

Appendix B Test Results

B.1 Antenna Power

EUT: LTE USB WIFI Stick		
M/N: Wai-Link		
Date: 2026-06-24	Pressure: 102.3kpa	Humidity: 52.2%
Tested by: Carl	Test Site: RF site	Temperature: 23.1 °C

Mode	CH	power set (dBm)	Antenna Power (mW/MHz)	Tolerance (%)	Limit (mW/MHz)
11b	CH1	15	6.1445	-12.22	≤ 10 Tolerance $\leq +20\%$
	CH7		5.5643	-20.51	
	CH13		4.5875	-34.46	
11g	CH1	15	2.6935	-10.22	≤ 10 Tolerance $\leq +20\%$
	CH7		2.1295	-29.02	
	CH13		1.5888	-47.04	
11n HT20	CH1	15	2.8033	-6.56	≤ 10 Tolerance $\leq +20\%$
	CH7		2.3826	-20.58	
	CH13		1.6937	-43.54	
11n HT40	CH3	15	1.3341	-11.06	≤ 5 Tolerance $\leq +20\%$
	CH7		1.1139	-25.74	
	CH11		1.0722	-28.52	
11ax HE20	CH1	15	2.3987	-20.04	≤ 10 Tolerance $\leq +20\%$
	CH7		2.1795	-27.35	
	CH13		1.7110	-42.97	
11ax HE40	CH3	15	1.5314	2.09	≤ 5 Tolerance $\leq +20\%$
	CH7		1.1928	-20.48	
	CH11		1.2399	-17.34	

Rated Power:

11b: 7mW/MHz

11g: 3mW/MHz

11nHT20: 3mW/MHz

11nHT40: 1.5mW/MHz

11axHE20: 3mW/MHz

11axHE40: 1.5mW/MHz

Duty cycle:

11b: 99.00%

11g: 25.66%

11nHT20: 34.12%

11nHT40: 33.46%

11axHE20: 28.51%

11axHE40: 28.38%

Antenna Power = Measured value / Duty cycle

Conclusion: PASS

B.2 Frequency Tolerance

EUT: LTE USB WIFI Stick

M/N: Wai-Link

Date: 2026-06-25

Pressure: 102.3kpa

Humidity: 52.4%

Tested by: Carl

Test Site: RF site

Temperature: 23.1 °C

CH	Reading (MHz)	Target Frequency (MHz)	Result (ppm)	Limit (ppm)
CH1	2411.9740	2412	-10.78	$\leq \pm 50$
CH3	2421.9745	2422	-10.53	$\leq \pm 50$
CH7	2441.9815	2442	-7.58	$\leq \pm 50$
CH11	2461.9740	2462	-10.56	$\leq \pm 50$
CH13	2471.9740	2472	-10.52	$\leq \pm 50$
Conclusion : PASS				

B.3 Occupied Bandwidth and Spread-spectrum Bandwidth Measurement

(99% BW)

EUT: LTE USB WIFI Stick		
M/N: Wai-Link		
Date: 2026-06-24	Pressure: 102.3kpa	Humidity: 52.3
Tested by: Carl	Test Site: RF site	Temperature: 23.1 °C

Test Mode	CH	99% Bandwidth (MHz)	Limit (MHz)
11b	CH1	14.281	≤26MHz
	CH7	14.713	≤26MHz
	CH13	14.557	≤26MHz
11g	CH1	16.530	≤40MHz
	CH7	16.425	≤40MHz
	CH13	16.420	≤40MHz
11n HT20	CH1	17.565	≤40MHz
	CH7	17.655	≤40MHz
	CH13	17.635	≤40MHz
11n HT40	CH3	35.927	≤40MHz
	CH7	36.122	≤40MHz
	CH11	35.989	≤40MHz
11ax HE20	CH1	18.824	≤40MHz
	CH7	18.916	≤40MHz
	CH13	18.903	≤40MHz
11ax HE40	CH3	37.444	≤40MHz
	CH6	37.684	≤40MHz
	CH11	37.576	≤40MHz

Conclusion: Pass

B.4 Transmitter Spurious Emissions (Conducted)

EUT: LTE USB WIFI Stick		
M/N: Wai-Link		
Test date: 2026-06-24	Pressure: 102.1 kpa	Humidity: 52.2%
Tested by: Carl	Test Site: RF Site	Temperature: 23.3 °C

Test Mode	11b/CH1,CH7,CH13			Limit	Results
	2412	2442	2472		
30~1000MHz	-51.295	-51.248	-50.608	$\leq 2.5\mu\text{W/MHz}$ (-26dBm/MHz)	PASS
1000~2387MHz	-45.111	-49.881	-49.820	$\leq 2.5\mu\text{W/MHz}$ (-26dBm/MHz)	PASS
2387~2400MHz	-32.290	-45.649	-49.751	$\leq 25\mu\text{W/MHz}$ (-16dBm/MHz)	PASS
2483.5~2496.5MHz	-50.505	-49.896	-35.357	$\leq 25\mu\text{W/MHz}$ (-16dBm/MHz)	PASS
2496.5~13000MHz	-47.203	-48.115	-46.844	$\leq 2.5\mu\text{W/MHz}$ (-26dBm/MHz)	PASS
Test Mode	11g/ CH1,CH7,CH13			Limit	Results
	2412	2442	2472		
30~1000MHz	-51.357	-51.563	-50.704	$\leq 2.5\mu\text{W/MHz}$ (-26dBm/MHz)	PASS
1000~2387MHz	-48.565	-48.817	-49.496	$\leq 2.5\mu\text{W/MHz}$ (-26dBm/MHz)	PASS
2387~2400MHz	-50.568	-43.876	-46.056	$\leq 25\mu\text{W/MHz}$ (-16dBm/MHz)	PASS
2483.5~2496.5MHz	-50.481	-48.774	-51.359	$\leq 25\mu\text{W/MHz}$ (-16dBm/MHz)	PASS
2496.5~13000MHz	-47.749	-47.315	-47.683	$\leq 2.5\mu\text{W/MHz}$ (-26dBm/MHz)	PASS
Test Mode	11n HT20/ CH1,CH7,CH13			Limit	Results
	2412	2442	2472		
30~1000MHz	-51.331	-51.733	-51.112	$\leq 2.5\mu\text{W/MHz}$ (-26dBm/MHz)	PASS
1000~2387MHz	-48.036	-50.079	-49.381	$\leq 2.5\mu\text{W/MHz}$ (-26dBm/MHz)	PASS
2387~2400MHz	-56.371	-43.580	-47.458	$\leq 25\mu\text{W/MHz}$ (-16dBm/MHz)	PASS
2483.5~2496.5MHz	-49.884	-47.398	-55.085	$\leq 25\mu\text{W/MHz}$ (-16dBm/MHz)	PASS
2496.5~13000MHz	-46.852	-48.113	-48.035	$\leq 2.5\mu\text{W/MHz}$ (-26dBm/MHz)	PASS

Test Mode	11n HT40/ CH3,CH7,CH11			Limit	Results
	2422	2442	2462		
30~1000MHz	-50.557	-50.421	-50.565	$\leq 2.5\mu\text{W}/\text{MHz}$ (-26dBm/MHz)	PASS
1000~2387MHz	-33.975	-42.160	-49.293	$\leq 2.5\mu\text{W}/\text{MHz}$ (-26dBm/MHz)	PASS
2387~2400MHz	-55.698	-20.135	-40.680	$\leq 25\mu\text{W}/\text{MHz}$ (-16dBm/MHz)	PASS
2483.5~2496.5MHz	-49.717	-20.059	-56.985	$\leq 25\mu\text{W}/\text{MHz}$ (-16dBm/MHz)	PASS
2496.5~13000MHz	-47.605	-47.225	-47.265	$\leq 2.5\mu\text{W}/\text{MHz}$ (-26dBm/MHz)	PASS
Test Mode	11ax HE20/ CH1,CH7,CH13			Limit	Results
	2412	2442	2472		
30~1000MHz	-50.364	-51.876	-51.255	$\leq 2.5\mu\text{W}/\text{MHz}$ (-26dBm/MHz)	PASS
1000~2387MHz	-35.021	-50.021	-49.281	$\leq 2.5\mu\text{W}/\text{MHz}$ (-26dBm/MHz)	PASS
2387~2400MHz	-55.257	-33.043	-47.772	$\leq 25\mu\text{W}/\text{MHz}$ (-16dBm/MHz)	PASS
2483.5~2496.5MHz	-34.224	-35.737	-56.624	$\leq 25\mu\text{W}/\text{MHz}$ (-16dBm/MHz)	PASS
2496.5~13000MHz	-47.266	-47.816	-47.914	$\leq 2.5\mu\text{W}/\text{MHz}$ (-26dBm/MHz)	PASS
Test Mode	11ax HE40/ CH3,CH7,CH11			Limit	Results
	2422	2442	2462		
30~1000MHz	-50.921	-50.947	-51.143	$\leq 2.5\mu\text{W}/\text{MHz}$ (-26dBm/MHz)	PASS
1000~2387MHz	-34.312	-49.464	-49.313	$\leq 2.5\mu\text{W}/\text{MHz}$ (-26dBm/MHz)	PASS
2387~2400MHz	-46.639	-33.612	-44.292	$\leq 25\mu\text{W}/\text{MHz}$ (-16dBm/MHz)	PASS
2483.5~2496.5MHz	-47.134	-34.595	-45.546	$\leq 25\mu\text{W}/\text{MHz}$ (-16dBm/MHz)	PASS
2496.5~13000MHz	-46.960	-46.302	-47.266	$\leq 2.5\mu\text{W}/\text{MHz}$ (-26dBm/MHz)	PASS

B.5 Carrier Sense Function

EUT: LTE USB WIFI Stick		
M/N: Wai-Link		
Test date: 2026-06-25	Pressure: 102.1 kpa	Humidity: 52.2%
Tested by: Carl	Test Site: RF Site	Temperature: 23.3 °C

Test Mode	Type of the interference Signal	Injection Time (s)	Interference Singnal Level(mV/m)	Does the EUT stop transmitting
WIFI2.4G 11ax40-2422	Unmodulated	12.04	100	Yes

B.6 Secondary Radiated Emissions (Conducted)

EUT: LTE USB WIFI Stick		
M/N: Wai-Link		
Test date: 2026-06-24	Pressure: 102.1 kpa	Humidity: 52.2%
Tested by: Carl	Test Site: RF Site	Temperature: 23.3 °C

Test Mode	11b/CH1,CH7,CH13			Limit	Results
	2412	2442	2472		
30~1000MHz	-80.309	-80.870	-80.536	$\leq 4\text{nW}$ (-54dBm/100kHz)	PASS
1000 ~13000MHz	-66.420	-66.487	-66.519	$\leq 20\text{n W}$ (-47dBm/MHz)	PASS
Test Mode	11g/CH1,CH7,CH13			Limit	Results
	2412	2442	2472		
30~1000MHz	-80.714	-80.072	-80.182	$\leq 4\text{nW}$ (-54dBm/100kHz)	PASS
1000 ~13000MHz	-65.537	-66.842	-65.789	$\leq 20\text{n W}$ (-47dBm/MHz)	PASS
Test Mode	11n HT20/CH1,CH7,CH13			Limit	Results
	2412	2442	2472		
30~1000MHz	-80.332	-80.491	-78.889	$\leq 4\text{nW}$ (-54dBm/100kHz)	PASS
1000 ~13000MHz	-66.195	-66.837	-66.354	$\leq 20\text{n W}$ (-47dBm/MHz)	PASS
Test Mode	11n HT40/CH3,CH7,CH11			Limit	Results
	2422	2442	2462		
30~1000MHz	-80.303	-80.445	-80.537	$\leq 4\text{nW}$ (-54dBm/100kHz)	PASS
1000 ~13000MHz	-67.379	-66.835	-77.099	$\leq 20\text{n W}$ (-47dBm/MHz)	PASS
Test Mode	11ax HE20/CH1,CH7,CH13			Limit	Results
	2412	2442	2472		
30~1000MHz	-80.509	-90.734	-80.105	$\leq 4\text{nW}$ (-54dBm/100kHz)	PASS
1000 ~13000MHz	-66.918	-66.525	-66.830	$\leq 20\text{n W}$ (-47dBm/MHz)	PASS
Test Mode	11ax HE40/CH3,CH7,CH11			Limit	Results
	2422	2442	2462		
30~1000MHz	-80.502	-80.717	-80.606	$\leq 4\text{nW}$ (-54dBm/100kHz)	PASS
1000 ~13000MHz	-65.852	-66.624	-66.684	$\leq 20\text{n W}$ (-47dBm/MHz)	PASS