

TEST REPORT

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

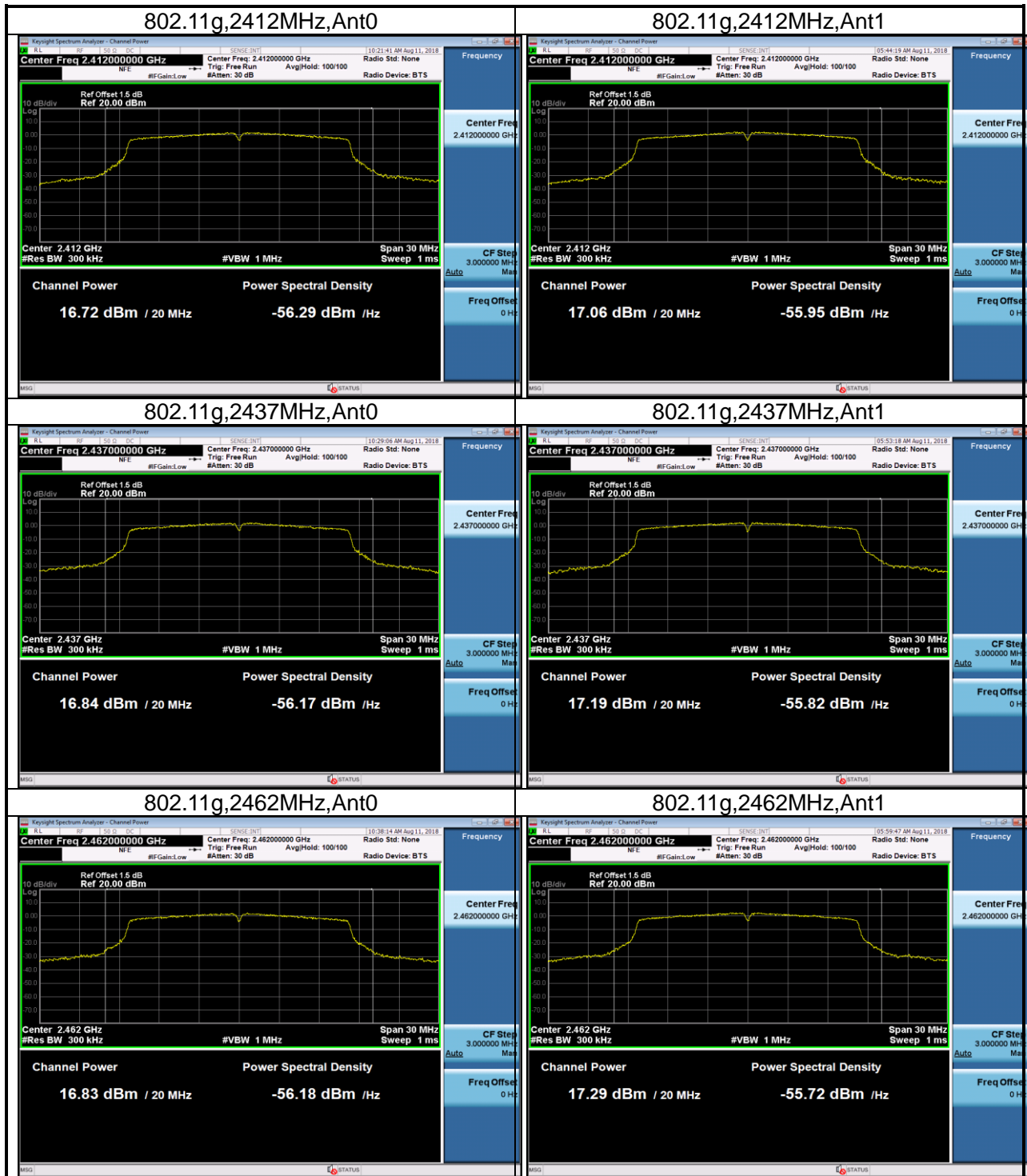
14.1 Test Data

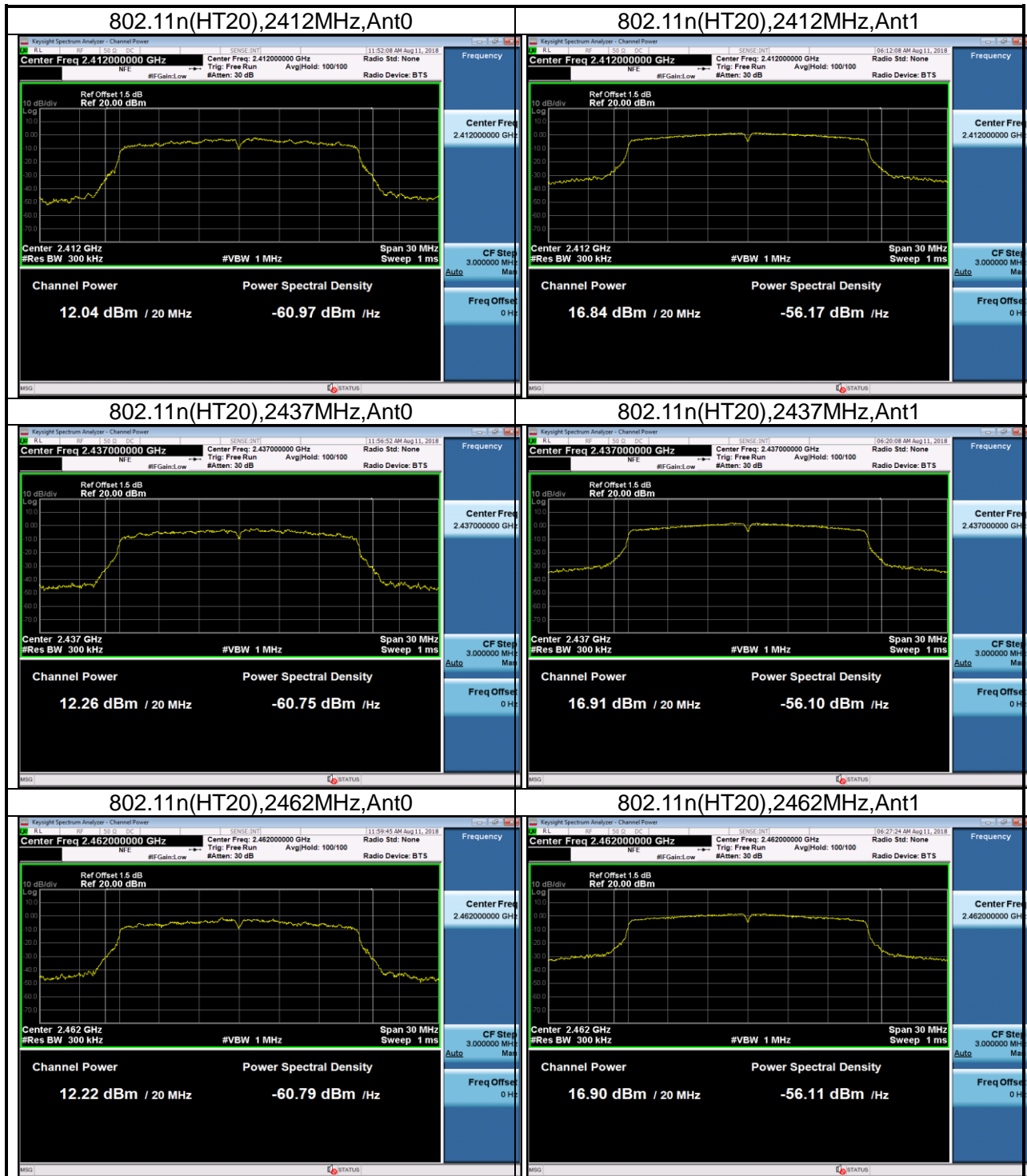
WLAN AVGSA Output Power							
Mode	Test Frequency (MHz)	Ant	Duty Cycle Factor (dB)	Power (dBm)	Total Power (dBm)	Limit (dBm)	Result
802.11b	2412	Ant0	0.64	17.94	17.94	30	Pass
802.11b	2412	Ant1	0.00	17.84			
802.11b	2437	Ant0	0.64	18.20	18.20	30	Pass
802.11b	2437	Ant1	0.00	18.09			
802.11b	2462	Ant0	0.64	17.92	18.10	30	Pass
802.11b	2462	Ant1	0.00	18.10			
802.11g	2412	Ant0	0.47	17.19	17.53	30	Pass
802.11g	2412	Ant1	0.47	17.53			
802.11g	2437	Ant0	0.47	17.31	17.66	30	Pass
802.11g	2437	Ant1	0.47	17.66			
802.11g	2462	Ant0	0.47	17.30	17.76	30	Pass
802.11g	2462	Ant1	0.47	17.76			
802.11n(HT20)	2412	Ant0	2.97	15.01	19.34	30	Pass
802.11n(HT20)	2412	Ant1	0.50	17.34			
802.11n(HT20)	2437	Ant0	2.99	15.25	19.47	30	Pass
802.11n(HT20)	2437	Ant1	0.50	17.41			
802.11n(HT20)	2462	Ant0	2.97	15.19	19.46	30	Pass
802.11n(HT20)	2462	Ant1	0.53	17.43			
802.11n(HT40)	2422	Ant0	0.97	17.10	20.14	30	Pass
802.11n(HT40)	2422	Ant1	1.02	17.16			
802.11n(HT40)	2437	Ant0	0.97	16.79	20.12	30	Pass
802.11n(HT40)	2437	Ant1	0.96	17.41			
802.11n(HT40)	2452	Ant0	0.97	16.84	20.08	30	Pass
802.11n(HT40)	2452	Ant1	0.96	17.29			

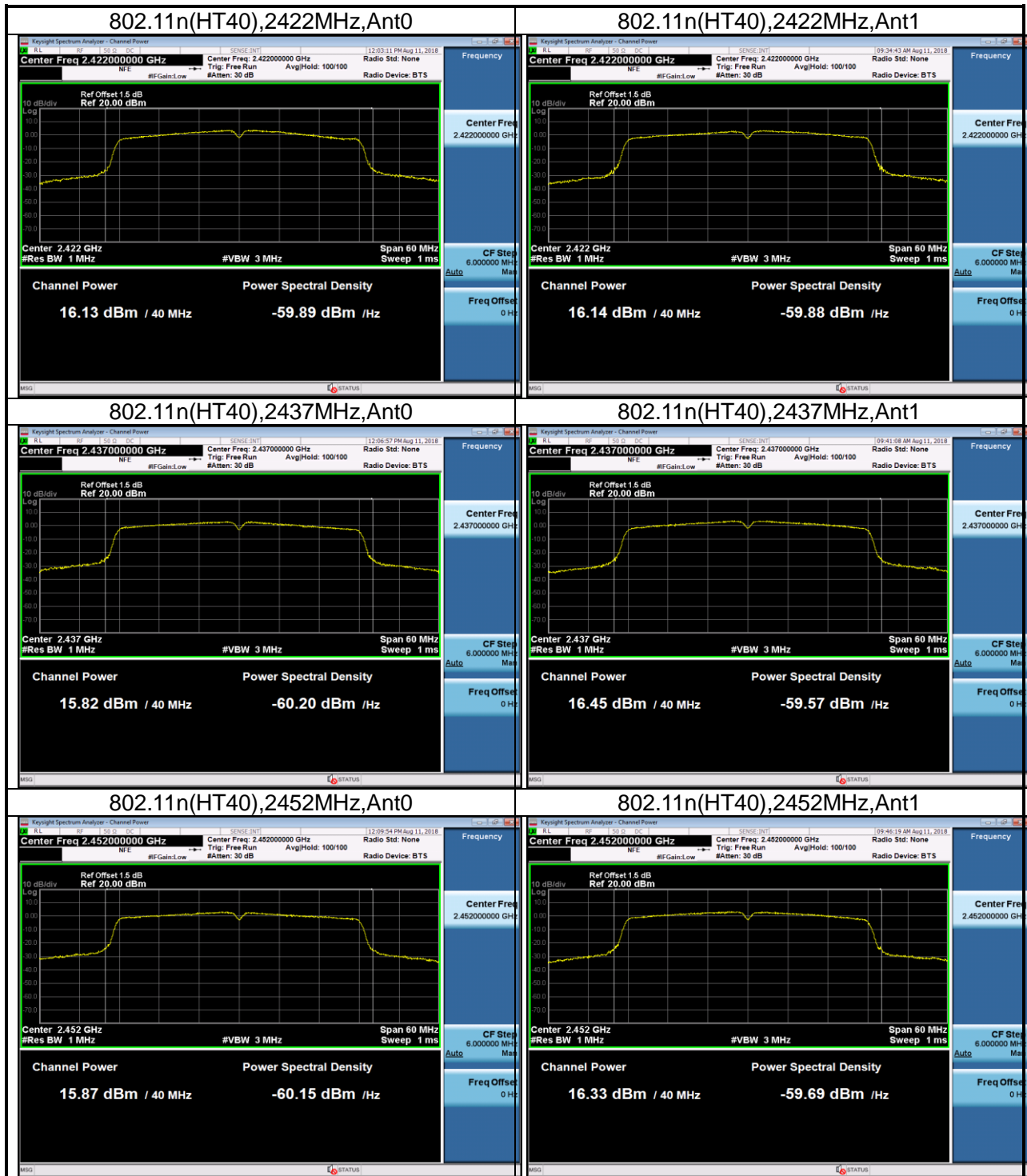
Max conducted output power(dBm)	Max antenna gain (dBi)	Max e.i.r.p. (W)	Limit (W)	Result
20.14	2.51	0.184	4	Pass

14.2 Test Plots









TEST REPORT

15. Power spectrum density

15.1 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	0.64	-14.139	-14.139	8	Pass
802.11b	2412	Ant1	0.00	-14.448			
802.11b	2437	Ant0	0.64	-14.285	-14.001	8	Pass
802.11b	2437	Ant1	0.00	-14.001			
802.11b	2462	Ant0	0.64	-14.196	-13.161	8	Pass
802.11b	2462	Ant1	0.00	-13.161			
802.11g	2412	Ant0	0.47	-16.444	-15.987	8	Pass
802.11g	2412	Ant1	0.47	-15.987			
802.11g	2437	Ant0	0.47	-15.716	-15.716	8	Pass
802.11g	2437	Ant1	0.47	-15.875			
802.11g	2462	Ant0	0.47	-16.183	-15.806	8	Pass
802.11g	2462	Ant1	0.47	-15.806			
802.11n(HT20)	2412	Ant0	2.97	-15.986	-13.010	8	Pass
802.11n(HT20)	2412	Ant1	0.50	-16.142			
802.11n(HT20)	2437	Ant0	2.99	-16.144	-13.010	8	Pass
802.11n(HT20)	2437	Ant1	0.50	-16.455			
802.11n(HT20)	2462	Ant0	2.97	-15.858	-13.010	8	Pass
802.11n(HT20)	2462	Ant1	0.53	-16.799			
802.11n(HT40)	2422	Ant0	0.97	-19.310	-16.990	8	Pass
802.11n(HT40)	2422	Ant1	1.02	-19.437			
802.11n(HT40)	2437	Ant0	0.97	-19.875	-16.990	8	Pass
802.11n(HT40)	2437	Ant1	0.96	-19.208			
802.11n(HT40)	2452	Ant0	0.97	-19.529	-16.990	8	Pass
802.11n(HT40)	2452	Ant1	0.96	-18.882			

15.2 Test Plots

