

**4.5.3. Test data****ANT.1**

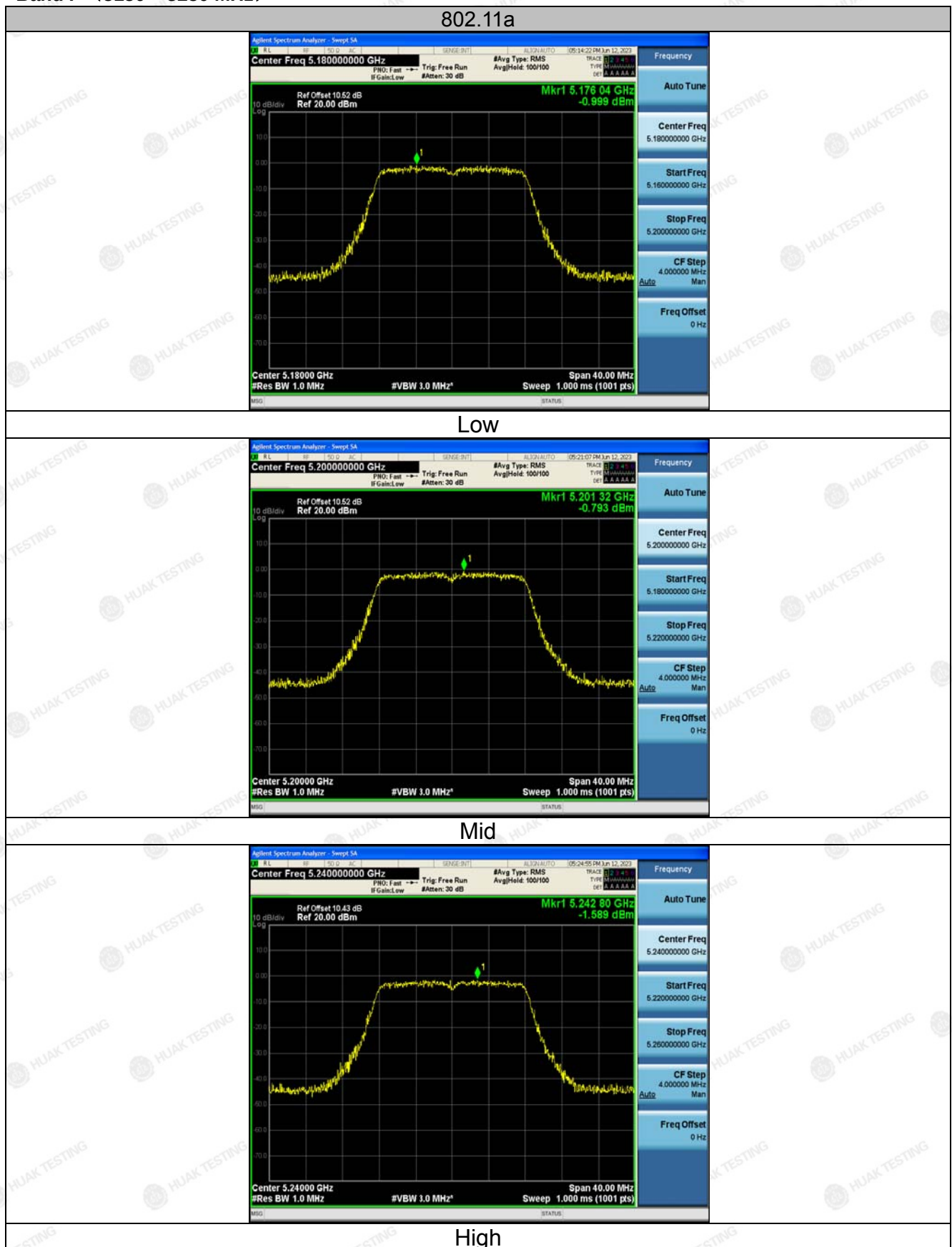
Mode	Test channel	Level [dBm/MHz]	Limit (dBm/MHz)	Result
11a	CH36	-1	17	PASS
11a	CH40	-0.79	17	PASS
11a	CH48	-1.59	17	PASS
11n(HT20)	CH36	-5.97	17	PASS
11n(HT20)	CH40	-4.85	17	PASS
11n(HT20)	CH48	-6.18	17	PASS
11n(HT40)	CH38	-7.79	17	PASS
11n(HT40)	CH46	-9.15	17	PASS
11ac(HT20)	CH36	-6.68	17	PASS
11ac(HT20)	CH40	-5.74	17	PASS
11ac(HT20)	CH48	-7.48	17	PASS
11ac(HT40)	CH38	-10.68	17	PASS
11ac(HT40)	CH46	-10.65	17	PASS
11ac(HT80)	CH42	-6.61	17	PASS
11ax(HT20)	CH36	-4.15	17	PASS
11ax(HT20)	CH40	-4.5	17	PASS
11ax(HT20)	CH48	-4.98	17	PASS
11ax(HT40)	CH38	-7.37	17	PASS
11ax(HT40)	CH46	-7.8	17	PASS
11ax(HT80)	CH42	-5.72	17	PASS

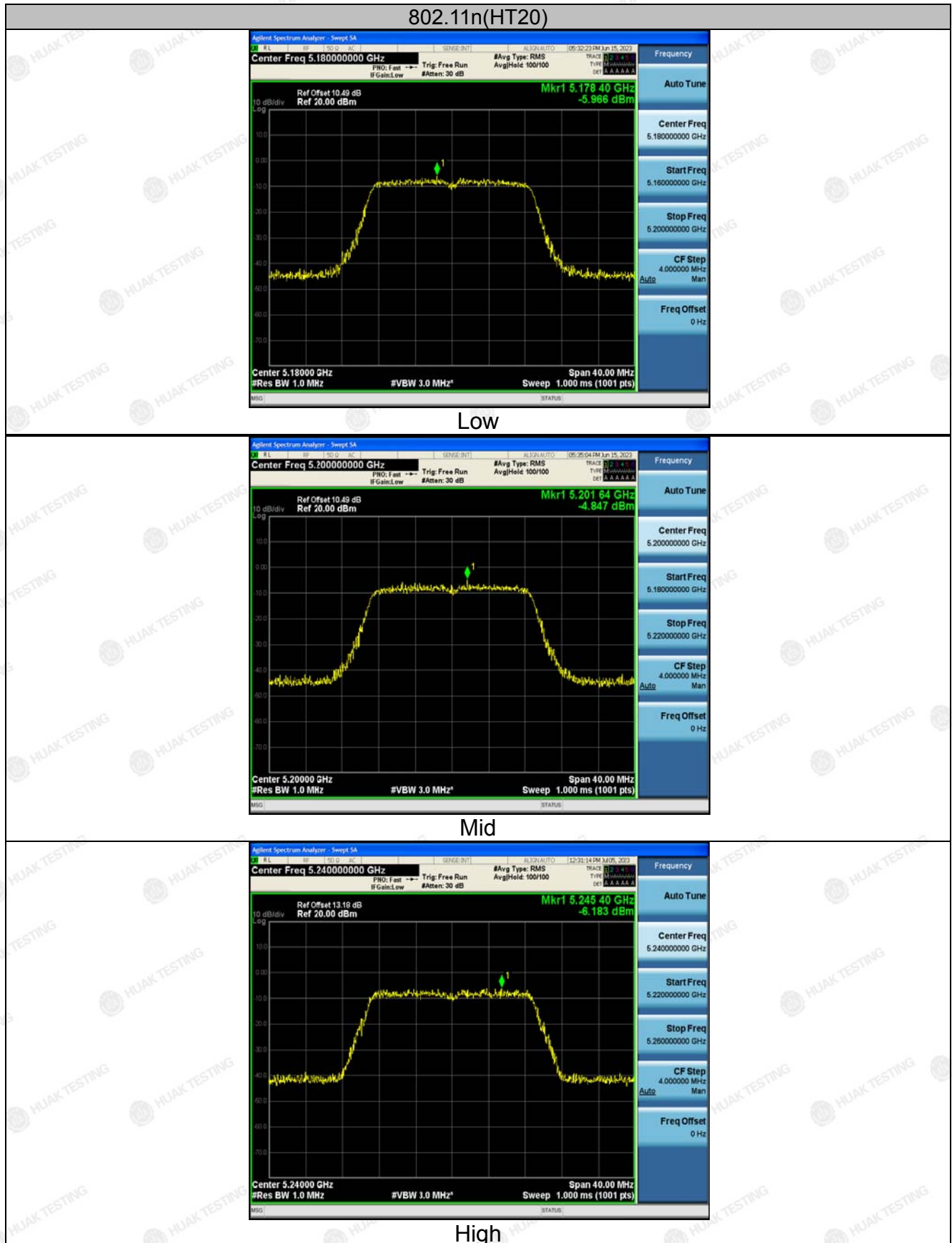
Note: Instrument attenuation and cable loss See test diagram



Test plots as follows:

Band I (5150 – 5250 MHz)





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802.11n(HT40)



Low



High



802.11ac(HT20)



Low



Mid



High



802.11ac(HT40)



Low



High

802.11ac(HT80)



Low



802.11ax(HT20)



Low



Mid



High



802.11ax(HT40)



Low



High

802.11ax(HT80)



Low



ANT. 2

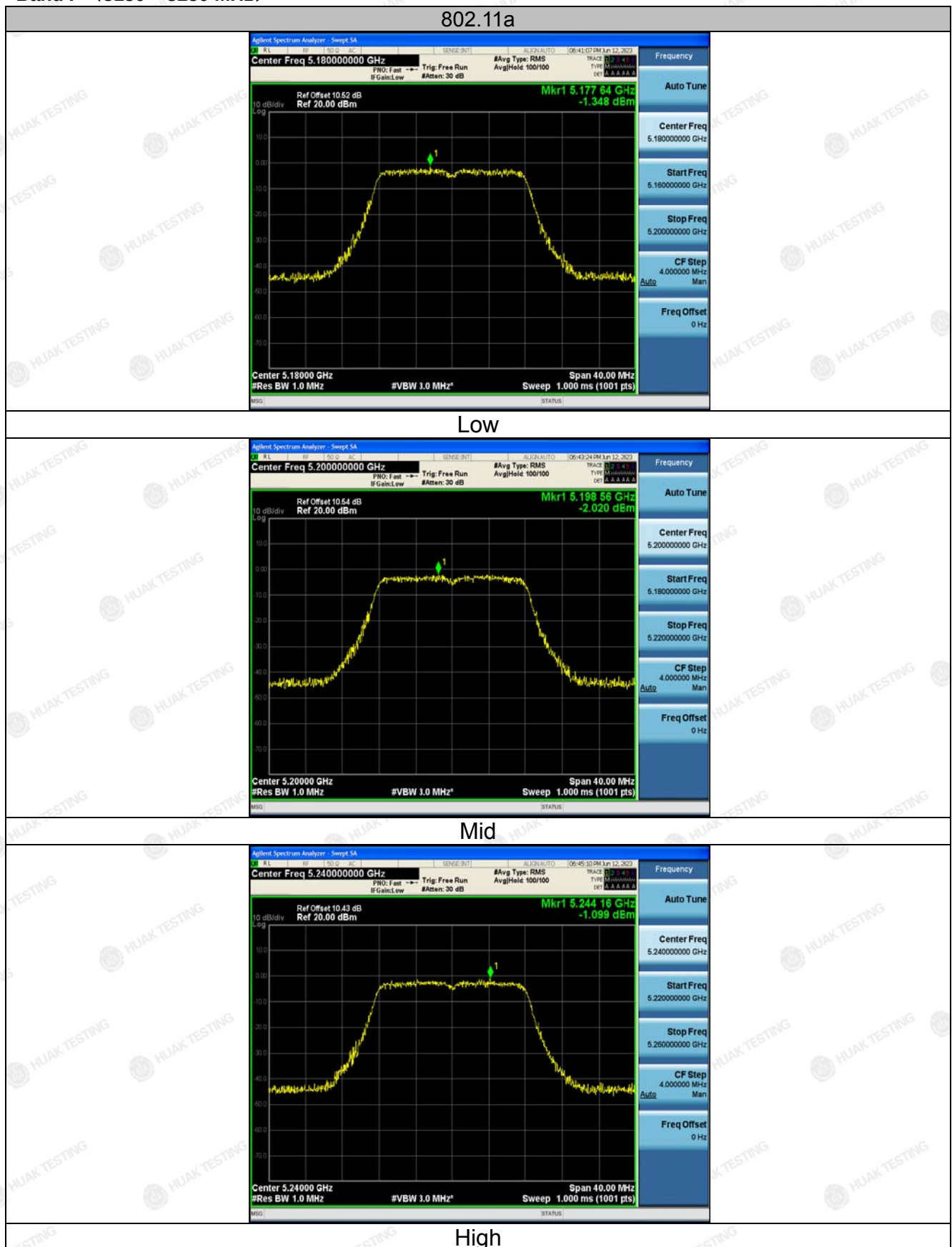
Mode	Test channel	Level [dBm/MHz]	Limit (dBm/MHz)	Result
11a	CH36	-1.35	17	PASS
11a	CH40	-2.02	17	PASS
11a	CH48	-1.1	17	PASS
11n(HT20)	CH36	-4.87	17	PASS
11n(HT20)	CH40	-5.33	17	PASS
11n(HT20)	CH48	-8.16	17	PASS
11n(HT40)	CH38	-10.18	17	PASS
11n(HT40)	CH46	-10.56	17	PASS
11ac(HT20)	CH36	-5.1	17	PASS
11ac(HT20)	CH40	-5.42	17	PASS
11ac(HT20)	CH48	-8.6	17	PASS
11ac(HT40)	CH38	-10.05	17	PASS
11ac(HT40)	CH46	-10.47	17	PASS
11ac(HT80)	CH42	-8	17	PASS
11ax(HT20)	CH36	-4.71	17	PASS
11ax(HT20)	CH40	-4.58	17	PASS
11ax(HT20)	CH48	-4.49	17	PASS
11ax(HT40)	CH38	-8.91	17	PASS
11ax(HT40)	CH46	-10.01	17	PASS
11ax(HT80)	CH42	-4.06	17	PASS

Note: Instrument attenuation and cable loss See test diagram



Test plots as follows:

Band I (5150 – 5250 MHz)





802.11n(HT20)



Low



Mid



High



802.11n(HT40)



Low



High



802.11ac(HT20)



Low



Mid



High



802.11ac(HT40)



Low

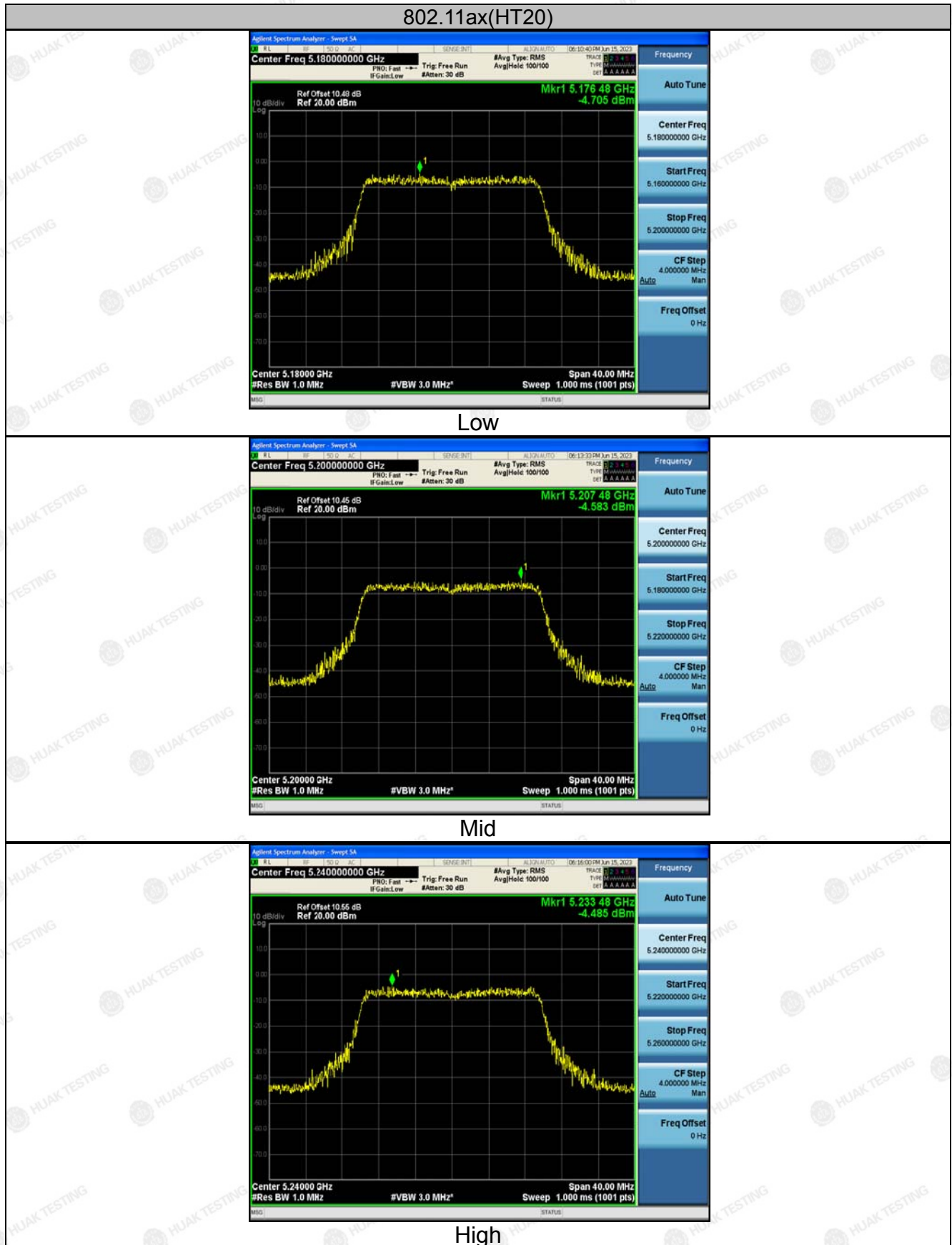


High

802.11ac(HT80)



Low



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802.11ax(HT40)



Low



High

802.11ax(HT80)



Low



ANT. 3

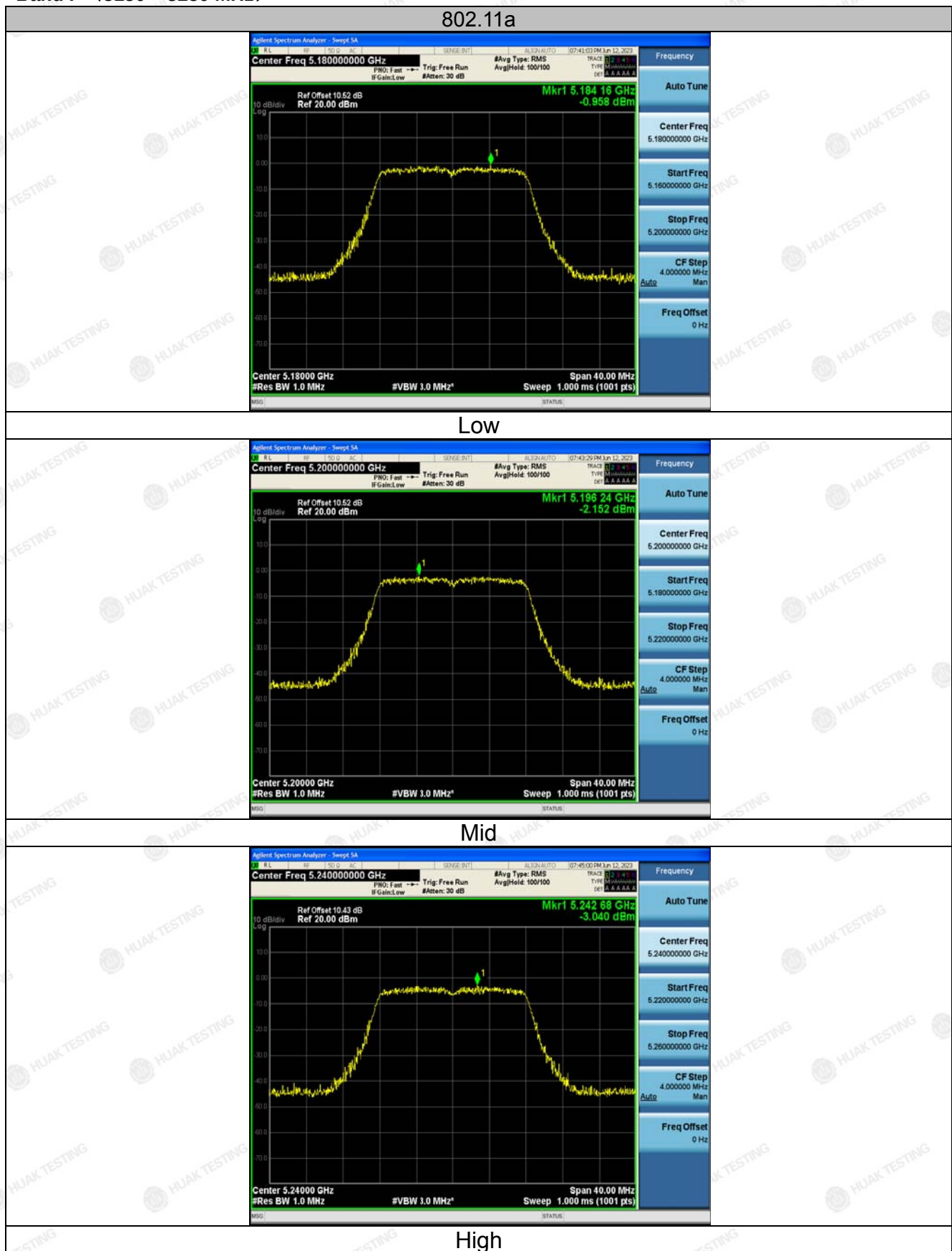
Mode	Test channel	Level [dBm/MHz]	Limit (dBm/MHz)	Result
11a	CH36	-0.96	17	PASS
11a	CH40	-2.15	17	PASS
11a	CH48	-3.04	17	PASS
11n(HT20)	CH36	-5.74	17	PASS
11n(HT20)	CH40	-4.98	17	PASS
11n(HT20)	CH48	-10.25	17	PASS
11n(HT40)	CH38	-10.31	17	PASS
11n(HT40)	CH46	-9.89	17	PASS
11ac(HT20)	CH36	-4.3	17	PASS
11ac(HT20)	CH40	-5.63	17	PASS
11ac(HT20)	CH48	-8.62	17	PASS
11ac(HT40)	CH38	-11.23	17	PASS
11ac(HT40)	CH46	-10.71	17	PASS
11ac(HT80)	CH42	-5.14	17	PASS
11ax(HT20)	CH36	-4.76	17	PASS
11ax(HT20)	CH40	-4.45	17	PASS
11ax(HT20)	CH48	-4.12	17	PASS
11ax(HT40)	CH38	-10.63	17	PASS
11ax(HT40)	CH46	-10.57	17	PASS
11ax(HT80)	CH42	-5.04	17	PASS

Note: Instrument attenuation and cable loss See test diagram



Test plots as follows:

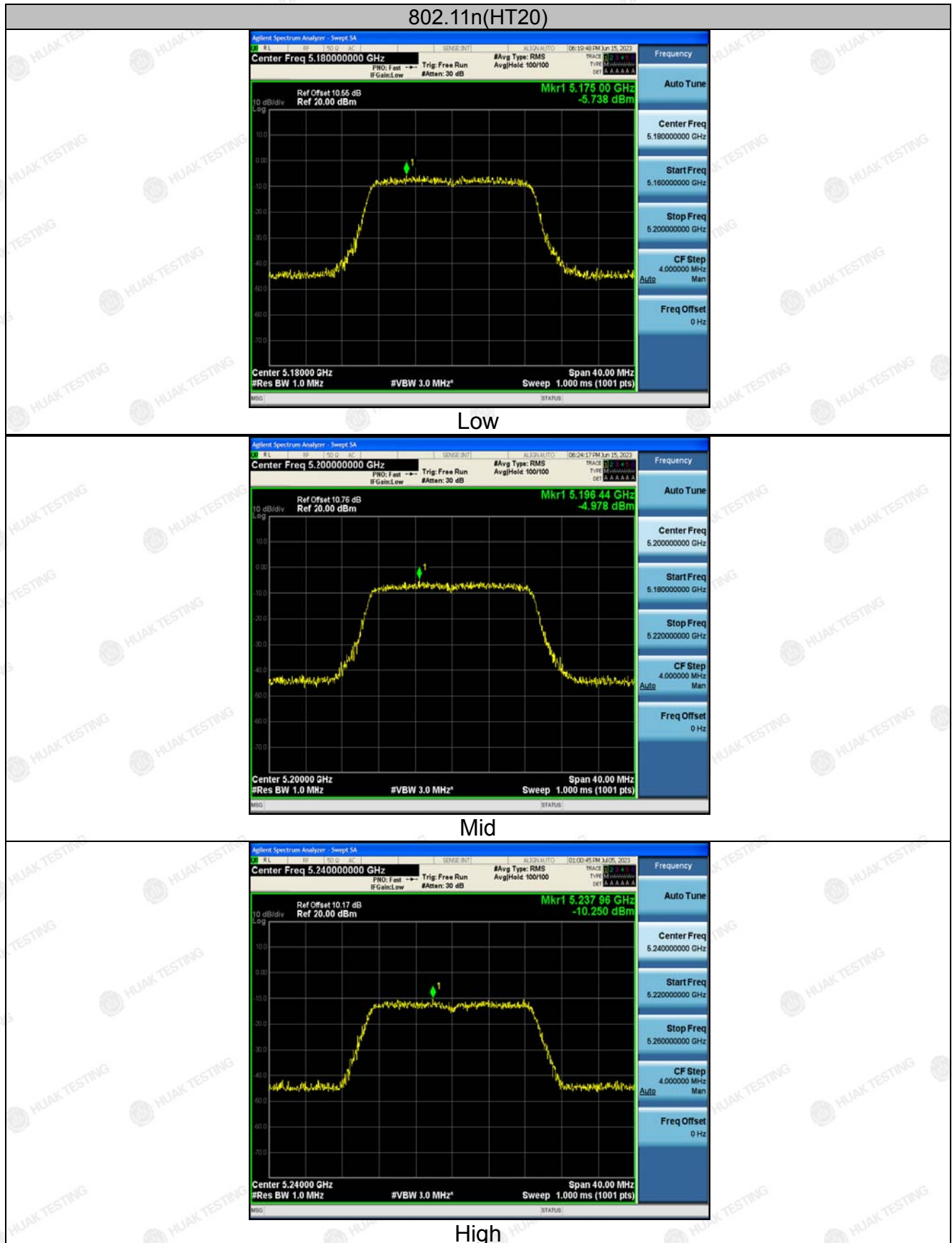
Band I (5150 – 5250 MHz)



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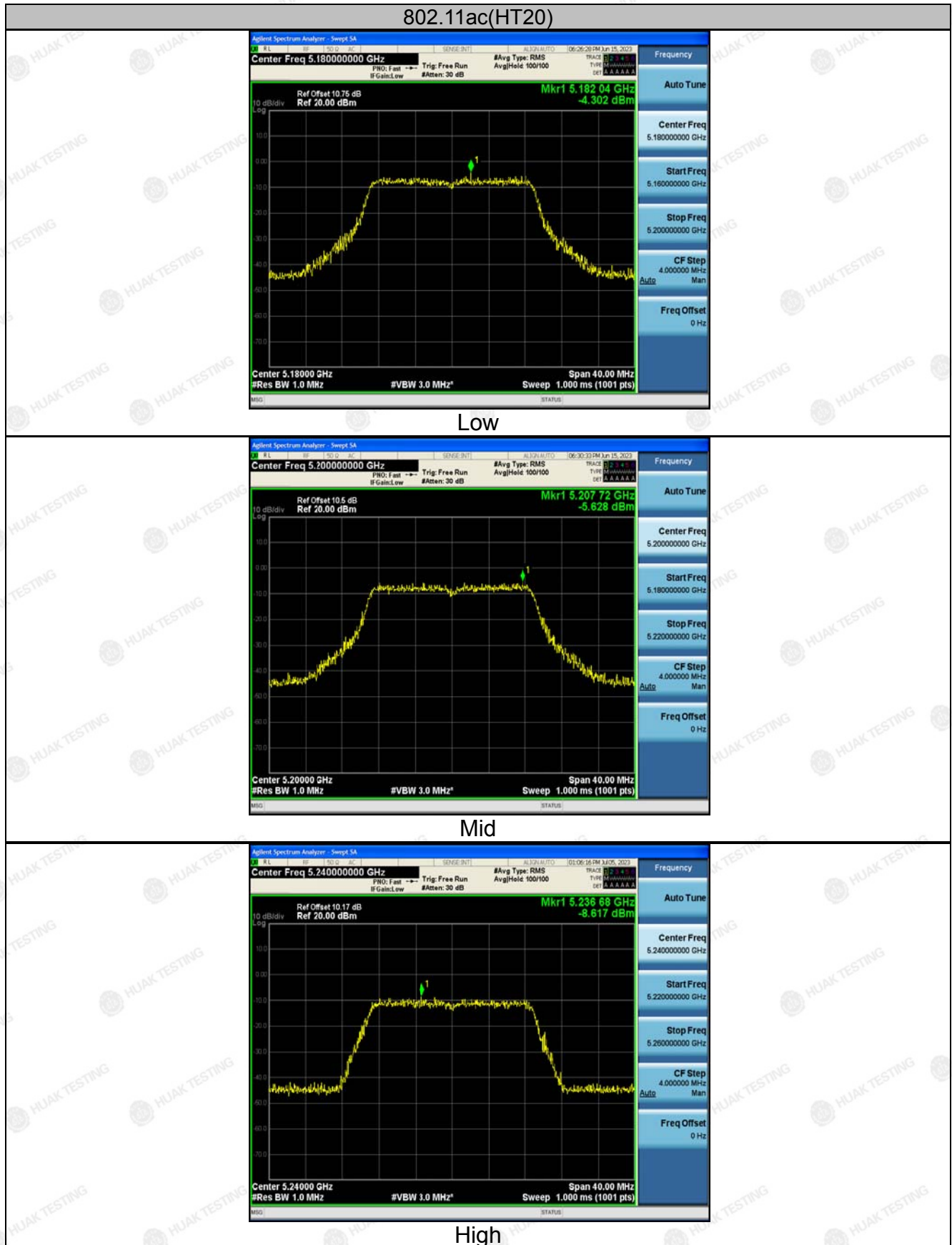
802.11n(HT40)



Low



High



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802.11ac(HT40)



Low



High

802.11ac(HT80)



Low



802.11ax(HT20)



Low



Mid



High



802.11ax(HT40)



Low



High

802.11ax(HT80)



Low