

TEST REPORT

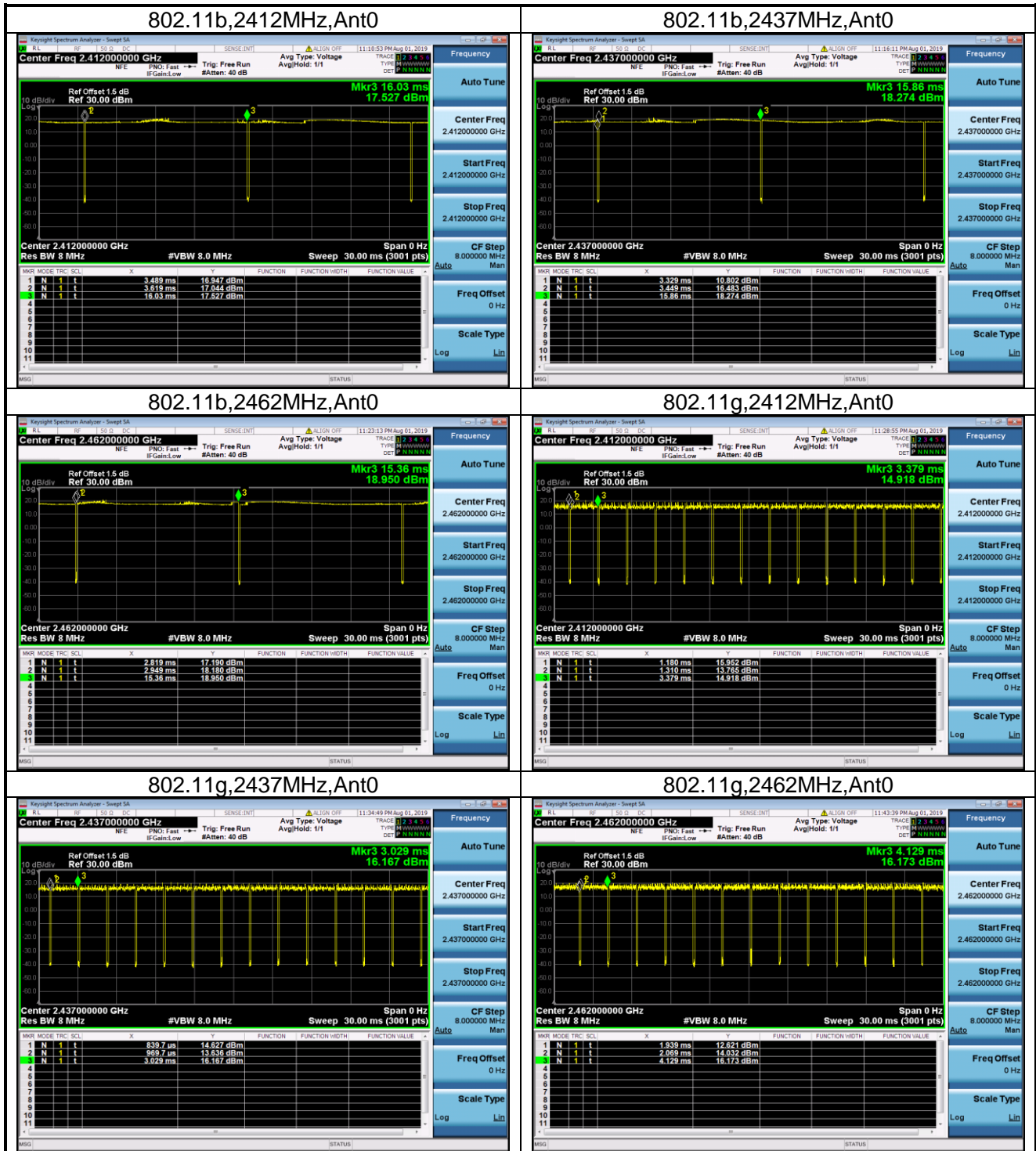
Appendix A: Test results

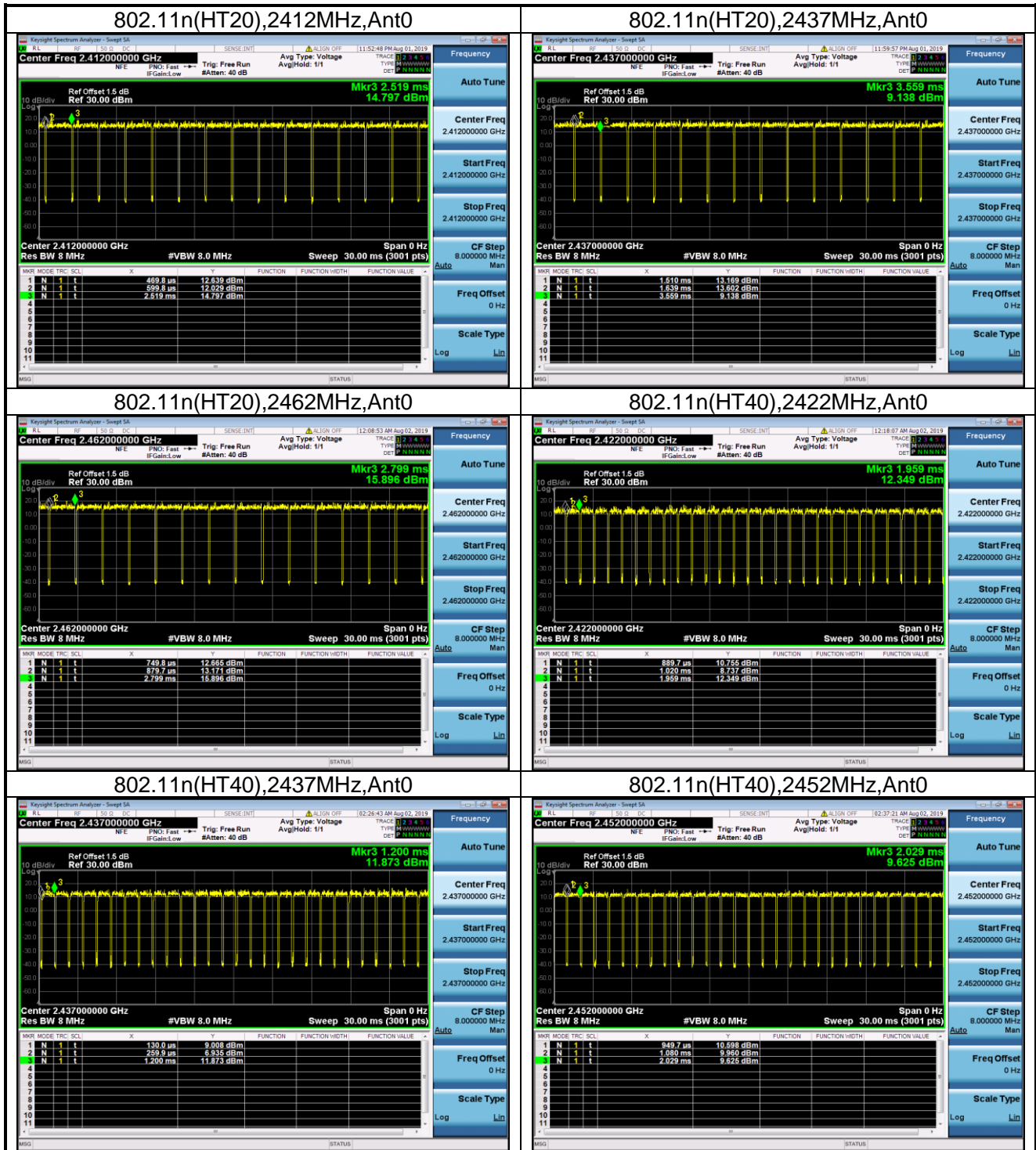
1. Duty Cycle

1.1 Test Data

WLAN Duty Cycle				
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Duty Cycle Factor (dB)
802.11b	2412	Ant0	98.96	0.00
802.11b	2437	Ant0	99.04	0.00
802.11b	2462	Ant0	98.96	0.00
802.11g	2412	Ant0	94.09	0.26
802.11g	2437	Ant0	94.06	0.27
802.11g	2462	Ant0	94.06	0.27
802.11n (HT20)	2412	Ant0	93.66	0.28
802.11n (HT20)	2437	Ant0	93.66	0.28
802.11n (HT20)	2462	Ant0	93.66	0.28
802.11n (HT40)	2422	Ant0	87.85	0.56
802.11n (HT40)	2437	Ant0	87.85	0.56
802.11n (HT40)	2452	Ant0	87.96	0.56

1.2 Test Plots





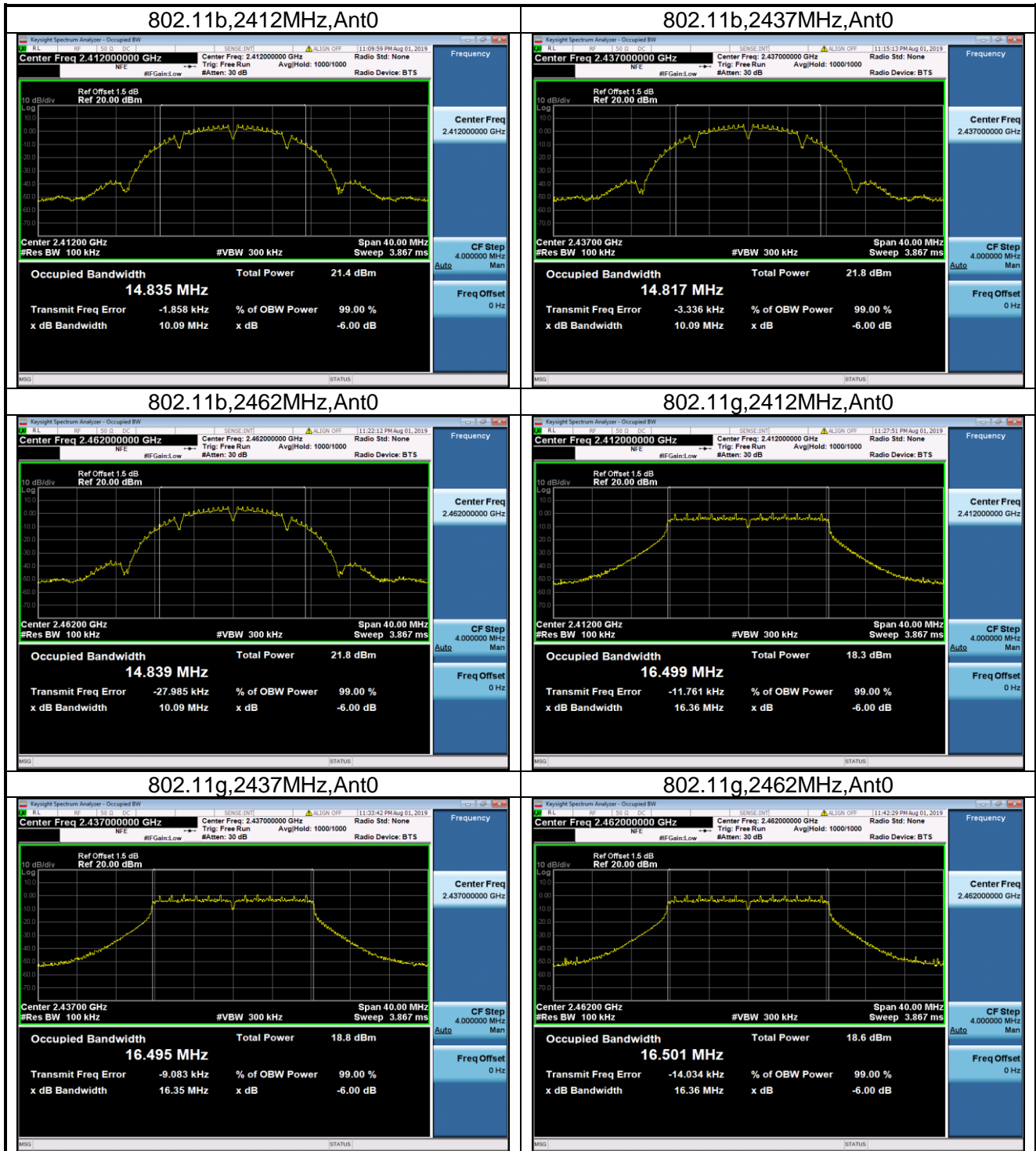
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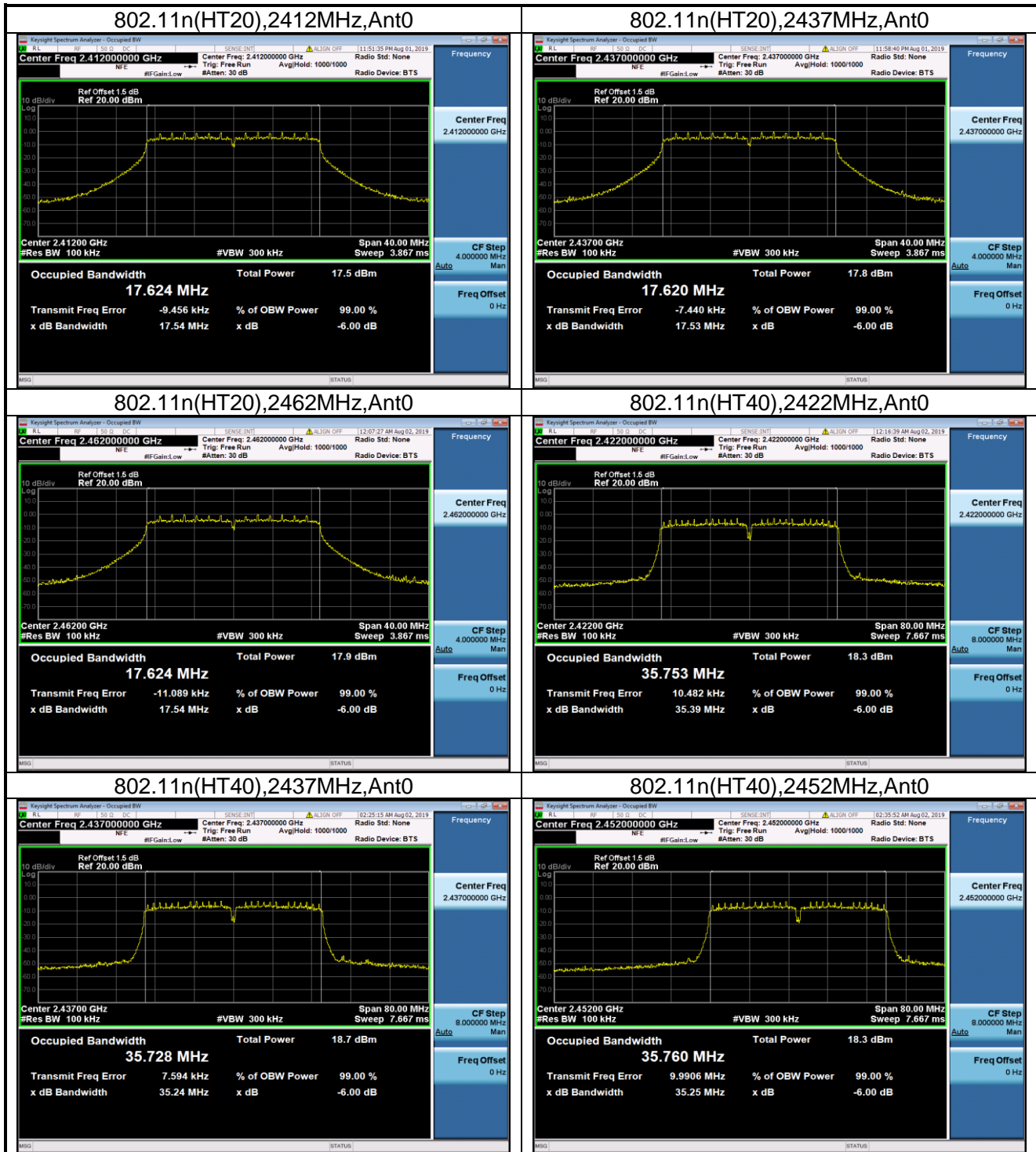
2. Minimum 6dB bandwidth

2.1 Test Data

WLAN Occupied 6dB Bandwidth				
Mode	Test Frequency (MHz)	Ant	Occupied Bandwidth (MHz)	Result
802.11b	2412	Ant0	10.09	Pass
802.11b	2437	Ant0	10.09	Pass
802.11b	2462	Ant0	10.09	Pass
802.11g	2412	Ant0	16.36	Pass
802.11g	2437	Ant0	16.35	Pass
802.11g	2462	Ant0	16.36	Pass
802.11n (HT20)	2412	Ant0	17.54	Pass
802.11n (HT20)	2437	Ant0	17.53	Pass
802.11n (HT20)	2462	Ant0	17.54	Pass
802.11n (HT40)	2422	Ant0	35.39	Pass
802.11n (HT40)	2437	Ant0	35.24	Pass
802.11n (HT40)	2452	Ant0	35.25	Pass

2.2 Test Plots





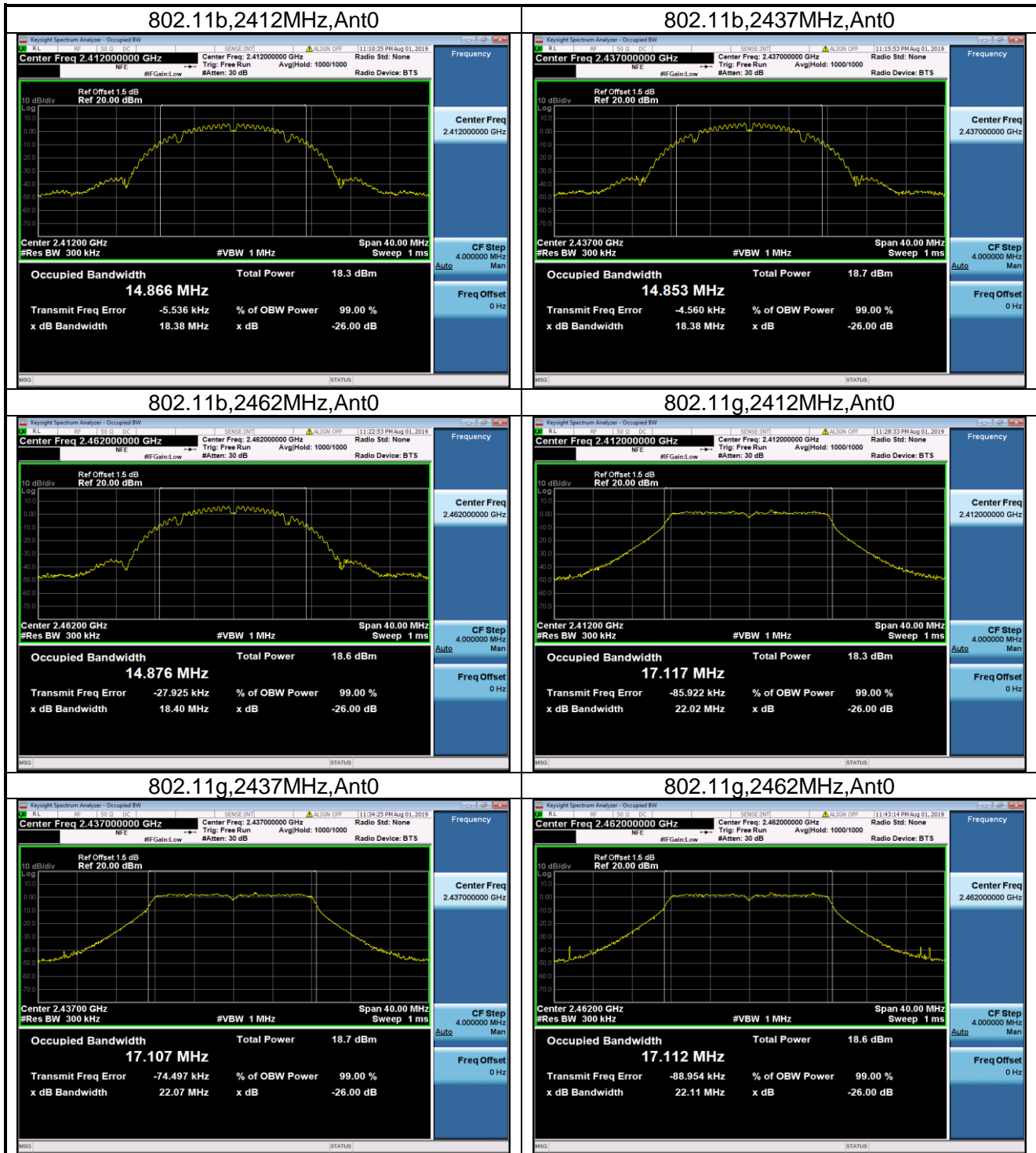
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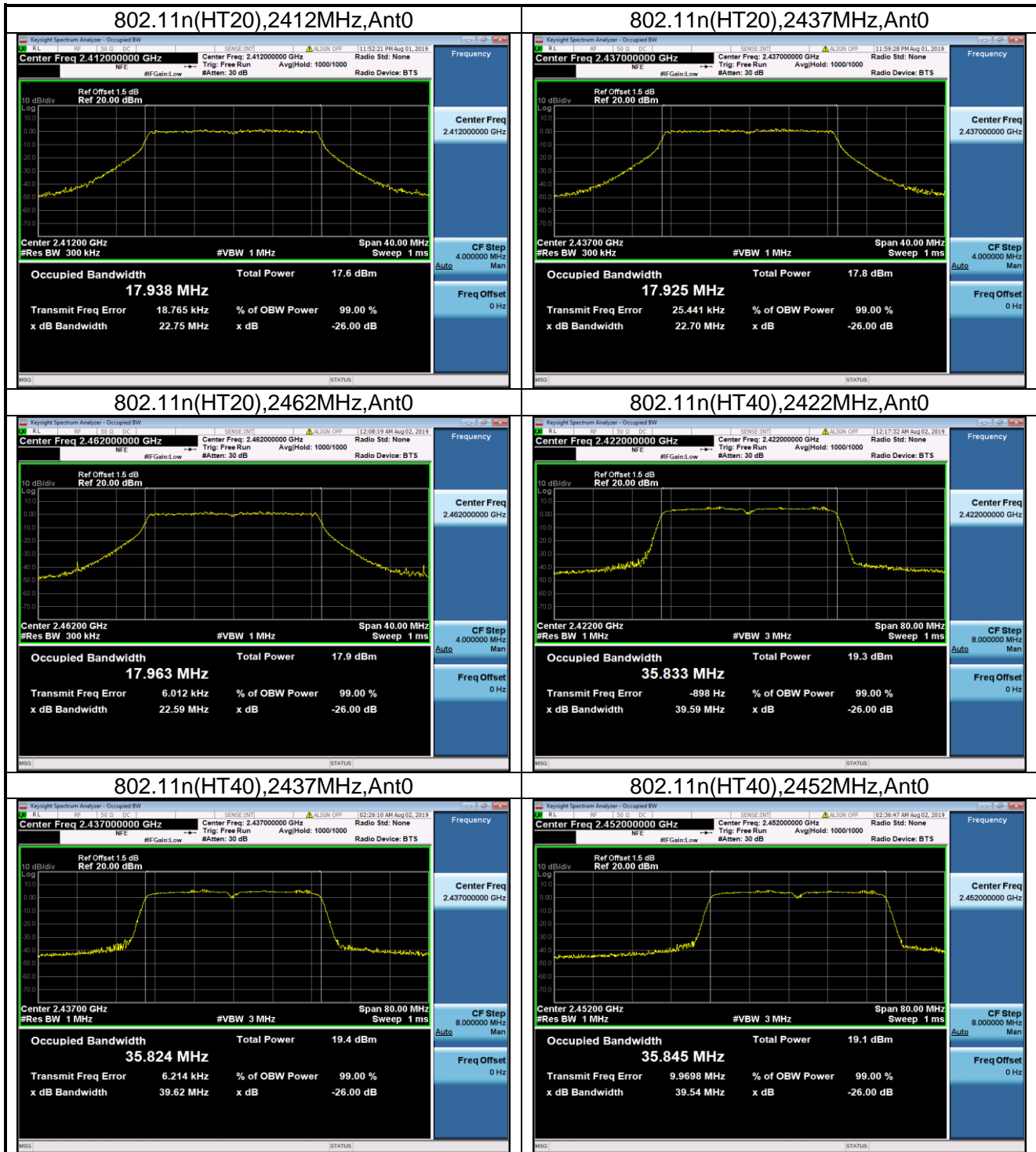
3. Occupied Bandwidth

3.1 Test Data

WLAN 99% Occupied Bandwidth				
Mode	Test Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Result
802.11b	2412	Ant0	14.866	Pass
802.11b	2437	Ant0	14.853	Pass
802.11b	2462	Ant0	14.876	Pass
802.11g	2412	Ant0	17.117	Pass
802.11g	2437	Ant0	17.107	Pass
802.11g	2462	Ant0	17.112	Pass
802.11n (HT20)	2412	Ant0	17.938	Pass
802.11n (HT20)	2437	Ant0	17.925	Pass
802.11n (HT20)	2462	Ant0	17.963	Pass
802.11n (HT40)	2422	Ant0	35.833	Pass
802.11n (HT40)	2437	Ant0	35.824	Pass
802.11n (HT40)	2452	Ant0	35.845	Pass

3.2 Test Plots





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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)	Limit (dBm)	EIRP (dBm)	Result
802.11b	2412	Ant0	0.00	17.91	30	18.91	Pass
802.11b	2437	Ant0	0.00	18.28	30	19.28	Pass
802.11b	2462	Ant0	0.00	18.16	30	19.16	Pass
802.11g	2412	Ant0	0.26	17.01	30	18.01	Pass
802.11g	2437	Ant0	0.27	17.52	30	18.52	Pass
802.11g	2462	Ant0	0.27	17.44	30	18.44	Pass
802.11n (HT20)	2412	Ant0	0.28	16.16	30	17.16	Pass
802.11n (HT20)	2437	Ant0	0.28	16.38	30	17.38	Pass
802.11n (HT20)	2462	Ant0	0.28	16.46	30	17.46	Pass
802.11n (HT40)	2422	Ant0	0.56	16.17	30	17.17	Pass
802.11n (HT40)	2437	Ant0	0.56	16.12	30	17.12	Pass
802.11n (HT40)	2452	Ant0	0.56	14.87	30	15.87	Pass

4.2 Test Plots