

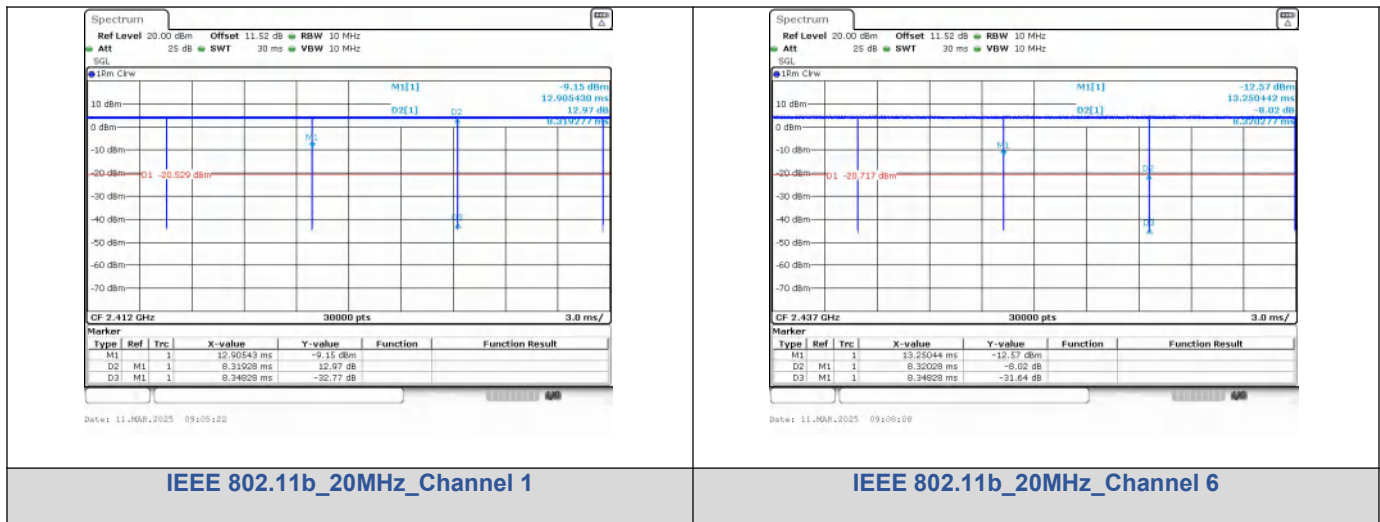
Appendix Report

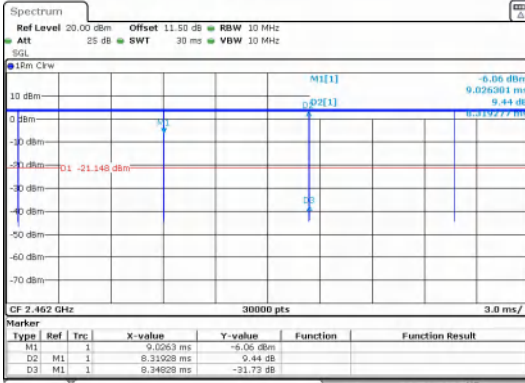
Report No.:	CISRR25030705307
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

Test Result

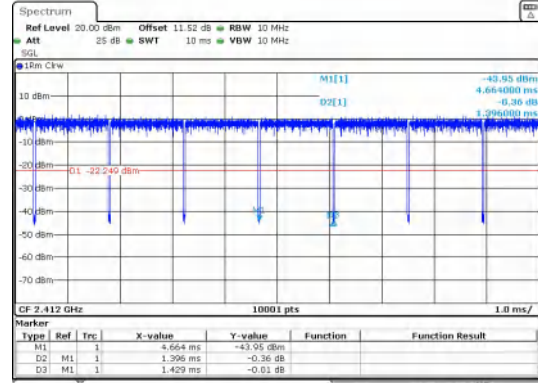
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	8.319	8.348	99.65	0.9965	0.0152	0.1202
		6		8.320	8.348	99.66	0.9966	0.0148	0.1202
		11		8.319	8.348	99.65	0.9965	0.0152	0.1202
IEEE 802.11g	1	1		1.396	1.429	97.69	0.9769	0.1015	0.7163
		6		1.396	1.429	97.69	0.9769	0.1015	0.7163
		11		1.396	1.430	97.62	0.9762	0.1046	0.7163
IEEE 802.11n_20	MCS 0	1		1.293	1.326	97.49	0.9749	0.1104	0.7734
		6		1.292	1.327	97.39	0.9739	0.1149	0.7740
		11		1.293	1.327	97.44	0.9744	0.1126	0.7734
IEEE 802.11n_40	MCS 0	3		0.650	0.684	94.94	0.9494	0.2255	1.5385
		6		0.650	0.684	94.94	0.9494	0.2255	1.5385
		9		0.650	0.684	94.94	0.9494	0.2255	1.5385

Test Graphs





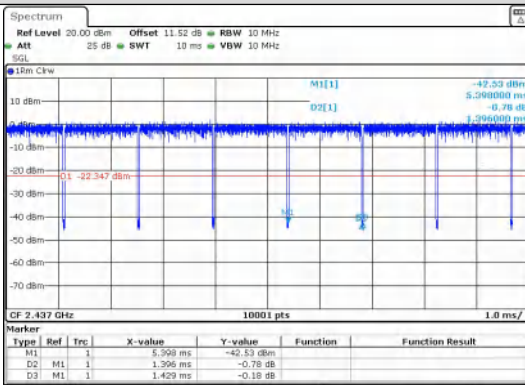
Date: 11/08/2025 09:10:17



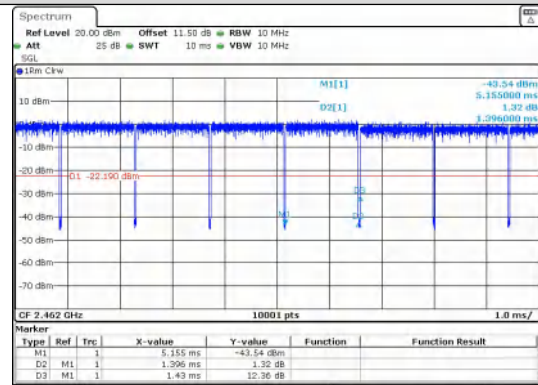
Date: 11/08/2025 11:24:50

IEEE 802.11b_20MHz_Channel 11

IEEE 802.11g_20MHz_Channel 1



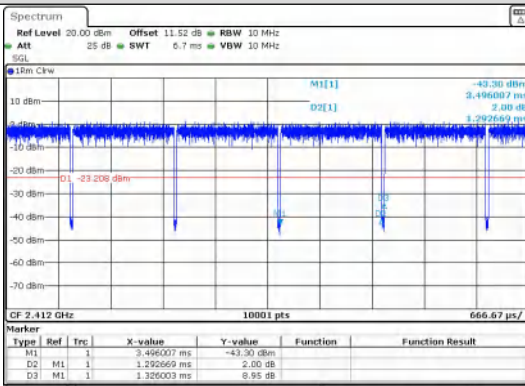
Date: 11/08/2025 11:27:45



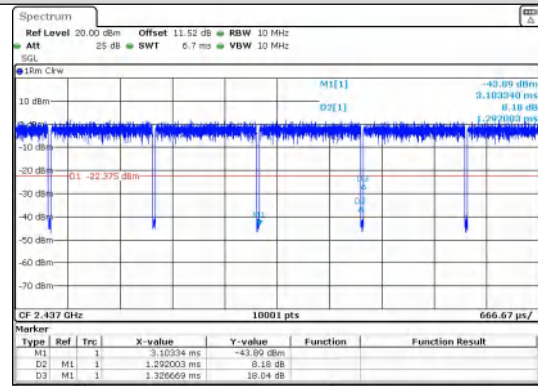
Date: 11/08/2025 11:30:14

IEEE 802.11g_20MHz_Channel 6

IEEE 802.11g_20MHz_Channel 11



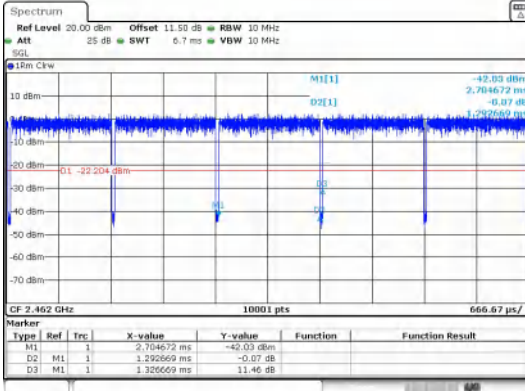
Date: 11/08/2025 09:12:157



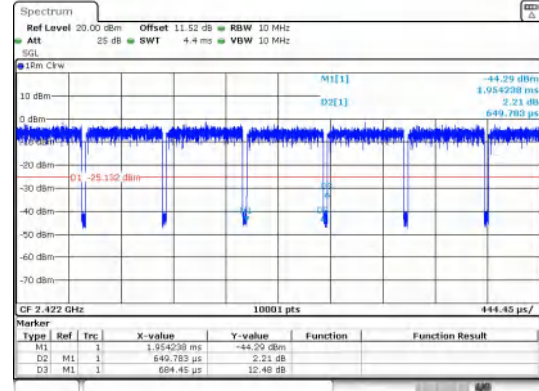
Date: 11/08/2025 09:12:4155

IEEE 802.11n_20MHz_Channel 1

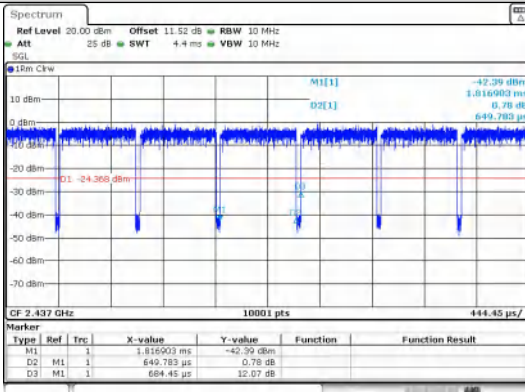
IEEE 802.11n_20MHz_Channel 6



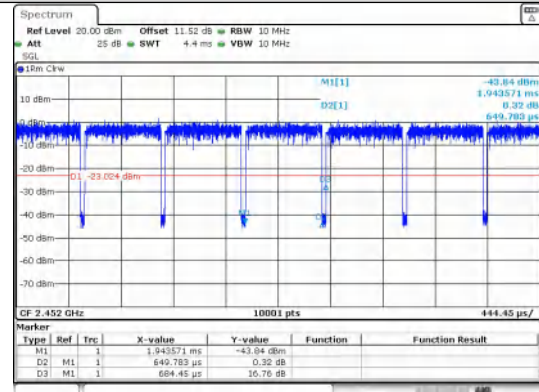
IEEE 802.11n_20MHz_Channel 11



IEEE 802.11n_40MHz_Channel 3



IEEE 802.11n_40MHz_Channel 6



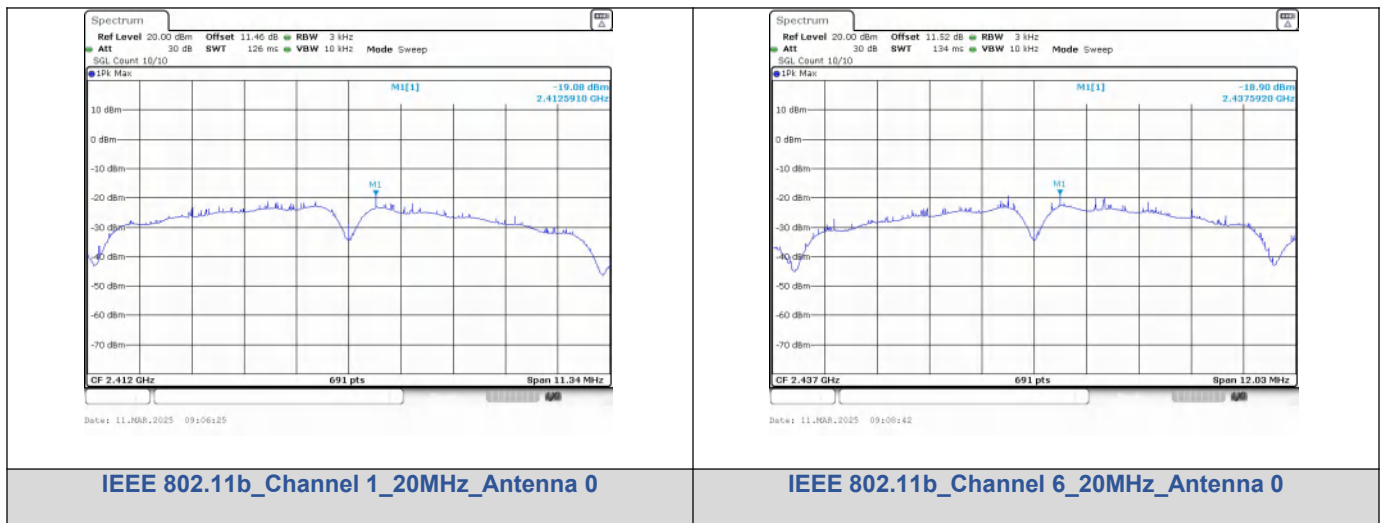
IEEE 802.11n_40MHz_Channel 9

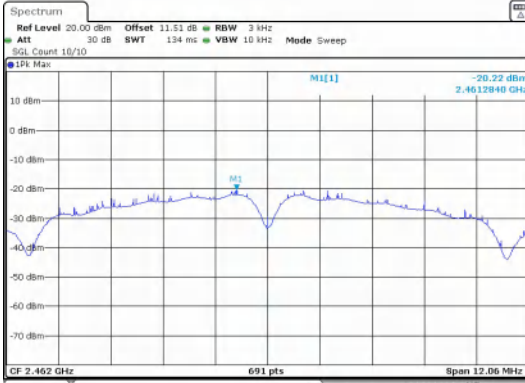
Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-19.080	≤8	PASS
	6	-18.900		PASS
	11	-20.220		PASS
IEEE 802.11g	1	-25.530		PASS
	6	-26.720		PASS
	11	-26.120		PASS
IEEE 802.11n_20	1	-24.840		PASS
	6	-25.660		PASS
	11	-26.220		PASS
IEEE 802.11n_40	3	-29.260		PASS
	6	-28.230		PASS
	9	-27.660		PASS

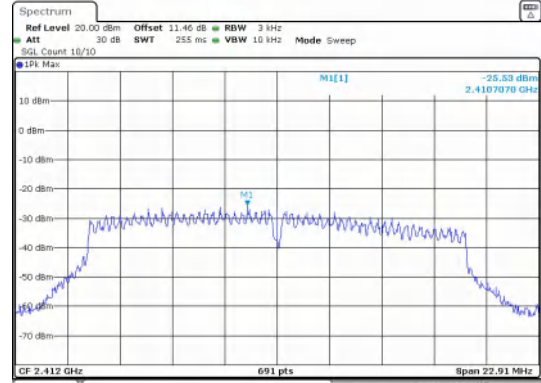
Test Graphs





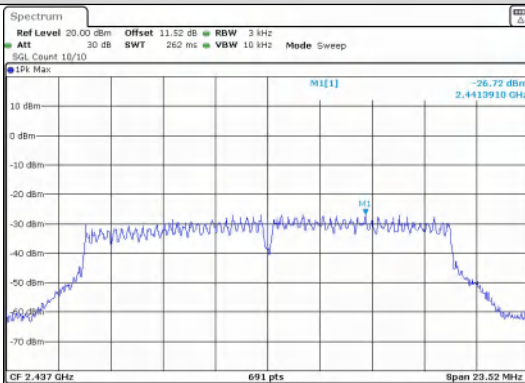
Date: 11/08/2025 09:11:10

IEEE 802.11b_Channel 11_20MHz_Antenna 0



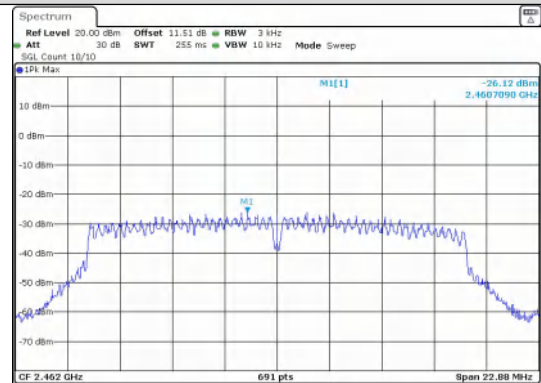
Date: 11/08/2025 11:25:16

IEEE 802.11g_Channel 1_20MHz_Antenna 0



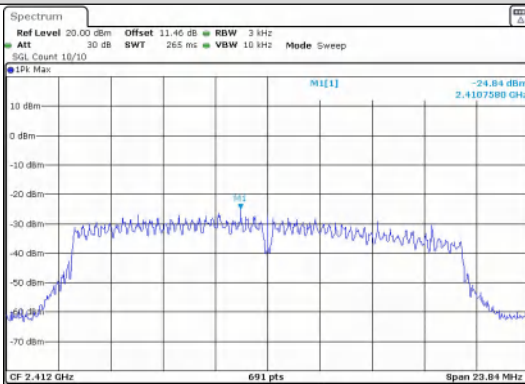
Date: 11/08/2025 11:28:10

IEEE 802.11g_Channel 6_20MHz_Antenna 0



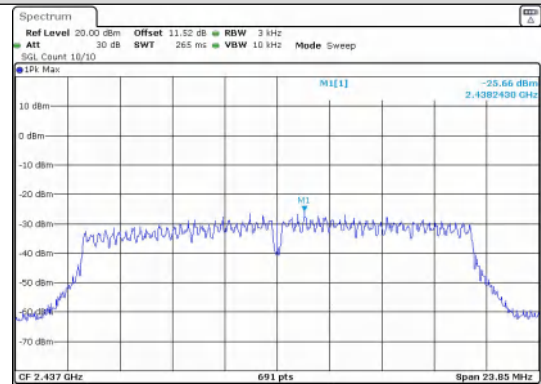
Date: 11/08/2025 11:31:20

IEEE 802.11g_Channel 11_20MHz_Antenna 0



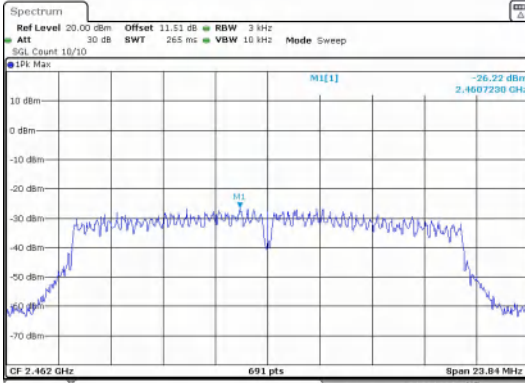
Date: 11/08/2025 09:23:07

IEEE 802.11n_Channel 1_20MHz_Antenna 0

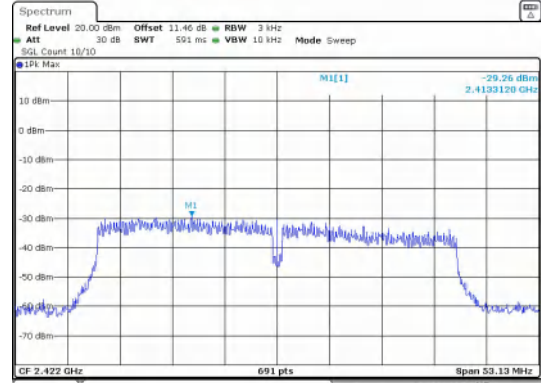


Date: 11/08/2025 09:26:04

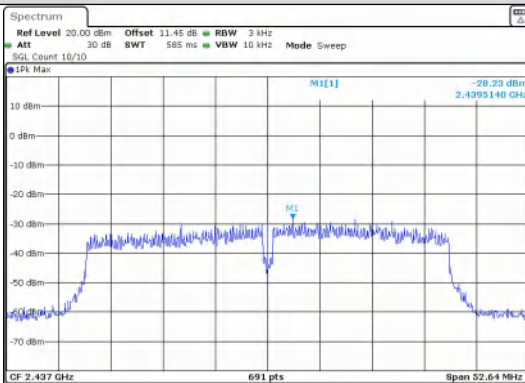
IEEE 802.11n_Channel 6_20MHz_Antenna 0



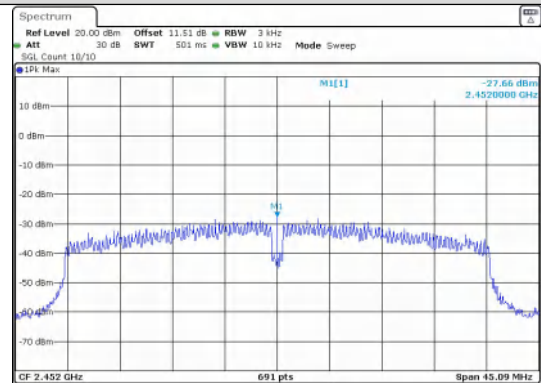
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



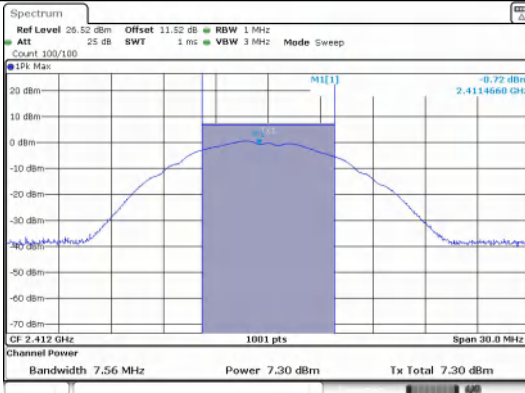
IEEE 802.11n_Channel 9_40MHz_Antenna 0

Conducted Output Power

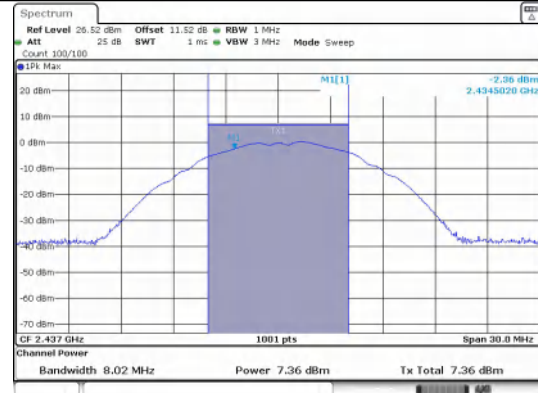
Test Result

Conducted Output Power

Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	7.30	≤30	PASS
	6	7.36	≤30	PASS
	11	8.51	≤30	PASS
IEEE 802.11g	1	7.86	≤30	PASS
	6	7.88	≤30	PASS
	11	8.37	≤30	PASS
IEEE 802.11n_20	1	7.51	≤30	PASS
	6	7.63	≤30	PASS
	11	8.23	≤30	PASS
IEEE 802.11n_40	3	7.55	≤30	PASS
	6	7.70	≤30	PASS
	9	7.78	≤30	PASS



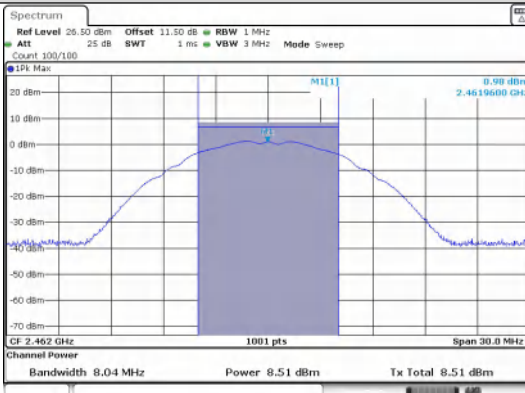
Date: 11.Nov.2025 09:06:09



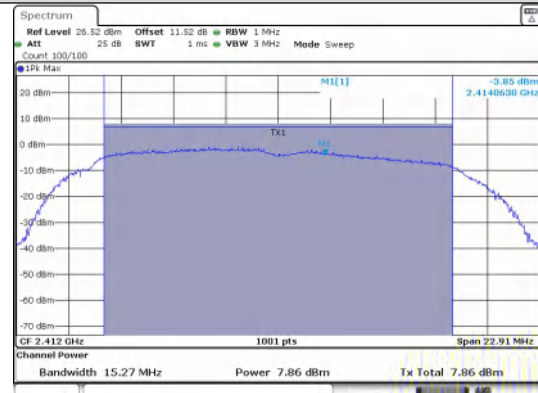
Date: 11.Nov.2025 09:06:26

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

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



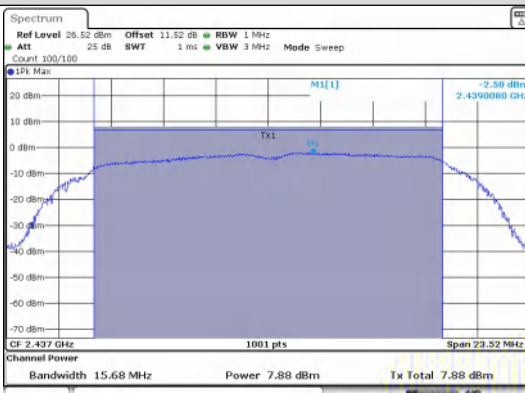
Date: 11.Nov.2025 09:11:04



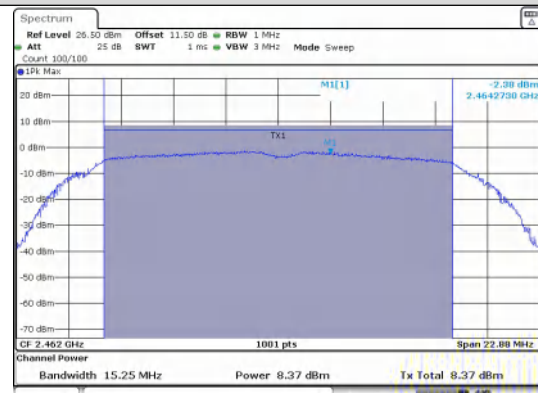
Date: 11.Nov.2025 11:25:39

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

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



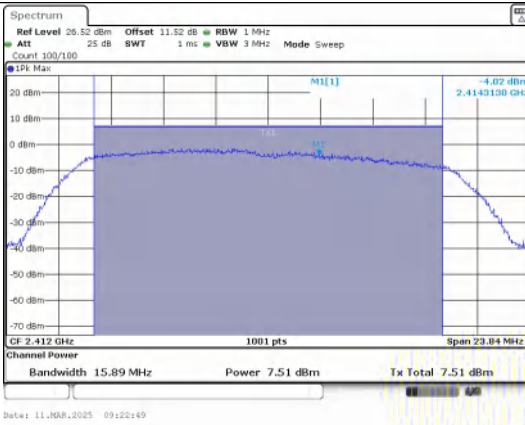
Date: 11.Nov.2025 11:29:32



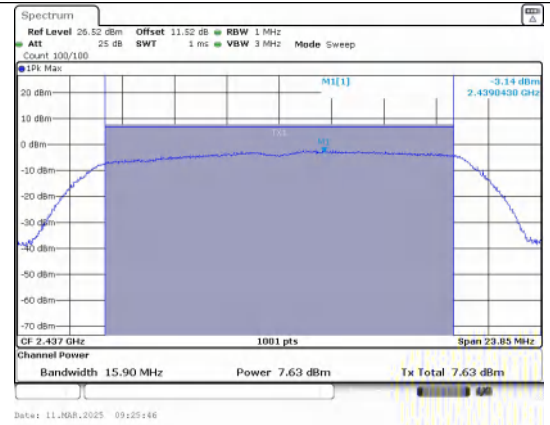
Date: 11.Nov.2025 11:31:02

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

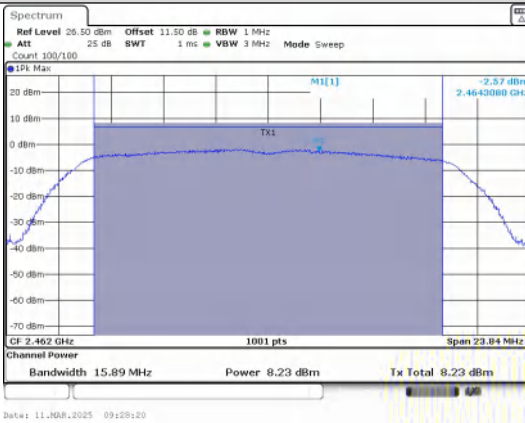
**Conducted Output Power
IEEE 802.11g_Channel 11_Antenna 0**



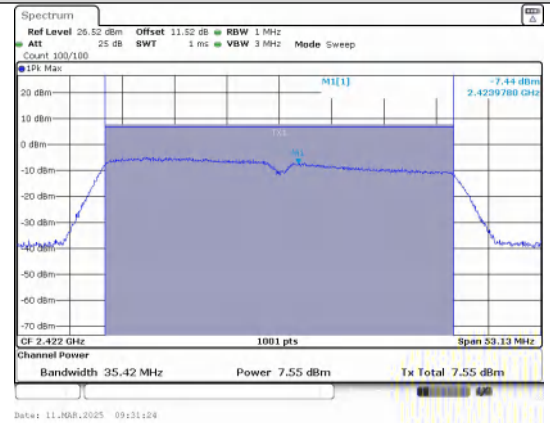
Conducted Output Power
IEEE 802.11n_20_Channel 1_Antenna 0



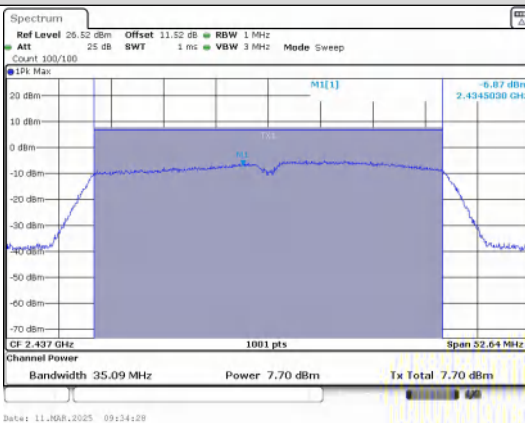
Conducted Output Power
IEEE 802.11n_20_Channel 6_Antenna 0



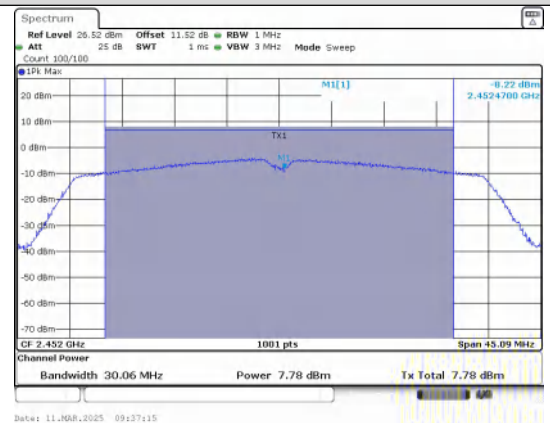
Conducted Output Power
IEEE 802.11n_20_Channel 11_Antenna 0



Conducted Output Power
IEEE 802.11n_40_Channel 3_Antenna 0



Conducted Output Power
IEEE 802.11n_40_Channel 6_Antenna 0



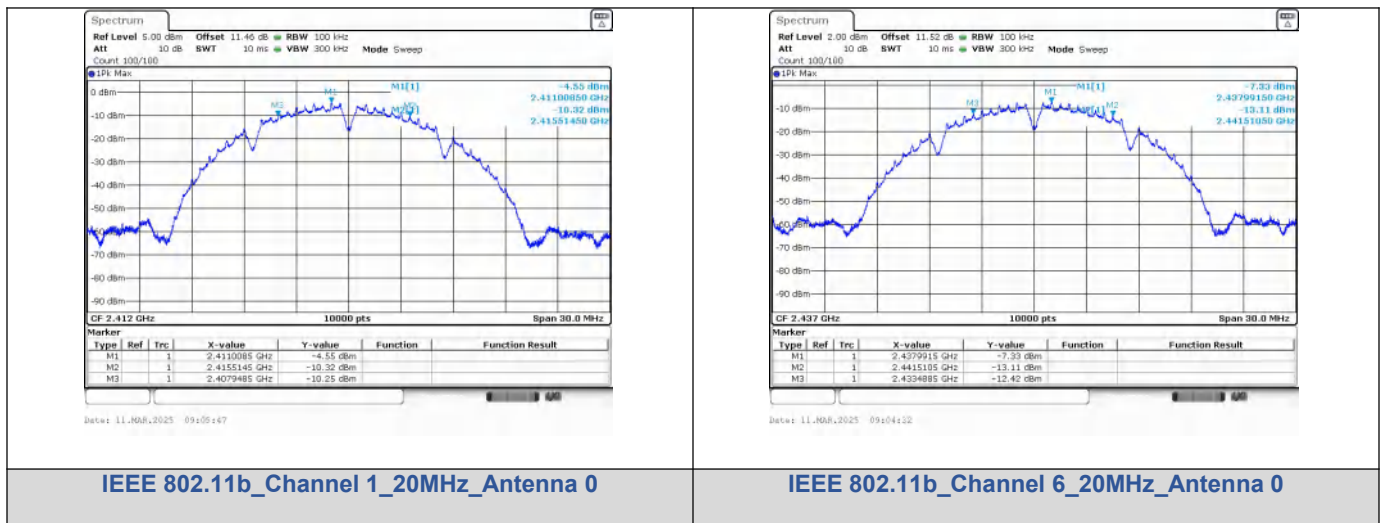
Conducted Output Power
IEEE 802.11n_40_Channel 9_Antenna 0

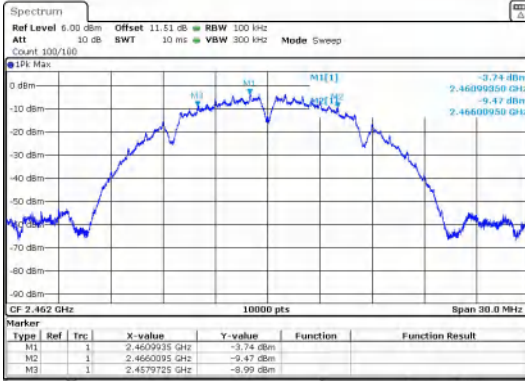
6dB Bandwidth

Test Result

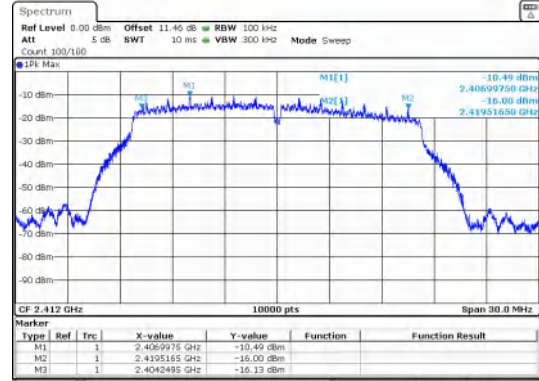
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	7.560	≥0.5	PASS
	6		2437	8.020		PASS
	11		2462	8.040		PASS
IEEE 802.11g	1		2412	15.27		PASS
	6		2437	15.68		PASS
	11		2462	15.25		PASS
IEEE 802.11n_20	1		2412	15.89		PASS
	6		2437	15.90		PASS
	11		2462	15.89		PASS
IEEE 802.11n_40	3		2422	35.42		PASS
	6		2437	35.09		PASS
	9		2452	30.06		PASS

Test Graphs

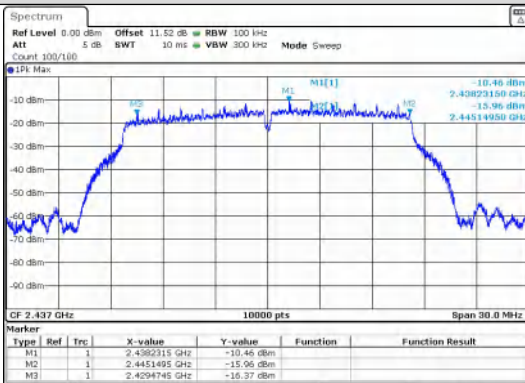




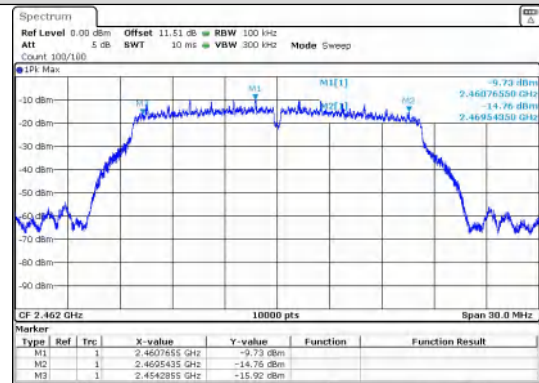
IEEE 802.11b_Channel 11_20MHz_Antenna 0



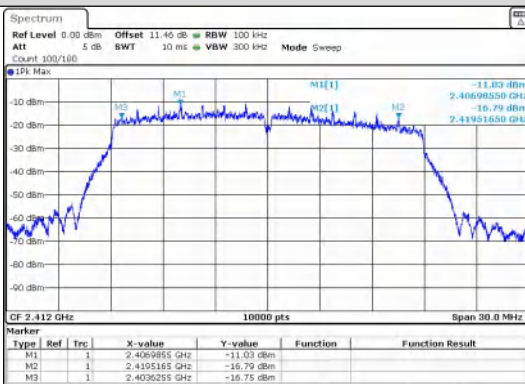
IEEE 802.11g_Channel 1_20MHz_Antenna 0



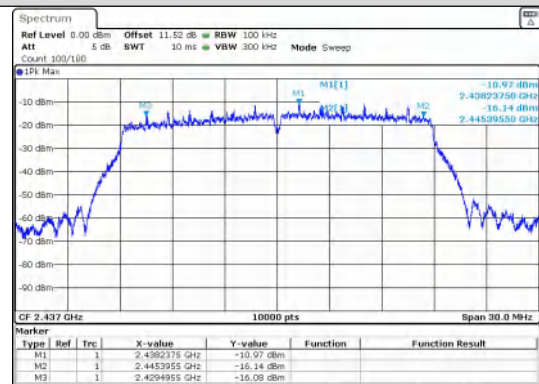
IEEE 802.11g_Channel 6_20MHz_Antenna 0



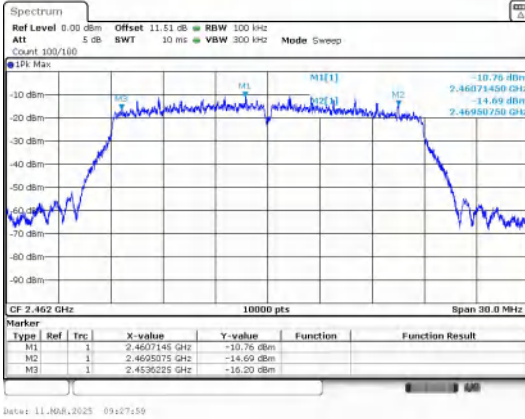
IEEE 802.11g_Channel 11_20MHz_Antenna 0



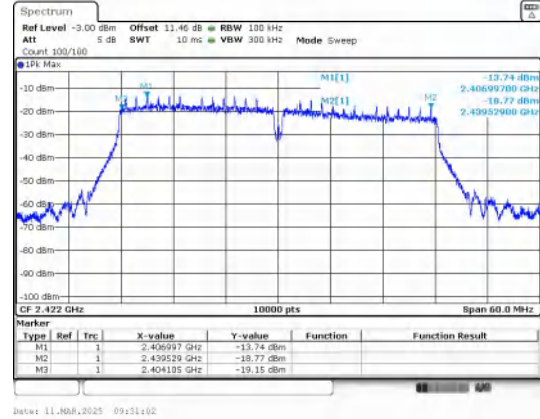
IEEE 802.11n_Channel 1_20MHz_Antenna 0



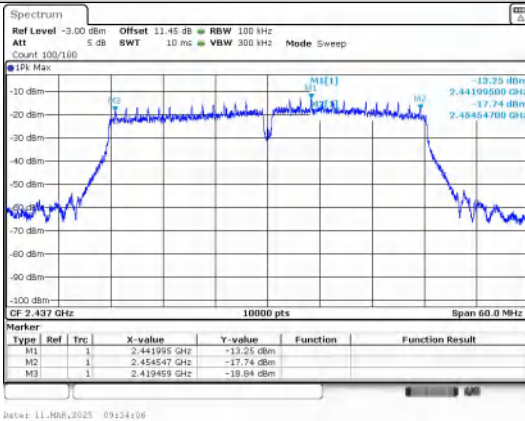
IEEE 802.11n_Channel 6_20MHz_Antenna 0



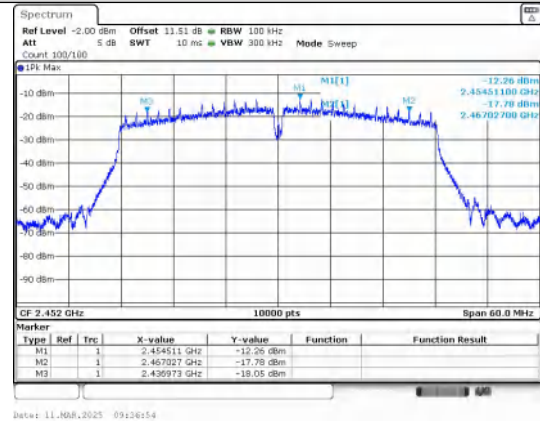
IEEE 802.11n_Channel 11_20MHz_Antenna 0



IEEE 802.11n_Channel 3_40MHz_Antenna 0



IEEE 802.11n_Channel 6_40MHz_Antenna 0



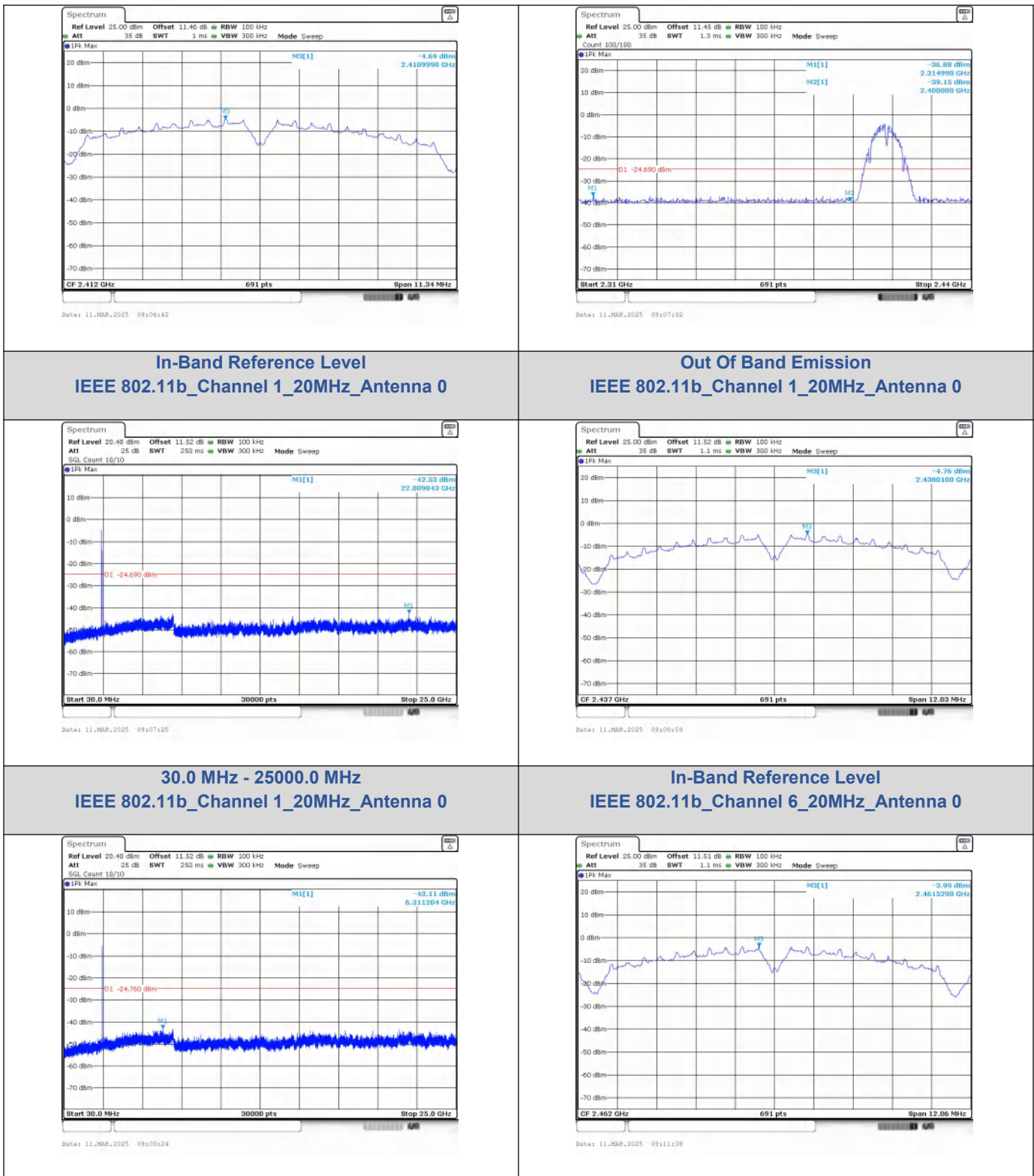
IEEE 802.11n_Channel 9_40MHz_Antenna 0

Conducted Out Of Band Emission

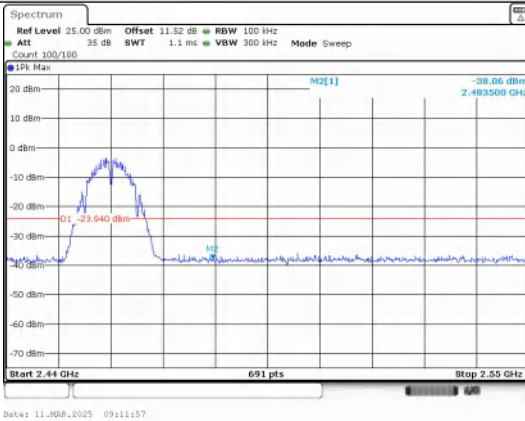
Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2314.99	-36.880	-24.69	-12.190	PASS
			2400.00	-39.150	-24.69	-14.460	PASS
			22009.8	-42.535	-24.69	-17.845	PASS
	6		6311.20	-43.114	-24.76	-18.354	PASS
	11		2483.50	-38.310	-23.94	-14.370	PASS
			6915.48	-41.790	-23.94	-17.850	PASS
IEEE 802.11g	1		2368.23	-37.182	-30.7	-6.482	PASS
			2400.00	-38.110	-30.7	-7.410	PASS
			6890.50	-43.381	-30.7	-12.681	PASS
	6		6990.39	-43.534	-30.43	-13.104	PASS
	11		2483.50	-38.590	-31.21	-7.380	PASS
			6912.15	-43.308	-31.21	-12.098	PASS
IEEE 802.11n_20	1		2340.01	-36.583	-30.88	-5.703	PASS
			2400.00	-38.070	-30.88	-7.190	PASS
			5865.90	-42.656	-30.88	-11.776	PASS
	6		6992.88	-42.920	-30.82	-12.100	PASS
	11		2483.50	-37.840	-29.78	-8.060	PASS
			6962.92	-43.272	-29.78	-13.492	PASS
IEEE 802.11n_40	3		2393.06	-36.602	-33.1	-3.502	PASS
			2400.00	-39.110	-33.1	-6.010	PASS
			6441.90	-42.987	-33.1	-9.887	PASS
	6		6955.43	-43.685	-32.55	-11.135	PASS
	9		2483.50	-38.830	-31.82	-7.010	PASS
			6952.93	-43.282	-31.82	-11.462	PASS

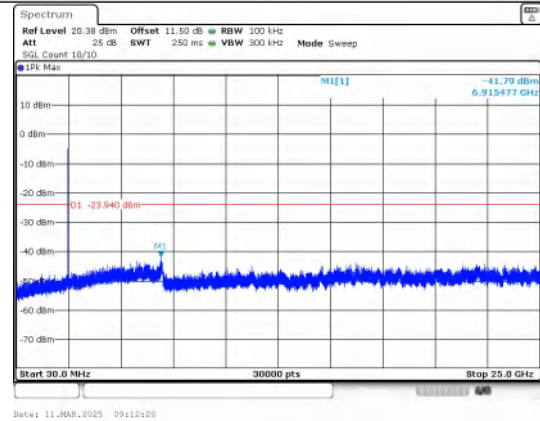
Test Graphs



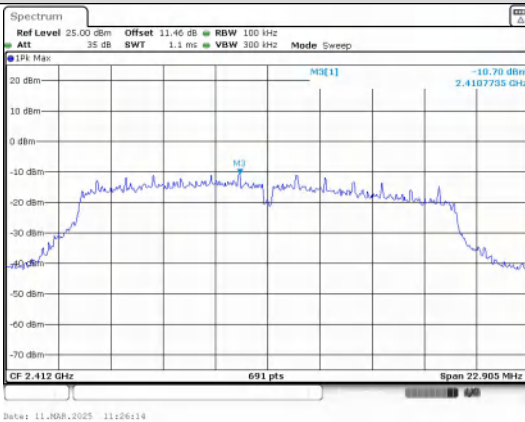
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0



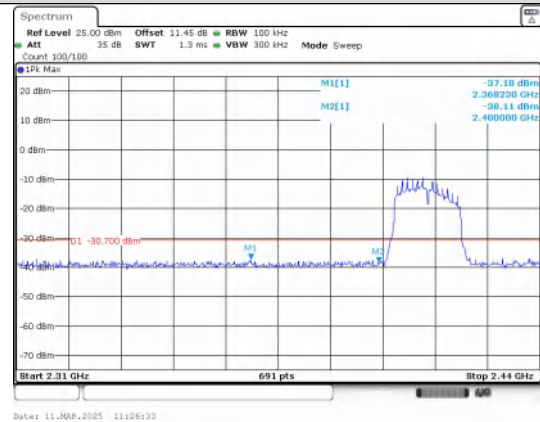
In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



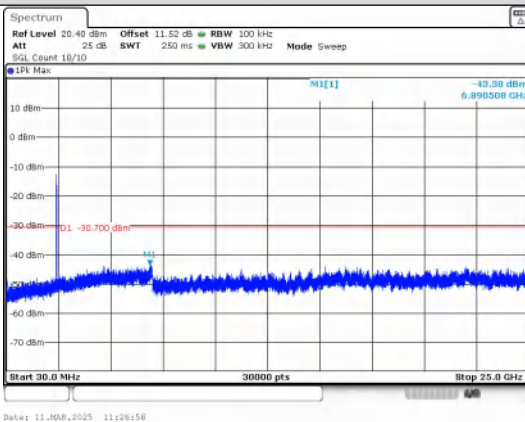
Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0



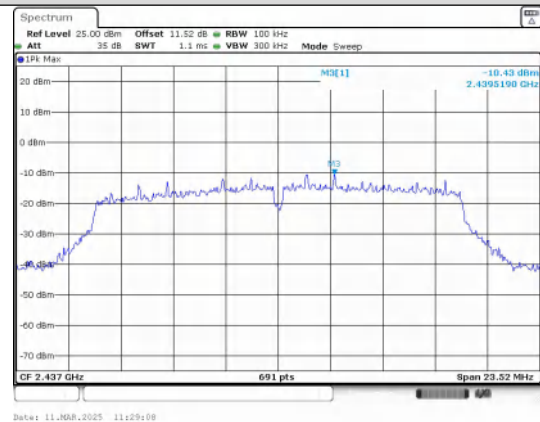
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0



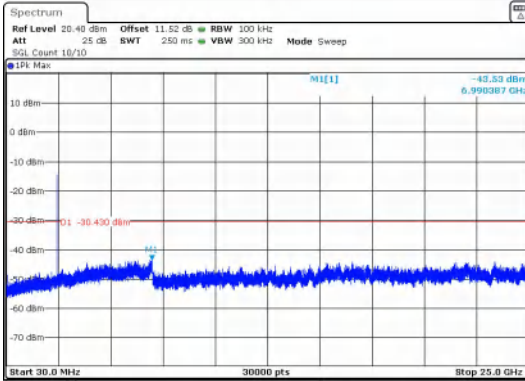
Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



30.0 MHz - 25000.0 MHz

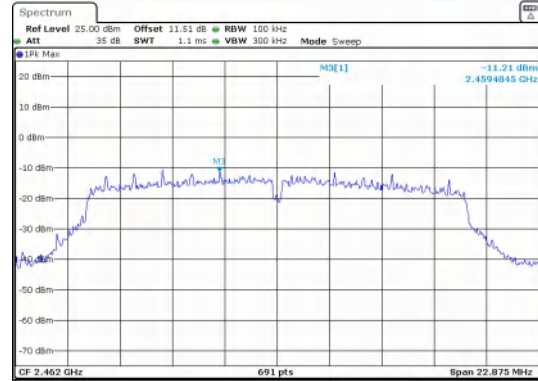
In-Band Reference Level

IEEE 802.11g_Channel 1_20MHz_Antenna 0



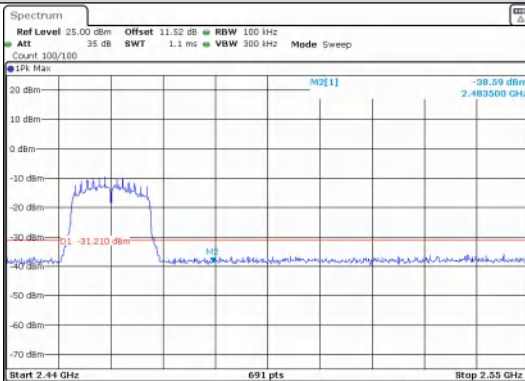
Date: 11/08/2025 11:29:33

IEEE 802.11g_Channel 6_20MHz_Antenna 0



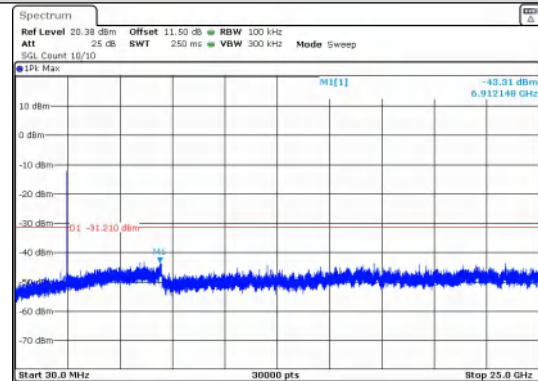
Date: 11/08/2025 11:31:37

30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 6_20MHz_Antenna 0



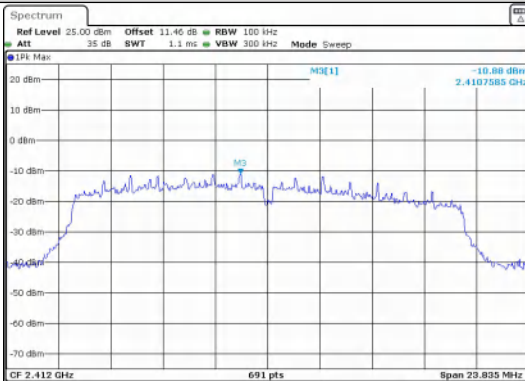
Date: 11/08/2025 11:31:57

In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



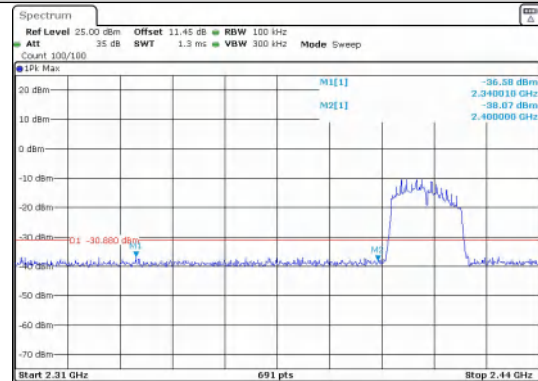
Date: 11/08/2025 11:32:20

Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



Date: 11/08/2025 09:23:24

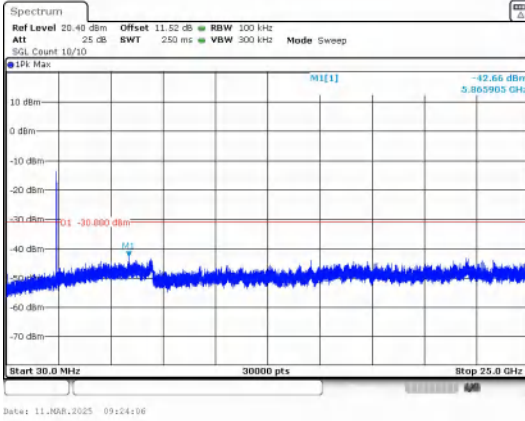
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 11_20MHz_Antenna 0



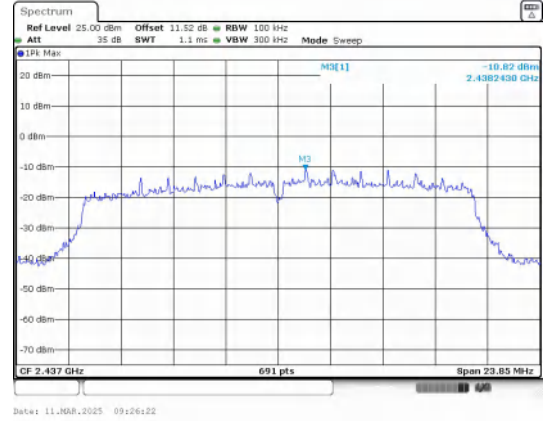
Date: 11/08/2025 09:23:44

In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0

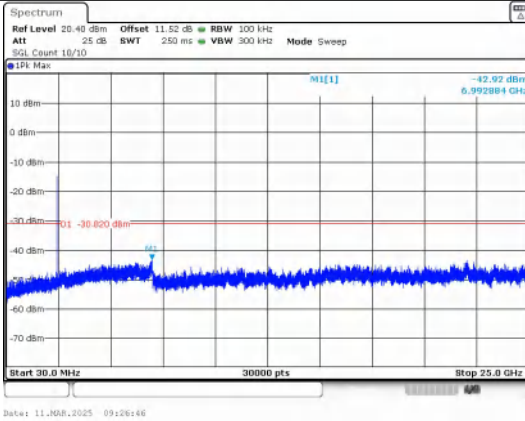
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0



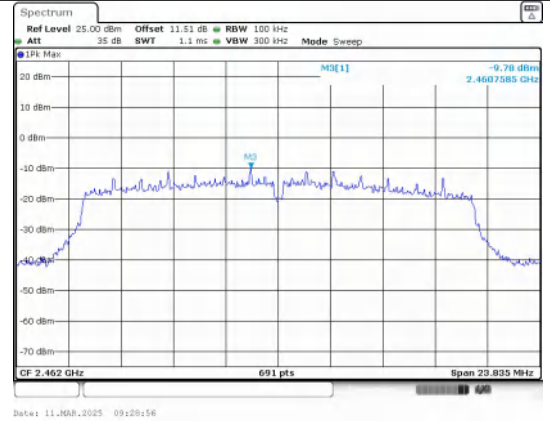
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0



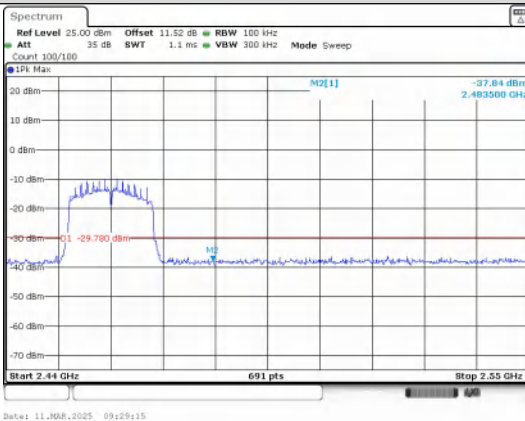
In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0



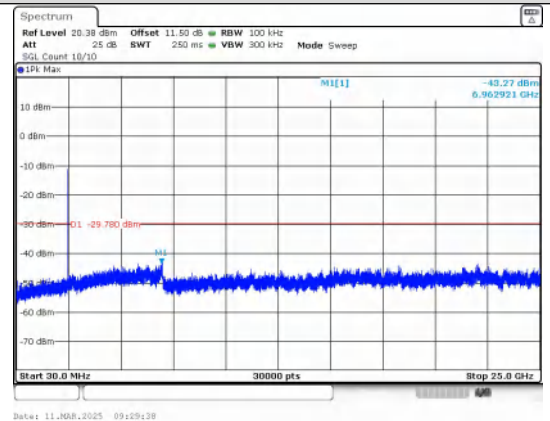
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0



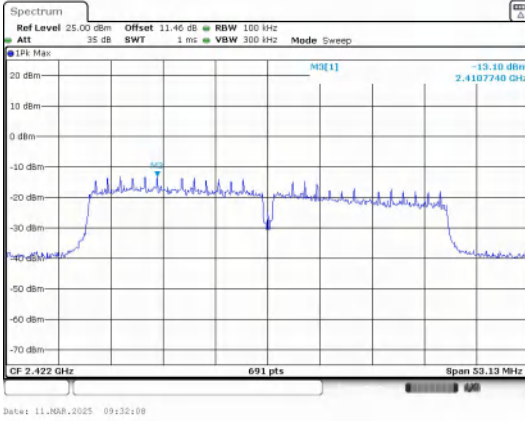
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



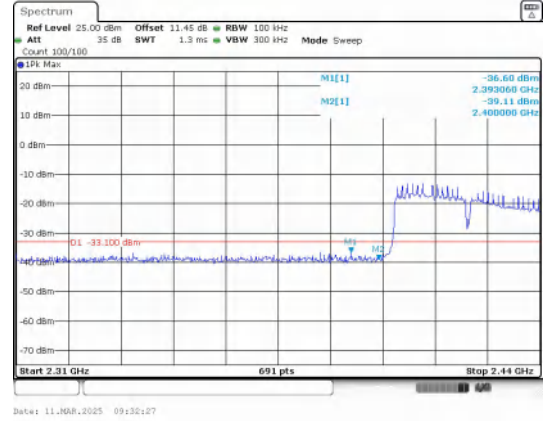
Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0



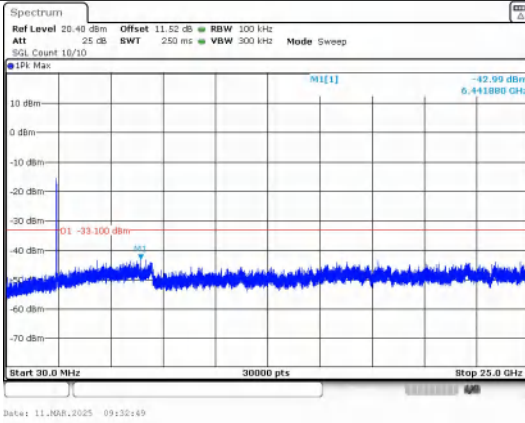
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0



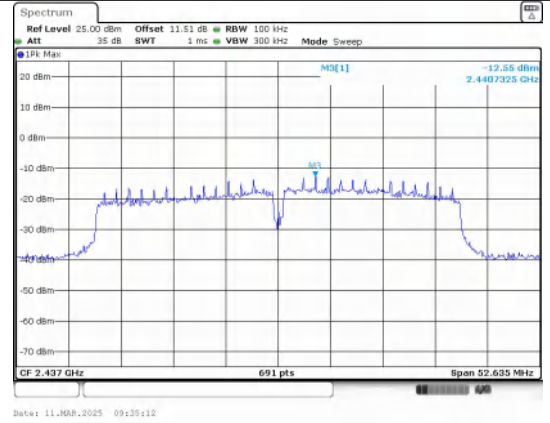
In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0



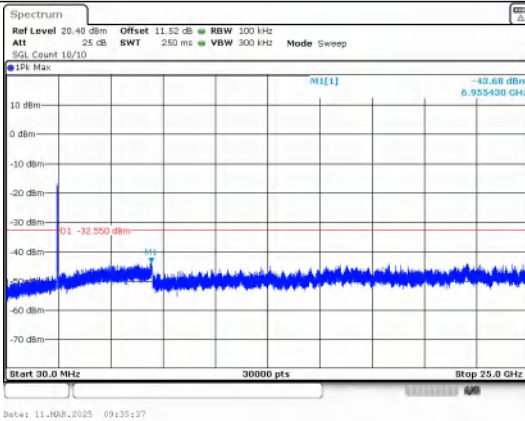
Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0



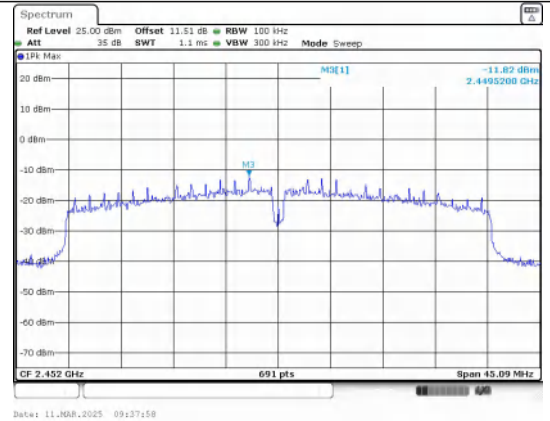
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0



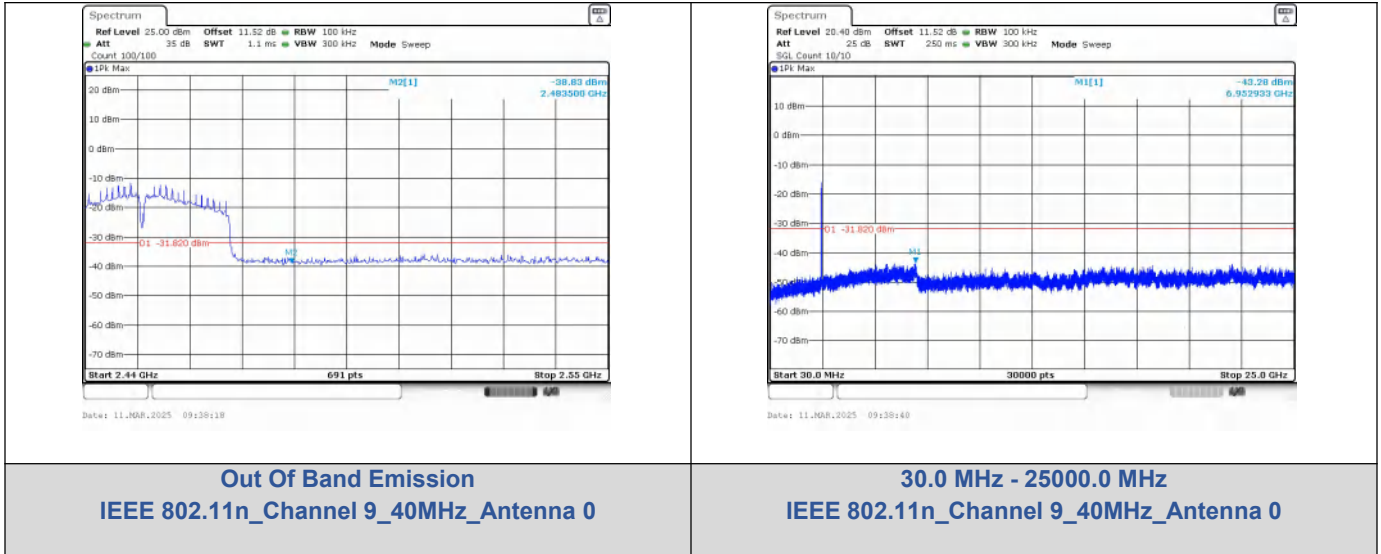
In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0



30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 9_40MHz_Antenna 0



-----End of the report-----