

A5. Conducted Band Edge and Conducted Spurious Emission

Note:

Only the worst data MIMO is represented in the report.

Test Result

Mode	Channel	Ant.	OOB Emission Frequency (MHz)	OOB Emission Level (dBm)	Limit (dBm)	Over Limit (dB)	Result
IEEE 802.11b	1	0	2398.92	-50.714	-21.4	-29.314	PASS
			2400.00	-51.619	-21.4	-30.219	PASS
			4842.30	-55.877	-21.4	-34.477	PASS
			7240.70	-54.204	-21.4	-32.804	PASS
			9664.10	-54.760	-21.4	-33.360	PASS
			24908.9	-41.049	-21.4	-19.649	PASS
	6		4874.18	-57.798	-10.59	-47.208	PASS
			7313.12	-47.811	-10.59	-37.221	PASS
			9742.71	-59.559	-10.59	-48.969	PASS
			24811.5	-43.605	-10.59	-33.015	PASS
	11		2483.50	-46.436	-12.93	-33.506	PASS
			4924.12	-58.778	-12.93	-45.848	PASS
			7384.91	-54.703	-12.93	-41.773	PASS
			9833.22	-58.455	-12.93	-45.525	PASS
			24780.3	-44.324	-12.93	-31.394	PASS
IEEE 802.11g	1		2395.80	-27.134	-18.1	-9.034	PASS
			2400.00	-33.400	-18.1	-15.300	PASS
			4833.60	-55.141	-18.1	-37.041	PASS
			7242.00	-51.094	-18.1	-32.994	PASS
			9639.10	-55.719	-18.1	-37.619	PASS
			24792.1	-41.015	-18.1	-22.915	PASS
	6		4864.19	-58.830	-17.84	-40.990	PASS
			7316.25	-55.831	-17.84	-37.991	PASS
			9753.94	-58.654	-17.84	-40.814	PASS
			24922.6	-43.501	-17.84	-25.661	PASS
	11		2483.50	-44.575	-19.18	-25.395	PASS
			4935.36	-59.044	-19.18	-39.864	PASS
			7371.18	-57.691	-19.18	-38.511	PASS
			9863.19	-59.306	-19.18	-40.126	PASS
			24842.7	-44.147	-19.18	-24.967	PASS
IEEE 802.11n_20	1		2396.71	-31.208	-19.23	-11.978	PASS
			2400.00	-33.693	-19.23	-14.463	PASS
			4828.00	-54.898	-19.23	-35.668	PASS
			7235.70	-50.079	-19.23	-30.849	PASS
			9645.90	-55.485	-19.23	-36.255	PASS

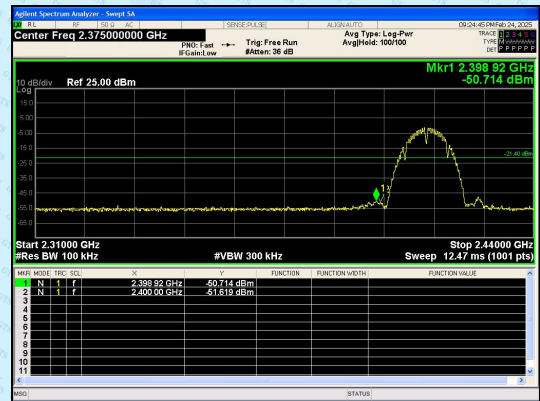
	6	24745.3	-40.871	-19.23	-21.641	PASS
		4889.79	-58.873	-19.96	-38.913	PASS
		7323.11	-57.001	-19.96	-37.041	PASS
		9733.34	-59.011	-19.96	-39.051	PASS
		24842.7	-43.724	-19.96	-23.764	PASS
	11	2483.50	-45.679	-19.68	-25.999	PASS
		4906.64	-59.331	-19.68	-39.651	PASS
		7375.55	-57.957	-19.68	-38.277	PASS
		9845.71	-59.037	-19.68	-39.357	PASS
		24877.6	-44.016	-19.68	-24.336	PASS
IEEE 802.11n_40	3	2400.00	-38.857	-27.55	-11.307	PASS
		4815.50	-55.676	-27.55	-28.126	PASS
		5746.26	-38.028	-27.55	-10.478	PASS
		7272.55	-53.116	-27.55	-25.566	PASS
		9650.32	-53.896	-27.55	-26.346	PASS
	6	4906.64	-59.312	-22.73	-36.582	PASS
		7315.62	-57.096	-22.73	-34.366	PASS
		9757.06	-58.257	-22.73	-35.527	PASS
		24789.6	-44.709	-22.73	-21.979	PASS
		2483.50	-45.694	-21.37	-24.324	PASS
	9	4889.16	-58.613	-21.37	-37.243	PASS
		7357.45	-57.828	-21.37	-36.458	PASS
		9840.71	-58.382	-21.37	-37.012	PASS
		24883.9	-44.448	-21.37	-23.078	PASS
		2396.97	-44.113	-24.72	-19.393	PASS
IEEE 802.11ax_20	1	2400.00	-46.701	-24.72	-21.981	PASS
		4815.50	-53.504	-24.72	-28.784	PASS
		5740.60	-36.467	-24.72	-11.747	PASS
		7232.00	-53.617	-24.72	-28.897	PASS
		9630.30	-54.309	-24.72	-29.589	PASS
		4886.04	-58.008	-18.95	-39.058	PASS
	6	7316.87	-54.690	-18.95	-35.740	PASS
		9741.46	-58.980	-18.95	-40.030	PASS
		24904.5	-43.936	-18.95	-24.986	PASS
		2483.50	-43.764	-19.22	-24.544	PASS
		4932.24	-59.426	-19.22	-40.206	PASS
		7373.05	-55.912	-19.22	-36.692	PASS
	11	9861.31	-58.648	-19.22	-39.428	PASS
		24820.8	-44.046	-19.22	-24.826	PASS
		2400.00	-40.985	-26.32	-14.665	PASS
IEEE 802.11ax_40	3	4818.62	-55.212	-26.32	-28.892	PASS
		7283.16	-52.990	-26.32	-26.670	PASS
		9709.62	-55.035	-26.32	-28.715	PASS
		24852.1	-41.007	-26.32	-14.687	PASS

6		4862.32	-58.851	-20.69	-38.161	PASS
		7282.54	-56.906	-20.69	-36.216	PASS
		9780.16	-59.040	-20.69	-38.350	PASS
		24934.5	-44.404	-20.69	-23.714	PASS
9		833.41	-41.088	-20.46	-20.628	PASS
		2483.50	-44.585	-20.46	-24.125	PASS
		4937.23	-57.552	-20.46	-37.092	PASS
		7354.33	-56.853	-20.46	-36.393	PASS
		9804.51	-59.194	-20.46	-38.734	PASS

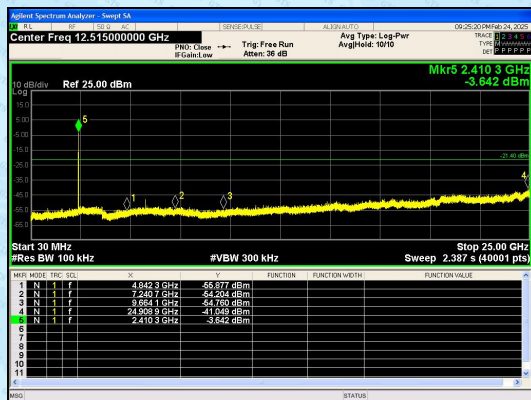
Test Graphs for Mode 11b/11g is the antenna 0, 11n/11ax mode is MIMO.



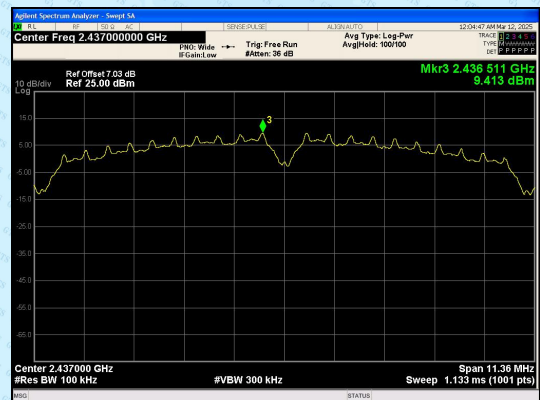
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IEEE 802.11b_Channel 1_20MHz_Antenna 0



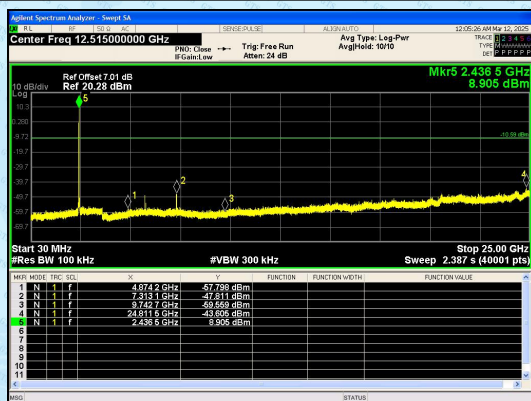
Out Of Band Emission
IEEE 802.11b_Channel 1_20MHz_Antenna 0



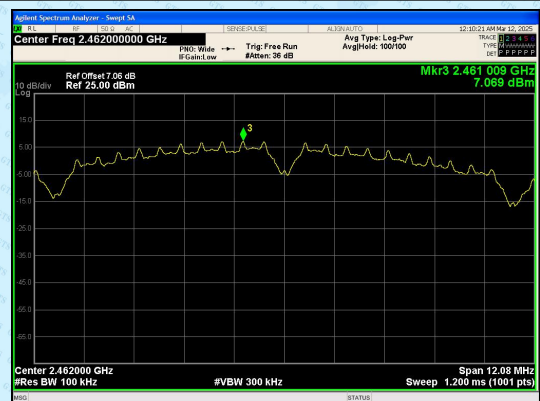
30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 1_20MHz_Antenna 0



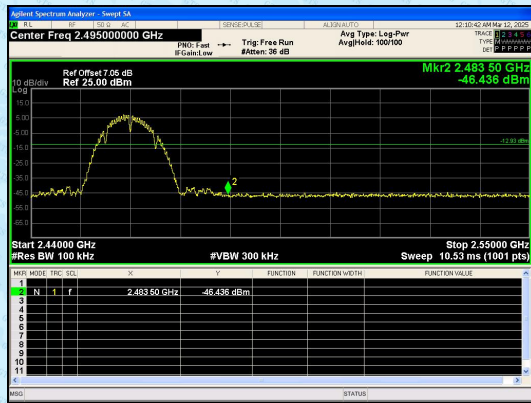
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IEEE 802.11b_Channel 6_20MHz_Antenna 0



30.0 MHz - 25000.0 MHz
IEEE 802.11b_Channel 6_20MHz_Antenna 0

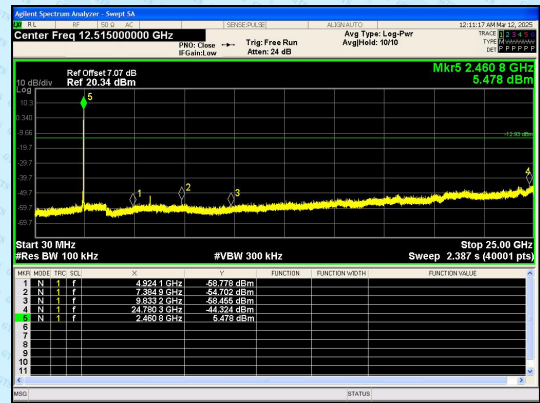


In-Band Reference Level
IEEE 802.11b_Channel 11_20MHz_Antenna 0



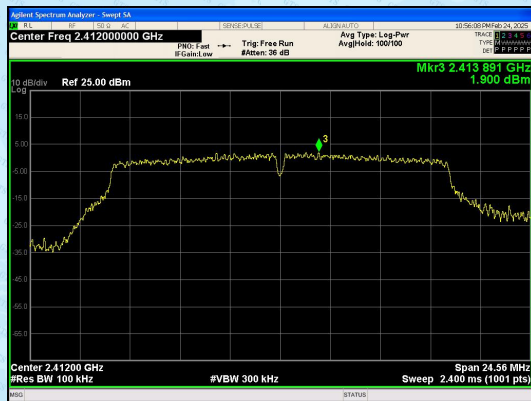
Out Of Band Emission

IEEE 802.11b_Channel 11_20MHz_Antenna 0



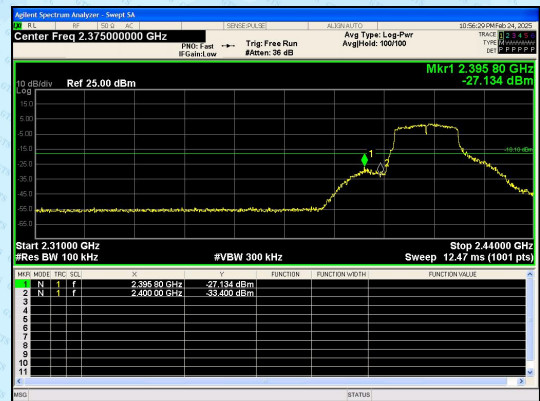
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IEEE 802.11b_Channel 11_20MHz_Antenna 0



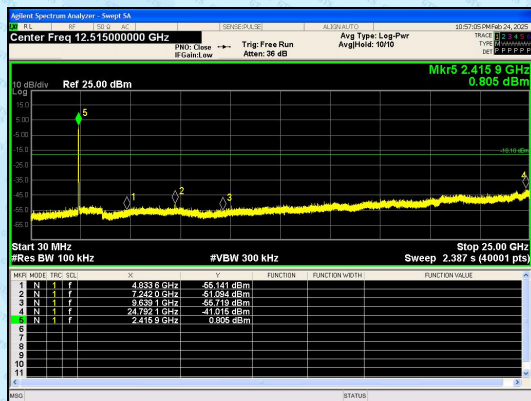
In-Band Reference Level

IEEE 802.11g_Channel 1_20MHz_Antenna 0



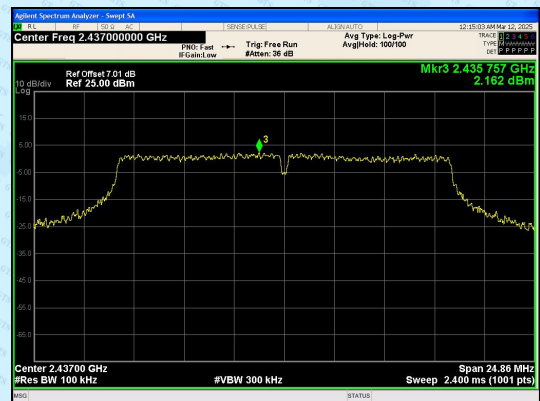
Out Of Band Emission

IEEE 802.11g_Channel 1_20MHz_Antenna 0



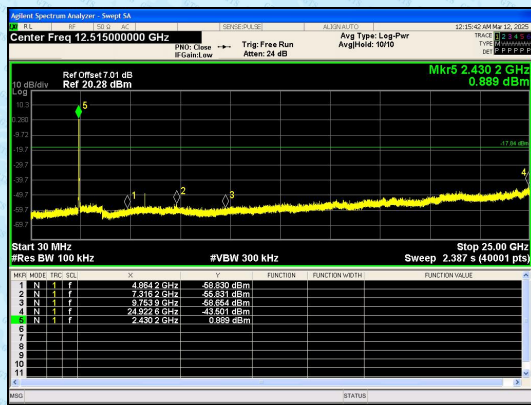
30.0 MHz - 25000.0 MHz

IEEE 802.11g_Channel 1_20MHz_Antenna 0

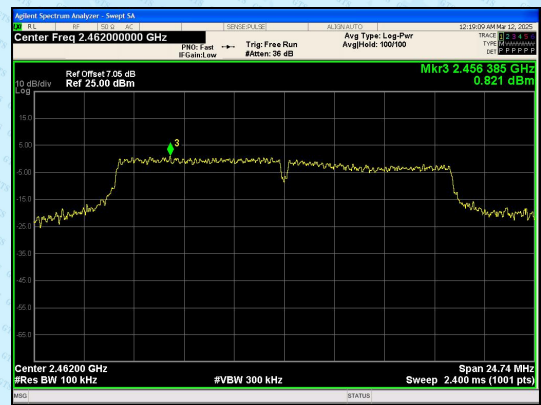


In-Band Reference Level

IEEE 802.11g_Channel 6_20MHz_Antenna 0



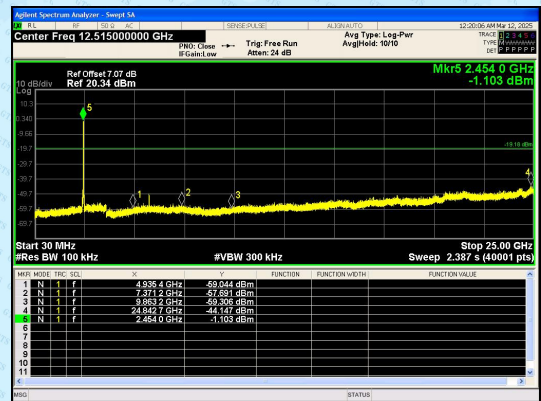
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IEEE 802.11g_Channel 6_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11g_Channel 11_20MHz_Antenna 0



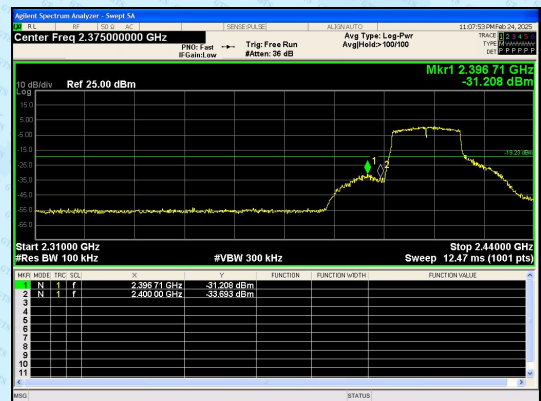
Out Of Band Emission
IEEE 802.11g_Channel 11_20MHz_Antenna 0



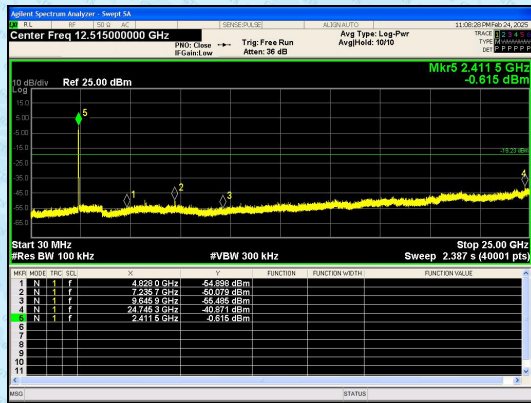
30.0 MHz - 25000.0 MHz
IEEE 802.11g_Channel 11_20MHz_Antenna 0



In-Band Reference Level
IEEE 802.11n_Channel 1_20MHz_Antenna 0+Antenna 1



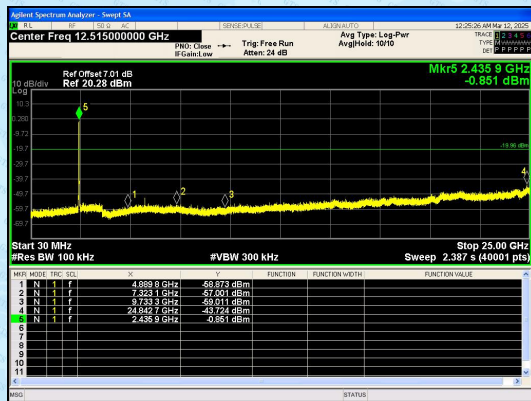
Out Of Band Emission
IEEE 802.11n_Channel 1_20MHz_Antenna 0+Antenna 1



30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 1_20MHz_Antenna 0+Antenna 1



In-Band Reference Level
IEEE 802.11n_Channel 6_20MHz_Antenna 0+Antenna 1



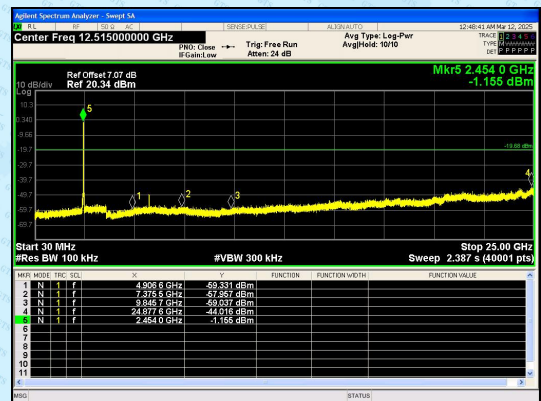
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_20MHz_Antenna 0+Antenna 1



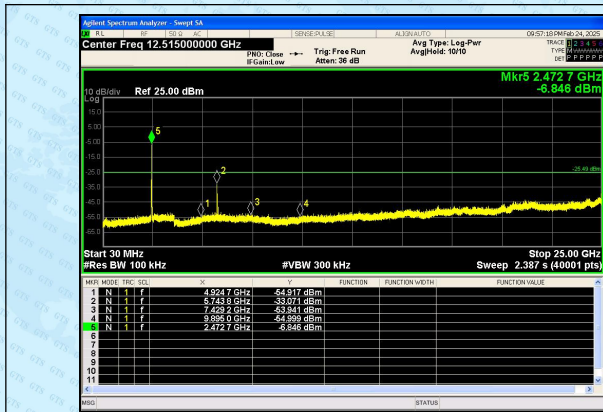
In-Band Reference Level
IEEE 802.11n_Channel 11_20MHz_Antenna 0+Antenna 1



Out Of Band Emission
IEEE 802.11n_Channel 11_20MHz_Antenna 0+Antenna 1

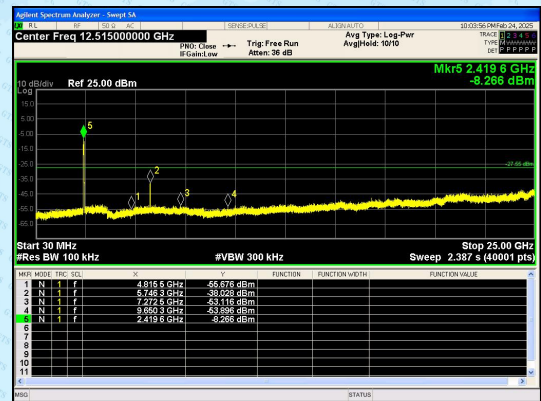


30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 11_20MHz_Antenna 0+Antenna 1



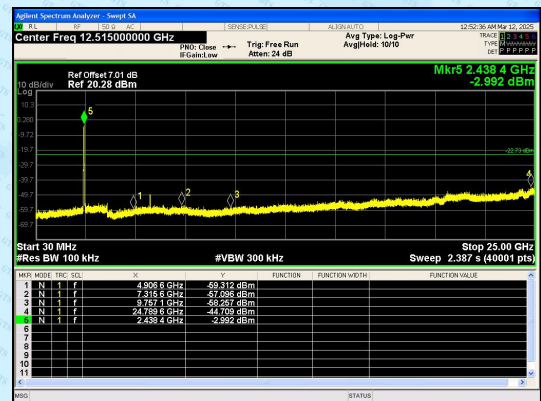
30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 13_20MHz_Antenna 0+Antenna 1

In-Band Reference Level
IEEE 802.11n_Channel 3_40MHz_Antenna 0+Antenna 1



Out Of Band Emission
IEEE 802.11n_Channel 3_40MHz_Antenna 0+Antenna 1

30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 3_40MHz_Antenna 0+Antenna 1



In-Band Reference Level
IEEE 802.11n_Channel 6_40MHz_Antenna 0+Antenna 1

30.0 MHz - 25000.0 MHz
IEEE 802.11n_Channel 6_40MHz_Antenna 0+Antenna 1