

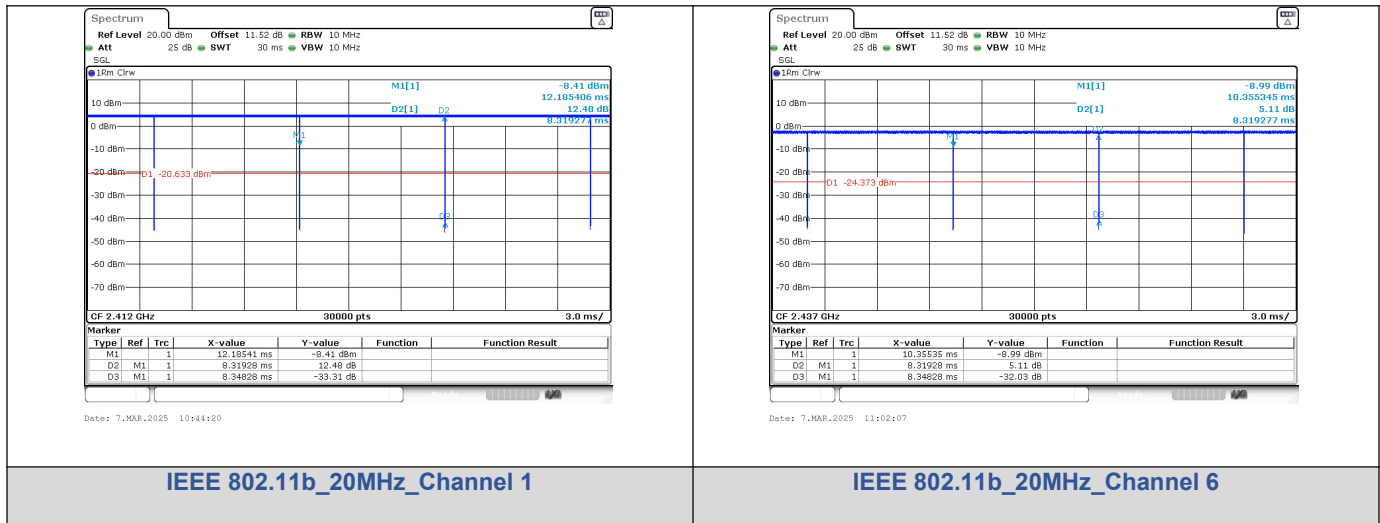
Appendix Report

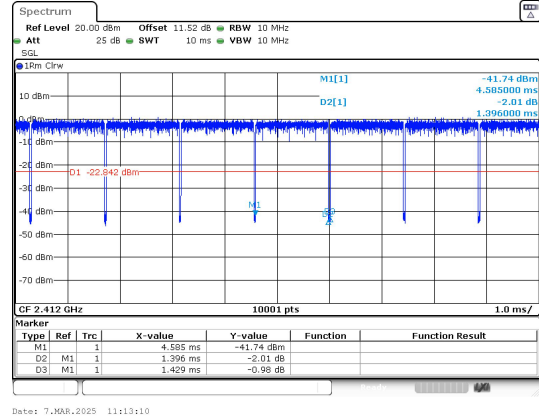
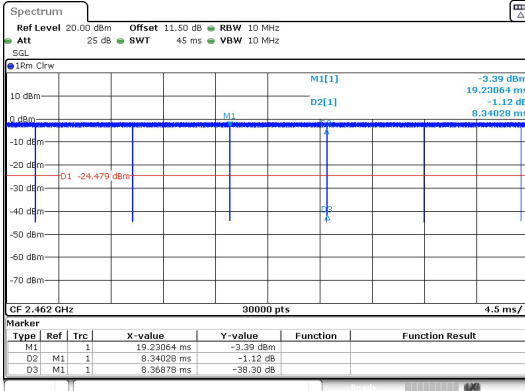
Report No.:	CISRR25030503507
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

Test Result

Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	8.319	8.348	99.65	0.9965	0.0152	0.1202
		6		8.319	8.348	99.65	0.9965	0.0152	0.1202
		11		8.340	8.369	99.66	0.9966	0.0148	0.1199
IEEE 802.11g		1		1.396	1.429	97.69	0.9769	0.1015	0.7163
		6		1.396	1.429	97.69	0.9769	0.1015	0.7163
		11		1.396	1.429	97.69	0.9769	0.1015	0.7163
IEEE 802.11n_20	MCS 0	1		1.292	1.326	97.44	0.9744	0.1126	0.7740
		6		1.293	1.327	97.44	0.9744	0.1126	0.7734
		11		1.292	1.326	97.44	0.9744	0.1126	0.7740

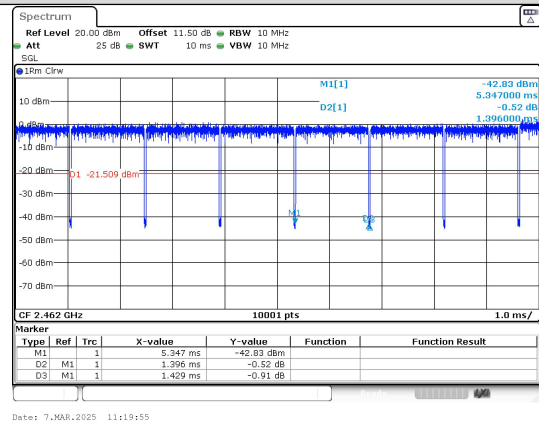
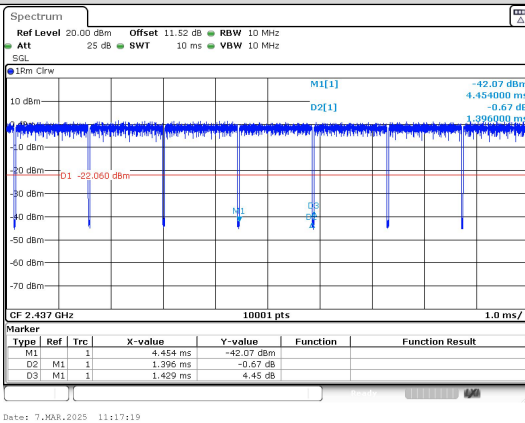
Test Graphs





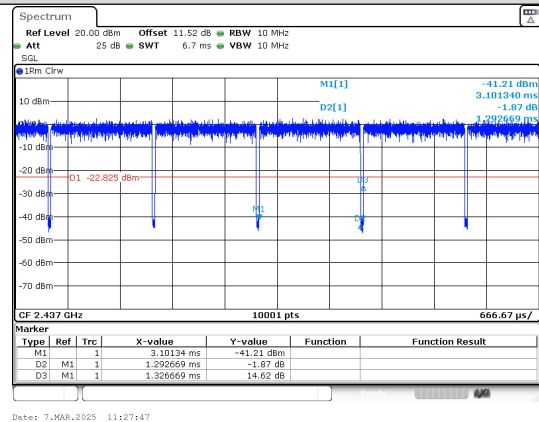
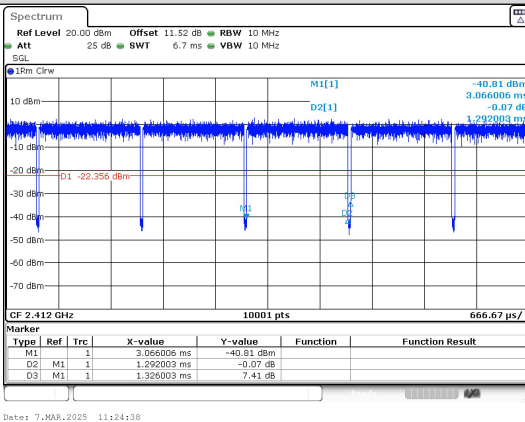
IEEE 802.11b_20MHz_Channel 11

IEEE 802.11g_20MHz_Channel 1



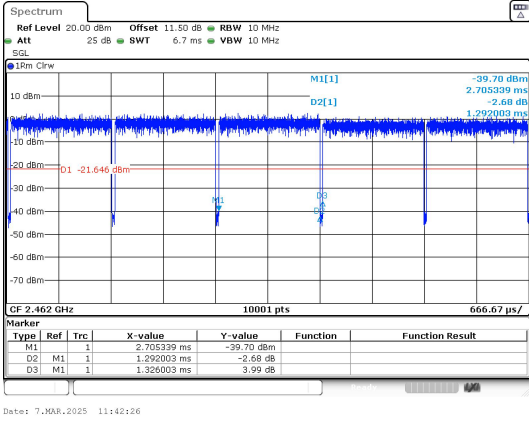
IEEE 802.11g_20MHz_Channel 6

IEEE 802.11g_20MHz_Channel 11



IEEE 802.11n_20MHz_Channel 1

IEEE 802.11n_20MHz_Channel 6



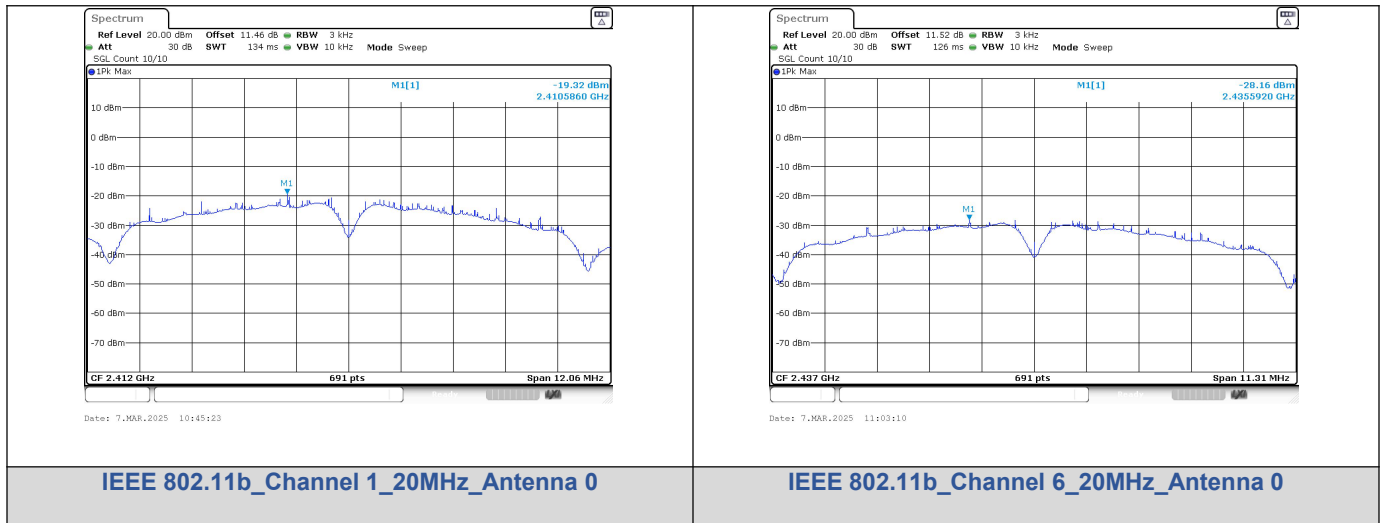
IEEE 802.11n_20MHz_Channel 11

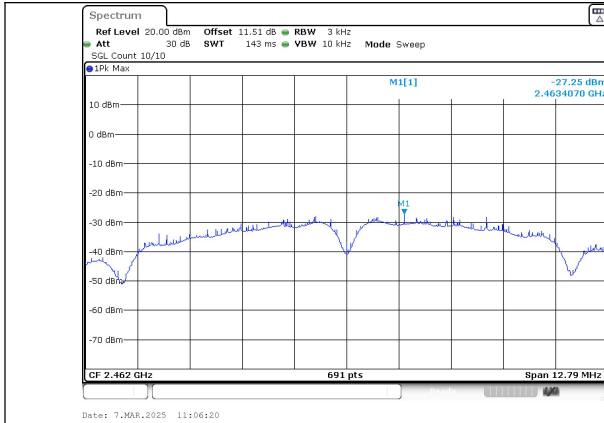
Power Spectral Density

Test Result

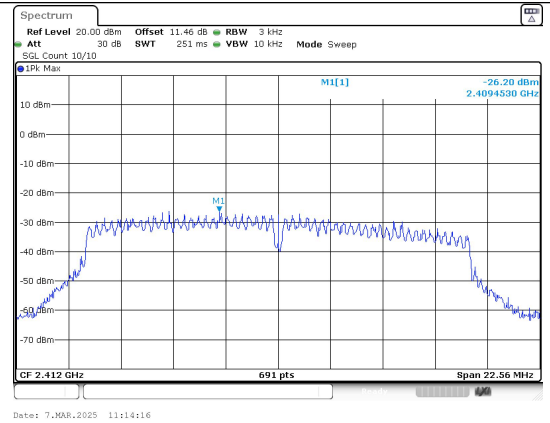
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-19.320	≤8	PASS
	6	-28.160		PASS
	11	-27.250		PASS
IEEE 802.11g	1	-26.200		PASS
	6	-25.850		PASS
	11	-24.980		PASS
IEEE 802.11n_20	1	-25.810		PASS
	6	-25.220		PASS
	11	-26.710		PASS

Test Graphs

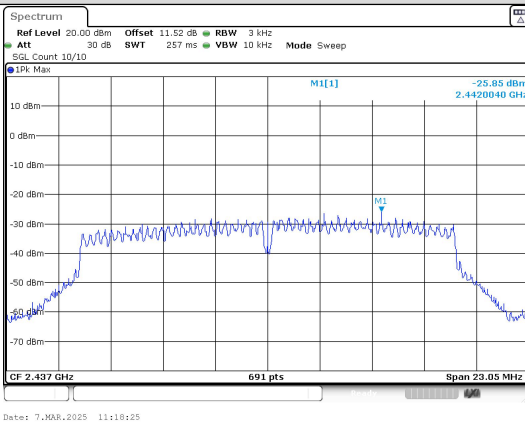




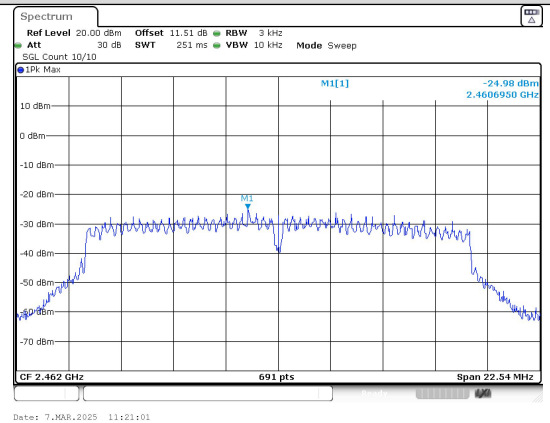
IEEE 802.11b_Channel 11_20MHz_Antenna 0



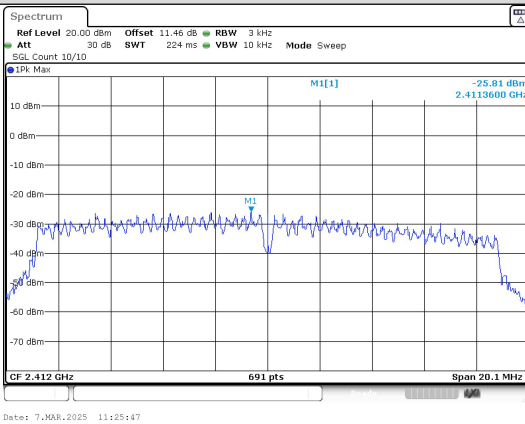
IEEE 802.11g_Channel 1_20MHz_Antenna 0



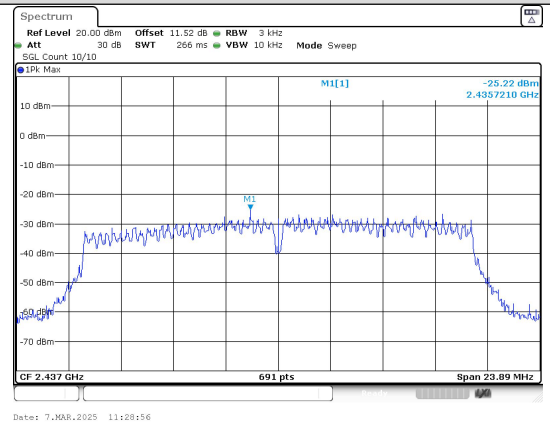
IEEE 802.11g_Channel 6_20MHz_Antenna 0



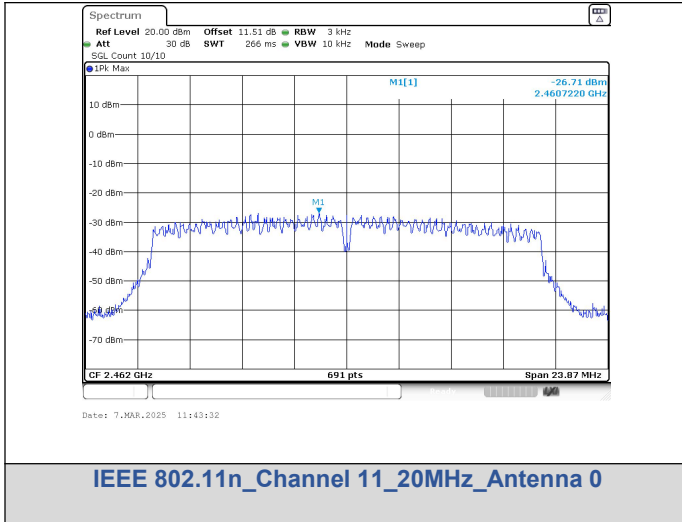
IEEE 802.11g_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 1_20MHz_Antenna 0



IEEE 802.11n_Channel 6_20MHz_Antenna 0



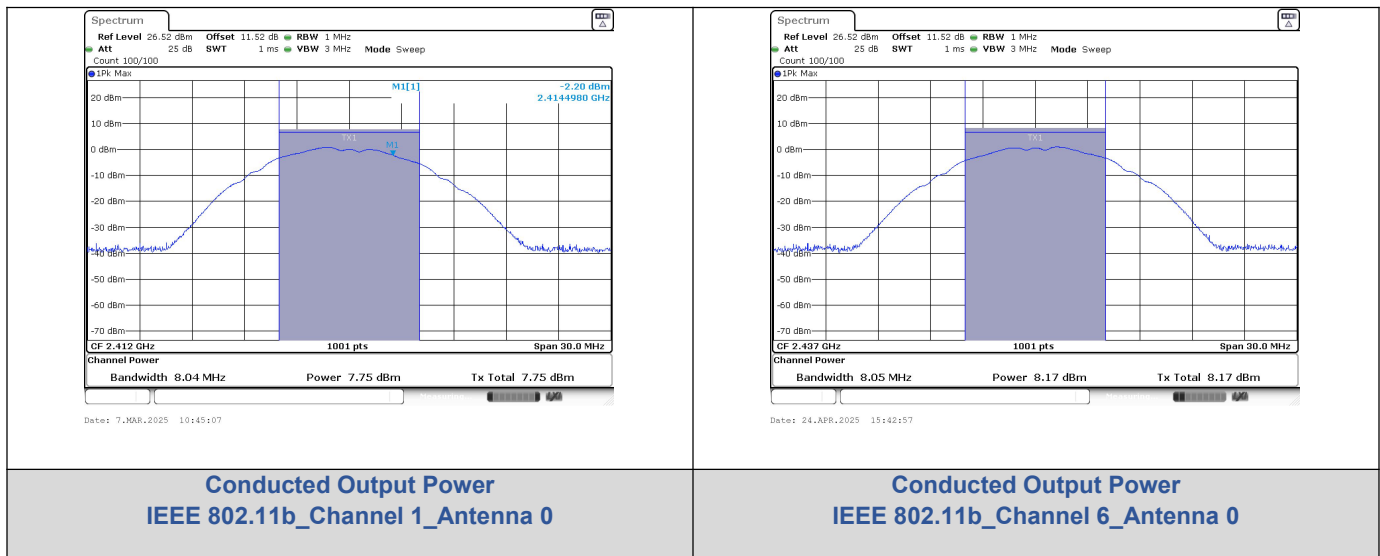
Conducted Output Power

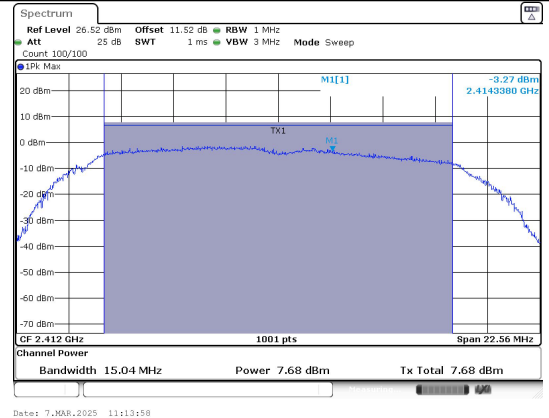
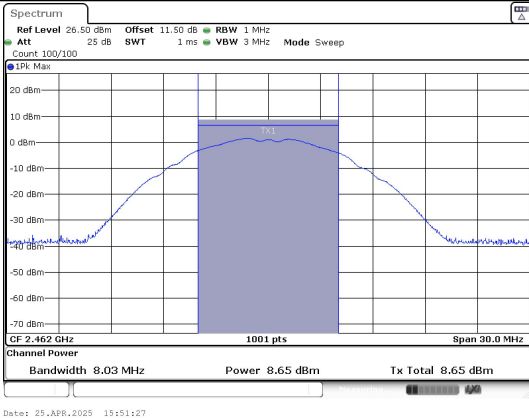
Test Result

Conducted Output Power

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	7.75	≤30	PASS
	6	8.17	≤30	PASS
	11	8.65	≤30	PASS
IEEE 802.11g	1	7.68	≤30	PASS
	6	7.24	≤30	PASS
	11	8.24	≤30	PASS
IEEE 802.11n_20	1	8.02	≤30	PASS
	6	7.91	≤30	PASS
	11	8.27	≤30	PASS

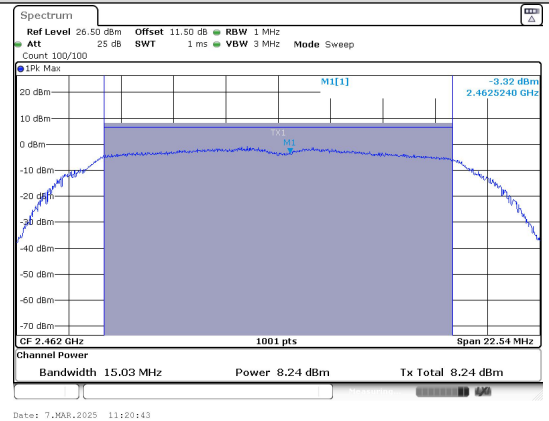
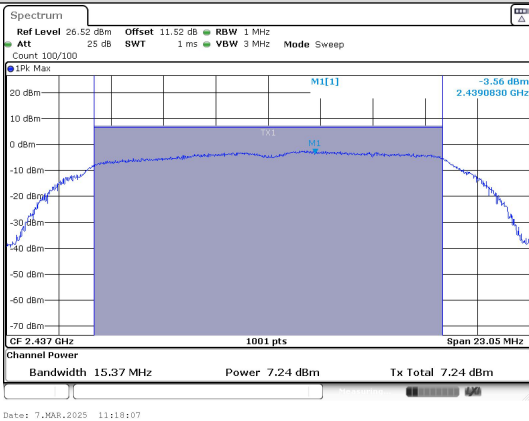
Test Graphs





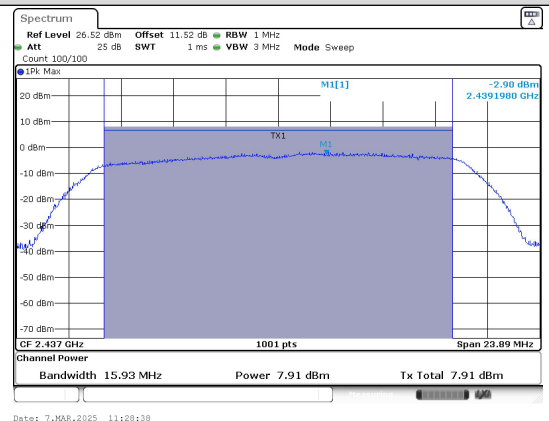
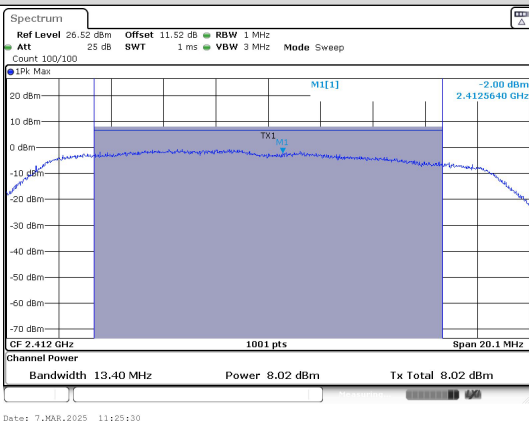
**Conducted Output Power
IEEE 802.11b_Channel 11_Antenna 0**

**Conducted Output Power
IEEE 802.11g_Channel 1_Antenna 0**



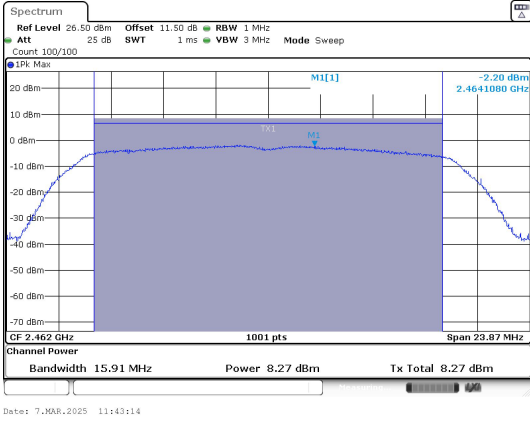
**Conducted Output Power
IEEE 802.11g_Channel 6_Antenna 0**

**Conducted Output Power
IEEE 802.11g_Channel 11_Antenna 0**



**Conducted Output Power
IEEE 802.11n_20_Channel 1_Antenna 0**

**Conducted Output Power
IEEE 802.11n_20_Channel 6_Antenna 0**



Conducted Output Power
IEEE 802.11n_20_Channel 11_Antenna 0

6dB Bandwidth

Test Result

Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	8.040	≥0.5	PASS
	6		2437	7.540		PASS
	11		2462	7.550		PASS
IEEE 802.11g	1		2412	15.04		PASS
	6		2437	15.37		PASS
	11		2462	15.03		PASS
IEEE 802.11n_20	1		2412	13.40		PASS
	6		2437	15.93		PASS
	11		2462	15.91		PASS

Test Graphs

