

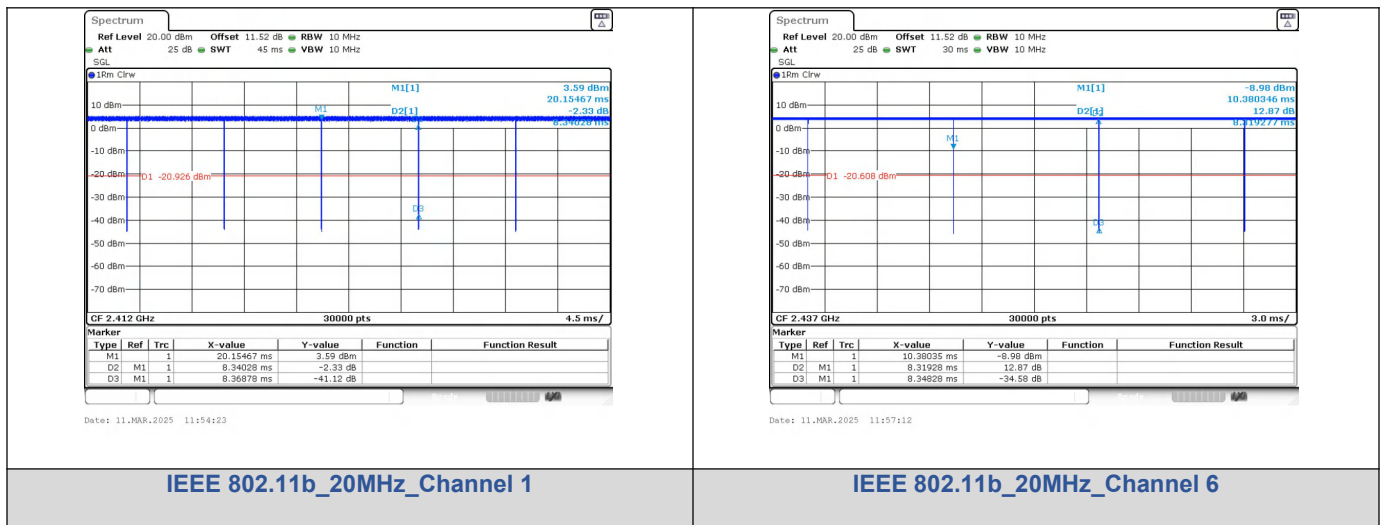
Appendix Report

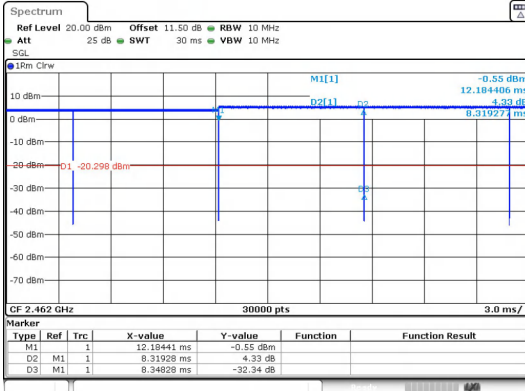
Report No.:	CISRR25030806604
Test Engineer:	Mark Fu
Supervised by:	Rory Huang

Test Result

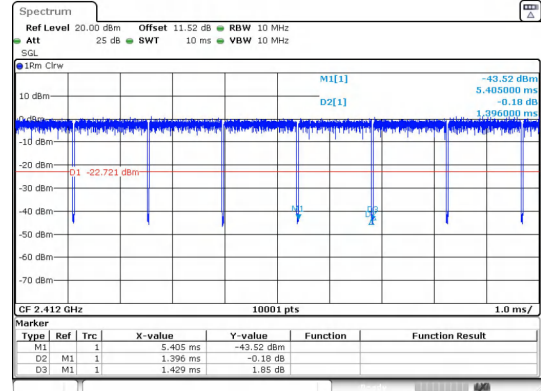
Mode	Data rates	Channel	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
IEEE 802.11b	1	1	1	8.340	8.369	99.66	0.9966	0.0148	0.1199
		6		8.319	8.348	99.65	0.9965	0.0152	0.1202
		11		8.319	8.348	99.65	0.9965	0.0152	0.1202
IEEE 802.11g		1		1.396	1.429	97.69	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		1.293	1.327	97.44	0.9744	0.1126	0.7734
		6		1.304	1.337	97.53	0.9753	0.1086	0.7669
		11		1.304	1.337	97.53	0.9753	0.1086	0.7669

Test Graphs





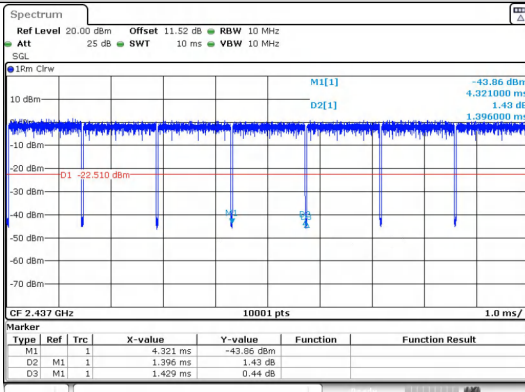
Date: 11.MAR.2025 14:03:27



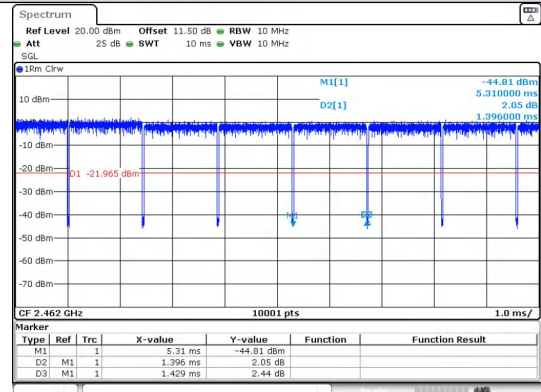
Date: 11.MAR.2025 14:06:34

IEEE 802.11b_20MHz_Channel 11

IEEE 802.11g_20MHz_Channel 1



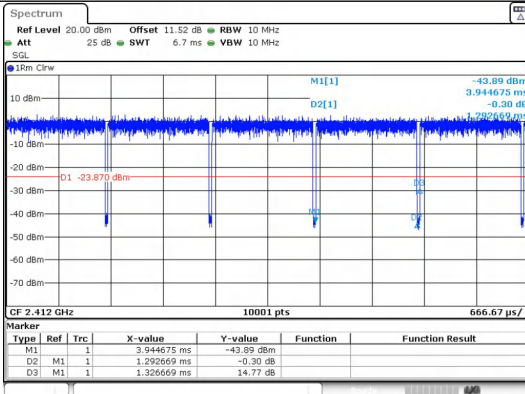
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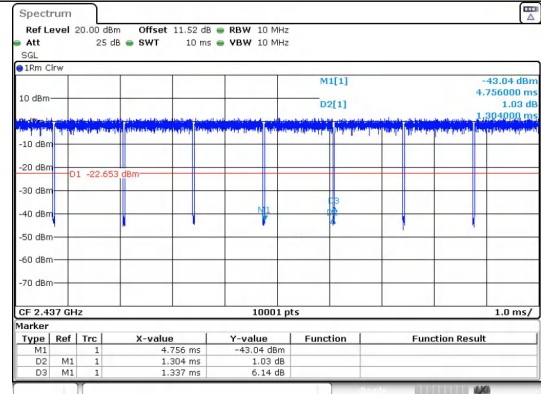
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IEEE 802.11g_20MHz_Channel 6

IEEE 802.11g_20MHz_Channel 11



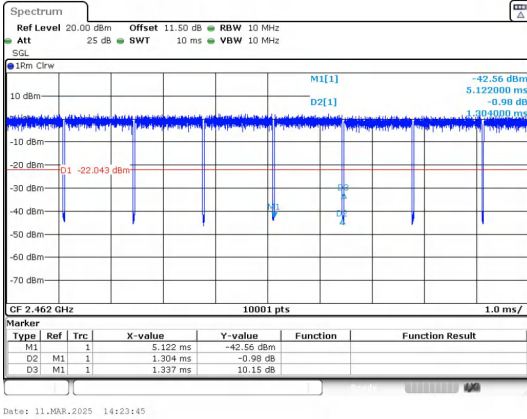
Date: 11.MAR.2025 14:18:19



Date: 11.MAR.2025 14:21:12

IEEE 802.11n_20MHz_Channel 1

IEEE 802.11n_20MHz_Channel 6



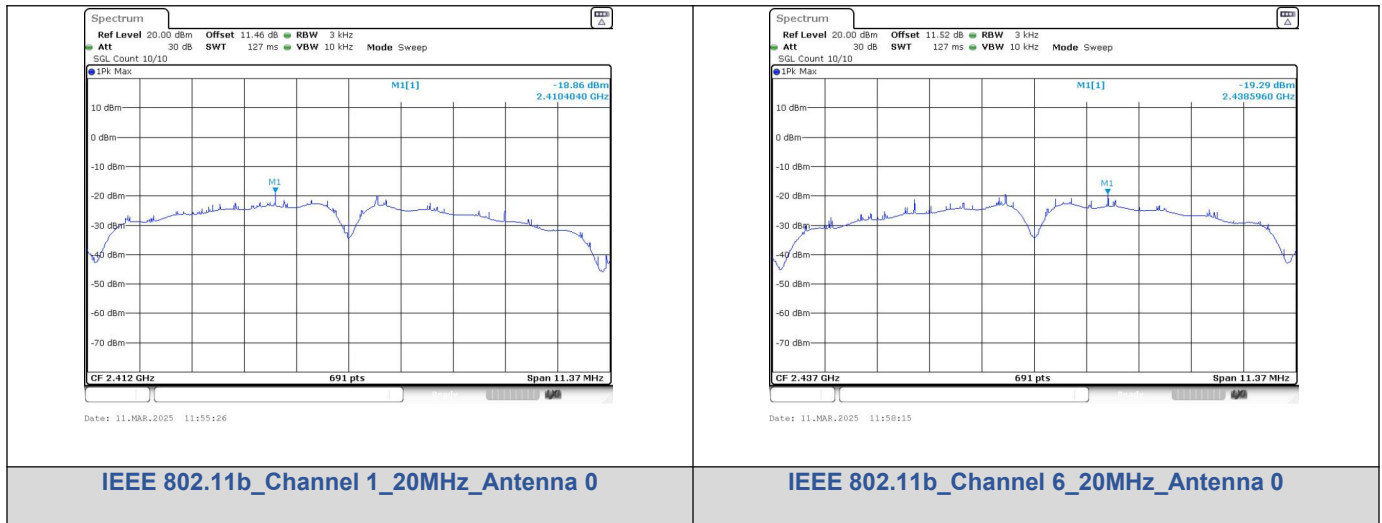
IEEE 802.11n_20MHz_Channel 11

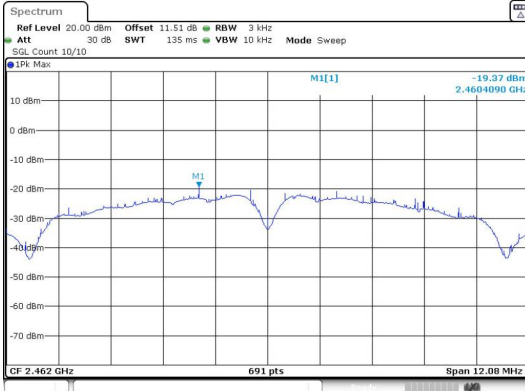
Power Spectral Density

Test Result

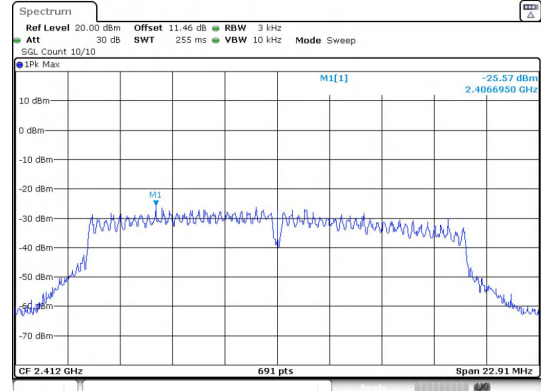
Mode	Channel	PSD (dBm/3kHz) Ant. 0	Limit (dBm/3kHz)	Result
IEEE 802.11b	1	-18.860	≤8	PASS
	6	-19.290		PASS
	11	-19.370		PASS
IEEE 802.11g	1	-25.570		PASS
	6	-27.150		PASS
	11	-25.710		PASS
IEEE 802.11n_20	1	-26.170		PASS
	6	-26.580		PASS
	11	-26.040		PASS

Test Graphs





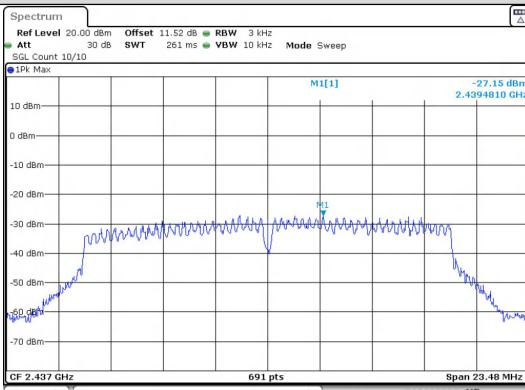
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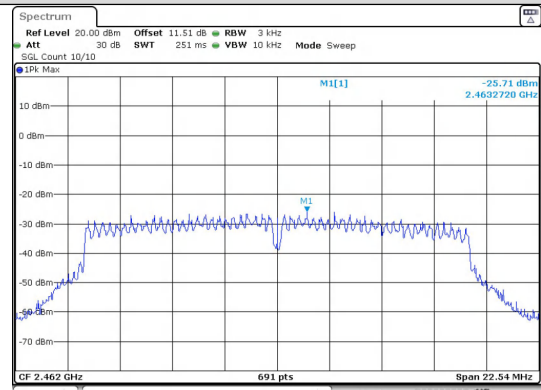
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IEEE 802.11b_Channel 11_20MHz_Antenna 0

IEEE 802.11g_Channel 1_20MHz_Antenna 0



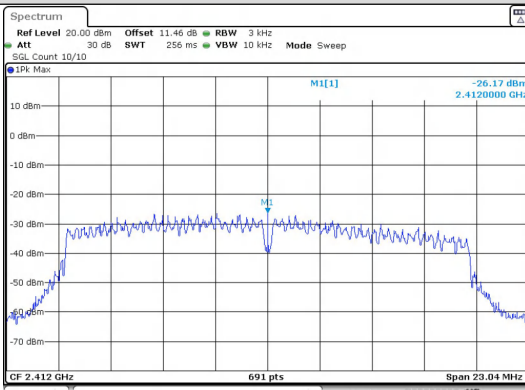
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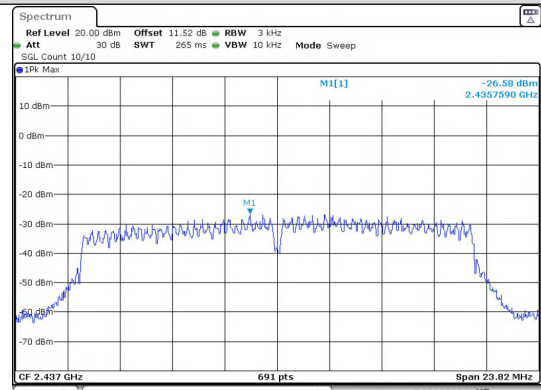
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IEEE 802.11g_Channel 6_20MHz_Antenna 0

IEEE 802.11g_Channel 11_20MHz_Antenna 0



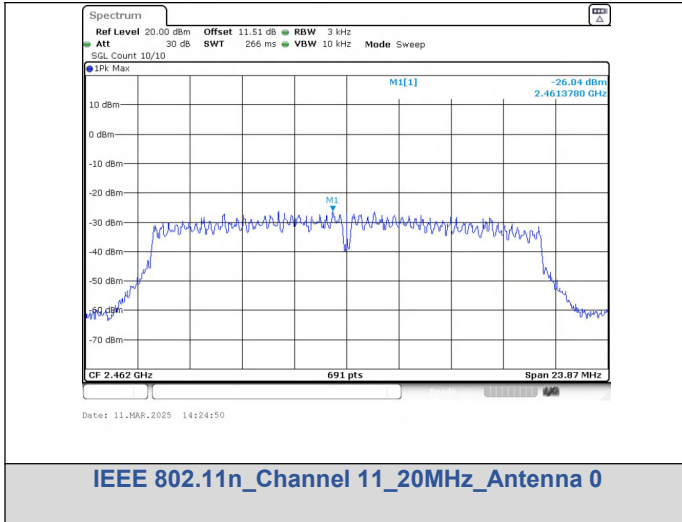
Date: 11.MAR.2025 14:19:24



Date: 11.MAR.2025 14:22:17

IEEE 802.11n_Channel 1_20MHz_Antenna 0

IEEE 802.11n_Channel 6_20MHz_Antenna 0



Conducted Output Power

Test Result

Conducted Output Power

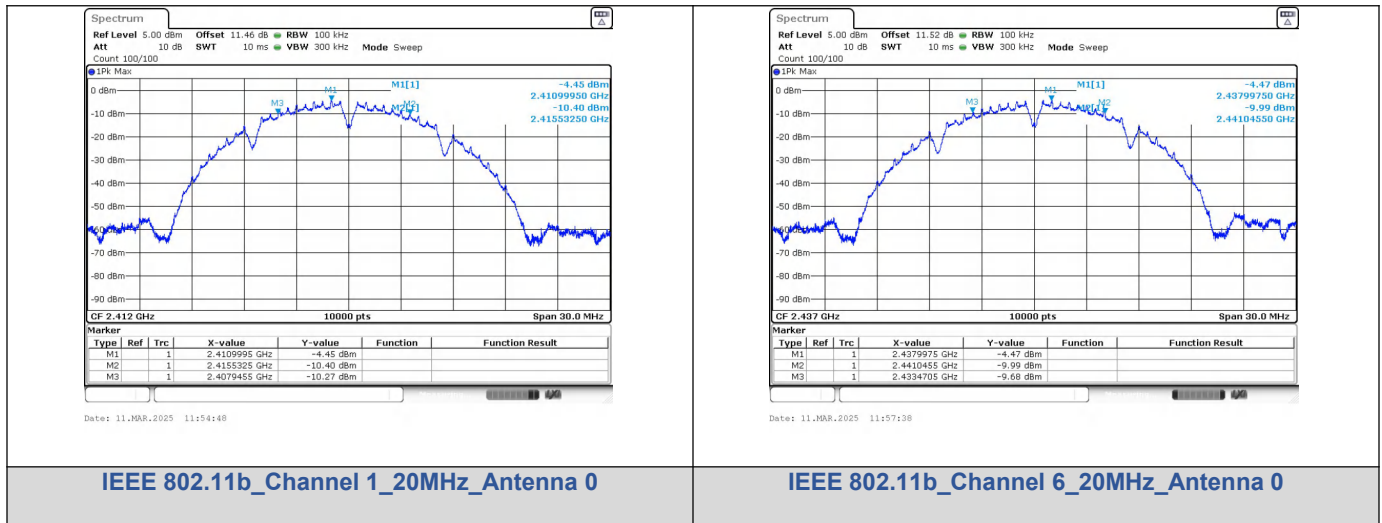
Mode	Channel	Ant. 0 (dBm)	Limit (dBm)	Result
IEEE 802.11b	1	7.42	≤30	PASS
	6	7.43	≤30	PASS
	11	8.58	≤30	PASS
IEEE 802.11g	1	7.91	≤30	PASS
	6	7.90	≤30	PASS
	11	8.47	≤30	PASS
IEEE 802.11n_20	1	7.83	≤30	PASS
	6	7.99	≤30	PASS
	11	8.74	≤30	PASS

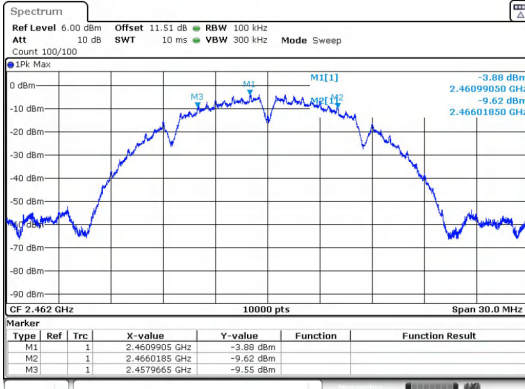
6dB Bandwidth

Test Result

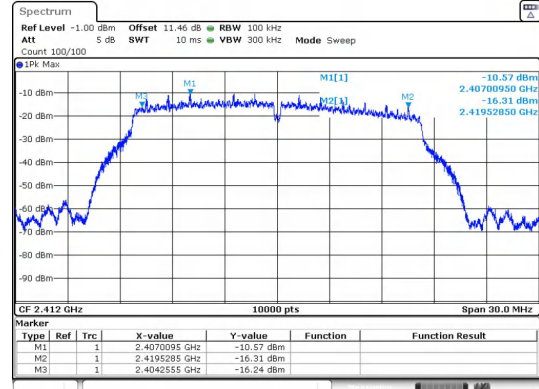
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11b	1	0	2412	7.580	≥0.5	PASS
	6		2437	7.580		PASS
	11		2462	8.050		PASS
IEEE 802.11g	1		2412	15.27		PASS
	6		2437	15.65		PASS
	11		2462	15.03		PASS
IEEE 802.11n_20	1		2412	15.36		PASS
	6		2437	15.88		PASS
	11		2462	15.91		PASS

Test Graphs



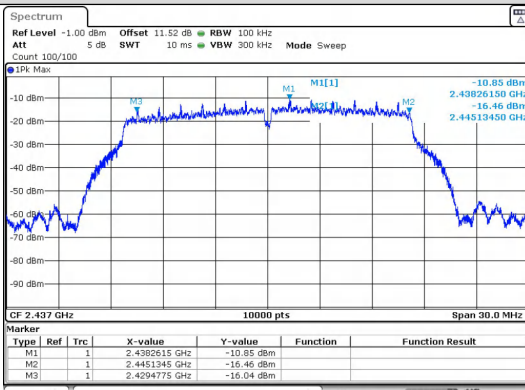


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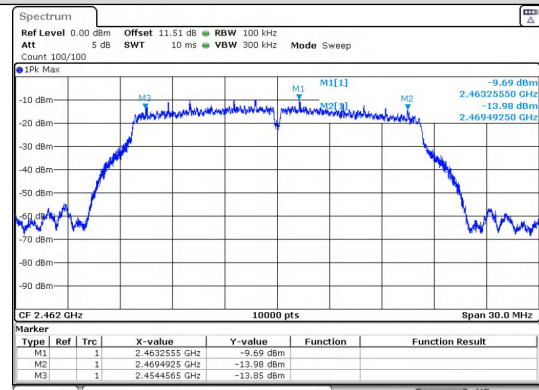
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IEEE 802.11b_Channel 11_20MHz_Antenna 0



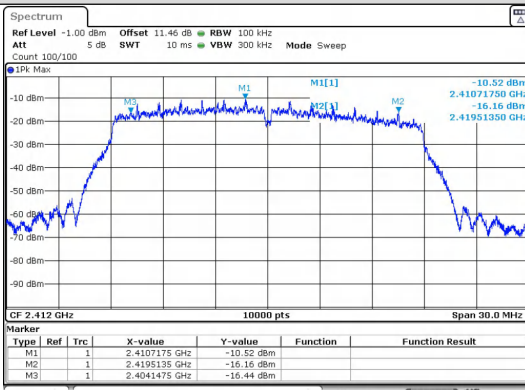
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IEEE 802.11g_Channel 1_20MHz_Antenna 0



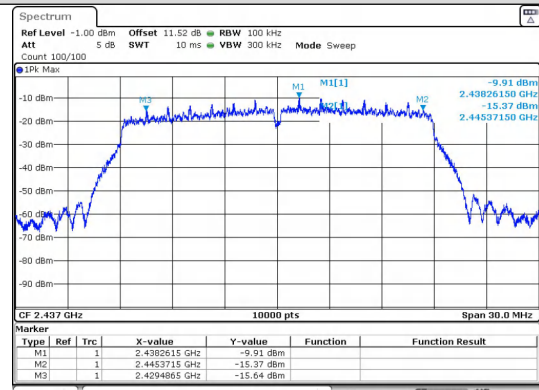
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IEEE 802.11g_Channel 6_20MHz_Antenna 0



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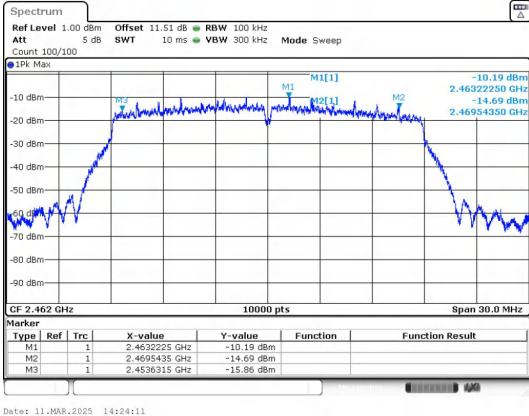
IEEE 802.11g_Channel 11_20MHz_Antenna 0



Date: 11.MAR.2025 14:21:38

IEEE 802.11n_Channel 1_20MHz_Antenna 0

IEEE 802.11n_Channel 6_20MHz_Antenna 0



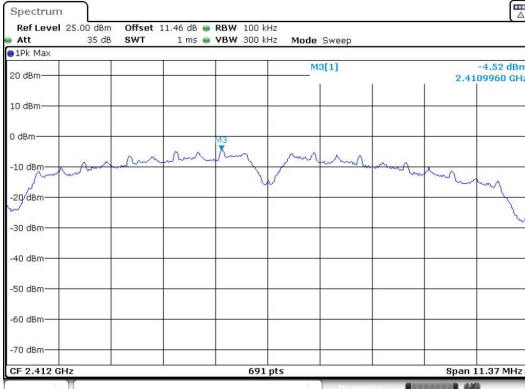
IEEE 802.11n_Channel 11_20MHz_Antenna 0

Conducted Out Of Band Emission

Test Result

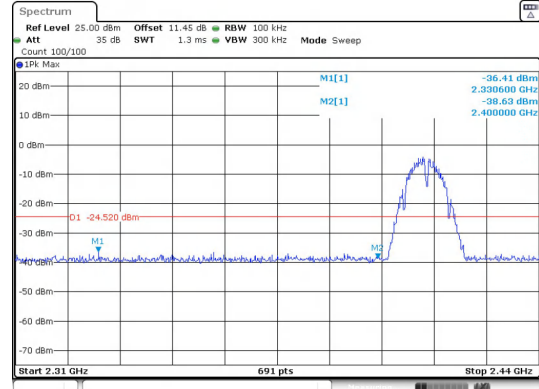
Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2330.60	-36.412	-24.52	-11.892	PASS
			2400.00	-38.630	-24.52	-14.110	PASS
			22028.2	-42.547	-24.52	-18.027	PASS
	6		6585.04	-43.550	-24.59	-18.960	PASS
	11		2483.50	-38.410	-23.97	-14.440	PASS
			6942.11	-43.169	-23.97	-19.199	PASS
IEEE 802.11g	1		2390.43	-36.312	-30.36	-5.952	PASS
			2400.00	-39.220	-30.36	-8.860	PASS
			6998.70	-42.505	-30.36	-12.145	PASS
	6		6962.92	-43.447	-30.48	-12.967	PASS
	11		2483.50	-37.990	-30.95	-7.040	PASS
			6188.85	-41.939	-30.95	-10.989	PASS
IEEE 802.11n_20	1		2372.93	-36.779	-30.31	-6.469	PASS
			2400.00	-39.260	-30.31	-8.950	PASS
			6183.00	-42.803	-30.31	-12.493	PASS
	6		6950.44	-42.494	-30.82	-11.674	PASS
	11		2483.50	-38.530	-30.51	-8.020	PASS
			6985.39	-42.513	-30.51	-12.003	PASS

Test Graphs



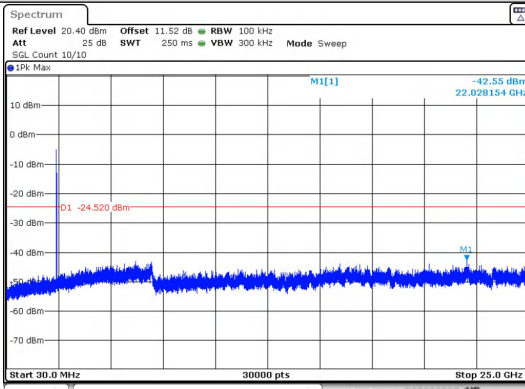
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In-Band Reference Level
IEEE 802.11b_Channel 1_20MHz_Antenna 0



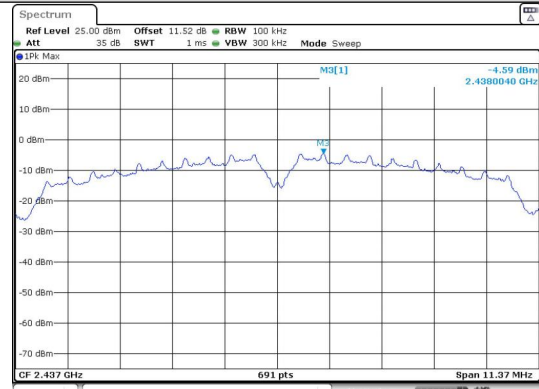
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Out Of Band Emission
IEEE 802.11b_Channel 1_20MHz_Antenna 0



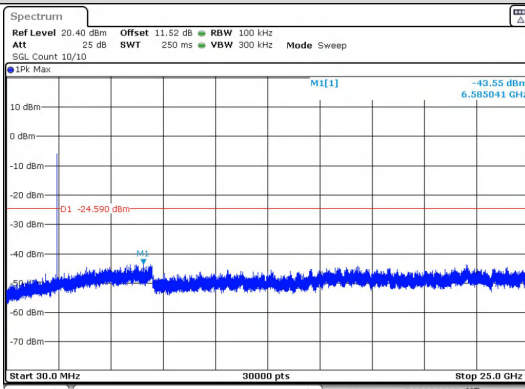
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30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



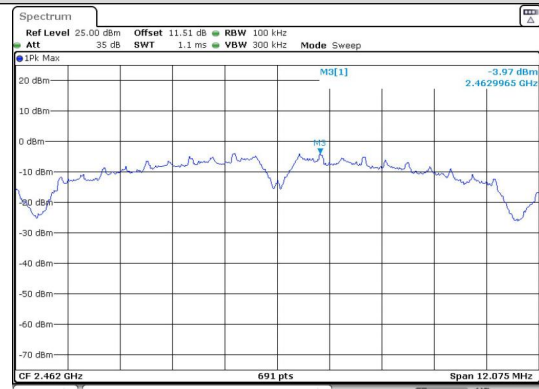
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In-Band Reference Level
IEEE 802.11b_Channel 6_20MHz_Antenna 0



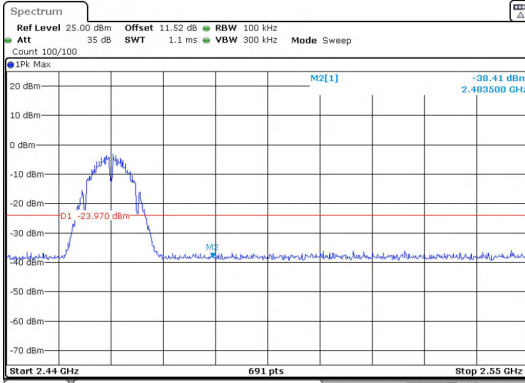
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30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0

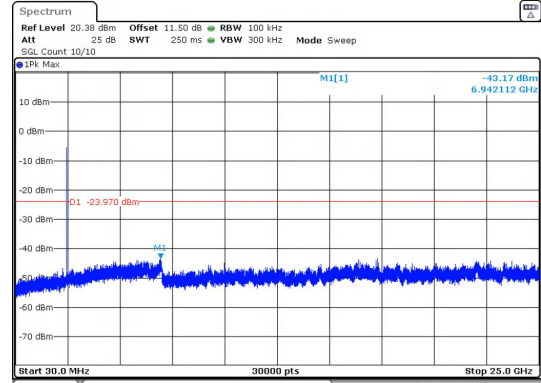


Date: 11.MAR.2025 14:04:48

In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



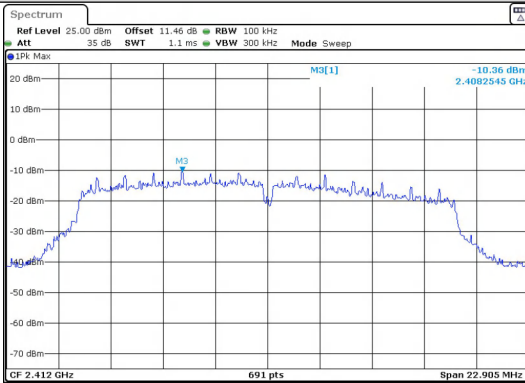
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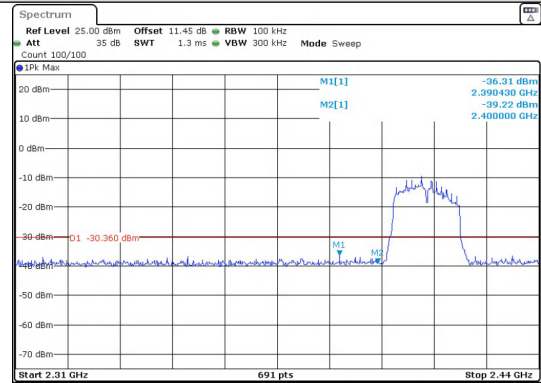
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Out Of Band Emission
IEEE 802.11b_Channel 11_20MHz_Antenna 0

30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 11_20MHz_Antenna 0



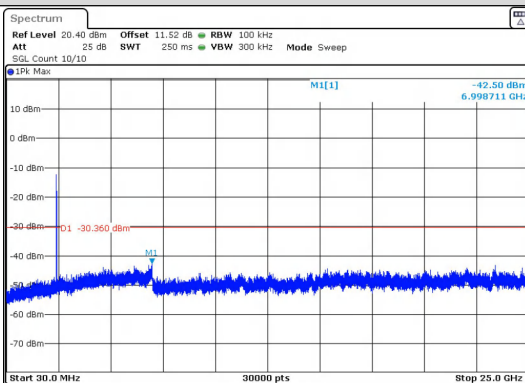
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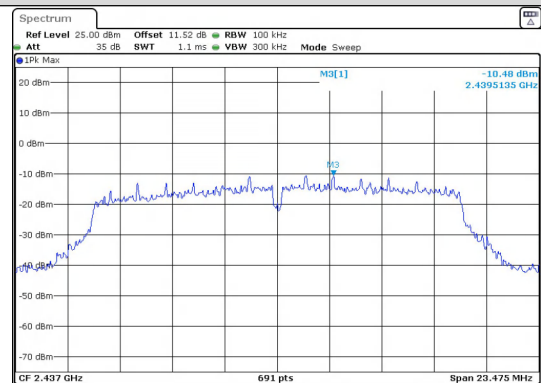
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In-Band Reference Level
IEEE 802.11g_Channel 1_20MHz_Antenna 0

Out Of Band Emission
IEEE 802.11g_Channel 1_20MHz_Antenna 0



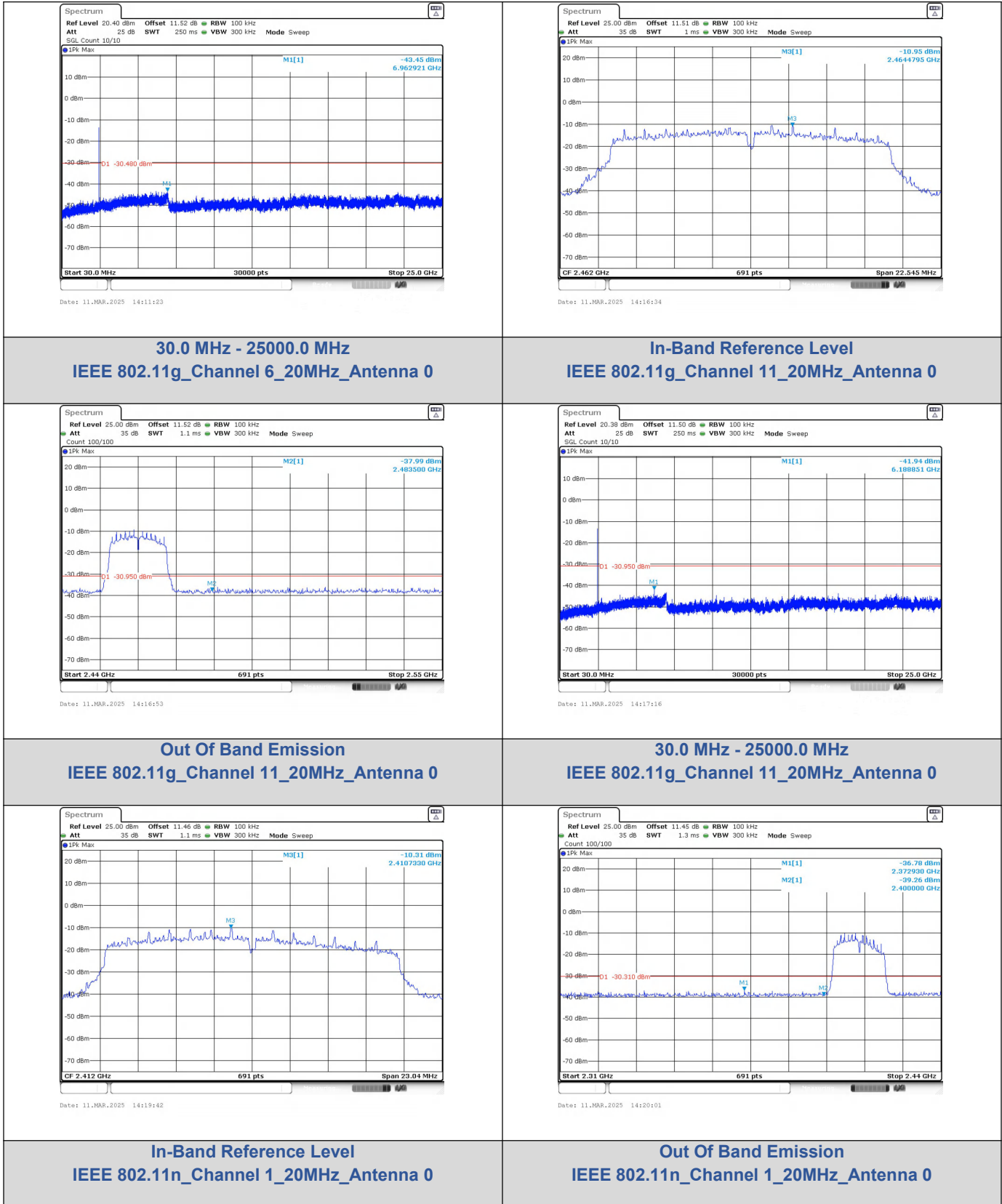
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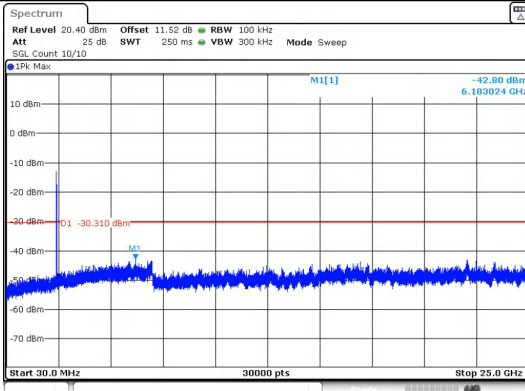


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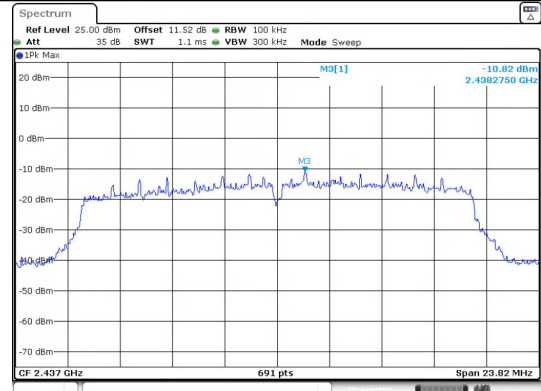
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 1_20MHz_Antenna 0

In-Band Reference Level
IEEE 802.11g_Channel 6_20MHz_Antenna 0





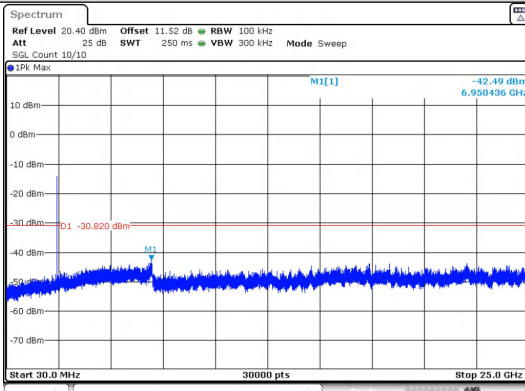
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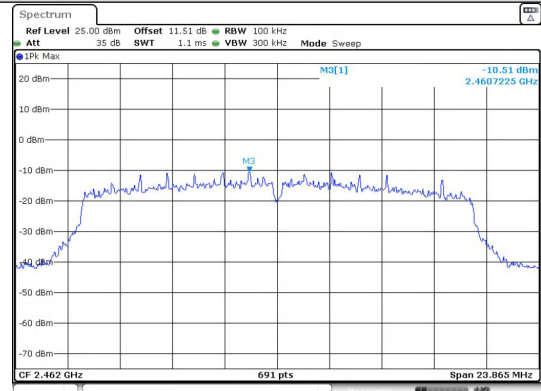
Date: 11.MAR.2025 14:22:35

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



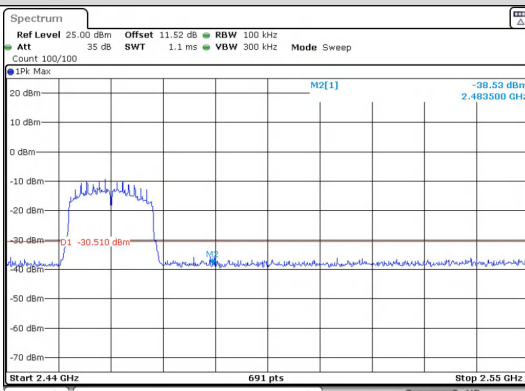
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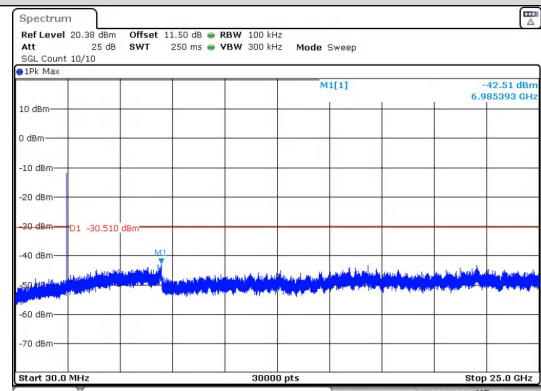
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30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0

In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0



Date: 11.MAR.2025 14:25:27



Date: 11.MAR.2025 14:25:50

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

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