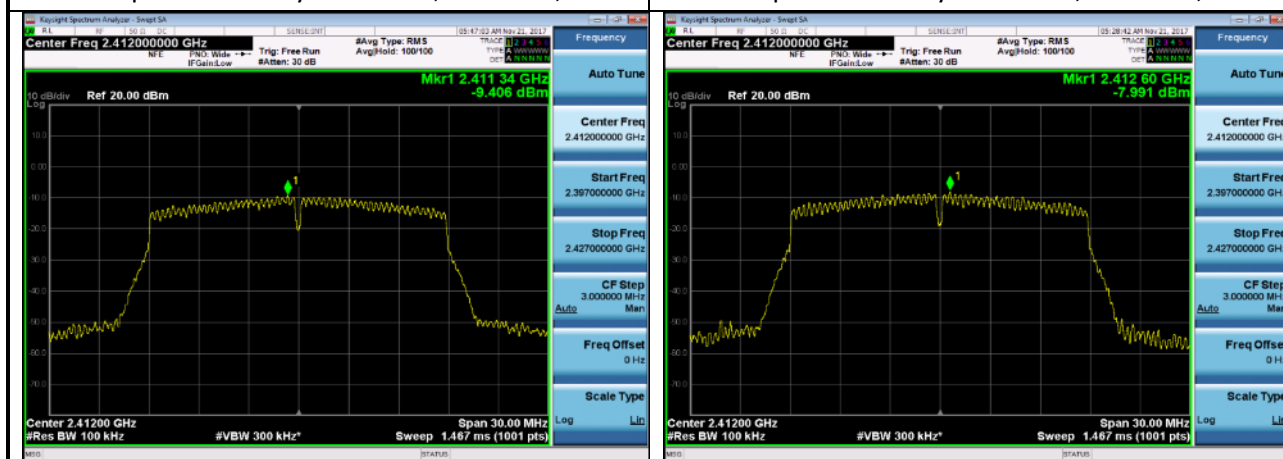






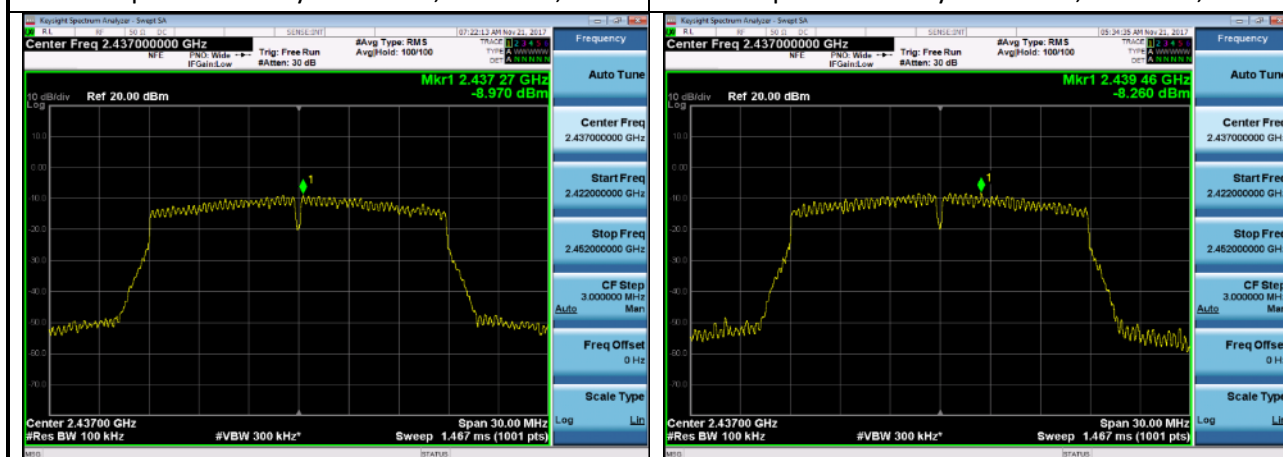
Power spectral density : 802.11n,2412MHz,Ant0

Power spectral density : 802.11n,2412MHz,Ant1



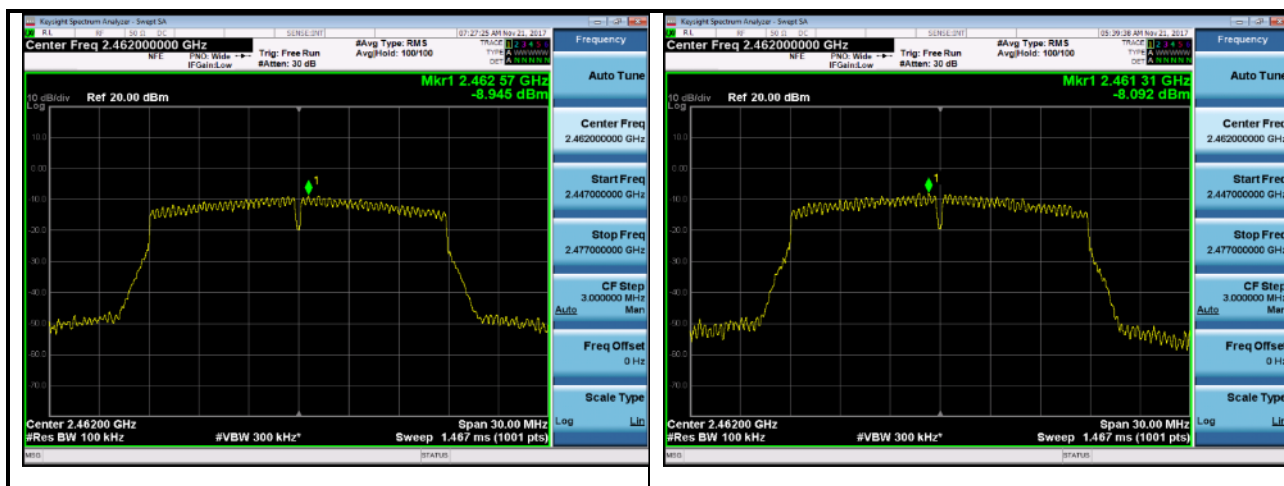
Power spectral density : 802.11n,2437MHz,Ant0

Power spectral density : 802.11n,2437MHz,Ant1



Power spectral density : 802.11n,2462MHz,Ant0

Power spectral density : 802.11n,2462MHz,Ant1



6. Emission outside the frequency band

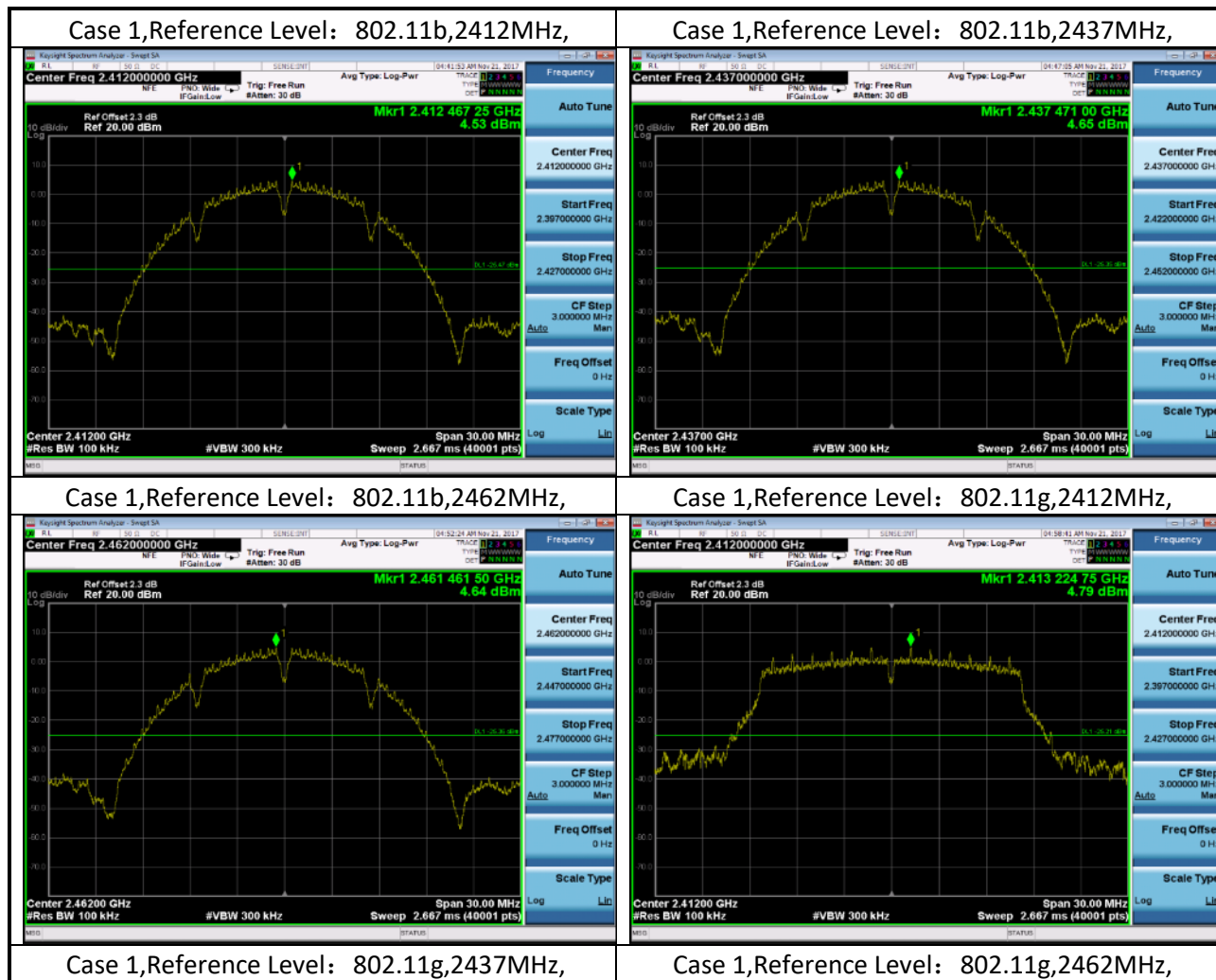
6.1 Test Data

WLAN Transmitter Spurious Emission					
Mode	Test Frequency(MHz)	Test No.	Frequency Range	Power(dBm)	Result
802.11b	2412	1	Reference Level	4.53	Pass
802.11b	2412	2	Band Edge	-41.13	Pass
802.11b	2412	3	1MHz~2310MHz	-56.00	Pass
802.11b	2412	4	2500MHz~5000MHz	-47.00	Pass
802.11b	2412	5	5000MHz~25000MHz	-43.00	Pass
802.11b	2437	1	Reference Level	4.65	Pass
802.11b	2437	2	Band Edge	-56.02	Pass
802.11b	2437	3	1MHz~2310MHz	-56.00	Pass
802.11b	2437	4	2500MHz~5000MHz	-49.00	Pass
802.11b	2437	5	5000MHz~25000MHz	-42.00	Pass
802.11b	2462	1	Reference Level	4.64	Pass
802.11b	2462	2	Band Edge	-55.23	Pass
802.11b	2462	3	1MHz~2310MHz	-55.00	Pass
802.11b	2462	4	2500MHz~5000MHz	-49.00	Pass
802.11b	2462	5	5000MHz~25000MHz	-42.00	Pass
802.11g	2412	1	Reference Level	4.79	Pass
802.11g	2412	2	Band Edge	-29.96	Pass
802.11g	2412	3	1MHz~2310MHz	-54.00	Pass
802.11g	2412	4	2500MHz~5000MHz	-51.00	Pass
802.11g	2412	5	5000MHz~25000MHz	-42.00	Pass
802.11g	2437	1	Reference Level	4.90	Pass
802.11g	2437	2	Band Edge	-54.61	Pass
802.11g	2437	3	1MHz~2310MHz	-55.00	Pass
802.11g	2437	4	2500MHz~5000MHz	-53.00	Pass
802.11g	2437	5	5000MHz~25000MHz	-42.00	Pass
802.11g	2462	1	Reference Level	4.66	Pass

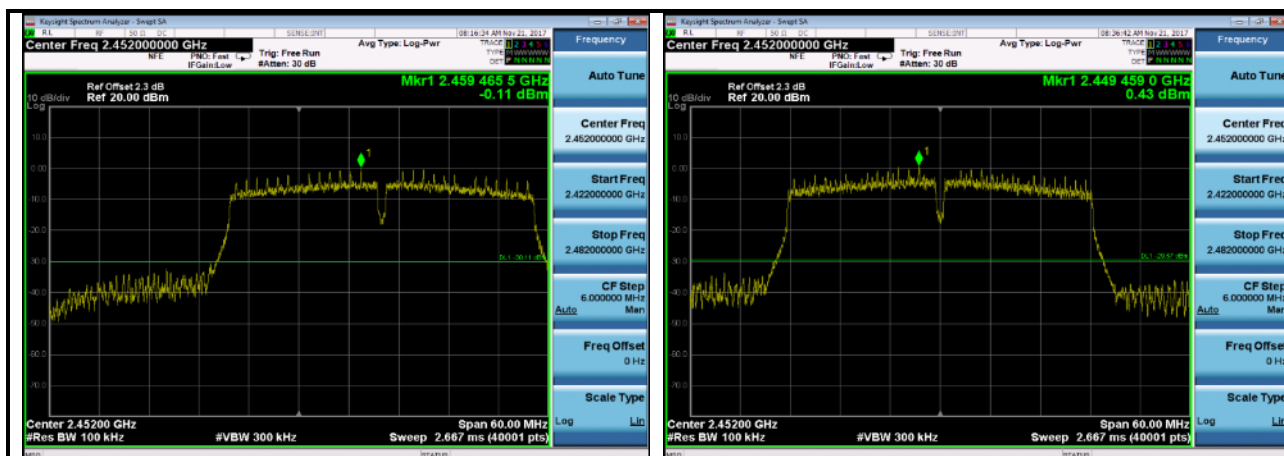
802.11g	2462	2	Band Edge	-44.29	Pass
802.11g	2462	3	1MHz~2310MHz	-54.00	Pass
802.11g	2462	4	2500MHz~5000MHz	-53.00	Pass
802.11g	2462	5	5000MHz~25000MHz	-42.00	Pass
802.11n(HT20)	2412	1	Reference Level	1.75	Pass
802.11n(HT20)	2412	2	Band Edge	-34.48	Pass
802.11n(HT20)	2412	3	1MHz~2310MHz	-55.00	Pass
802.11n(HT20)	2412	4	2500MHz~5000MHz	-53.00	Pass
802.11n(HT20)	2412	5	5000MHz~25000MHz	-42.00	Pass
802.11n(HT20)	2437	1	Reference Level	1.88	Pass
802.11n(HT20)	2437	2	Band Edge	-55.22	Pass
802.11n(HT20)	2437	3	1MHz~2310MHz	-53.00	Pass
802.11n(HT20)	2437	4	2500MHz~5000MHz	-53.00	Pass
802.11n(HT20)	2437	5	5000MHz~25000MHz	-42.00	Pass
802.11n(HT20)	2462	1	Reference Level	2.23	Pass
802.11n(HT20)	2462	2	Band Edge	-46.92	Pass
802.11n(HT20)	2462	3	1MHz~2310MHz	-56.00	Pass
802.11n(HT20)	2462	4	2500MHz~5000MHz	-53.00	Pass
802.11n(HT20)	2462	5	5000MHz~25000MHz	-42.00	Pass
802.11n(HT40)	2422	1	Reference Level	0.08	Pass
802.11n(HT40)	2422	2	Band Edge	-35.41	Pass
802.11n(HT40)	2422	3	1MHz~2310MHz	-45.00	Pass
802.11n(HT40)	2422	4	2500MHz~5000MHz	-53.00	Pass
802.11n(HT40)	2422	5	5000MHz~25000MHz	-42.00	Pass
802.11n(HT40)	2437	1	Reference Level	0.21	Pass
802.11n(HT40)	2437	2	Band Edge	-39.58	Pass
802.11n(HT40)	2437	3	1MHz~2310MHz	-45.00	Pass
802.11n(HT40)	2437	4	2500MHz~5000MHz	-53.00	Pass
802.11n(HT40)	2437	5	5000MHz~25000MHz	-42.00	Pass
802.11n(HT40)	2452	1	Reference Level	0.43	Pass

802.11n(HT40)	2452	2	Band Edge	-37.58	Pass
802.11n(HT40)	2452	3	1MHz~2310MHz	-45.00	Pass
802.11n(HT40)	2452	4	2500MHz~5000MHz	-53.00	Pass
802.11n(HT40)	2452	5	5000MHz~25000MHz	-42.00	Pass

9.2 Test Plots

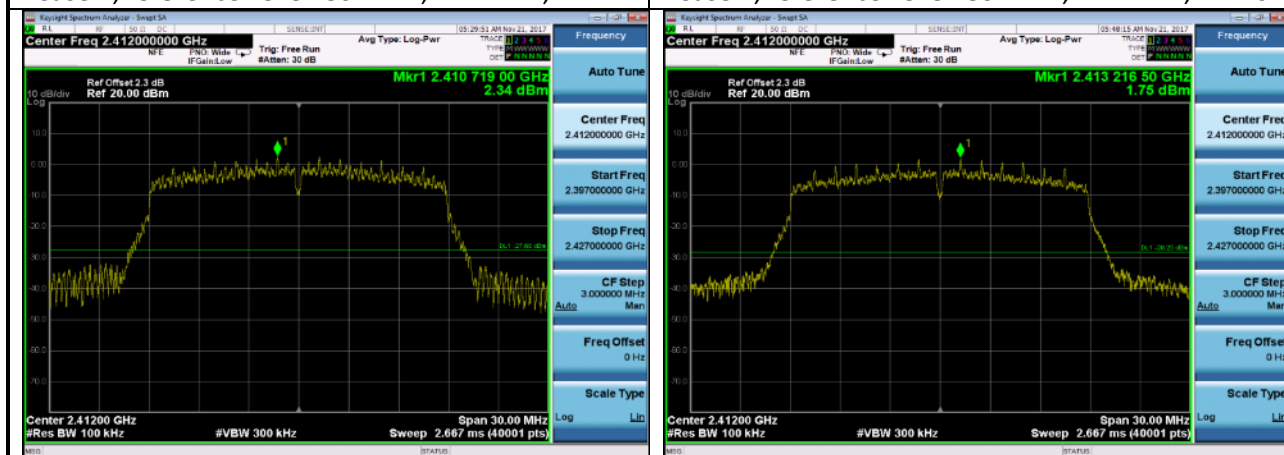






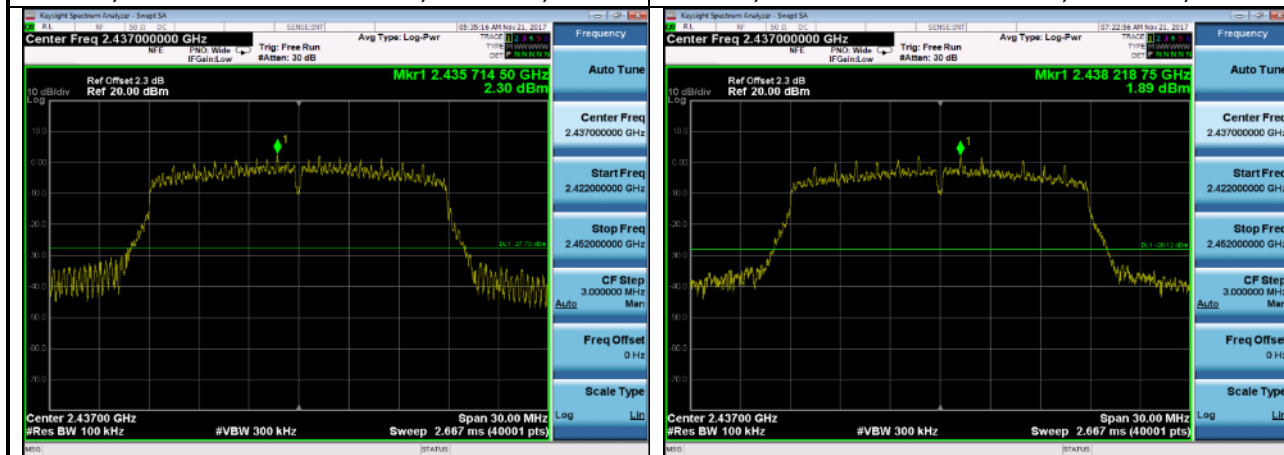
Case 1,Reference Level: 802.11n,2412MHz, ANT 1

Case 1,Reference Level: 802.11n,2412MHz, ANT 0



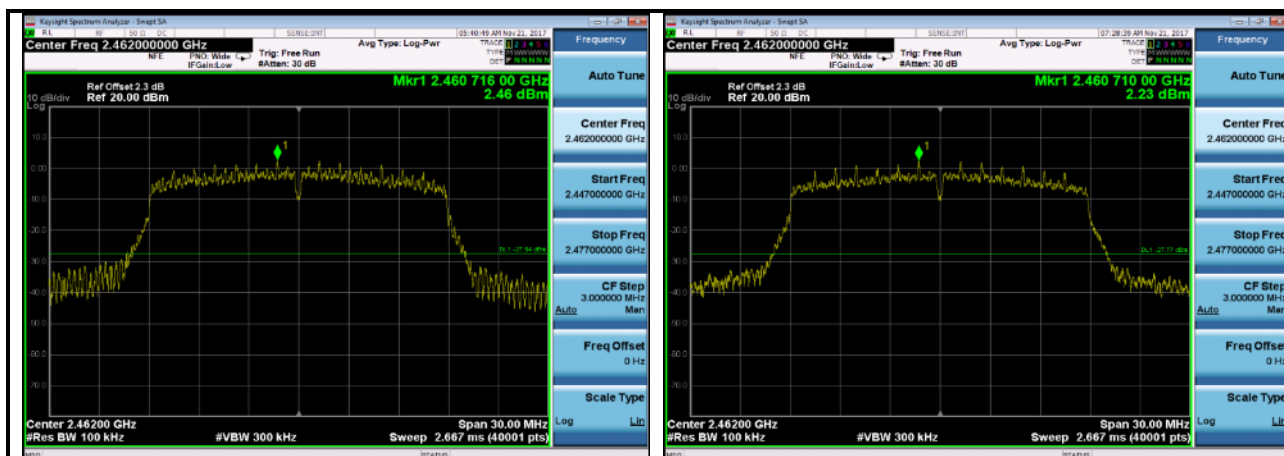
Case 1,Reference Level: 802.11n,2437MHz, ANT 1

Case 1,Reference Level: 802.11n,2437MHz, ANT 0



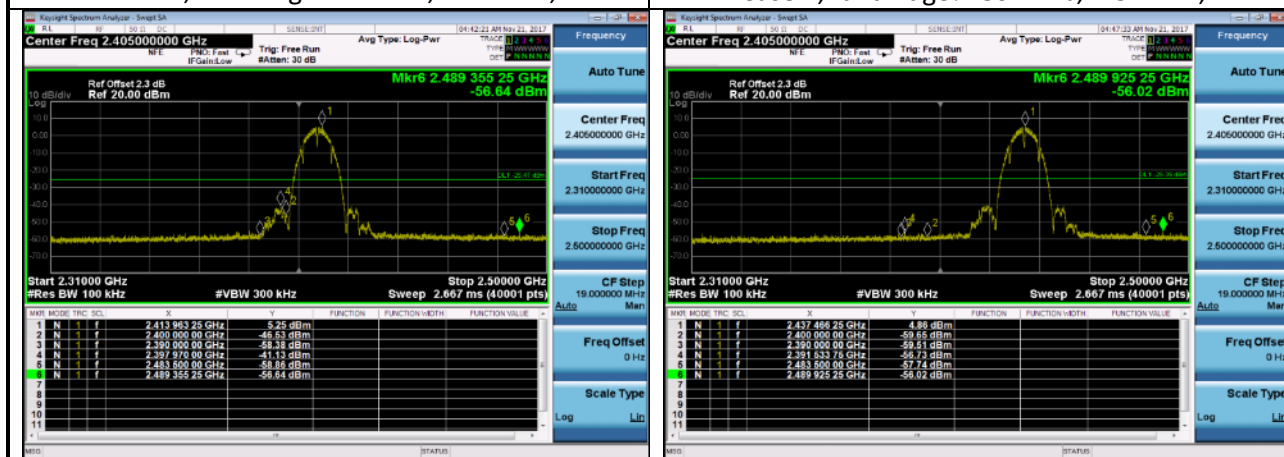
Case 1,Reference Level: 802.11n,2462MHz, ANT 1

Case 1,Reference Level: 802.11n,2462MHz, ANT 0



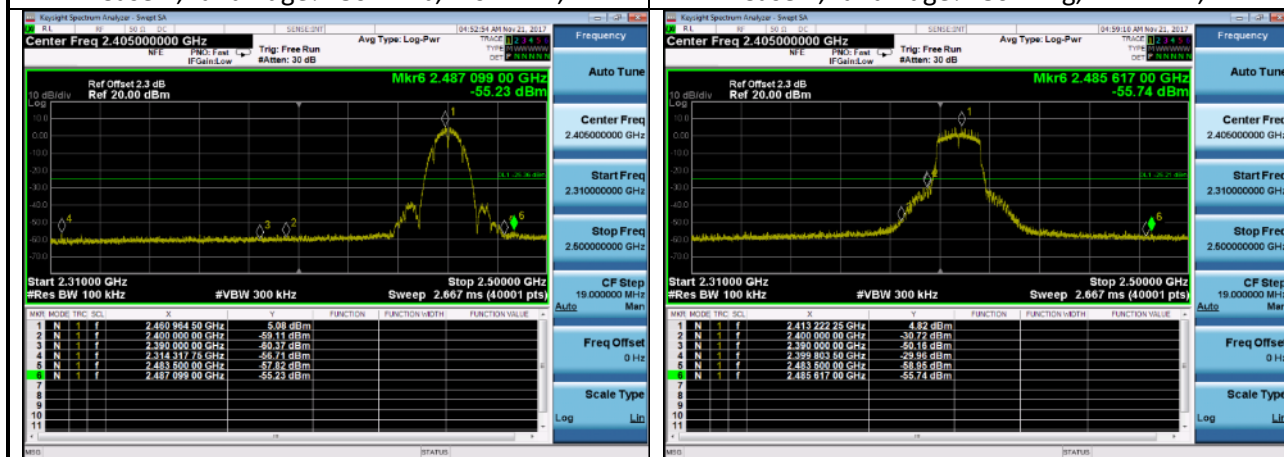
Case 2,Band Edge: 802.11b,2412MHz,

Case 2,Band Edge: 802.11b,2437MHz,



Case 2,Band Edge: 802.11b,2462MHz,

Case 2,Band Edge: 802.11g,2412MHz,



Case 2,Band Edge: 802.11g,2437MHz,

Case 2,Band Edge: 802.11g,2462MHz,

