



### Appendix C. Radiated Spurious Emission Test Data

Test Engineer :	Carl Ni	Relative Humidity :	41 ~ 42 %
		Temperature :	22 ~ 23 °C

#### Radiated Spurious Emission Test Modes

Mode	Band (MHz)	Modulation	Channel	Frequency	Data Rate	Remark
Mode 1	2400-2483.5	802.11b	01	2412	1Mbps	-
Mode 2	2400-2483.5	802.11b	06	2437	1Mbps	-
	2400-2483.5	802.11b	06	2437	1Mbps	LF
Mode 3	2400-2483.5	802.11b	11	2462	1Mbps	-
Mode 4	2400-2483.5	802.11g	01	2412	6Mbps	-
Mode 5	2400-2483.5	802.11g	06	2437	6Mbps	-
Mode 6	2400-2483.5	802.11g	11	2462	6Mbps	-
Mode 7	2400-2483.5	802.11n HT20	01	2412	MCS0	-
Mode 8	2400-2483.5	802.11n HT20	06	2437	MCS0	-
Mode 9	2400-2483.5	802.11n HT20	11	2462	MCS0	-
Mode 10	2400-2483.5	802.11n HT40	03	2422	MCS0	-
Mode 11	2400-2483.5	802.11n HT40	06	2437	MCS0	-
Mode 12	2400-2483.5	802.11n HT40	09	2452	MCS0	-

Note: Only the worst case has assessed LF mode to test.



## Summary of each worse mode

Mode	Modulation	Ch.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol.	Peak Avg.	Result	Remark
1	802.11b	01	2389.82	43.45	54.00	-10.55	H	AVERAGE	Pass	Band Edge
	802.11b	01	4824.00	48.63	54.00	-5.37	V	AVERAGE	Pass	Harmonic
2	802.11b	06	-	-	-	-	-	-	-	Band Edge
	802.11b	06	4874.00	48.80	54.00	-5.20	V	AVERAGE	Pass	Harmonic
	802.11b	06	35.82	33.57	40.00	-6.43	V	PEAK	Pass	LF
3	802.11b	11	2484.00	43.87	54.00	-10.13	V	AVERAGE	Pass	Band Edge
	802.11b	11	4924.00	48.08	54.00	-5.92	V	AVERAGE	Pass	Harmonic
4	802.11g	01	2389.95	45.45	54.00	-8.55	H	AVERAGE	Pass	Band Edge
	802.11g	01	4824.00	44.47	74.00	-29.53	H	PEAK	Pass	Harmonic
5	802.11g	06	-	-	-	-	-	-	-	Band Edge
	802.11g	06	7311.00	44.67	74.00	-29.33	V	PEAK	Pass	Harmonic
6	802.11g	11	2483.51	44.79	54.00	-9.21	H	AVERAGE	Pass	Band Edge
	802.11g	11	4924.00	46.70	74.00	-27.30	H	PEAK	Pass	Harmonic
7	802.11n HT20	01	2389.95	47.22	54.00	-6.78	V	AVERAGE	Pass	Band Edge
	802.11n HT20	01	4824.00	43.99	74.00	-30.01	V	PEAK	Pass	Harmonic
8	802.11n HT20	06	-	-	-	-	-	-	-	Band Edge
	802.11n HT20	06	7311.00	44.72	74.00	-29.28	H	PEAK	Pass	Harmonic
9	802.11n HT20	11	2483.51	46.07	54.00	-7.93	H	AVERAGE	Pass	Band Edge
	802.11n HT20	11	4924.00	44.82	74.00	-29.18	V	PEAK	Pass	Harmonic
10	802.11n HT40	03	2389.97	46.08	54.00	-7.92	H	AVERAGE	Pass	Band Edge
	802.11n HT40	03	4844.00	43.92	74.00	-30.08	V	PEAK	Pass	Harmonic
11	802.11n HT40	06	-	-	-	-	-	-	-	Band Edge
	802.11n HT40	06	7311.00	45.41	74.00	-28.59	V	PEAK	Pass	Harmonic
12	802.11n HT40	09	2483.63	48.78	54.00	-5.22	V	AVERAGE	Pass	Band Edge
	802.11n HT40	09	7356.00	44.50	74.00	-29.50	H	PEAK	Pass	Harmonic



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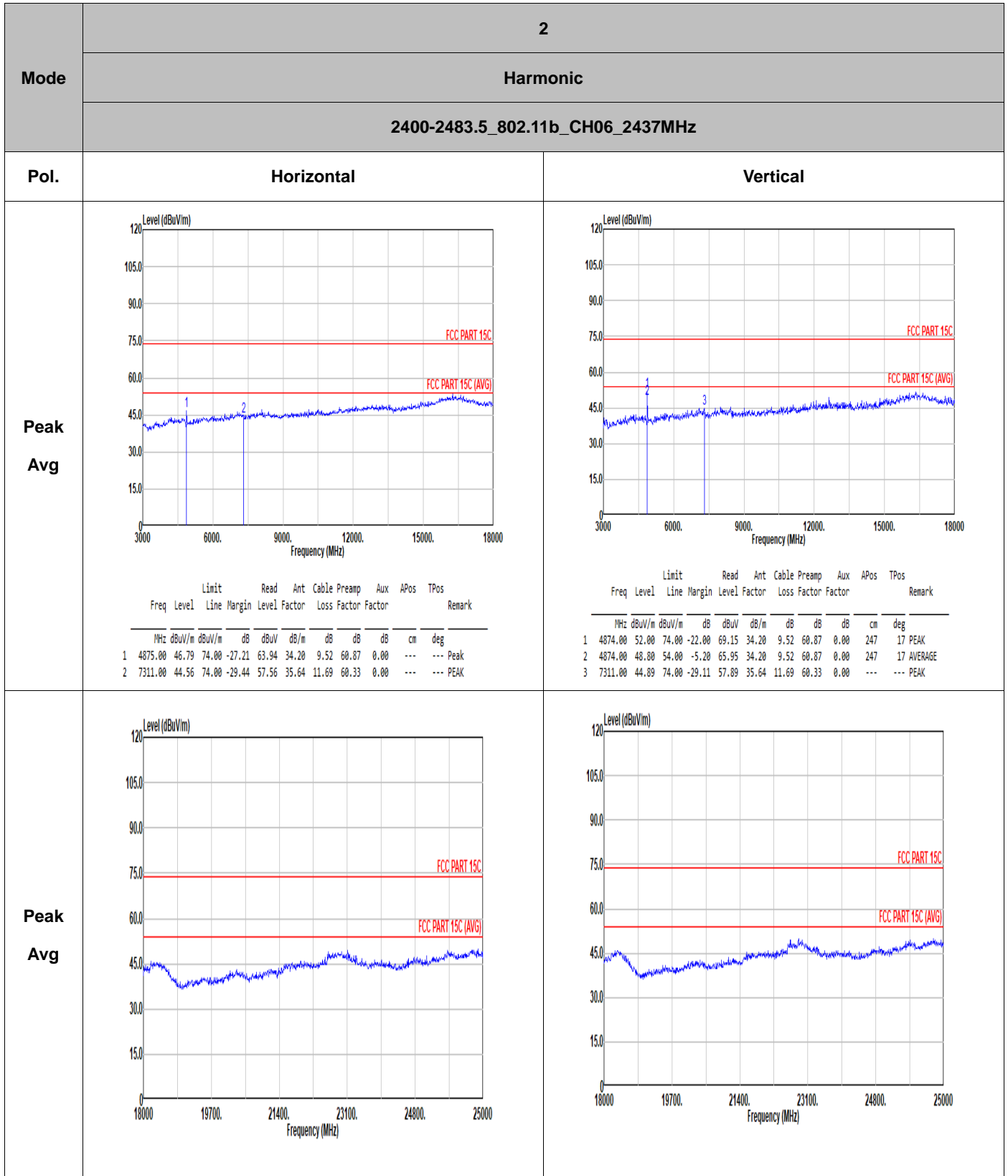


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4

Mode

Band Edge

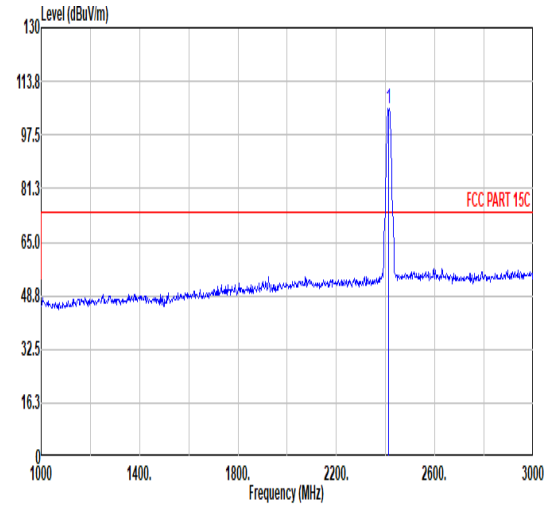
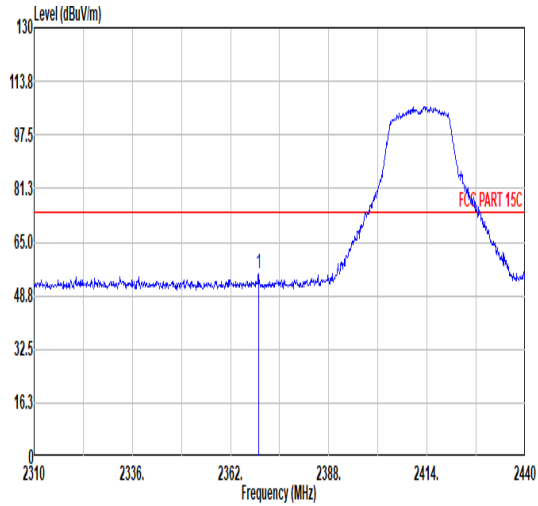
2400-2483.5\_802.11g\_CH01\_2412MHz

Pol.

Vertical

Fundamental

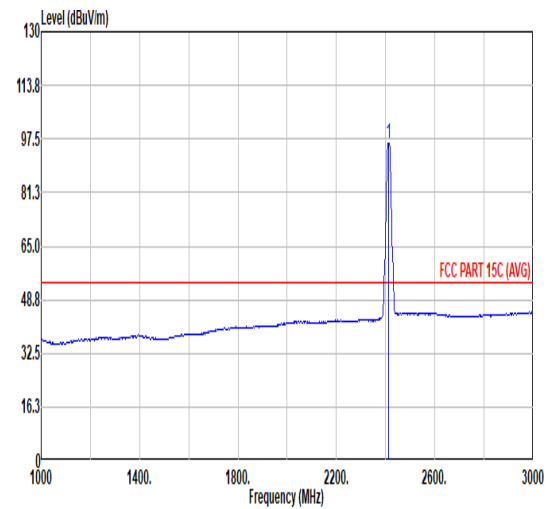
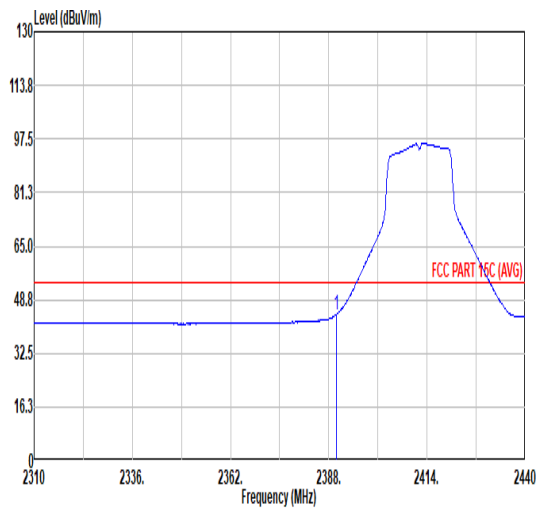
Peak



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1	2369.41	55.58	74.00	-18.42	44.13	31.77	6.57	32.89	6.00	137	19	PEAK

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Freq	Level	Line Margin	Level Factor	Loss Factor	Factor							
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB					
1	2412.00	105.57	-----	-----	93.50	32.26	6.63	32.82	6.00	137	19	PEAK

Avg



Limit	Read	Ant	Cable	Aux	APos	TPos	Remark					
Freq	Level	Line Margin	Level Factor	Loss Factor	Factor							
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB					
1	2389.95	44.24	54.00	-9.76	32.44	32.06	6.60	32.86	6.00	137	19	AVERAGE

Limit	Read	Ant	Cable	Aux	APos	TPos	Remark					
Freq	Level	Line Margin	Level Factor	Loss Factor	Factor							
MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB					
1	2412.00	96.38	-----	-----	84.27	32.28	6.64	32.81	6.00	137	19	AVERAGE



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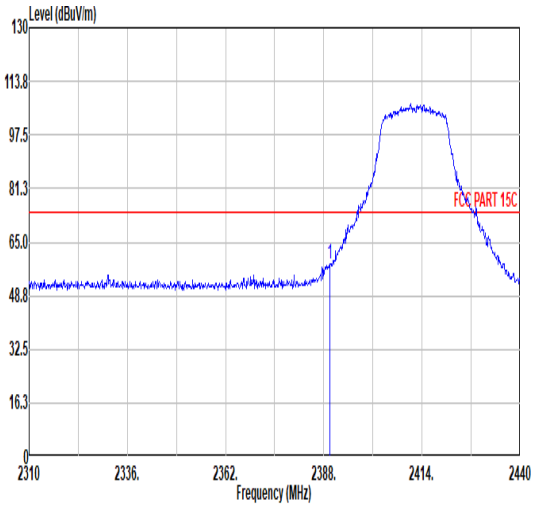
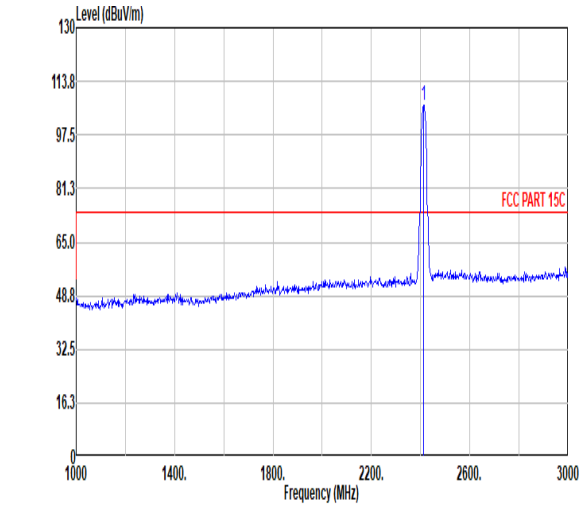
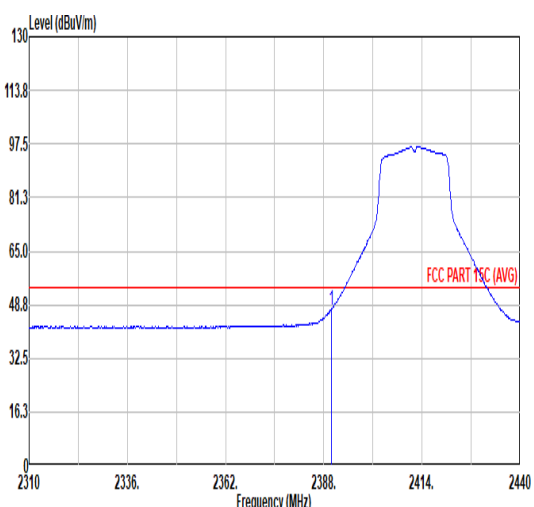
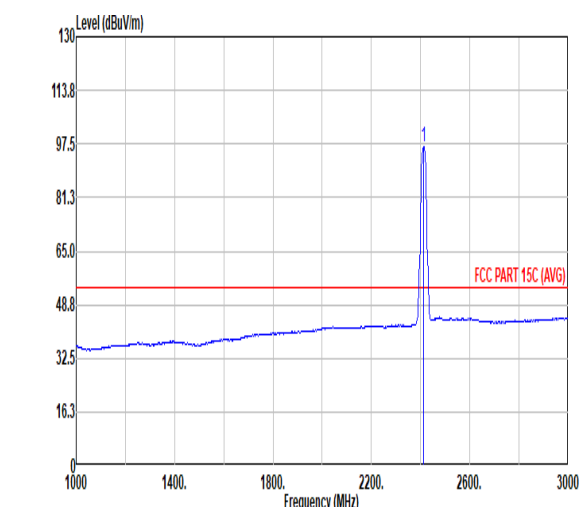
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Note: Above 15GHz, the higher trace is noise floors which can be ignored.

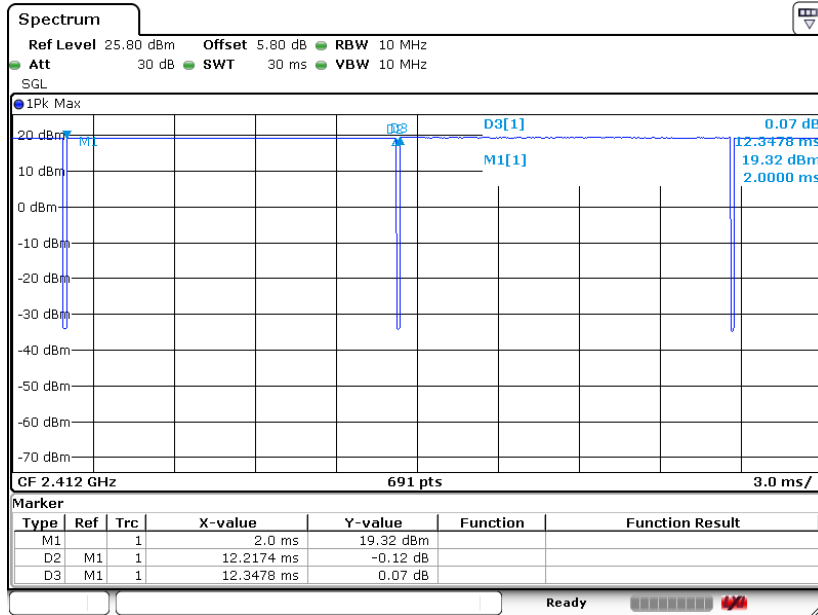


## Appendix D. Duty Cycle Plots

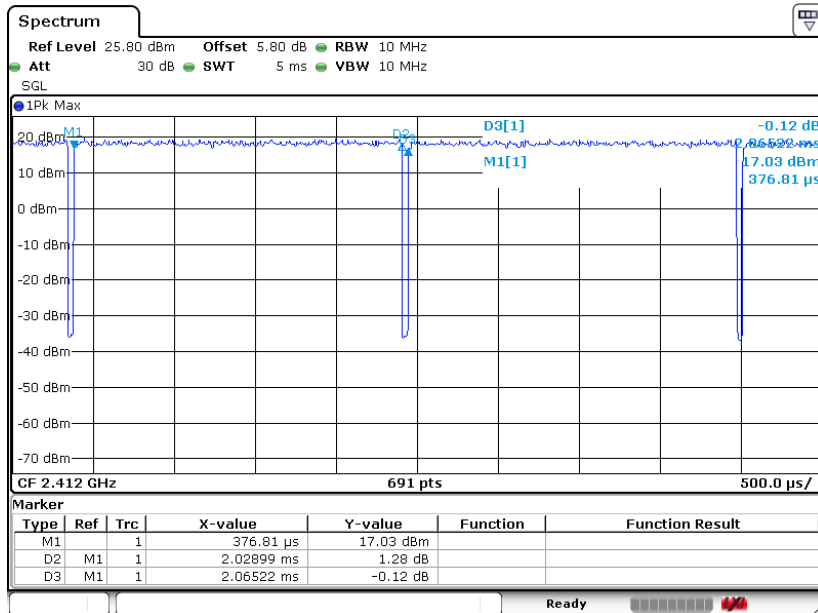
Band	Duty Cycle(%)	T(ms)	1/T(kHz)	VBW Setting
802.11b	98.94	-	-	10Hz
802.11g	98.25	-	-	10Hz
802.11n HT20	97.92	1.703	0.587	0.62kHz
802.11n HT40	94.17	0.842	1.188	1.2kHz



802.11b

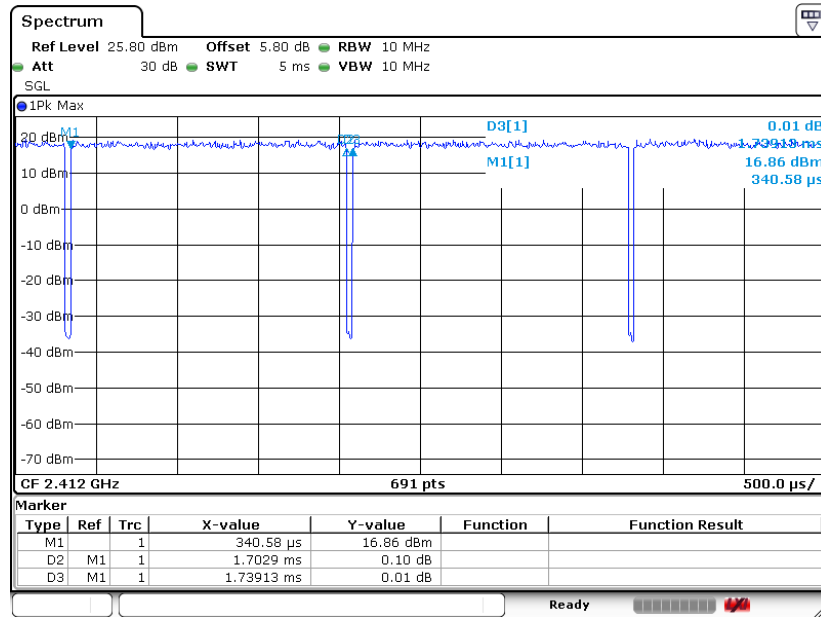


802.11g





802.11n HT20



802.11n HT40

