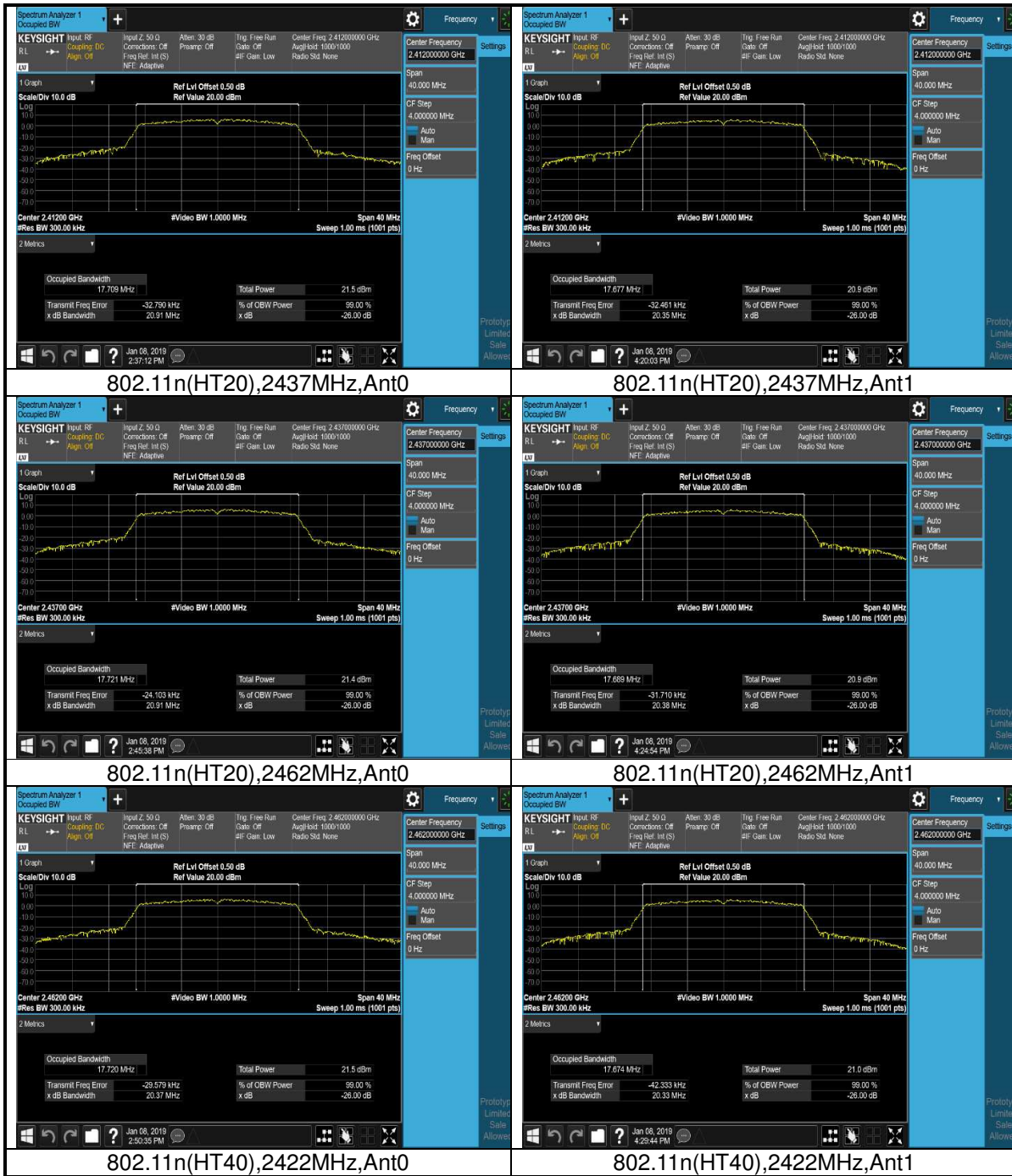
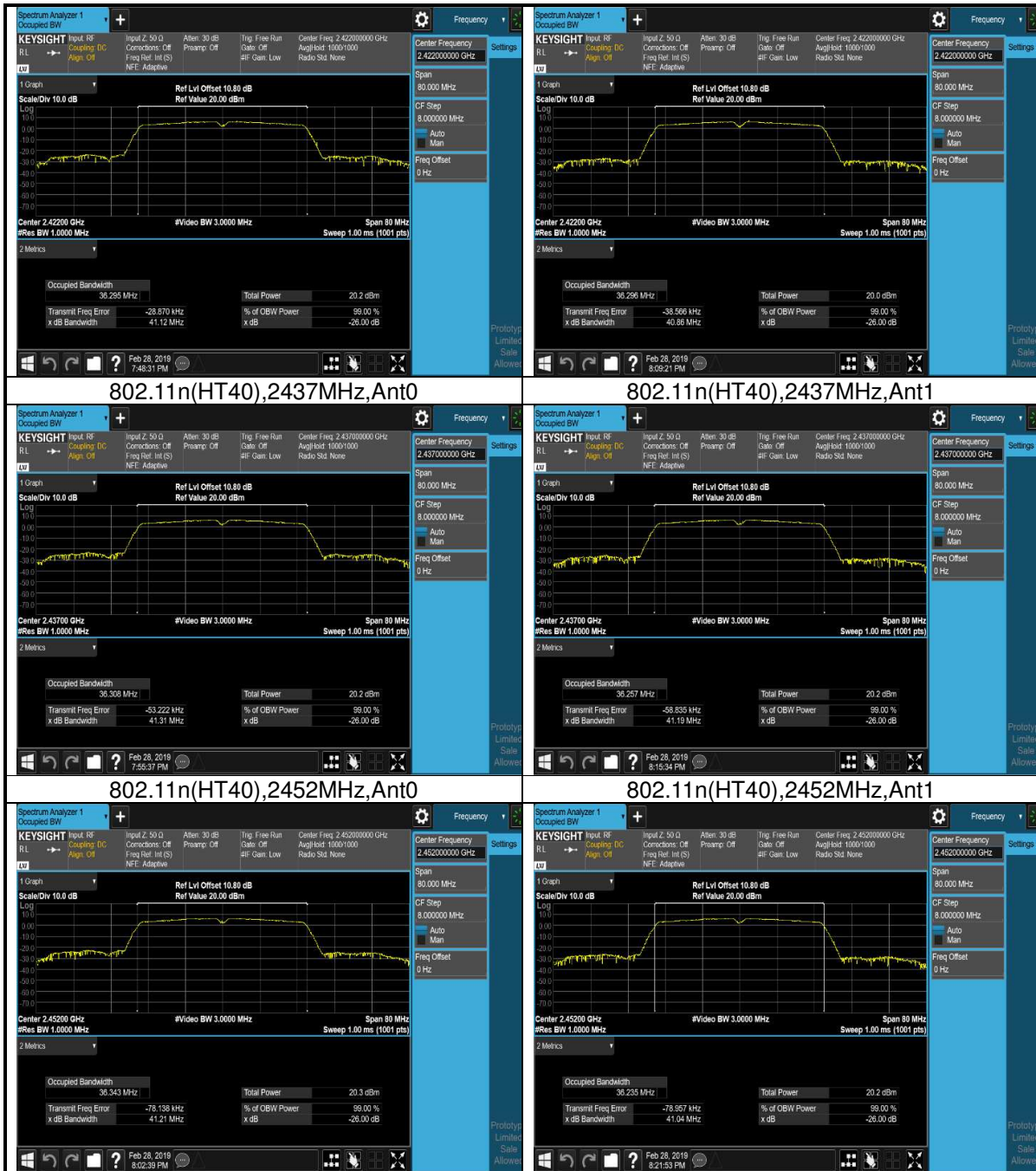


## TEST REPORT



## TEST REPORT



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

4.1 Test Data

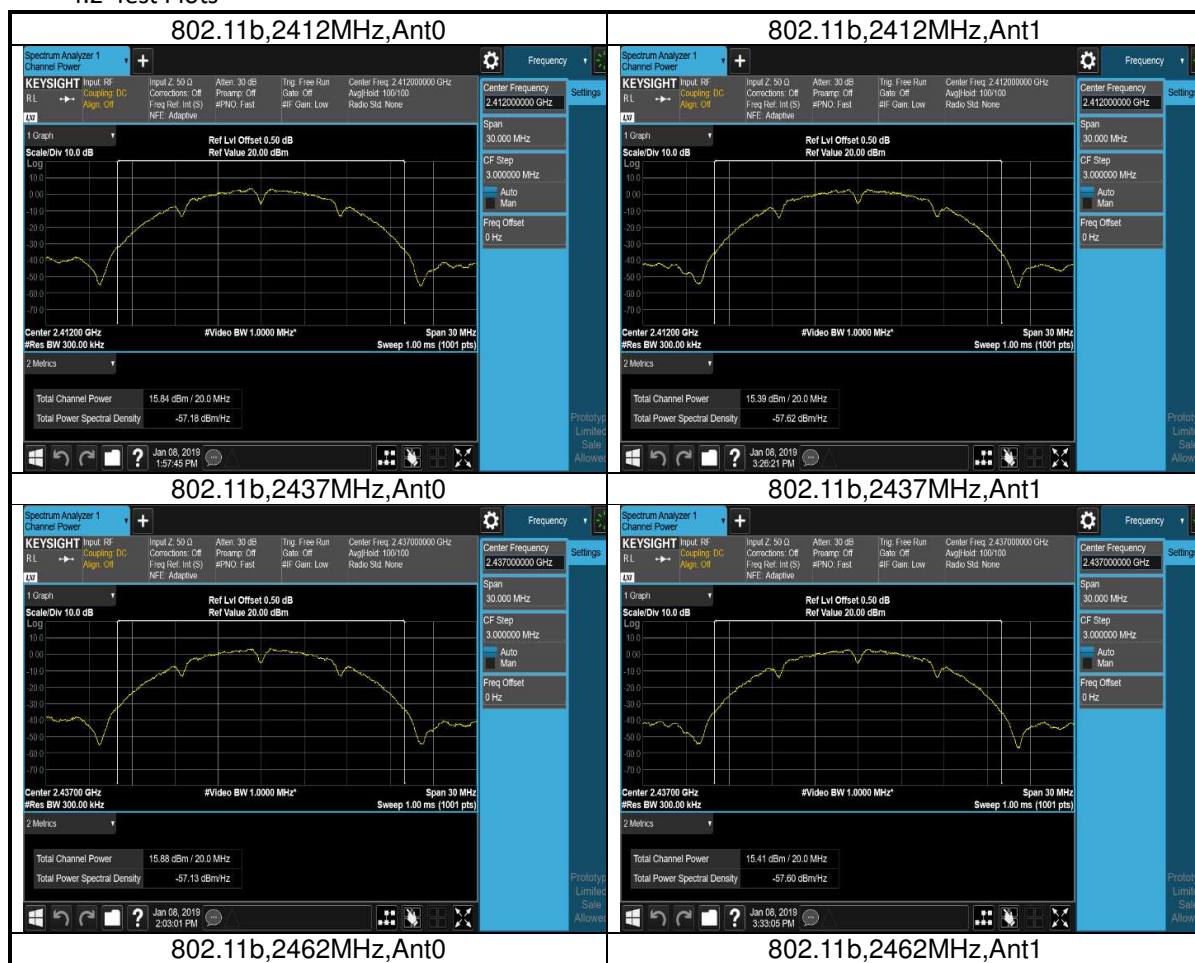
WLAN AVGSA Output Power								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Max power or Total power	Limit (dBm)	EIRP (dBm)	Result
802.11b	2412	Ant0	0.00	15.84	15.84	30	17.34	Pass
802.11b	2412	Ant1	0.00	15.39	15.39	30	16.89	Pass
802.11b	2437	Ant0	0.00	15.88	15.88	30	17.38	Pass
802.11b	2437	Ant1	0.00	15.41	15.41	30	16.91	Pass
802.11b	2462	Ant0	0.00	15.98	15.98	30	17.48	Pass
802.11b	2462	Ant1	0.00	15.49	15.49	30	16.99	Pass
802.11g	2412	Ant0	0.09	14.74	14.74	30	16.24	Pass
802.11g	2412	Ant1	0.12	14.29	14.29	30	15.79	Pass
802.11g	2437	Ant0	0.09	14.82	14.82	30	16.32	Pass
802.11g	2437	Ant1	0.12	14.14	14.14	30	15.64	Pass
802.11g	2462	Ant0	0.12	14.82	14.82	30	16.32	Pass
802.11g	2462	Ant1	0.12	14.24	14.24	30	15.74	Pass
802.11n (HT20)	2412	Ant0	0.13	14.62	17.35	30	18.85	Pass
802.11n (HT20)	2412	Ant1	0.13	14.03				
802.11n (HT20)	2437	Ant0	0.10	14.51	17.28	30	18.78	Pass
802.11n (HT20)	2437	Ant1	0.10	14.01				
802.11n (HT20)	2462	Ant0	0.10	14.58	17.39	30	18.89	Pass
802.11n (HT20)	2462	Ant1	0.13	14.17				
802.11n (HT40)	2422	Ant0	0.23	12.35	15.29	30	16.79	Pass
802.11n (HT40)	2422	Ant1	0.23	12.21				
802.11n (HT40)	2437	Ant0	0.23	12.34	15.37	30	16.87	Pass
802.11n (HT40)	2437	Ant1	0.23	12.38				
802.11n (HT40)	2452	Ant0	0.23	12.44	15.42	30	16.92	Pass
802.11n (HT40)	2452	Ant1	0.22	12.37				

## TEST REPORT

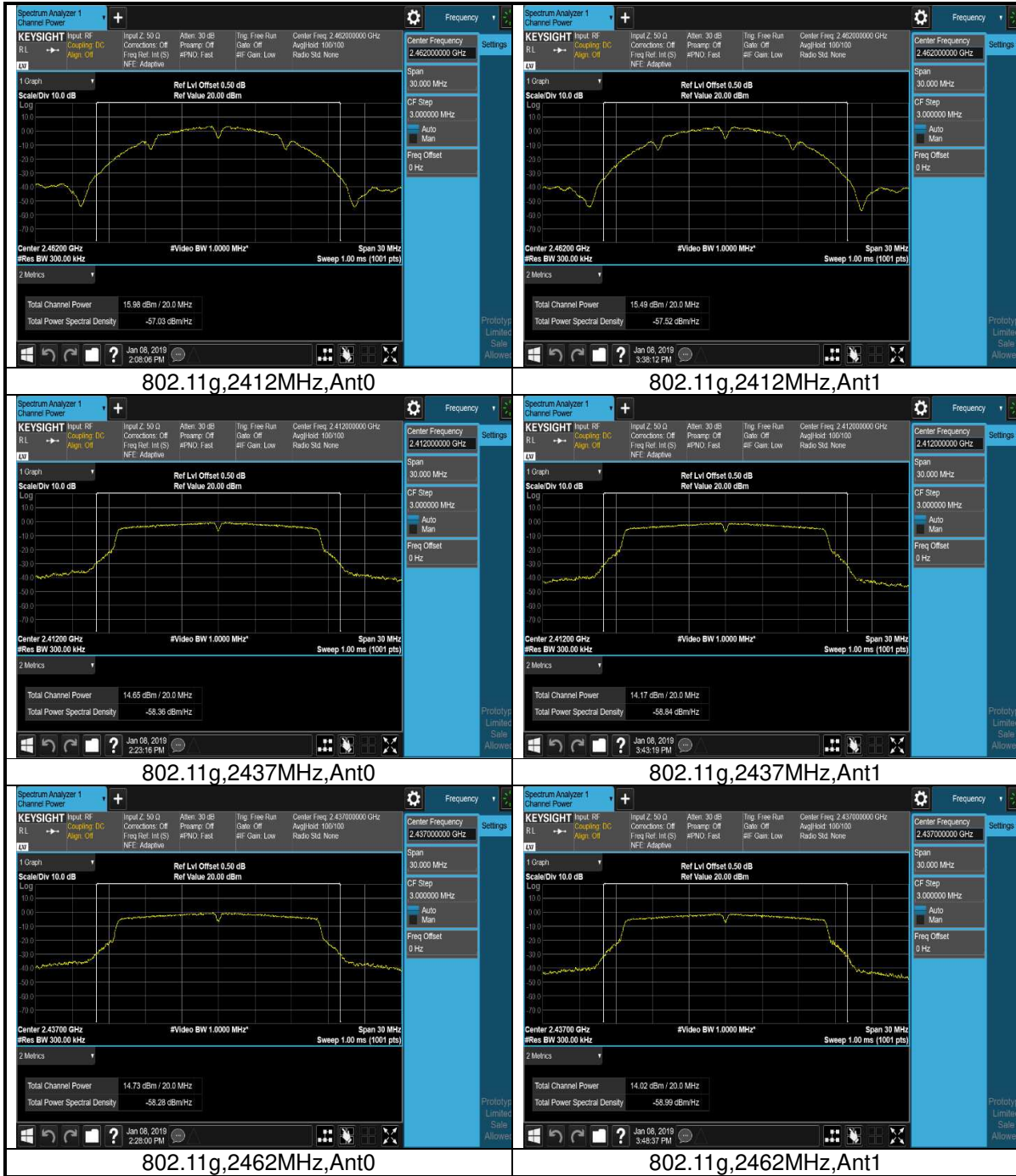
The max EIRP is calculated as below:

WLAN AVGSA Output Power								
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Max Power (dBm)	Max power or Total power	EIRP (dBm)	EIRP (W)	Result
802.11n (HT20)	2462	Ant0	0.10	14.58	17.39	18.89	0.077	Pass
802.11n (HT20)	2462	Ant1	0.13	14.17				

### 4.2 Test Plots



## TEST REPORT



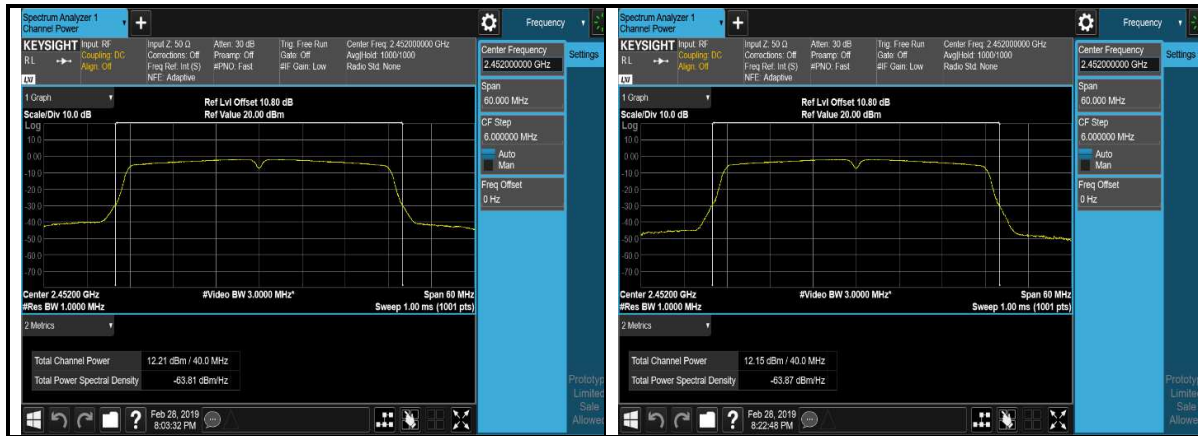
## TEST REPORT



## TEST REPORT



## TEST REPORT





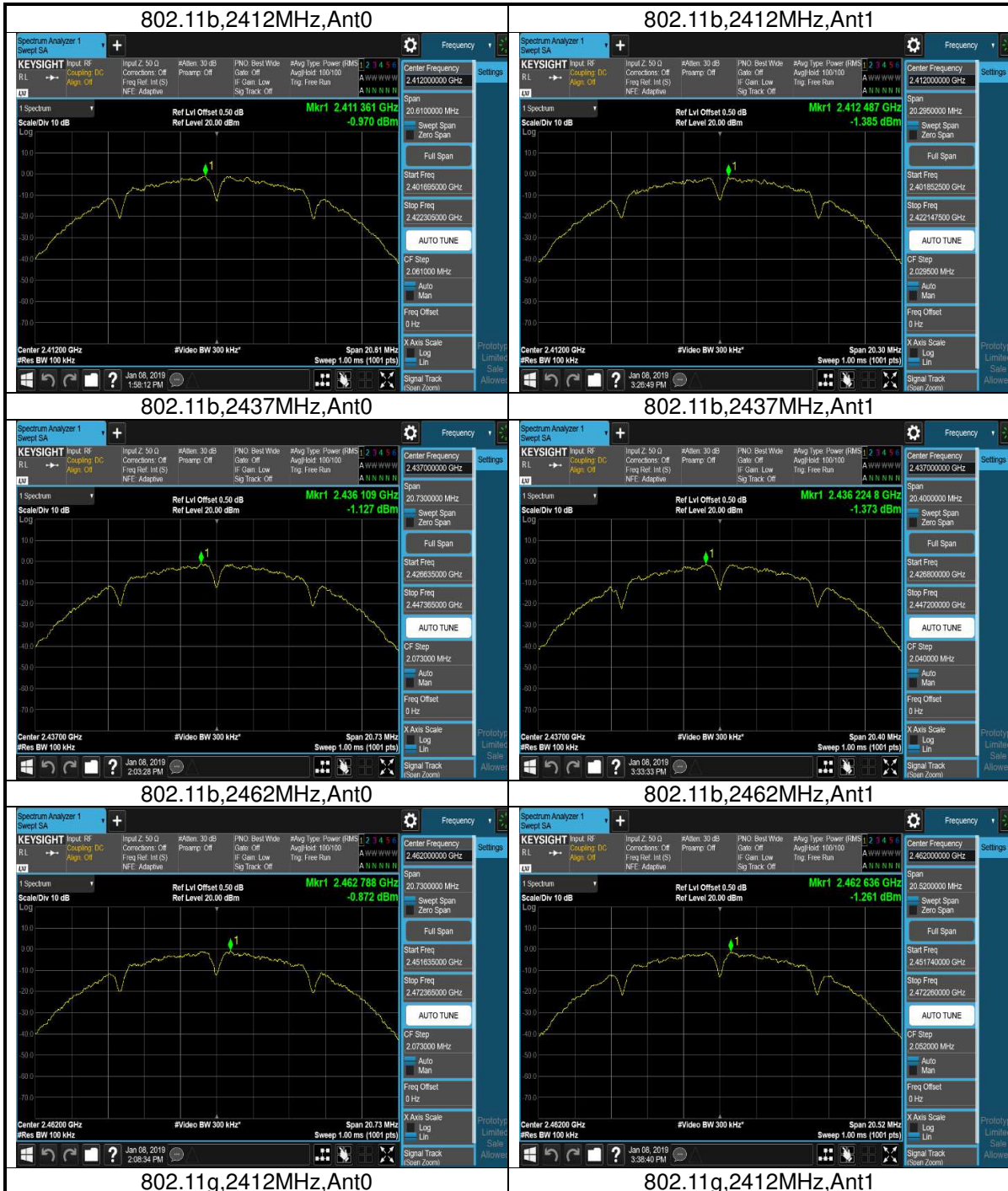
**TEST REPORT**

5. Power spectrum density

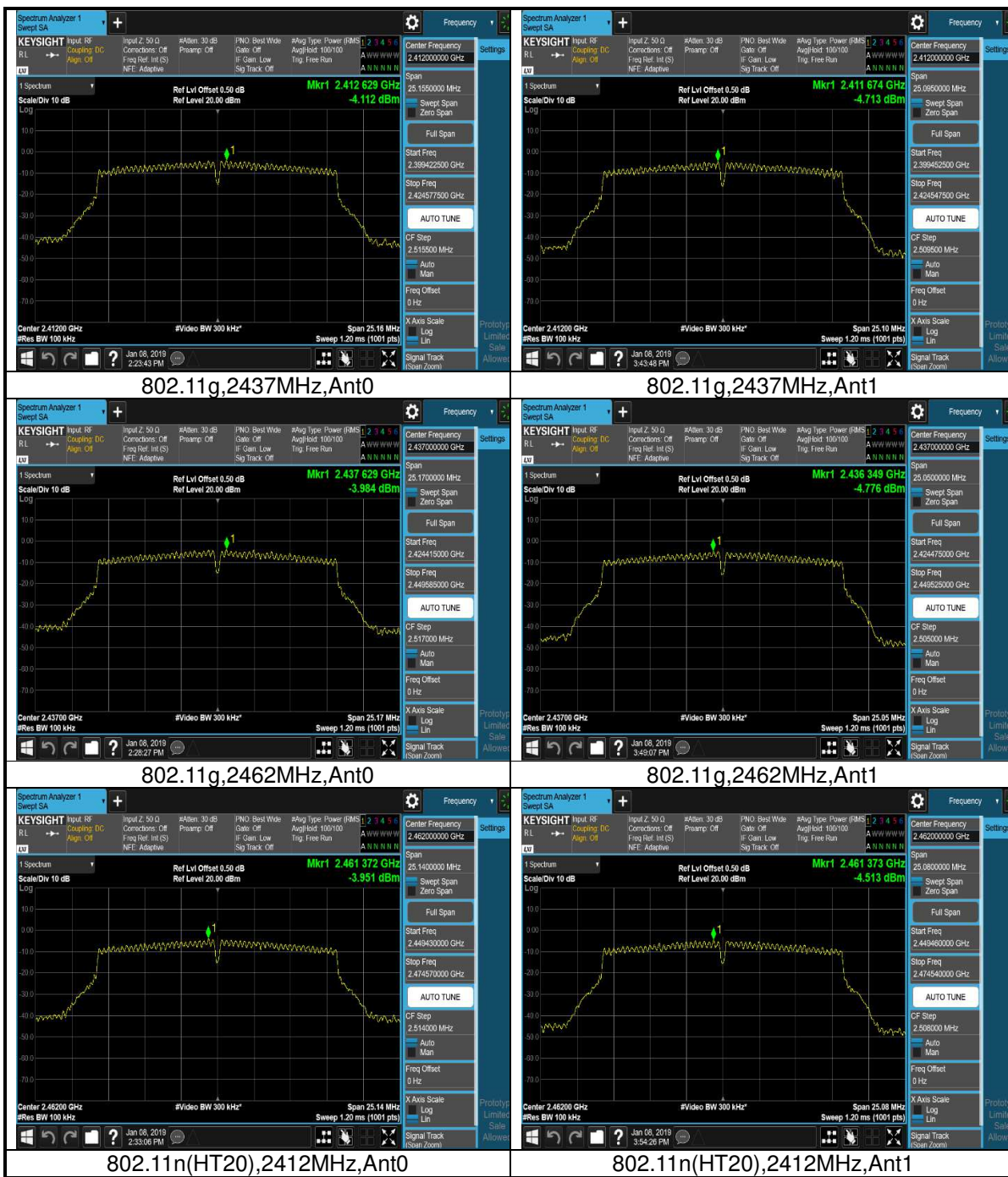
5.1 Test Data

WLAN AVGSA Power Spectral Density							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	PSD (dBm)	RBW (kHz)	Limit (dBm)	Result
802.11b	2412	Ant0	0.00	-0.970	100	8	Pass
802.11b	2412	Ant1	0.00	-1.385	100	8	Pass
802.11b	2437	Ant0	0.00	-1.127	100	8	Pass
802.11b	2437	Ant1	0.00	-1.373	100	8	Pass
802.11b	2462	Ant0	0.00	-0.872	100	8	Pass
802.11b	2462	Ant1	0.00	-1.261	100	8	Pass
802.11g	2412	Ant0	0.09	-4.022	100	8	Pass
802.11g	2412	Ant1	0.12	-4.593	100	8	Pass
802.11g	2437	Ant0	0.09	-3.894	100	8	Pass
802.11g	2437	Ant1	0.12	-4.656	100	8	Pass
802.11g	2462	Ant0	0.12	-3.831	100	8	Pass
802.11g	2462	Ant1	0.12	-4.393	100	8	Pass
802.11n (HT20)	2412	Ant0	0.13	-4.423	100	8	Pass
802.11n (HT20)	2412	Ant1	0.13	-5.088	100	8	Pass
802.11n (HT20)	2437	Ant0	0.10	-4.449	100	8	Pass
802.11n (HT20)	2437	Ant1	0.10	-5.123	100	8	Pass
802.11n (HT20)	2462	Ant0	0.10	-4.745	100	8	Pass
802.11n (HT20)	2462	Ant1	0.13	-4.875	100	8	Pass
802.11n (HT40)	2422	Ant0	0.23	-10.300	100	8	Pass
802.11n (HT40)	2422	Ant1	0.23	-10.393	100	8	Pass
802.11n (HT40)	2437	Ant0	0.23	-10.090	100	8	Pass
802.11n (HT40)	2437	Ant1	0.23	-9.998	100	8	Pass
802.11n (HT40)	2452	Ant0	0.23	-10.140	100	8	Pass
802.11n (HT40)	2452	Ant1	0.22	-10.100	100	8	Pass

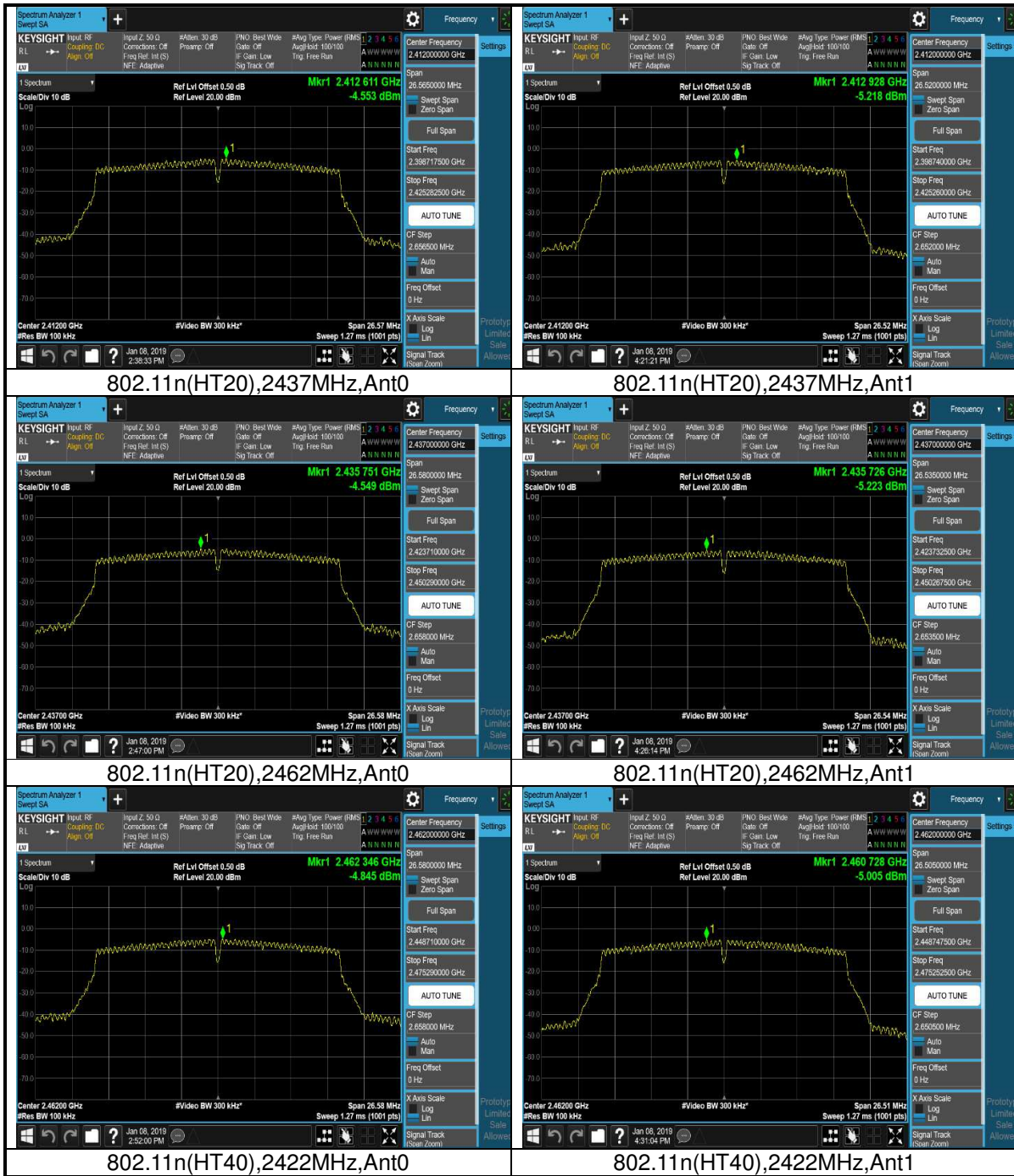
### 5.2 Test Plots



## TEST REPORT



## TEST REPORT



## TEST REPORT



**TEST REPORT**

6. Emission outside the frequency band

6.1 Test Data

WLAN Transmitter Spurious Emission						
Mode	Test Frequency (MHz)	Ant	Plot No.	Frequency Range	Emission (dBm)	Result
802.11b	2412	Ant0	1	Reference Level	6.30	Pass
802.11b	2412	Ant0	2	Band Edge	-34.59	Pass
802.11b	2412	Ant0	3	30MHz~2310MHz	-58.23	Pass
802.11b	2412	Ant0	4	2500MHz~5000MHz	-50.22	Pass
802.11b	2412	Ant0	5	5000MHz~25000MHz	-42.21	Pass
802.11b	2412	Ant1	1	Reference Level	5.65	Pass
802.11b	2412	Ant1	2	Band Edge	-38.50	Pass
802.11b	2412	Ant1	3	30MHz~2310MHz	-58.20	Pass
802.11b	2412	Ant1	4	2500MHz~5000MHz	-50.46	Pass
802.11b	2412	Ant1	5	5000MHz~25000MHz	-42.26	Pass
802.11b	2437	Ant0	1	Reference Level	6.52	Pass
802.11b	2437	Ant0	2	Band Edge	-58.81	Pass
802.11b	2437	Ant0	3	30MHz~2310MHz	-58.30	Pass
802.11b	2437	Ant0	4	2500MHz~5000MHz	-50.58	Pass
802.11b	2437	Ant0	5	5000MHz~25000MHz	-42.22	Pass
802.11b	2437	Ant1	1	Reference Level	5.67	Pass
802.11b	2437	Ant1	2	Band Edge	-57.03	Pass
802.11b	2437	Ant1	3	30MHz~2310MHz	-58.86	Pass
802.11b	2437	Ant1	4	2500MHz~5000MHz	-49.50	Pass
802.11b	2437	Ant1	5	5000MHz~25000MHz	-42.18	Pass
802.11b	2462	Ant0	1	Reference Level	6.20	Pass
802.11b	2462	Ant0	2	Band Edge	-56.29	Pass
802.11b	2462	Ant0	3	30MHz~2310MHz	-58.82	Pass
802.11b	2462	Ant0	4	2500MHz~5000MHz	-50.63	Pass
802.11b	2462	Ant0	5	5000MHz~25000MHz	-42.79	Pass
802.11b	2462	Ant1	1	Reference Level	5.76	Pass
802.11b	2462	Ant1	2	Band Edge	-55.63	Pass

**TEST REPORT**

802.11b	2462	Ant1	3	30MHz~2310MHz	-56.23	Pass
802.11b	2462	Ant1	4	2500MHz~5000MHz	-49.21	Pass
802.11b	2462	Ant1	5	5000MHz~25000MHz	-42.14	Pass
802.11g	2412	Ant0	1	Reference Level	4.36	Pass
802.11g	2412	Ant0	2	Band Edge	-29.18	Pass
802.11g	2412	Ant0	3	30MHz~2310MHz	-57.13	Pass
802.11g	2412	Ant0	4	2500MHz~5000MHz	-56.21	Pass
802.11g	2412	Ant0	5	5000MHz~25000MHz	-42.60	Pass
802.11g	2412	Ant1	1	Reference Level	3.72	Pass
802.11g	2412	Ant1	2	Band Edge	-32.28	Pass
802.11g	2412	Ant1	3	30MHz~2310MHz	-56.69	Pass
802.11g	2412	Ant1	4	2500MHz~5000MHz	-55.83	Pass
802.11g	2412	Ant1	5	5000MHz~25000MHz	-42.35	Pass
802.11g	2437	Ant0	1	Reference Level	4.30	Pass
802.11g	2437	Ant0	2	Band Edge	-55.63	Pass
802.11g	2437	Ant0	3	30MHz~2310MHz	-57.81	Pass
802.11g	2437	Ant0	4	2500MHz~5000MHz	-55.26	Pass
802.11g	2437	Ant0	5	5000MHz~25000MHz	-42.29	Pass
802.11g	2437	Ant1	1	Reference Level	3.62	Pass
802.11g	2437	Ant1	2	Band Edge	-54.08	Pass
802.11g	2437	Ant1	3	30MHz~2310MHz	-57.80	Pass
802.11g	2437	Ant1	4	2500MHz~5000MHz	-55.12	Pass
802.11g	2437	Ant1	5	5000MHz~25000MHz	-42.47	Pass
802.11g	2462	Ant0	1	Reference Level	4.28	Pass
802.11g	2462	Ant0	2	Band Edge	-46.58	Pass
802.11g	2462	Ant0	3	30MHz~2310MHz	-57.75	Pass
802.11g	2462	Ant0	4	2500MHz~5000MHz	-55.63	Pass
802.11g	2462	Ant0	5	5000MHz~25000MHz	-42.38	Pass
802.11g	2462	Ant1	1	Reference Level	3.60	Pass
802.11g	2462	Ant1	2	Band Edge	-48.63	Pass
802.11g	2462	Ant1	3	30MHz~2310MHz	-57.31	Pass
802.11g	2462	Ant1	4	2500MHz~5000MHz	-55.13	Pass

**TEST REPORT**

802.11g	2462	Ant1	5	5000MHz~25000MHz	-42.33	Pass
802.11n (HT20)	2412	Ant0	1	Reference Level	4.26	Pass
802.11n (HT20)	2412	Ant0	2	Band Edge	-31.11	Pass
802.11n (HT20)	2412	Ant0	3	30MHz~2310MHz	-57.02	Pass
802.11n (HT20)	2412	Ant0	4	2500MHz~5000MHz	-55.22	Pass
802.11n (HT20)	2412	Ant0	5	5000MHz~25000MHz	-42.04	Pass
802.11n (HT20)	2412	Ant1	1	Reference Level	3.52	Pass
802.11n (HT20)	2412	Ant1	2	Band Edge	-32.56	Pass
802.11n (HT20)	2412	Ant1	3	30MHz~2310MHz	-43.91	Pass
802.11n (HT20)	2412	Ant1	4	2500MHz~5000MHz	-55.90	Pass
802.11n (HT20)	2412	Ant1	5	5000MHz~25000MHz	-41.94	Pass
802.11n (HT20)	2437	Ant0	1	Reference Level	4.20	Pass
802.11n (HT20)	2437	Ant0	2	Band Edge	-53.45	Pass
802.11n (HT20)	2437	Ant0	3	30MHz~2310MHz	-57.44	Pass
802.11n (HT20)	2437	Ant0	4	2500MHz~5000MHz	-55.57	Pass
802.11n (HT20)	2437	Ant0	5	5000MHz~25000MHz	-41.79	Pass
802.11n (HT20)	2437	Ant1	1	Reference Level	3.64	Pass
802.11n (HT20)	2437	Ant1	2	Band Edge	-54.09	Pass
802.11n (HT20)	2437	Ant1	3	30MHz~2310MHz	-50.69	Pass
802.11n (HT20)	2437	Ant1	4	2500MHz~5000MHz	-55.12	Pass
802.11n (HT20)	2437	Ant1	5	5000MHz~25000MHz	-42.64	Pass
802.11n (HT20)	2462	Ant0	1	Reference Level	4.28	Pass
802.11n (HT20)	2462	Ant0	2	Band Edge	-42.56	Pass
802.11n (HT20)	2462	Ant0	3	30MHz~2310MHz	-57.60	Pass
802.11n (HT20)	2462	Ant0	4	2500MHz~5000MHz	-55.69	Pass
802.11n (HT20)	2462	Ant0	5	5000MHz~25000MHz	-42.27	Pass
802.11n (HT20)	2462	Ant1	1	Reference Level	3.79	Pass



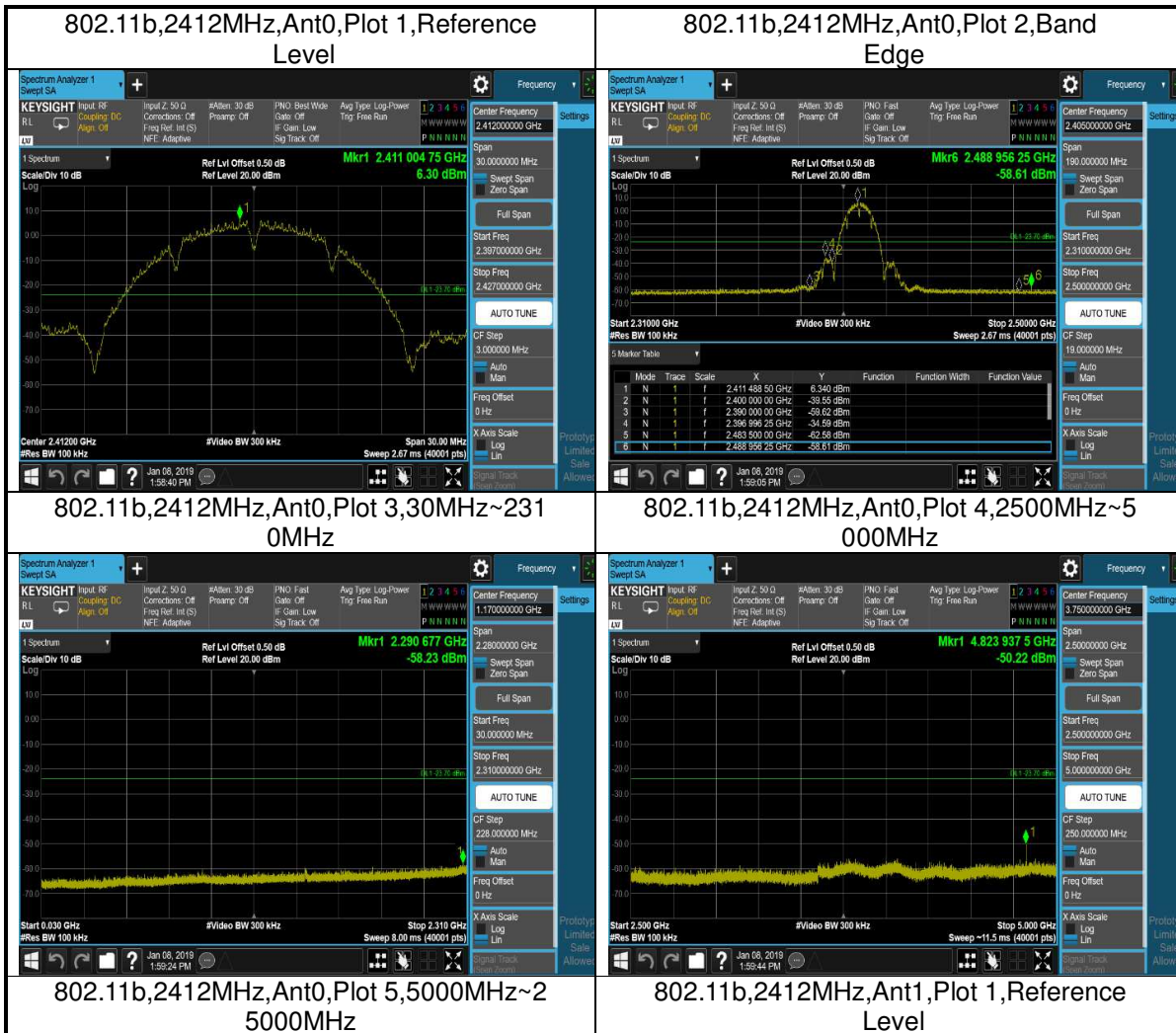
**TEST REPORT**

802.11n (HT20)	2462	Ant1	2	Band Edge	-49.86	Pass
802.11n (HT20)	2462	Ant1	3	30MHz~2310MHz	-57.70	Pass
802.11n (HT20)	2462	Ant1	4	2500MHz~5000MHz	-55.01	Pass
802.11n (HT20)	2462	Ant1	5	5000MHz~25000MHz	-42.30	Pass
802.11n (HT40)	2422	Ant0	1	Reference Level	-0.70	Pass
802.11n (HT40)	2422	Ant0	2	Band Edge	-35.52	Pass
802.11n (HT40)	2422	Ant0	3	30MHz~2310MHz	-57.51	Pass
802.11n (HT40)	2422	Ant0	4	2500MHz~5000MHz	-55.23	Pass
802.11n (HT40)	2422	Ant0	5	5000MHz~25000MHz	-41.80	Pass
802.11n (HT40)	2422	Ant1	1	Reference Level	-1.06	Pass
802.11n (HT40)	2422	Ant1	2	Band Edge	-38.87	Pass
802.11n (HT40)	2422	Ant1	3	30MHz~2310MHz	-57.15	Pass
802.11n (HT40)	2422	Ant1	4	2500MHz~5000MHz	-55.90	Pass
802.11n (HT40)	2422	Ant1	5	5000MHz~25000MHz	-41.50	Pass
802.11n (HT40)	2437	Ant0	1	Reference Level	-0.61	Pass
802.11n (HT40)	2437	Ant0	2	Band Edge	-41.53	Pass
802.11n (HT40)	2437	Ant0	3	30MHz~2310MHz	-56.60	Pass
802.11n (HT40)	2437	Ant0	4	2500MHz~5000MHz	-54.92	Pass
802.11n (HT40)	2437	Ant0	5	5000MHz~25000MHz	-41.86	Pass
802.11n (HT40)	2437	Ant1	1	Reference Level	-0.89	Pass
802.11n (HT40)	2437	Ant1	2	Band Edge	-44.32	Pass
802.11n (HT40)	2437	Ant1	3	30MHz~2310MHz	-57.74	Pass
802.11n (HT40)	2437	Ant1	4	2500MHz~5000MHz	-54.51	Pass
802.11n (HT40)	2437	Ant1	5	5000MHz~25000MHz	-41.55	Pass
802.11n (HT40)	2452	Ant0	1	Reference Level	-0.76	Pass
802.11n (HT40)	2452	Ant0	2	Band Edge	-38.91	Pass
802.11n (HT40)	2452	Ant0	3	30MHz~2310MHz	-57.92	Pass

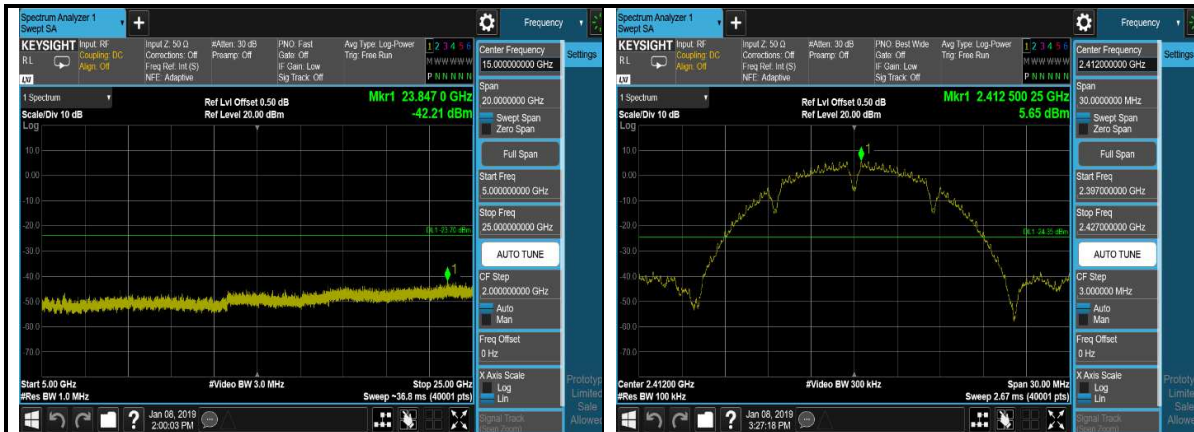
## TEST REPORT

802.11n (HT40)	2452	Ant0	4	2500MHz~5000MHz	-55.65	Pass
802.11n (HT40)	2452	Ant0	5	5000MHz~25000MHz	-42.04	Pass
802.11n (HT40)	2452	Ant1	1	Reference Level	-0.82	Pass
802.11n (HT40)	2452	Ant1	2	Band Edge	-43.96	Pass
802.11n (HT40)	2452	Ant1	3	30MHz~2310MHz	-57.62	Pass
802.11n (HT40)	2452	Ant1	4	2500MHz~5000MHz	-55.05	Pass
802.11n (HT40)	2452	Ant1	5	5000MHz~25000MHz	-41.15	Pass

### 9.2 Test Plots

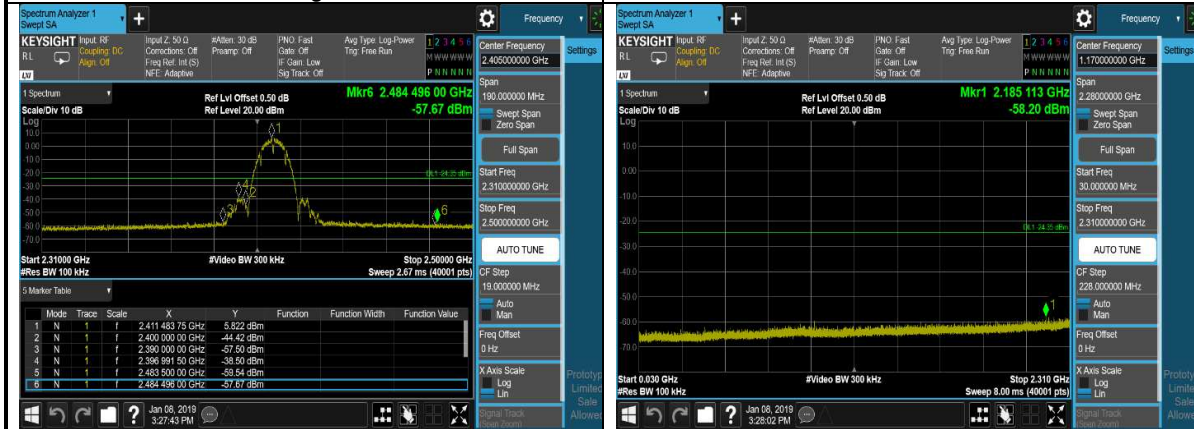


## TEST REPORT



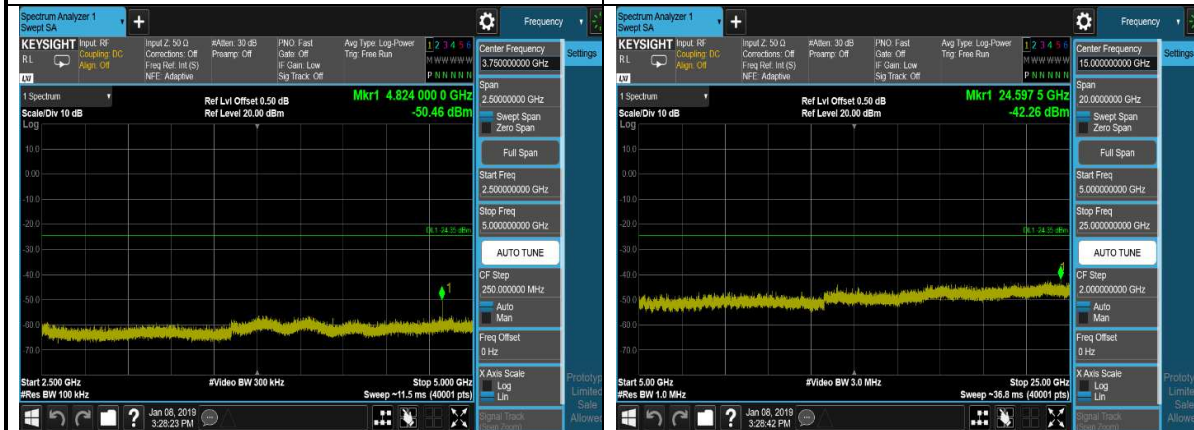
802.11b,2412MHz,Ant1,Plot 2,Band Edge

802.11b,2412MHz,Ant1,Plot 3,30MHz~231 0MHz



802.11b,2412MHz,Ant1,Plot 4,2500MHz~5 000MHz

802.11b,2412MHz,Ant1,Plot 5,5000MHz~2 5000MHz



802.11b,2437MHz,Ant0,Plot 1,Reference Level

802.11b,2437MHz,Ant0,Plot 2,Band Edge