

# Appendix B: Test Results of Radiated Spurious Emissions & Mains

## Conducted Emission Test

### Band Edges, 2.31GHz ~ 2.9GHz

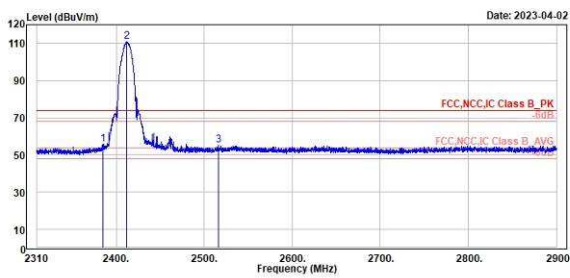
#### 802.11b

##### Low Channel (Horizontal) Peak

##### Low Channel (Vertical) Peak



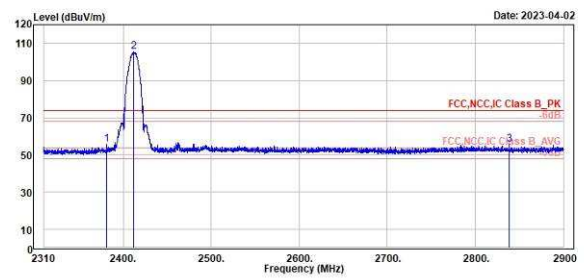
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2385.848	55.63	18.08	37.55	74.00	-18.37	349	344	Peak	Horizontal	
2	2412.000	110.72	73.87	37.85	74.00	36.72	349	344	Peak	Horizontal	
3	2516.500	55.11	17.24	37.87	74.00	-18.89	349	344	Peak	Horizontal	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2381.272	55.66	18.12	37.54	74.00	-18.34	237	35	Peak	Vertical	
2	2412.000	105.48	67.83	37.65	74.00	31.48	237	35	Peak	Vertical	
3	2838.522	55.51	17.34	38.17	74.00	-18.49	237	35	Peak	Vertical	

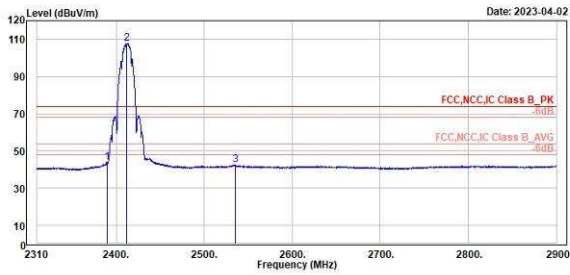
802.11b

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



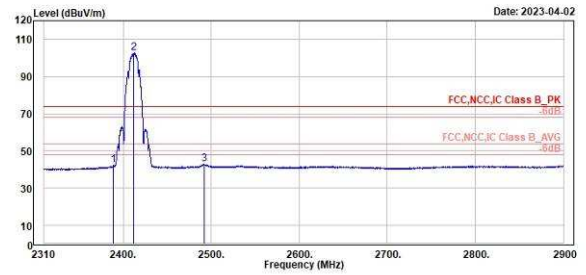
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.532	43.63	6.05	37.58	54.00	-10.37	349	344 Average	Horizontal	
2	2412.000	107.87	70.22	37.65	54.00	53.87	349	344 Average	Horizontal	
3	2535.616	42.35	4.46	37.89	54.00	-11.65	349	344 Average	Horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.296	42.21	4.63	37.58	54.00	-11.79	237	35 Average	Vertical	
2	2412.000	102.50	64.93	37.65	54.00	48.58	237	35 Average	Vertical	
3	2492.428	42.83	5.01	37.82	54.00	-11.17	237	35 Average	Vertical	

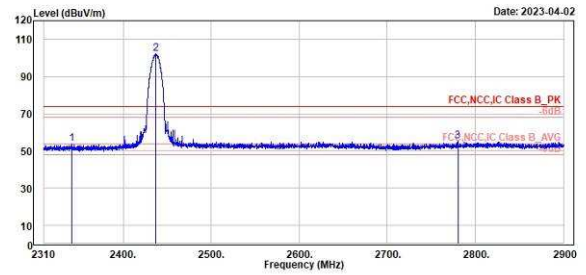
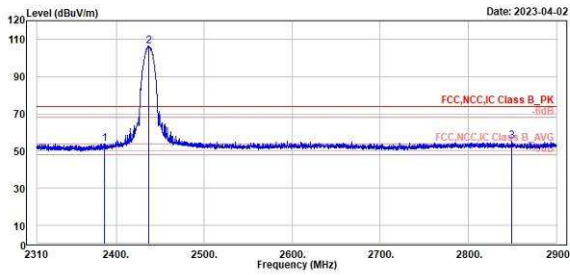
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Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak

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1	2	3							
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
2386.582	53.82	16.25	37.57	74.00	-20.18	245	194 Peak	Horizontal	
2437.888	106.47	68.79	37.68	74.00	32.47	245	194 Peak	Horizontal	
2849.498	55.28	17.84	38.16	74.00	-18.88	245	194 Peak	Horizontal	

1	2	3							
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
2341.506	53.88	16.54	37.34	74.00	-20.12	232	191 Peak	Vertical	
2437.888	102.82	64.34	37.68	74.00	28.82	232	191 Peak	Vertical	
2788.112	55.25	17.87	38.18	74.00	-18.75	232	191 Peak	Vertical	

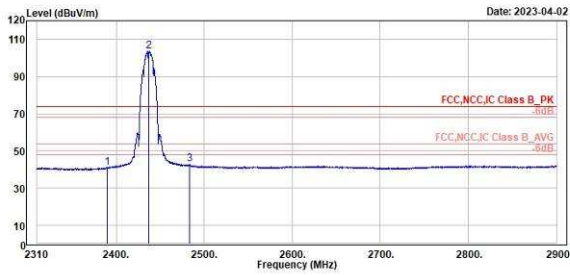
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Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average



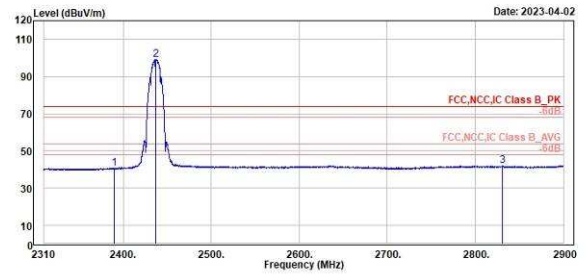
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.658	41.02	3.44	37.58	54.00	-12.98	245	194 Average	Horizontal	
2	2437.800	103.46	65.78	37.68	54.00	49.46	245	194 Average	Horizontal	
3	2483.696	42.69	4.89	37.80	54.00	-11.31	245	194 Average	Horizontal	



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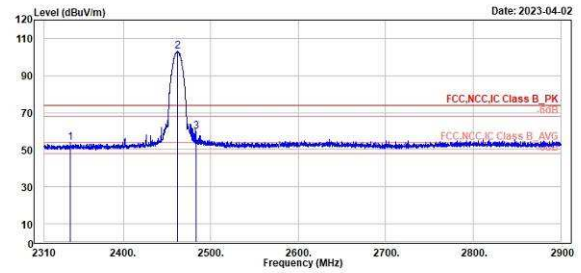
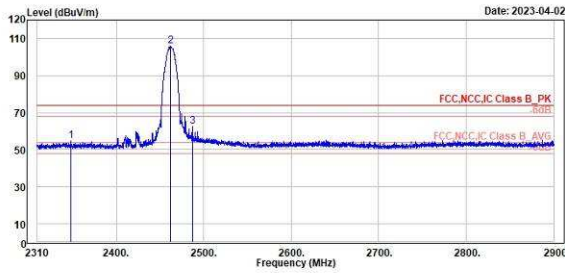


Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2390.004	40.68	3.18	37.58	54.00	-13.32	232	191 Average	Vertical	
2	2437.800	99.24	61.56	37.68	54.00	45.24	232	191 Average	Vertical	
3	2830.498	41.95	3.77	38.18	54.00	-12.05	232	191 Average	Vertical	

802.11b

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2349.114	54.57	17.29	37.37	74.00	-19.43	334	162	Peak	Horizontal	
2	2462.000	105.70	67.57	37.73	74.00	31.70	334	162	Peak	Horizontal	
3	2487.590	62.58	24.76	37.82	74.00	-11.42	334	162	Peak	Horizontal	

Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2339.500	53.65	16.31	37.34	74.00	-20.35	257	194	Peak	Vertical	
2	2462.000	103.32	65.59	37.73	74.00	29.32	257	194	Peak	Vertical	
3	2483.696	59.61	21.81	37.80	74.00	-14.39	257	194	Peak	Vertical	

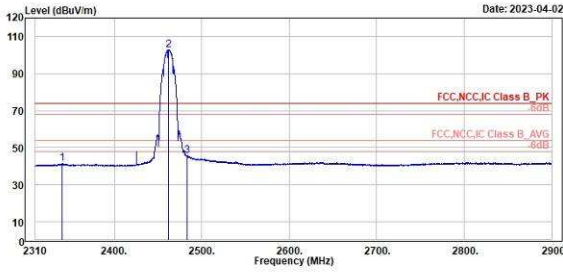
802.11b

High Channel (Horizontal) Average

High Channel (Vertical) Average



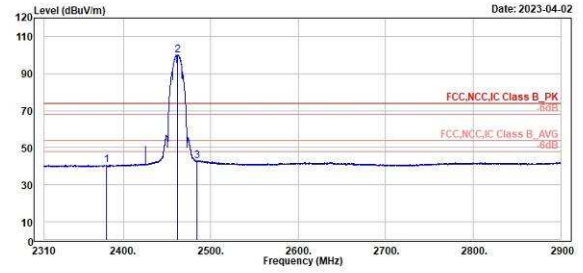
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2349.798	41.68	4.34	37.34	54.00	-12.32	334	162	Average	Horizontal	
2	2462.000	102.77	65.04	37.73	54.00	48.77	334	162	Average	Horizontal	
3	2483.814	45.63	7.83	37.80	54.00	-8.37	334	162	Average	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2381.626	40.62	3.08	37.54	54.00	-13.38	257	194	Average	Vertical	
2	2462.000	100.12	62.39	37.73	54.00	46.12	257	194	Average	Vertical	
3	2484.286	42.88	5.08	37.80	54.00	-11.12	257	194	Average	Vertical	

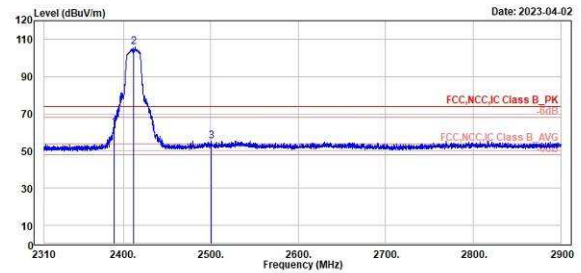
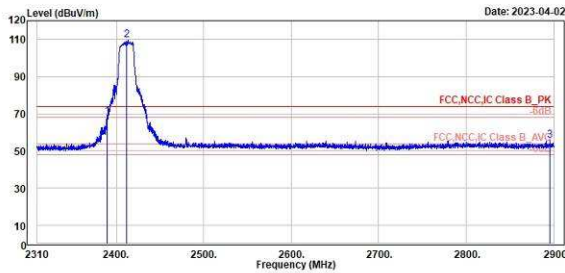
802.11g

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak

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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.650	68.23	30.65	37.58	74.00	-5.77	220	194 Peak	Horizontal	
2	2412.000	109.38	71.73	37.65	74.00	35.38	220	194 Peak	Horizontal	
3	2895.162	55.75	17.35	38.40	74.00	-18.25	220	194 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.414	62.63	25.05	37.58	74.00	-11.37	370	194 Peak	Vertical	
2	2412.000	105.68	68.03	37.65	74.00	31.68	370	194 Peak	Vertical	
3	2500.452	55.32	17.47	37.85	74.00	-18.68	370	194 Peak	Vertical	

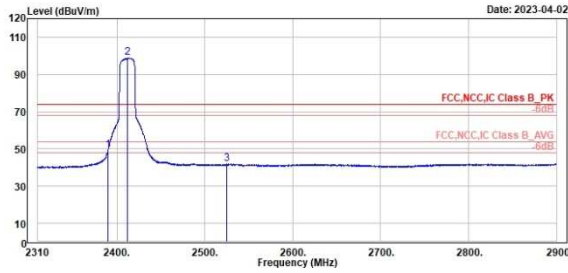
802.11g

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



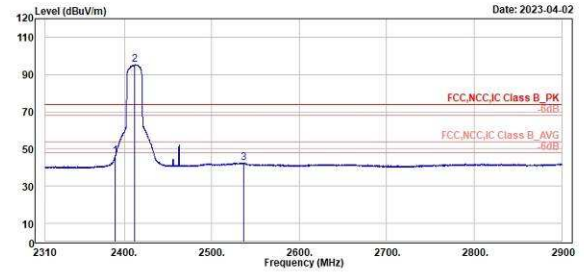
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2390.004	49.24	11.66	37.58	54.00	-4.76	220	194 Average	Horizontal	
2	2412.000	98.63	61.18	37.65	54.00	44.63	220	194 Average	Horizontal	
3	2524.760	42.00	4.12	37.88	54.00	-12.00	220	194 Average	Horizontal	



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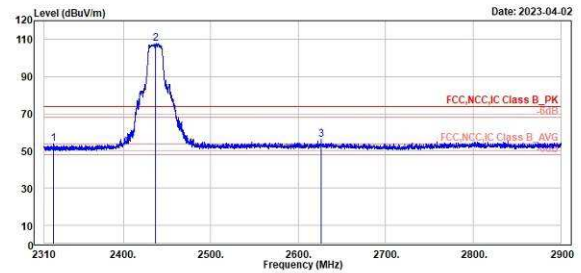
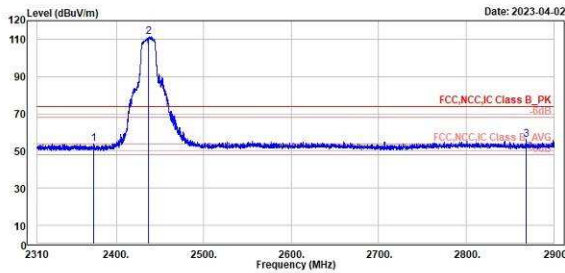
Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.886	46.00	8.50	37.50	54.00	-7.92	370	194 Average	Vertical	
2	2412.000	95.14	57.49	37.65	54.00	41.14	370	194 Average	Vertical	
3	2536.796	42.40	4.51	37.89	54.00	-11.60	370	194 Average	Vertical	



802.11g

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak



Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2374.874	53.81	16.31	37.58	74.00	-20.19	382	210 Peak	Horizontal
2	2437.800	111.30	73.62	37.68	74.00	37.30	382	210 Peak	Horizontal
3	2868.494	55.99	17.74	38.25	74.00	-18.01	382	210 Peak	Horizontal

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2329.266	53.92	16.64	37.28	74.00	-20.08	234	194 Peak	Vertical
2	2437.800	107.56	69.88	37.68	74.00	33.56	234	194 Peak	Vertical
3	2625.886	56.08	18.08	38.00	74.00	-17.92	234	194 Peak	Vertical

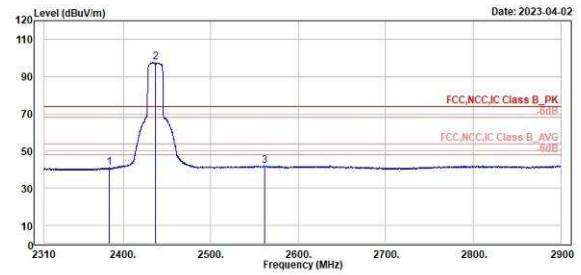
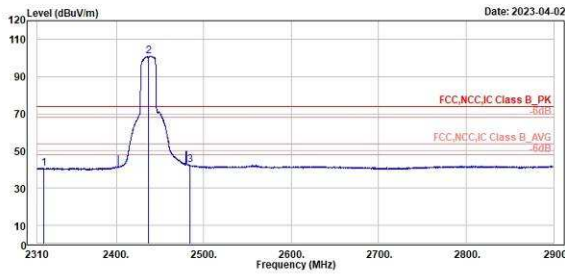
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Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average

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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2317.768	48.73	3.46	37.27	54.00	-13.27	382	210 Average	Horizontal	
2	2437.880	101.03	63.35	37.68	54.00	47.03	382	210 Average	Horizontal	
3	2484.168	42.56	4.76	37.80	54.00	-11.44	382	210 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2384.340	48.99	3.44	37.55	54.00	-13.01	234	194 Average	Vertical	
2	2437.880	97.52	59.84	37.68	54.00	43.52	234	194 Average	Vertical	
3	2561.812	42.11	4.19	37.92	54.00	-11.89	234	194 Average	Vertical	

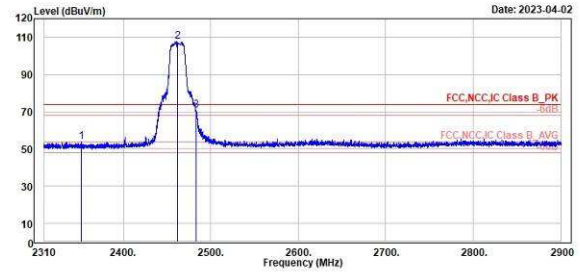
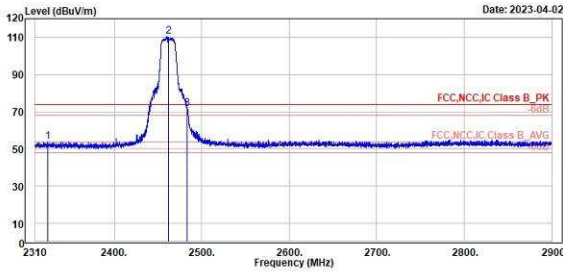
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High Channel (Horizontal) Peak

High Channel (Vertical) Peak

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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2324.278	53.96	16.67	37.29	74.00	-20.04	241	196 Peak	Horizontal	
2 *	2462.000	110.25	72.52	37.73	74.00	36.25	241	196 Peak	Horizontal	
3 !	2483.814	71.65	33.85	37.80	74.00	-2.35	241	196 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2351.090	53.78	16.39	37.39	74.00	-20.22	256	193 Peak	Vertical	
2 *	2462.000	107.55	69.82	37.73	74.00	33.55	256	193 Peak	Vertical	
3 !	2483.578	70.79	32.99	37.80	74.00	-3.21	256	193 Peak	Vertical	

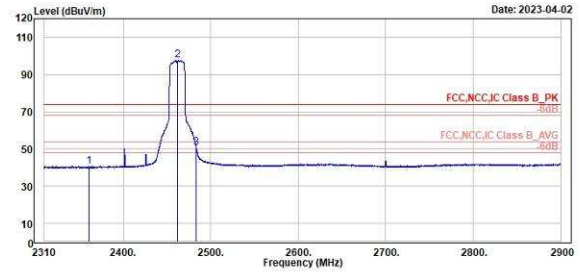
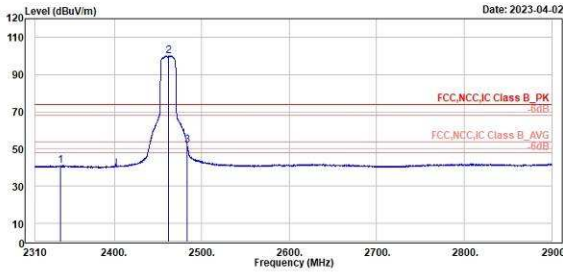
802.11g

High Channel (Horizontal) Average

High Channel (Vertical) Average

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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2338.792	41.05	3.71	37.34	54.00	-12.95	241	196 Average	Horizontal	
2	2462.000	100.10	62.37	37.73	54.00	46.10	241	196 Average	Horizontal	
3	2483.468	52.15	14.35	37.80	54.00	-1.85	241	196 Average	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2361.212	40.63	3.20	37.43	54.00	-13.37	256	193 Average	Vertical	
2	2462.000	97.52	59.79	37.73	54.00	43.52	256	193 Average	Vertical	
3	2483.468	50.81	13.01	37.80	54.00	-3.19	256	193 Average	Vertical	

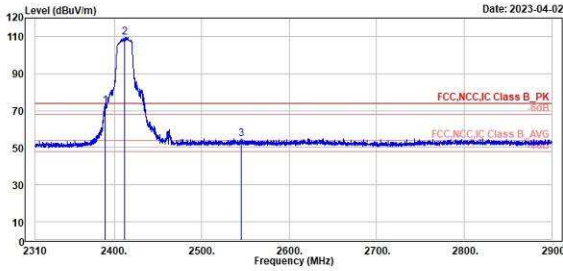
802.11n HT20

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



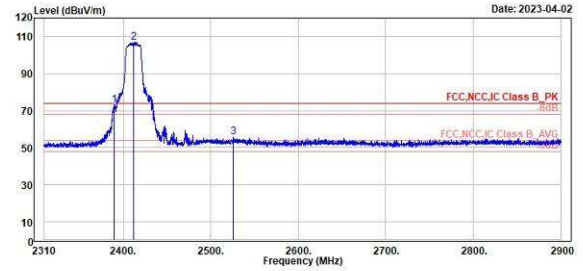
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1   2389.532	72.76	35.18	37.58	74.00	-1.24	250		168 Peak	Horizontal	
2 * 2412.000	109.39	71.74	37.65	74.00	35.39	250		168 Peak	Horizontal	
3   2545.174	54.94	17.04	37.90	74.00	-19.06	250		168 Peak	Horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1   2389.086	72.83	35.25	37.58	74.00	-1.17	369		88 Peak	Vertical	
2 * 2412.000	108.96	69.33	37.65	74.00	32.98	369		88 Peak	Vertical	
3   2525.704	55.84	17.96	37.88	74.00	-16.16	369		88 Peak	Vertical	

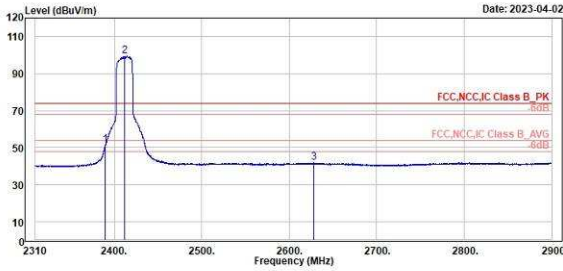
802.11n HT20

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



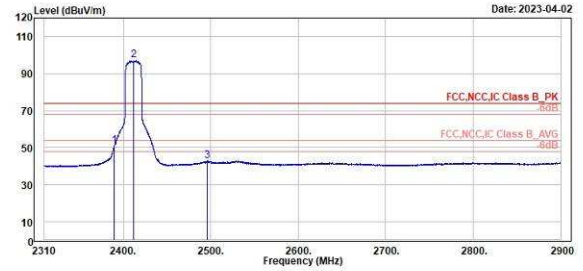
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2399.004	51.34	13.76	37.58	54.00	-2.66	250	168 Average	Horizontal	
2	2412.000	99.90	61.85	37.05	54.00	45.90	250	168 Average	Horizontal	
3	2627.774	41.83	3.83	38.00	54.00	-12.17	250	168 Average	Horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2399.004	51.01	13.43	37.58	54.00	-2.99	369	88 Average	Vertical	
2	2412.000	97.05	59.40	37.65	54.00	43.05	369	88 Average	Vertical	
3	2495.960	42.82	4.98	37.84	54.00	-11.18	369	88 Average	Vertical	

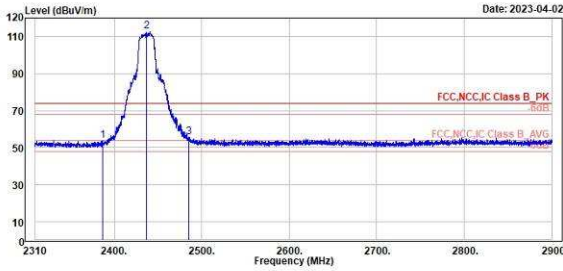
802.11n HT20

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak



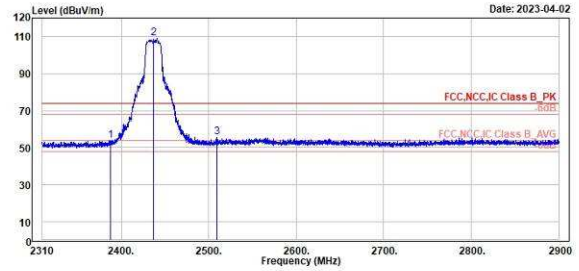
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2387.172	53.95	16.38	37.57	74.00	-20.05	245	193	Peak	Horizontal	
2	2437.000	112.68	74.92	37.65	74.00	38.68	245	193	Peak	Horizontal	
3	2485.112	55.76	17.96	37.80	74.00	-18.24	245	193	Peak	Horizontal	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2388.116	53.92	16.35	37.57	74.00	-20.08	259	207	Peak	Vertical	
2	2437.000	108.80	71.22	37.65	74.00	34.80	259	207	Peak	Vertical	
3	2509.892	55.83	17.97	37.86	74.00	-18.17	259	207	Peak	Vertical	

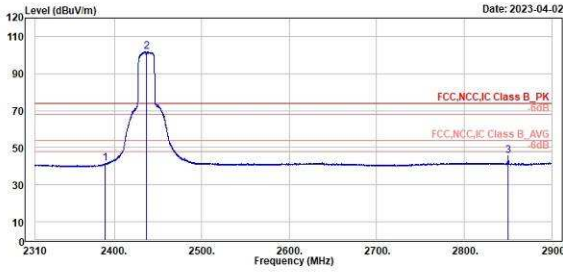
802.11n HT20

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average



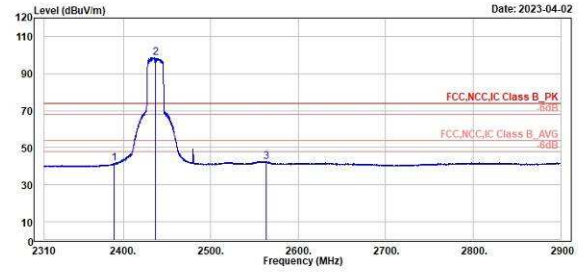
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2399.084	41.33	3.75	37.58	54.00	-12.67	245	193 Average	Horizontal	
2	2437.080	101.03	64.15	37.08	54.00	47.03	245	193 average	Horizontal	
3	2859.086	45.49	7.33	38.16	54.00	-8.51	245	193 Average	Horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2399.768	41.43	3.05	37.58	54.00	-12.57	259	207 Average	Vertical	
2	2437.080	98.01	60.93	37.08	54.00	44.01	259	207 Average	Vertical	
3	2563.228	42.65	4.73	37.92	54.00	-11.35	259	207 Average	Vertical	



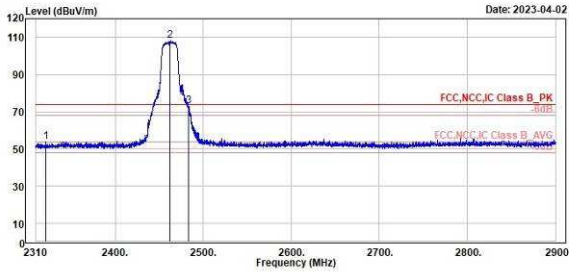
802.11n HT20

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



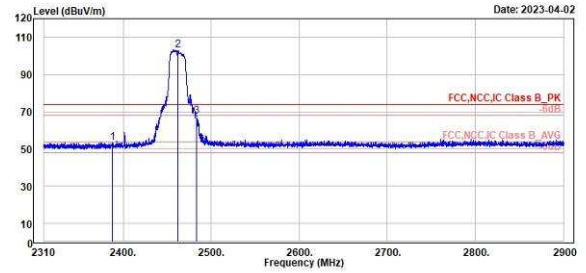
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2321.682	53.99	16.71	37.28	74.00	-20.01	375	194	Peak	Horizontal	
2 *	2462.088	108.18	70.45	37.73	74.00	34.18	375	194	Peak	Horizontal	
3 !	2483.696	72.99	35.19	37.80	74.00	-1.01	375	194	Peak	Horizontal	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2388.352	53.56	15.99	37.57	74.00	-20.44	100	10	Peak	Vertical	
2 *	2462.088	103.27	65.54	37.73	74.00	29.27	100	10	Peak	Vertical	
3	2483.578	67.62	29.82	37.80	74.00	-6.38	100	10	Peak	Vertical	

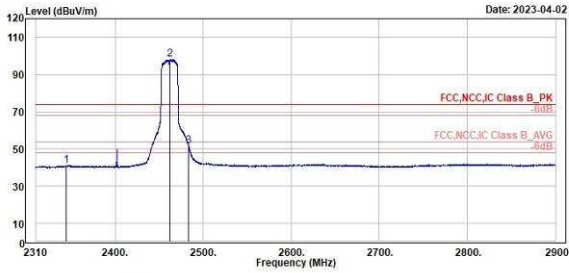
802.11n HT20

High Channel (Horizontal) Average

High Channel (Vertical) Average



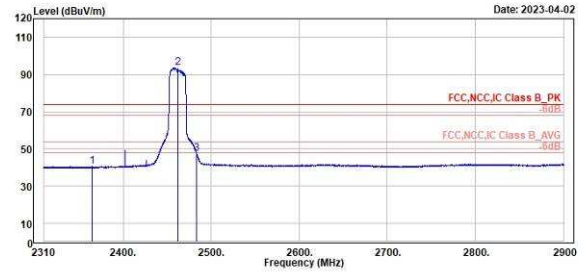
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2344.692	49.93	3.57	37.36	54.00	-13.07	375	194 Average	Horizontal	
2 *	2462.000	98.17	60.44	37.73	54.00	44.17	375	194 Average	Horizontal	
3 !	2483.460	51.66	13.86	37.80	54.00	-2.34	375	194 Average	Horizontal	



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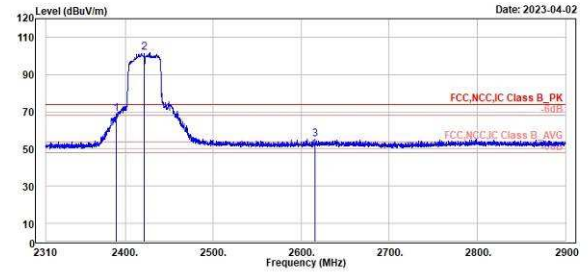
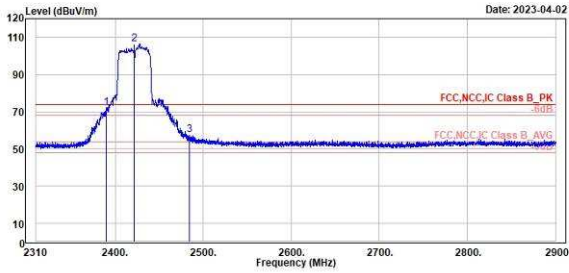


Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2365.106	49.51	3.06	37.45	54.00	-13.49	100	10 Average	Vertical	
2 *	2462.000	93.50	55.05	37.73	54.00	39.58	100	10 Average	Vertical	
3	2483.460	47.39	9.59	37.80	54.00	-6.61	100	10 Average	Vertical	

802.11n HT40

Low Channel (Horizontal) Peak

Low Channel (Vertical) Peak



Peak	Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2390.004	72.00	34.50	37.50	74.00	-1.92	129	201	Peak	Horizontal	
2	2422.000	106.50	68.84	37.66	74.00	32.50	129	201	Peak	Horizontal	
3	2484.286	57.44	19.64	37.80	74.00	-16.56	129	201	Peak	Horizontal	

Peak	Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	2389.760	68.74	31.16	37.58	74.00	-5.26	100	189	Peak	Vertical	
2	2422.000	101.61	63.95	37.66	74.00	27.61	100	189	Peak	Vertical	
3	2615.620	55.27	17.28	37.99	74.00	-18.73	100	189	Peak	Vertical	

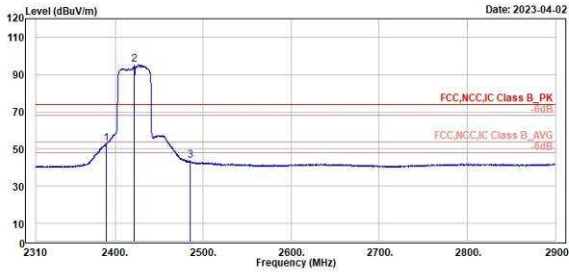
802.11n HT40

Low Channel (Horizontal) Average

Low Channel (Vertical) Average



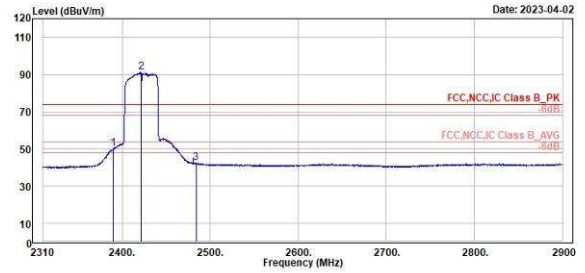
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1   2390.004	52.79	15.21	37.58	54.00	-1.21	129	201	Average	Horizontal	
2 * 2422.000	95.16	57.50	37.66	54.00	41.16	129	201	Average	Horizontal	
3 2485.112	43.78	5.90	37.88	54.00	-10.30	129	201	Average	Horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1   2390.004	50.03	12.45	37.58	54.00	-3.97	100	189	Average	Vertical	
2 * 2422.000	91.10	53.44	37.66	54.00	37.10	100	189	Average	Vertical	
3 2483.932	42.44	4.64	37.80	54.00	-11.56	100	189	Average	Vertical	

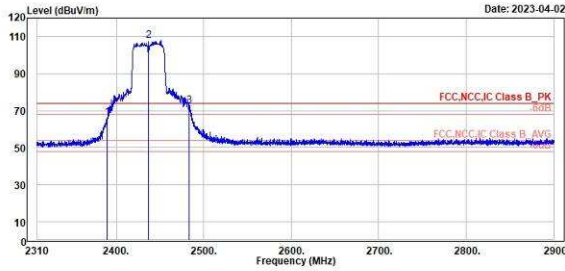
802.11n HT40

Middle Channel (Horizontal) Peak

Middle Channel (Vertical) Peak



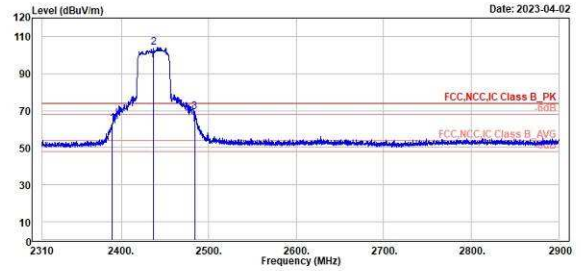
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Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2389.768	66.22	28.64	37.58	74.00	-7.78	151	197	Peak	Horizontal	
2	* 2437.000	107.66	79.89	37.65	74.00	33.65	151	197	Peak	Horizontal	
3	! 2483.460	72.47	34.67	37.80	74.00	-1.53	151	197	Peak	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2389.086	62.86	25.28	37.58	74.00	-11.14	100	189	Peak	Vertical	
2	* 2437.000	103.09	66.21	37.68	74.00	29.09	100	189	Peak	Vertical	
3	! 2483.932	69.37	31.57	37.80	74.00	-4.63	100	189	Peak	Vertical	

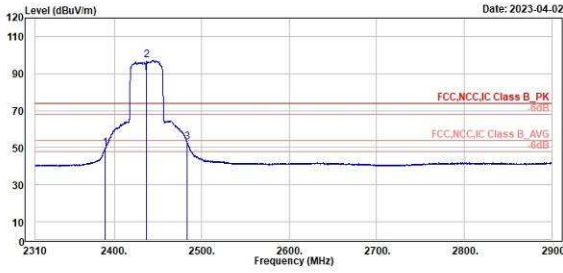
802.11n HT40

Middle Channel (Horizontal) Average

Middle Channel (Vertical) Average



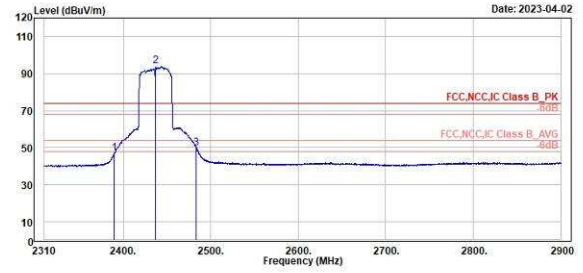
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1   2399.064	49.69	12.11	37.58	54.00	-4.31	151	197	Average	Horizontal	
2 * 2437.000	97.04	59.36	37.68	54.00	43.04	151	197	average	Horizontal	
3   2483.460	52.78	14.98	37.80	54.00	-1.22	151	197	Average	Horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1   2399.064	46.99	9.41	37.58	54.00	-7.01	100	189	Average	Vertical	
2 * 2437.000	93.82	56.14	37.68	54.00	39.82	100	189	Average	Vertical	
3   2483.460	49.77	11.97	37.80	54.00	-4.23	100	189	Average	Vertical	

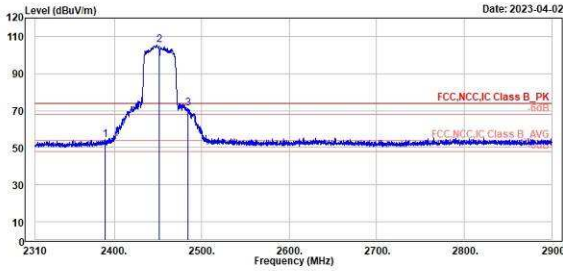
802.11n HT40

High Channel (Horizontal) Peak

High Channel (Vertical) Peak



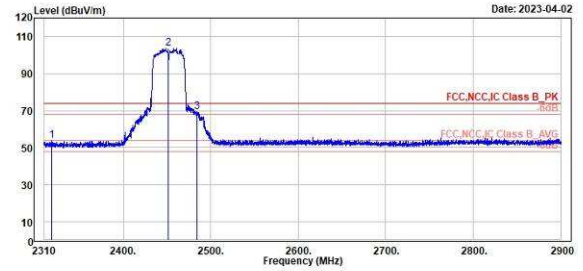
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2389.532	54.20	16.62	37.58	74.00	-19.80	151	199	Peak	Horizontal	
2 *	2452.880	105.54	67.85	37.69	74.00	31.54	151	199	Peak	Horizontal	
3 †	2484.758	71.37	33.57	37.80	74.00	-2.63	151	199	Peak	Horizontal	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	2318.142	53.75	16.47	37.28	74.00	-20.25	269	193	Peak	Vertical	
2 *	2452.880	103.40	65.71	37.69	74.00	29.40	269	193	Peak	Vertical	
3 †	2484.876	69.29	31.49	37.80	74.00	-4.71	269	193	Peak	Vertical	

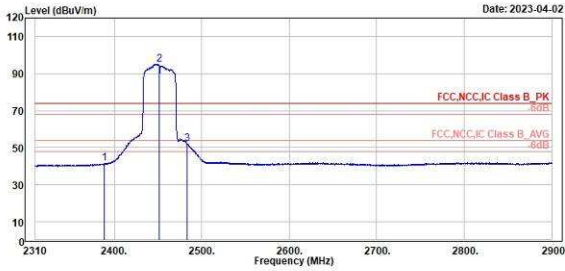
802.11n HT40

High Channel (Horizontal) Average

High Channel (Vertical) Average



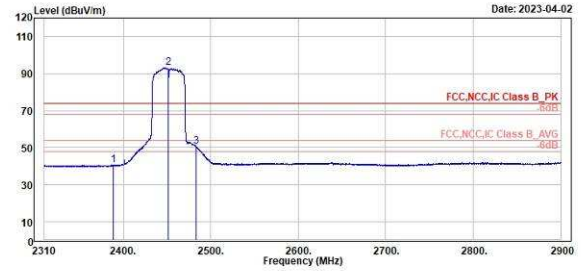
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Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2389.869	41.61	4.83	37.58	54.00	-12.39	151	199	Average	Horizontal	
2	* 2452.888	94.94	57.25	37.69	54.00	40.94	151	199	Average	Horizontal	
3	! 2483.578	52.28	14.40	37.88	54.00	-1.80	151	199	Average	Horizontal	



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Freq	Level	Read	Level	Factor	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	dB	cm	deg			
1	2388.942	48.57	2.99	37.58	54.00	-13.43	269	193	Average	Vertical	
2	* 2452.888	92.83	55.24	37.69	54.00	38.93	269	193	Average	Vertical	
3	! 2483.460	50.49	12.69	37.80	54.00	-3.51	269	193	Average	Vertical	



Spurious Emissions, Tx Mode, 9kHz ~ 30MHz

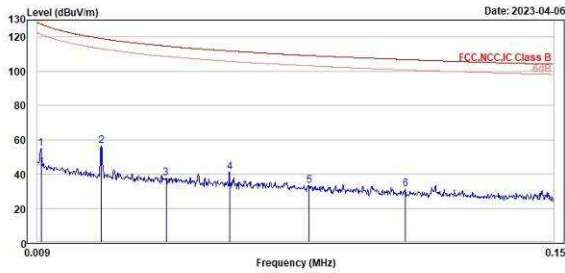
802.11n HT20

High Channel 9kHz~150kHz(Open)

High Channel 150kHz~30MHz(Open)



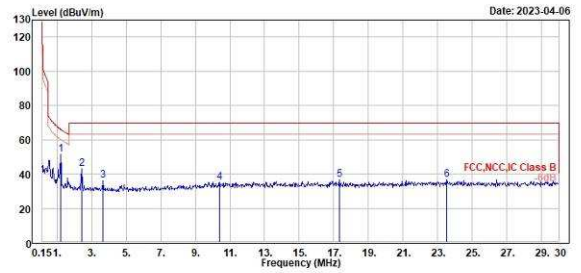
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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	0.010	54.64	36.92	17.72	127.68	-72.96	100	63	Peak	Open	
2	0.020	56.49	37.54	18.95	119.13	-62.64	100	183	Peak	Open	
3	0.044	37.66	18.52	19.14	114.70	-77.04	100	91	Peak	Open	
4	0.061	41.11	22.27	18.84	111.82	-70.71	100	81	Peak	Open	
5	0.083	33.09	14.78	18.31	109.20	-76.11	100	247	Peak	Open	
6	0.109	31.06	13.10	17.96	106.82	-75.76	100	228	Peak	Open	



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Peak	Freq (MHz)	Level (dBuV/m)	Read Level (dBuV)	Level Factor (dB/m)	Limit Line (dBuV/m)	Over Limit (dB)	APos (cm)	TPos (deg)	Remark	Pol/Phase	Note
1	1.225	51.17	32.03	19.14	65.84	-14.67	100	119	Peak	Open	
2	2.419	43.08	23.62	19.46	69.98	-26.42	100	119	Peak	Open	
3	3.672	36.32	16.75	19.57	69.50	-33.18	100	84	Peak	Open	
4	10.389	35.07	13.45	21.62	69.50	-34.43	100	351	Peak	Open	
5	17.344	36.48	14.29	22.11	69.50	-33.10	100	130	Peak	Open	
6	23.523	36.80	14.45	22.35	69.50	-32.70	100	67	Peak	Open	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

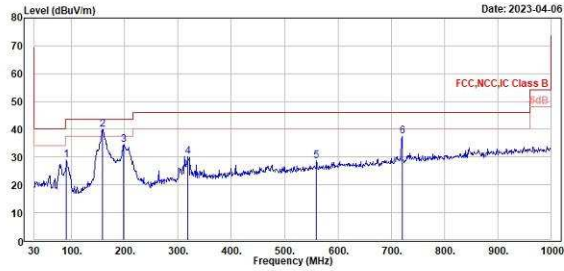
802.11n HT20

High Channel (Horizontal)

High Channel (Vertical)



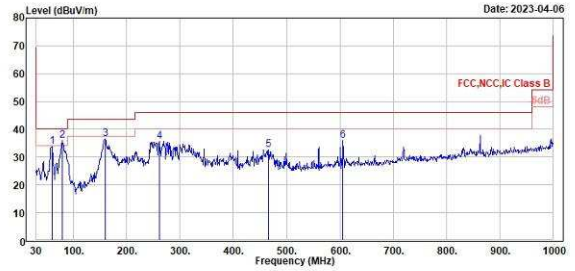
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Peak	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	98.148	28.81	42.82	-14.01	43.58	-14.69	200	328 Peak	Horizontal	
2	158.848	39.81	47.26	-7.45	43.58	-3.69	200	182 Peak	Horizontal	
3	197.810	34.41	44.34	-9.93	43.58	-9.09	100	83 Peak	Horizontal	
4	318.898	30.23	36.18	-5.95	46.00	-15.77	200	152 Peak	Horizontal	
5	559.628	28.55	30.49	-1.94	46.00	-17.45	200	276 Peak	Horizontal	
6	728.648	37.45	36.82	0.63	46.00	-8.55	100	348 Peak	Horizontal	



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Peak	Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	59.188	33.74	42.09	-8.35	48.00	-6.26	142	368 Peak	Vertical	
2	78.588	35.75	47.21	-11.46	48.00	-4.25	100	251 Peak	Vertical	
3	159.010	36.54	43.88	-7.34	43.58	-6.96	100	156 Peak	Vertical	
4	261.830	35.74	43.41	-7.67	46.00	-10.26	100	126 Peak	Vertical	
5	466.588	32.49	35.81	-3.32	46.00	-13.51	100	167 Peak	Vertical	
6	686.188	35.79	36.78	-0.99	46.00	-10.21	100	195 Peak	Vertical	

Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

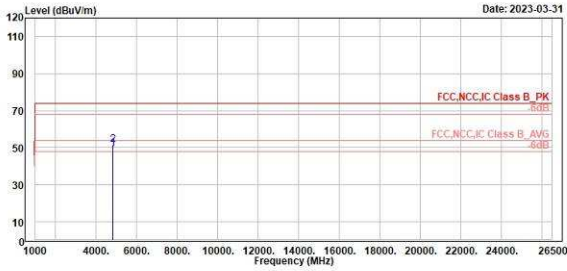
802.11b

Low Channel (Horizontal)

Low Channel (Vertical)



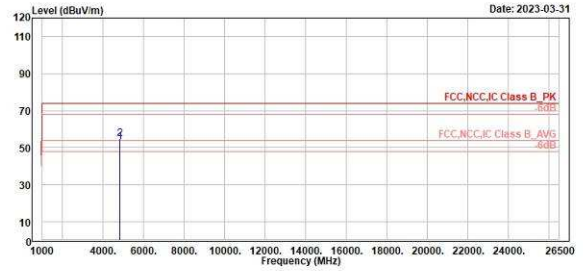
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1   4824.000	49.45	59.79	-10.34	54.00	-4.55	115	273	Average	Horizontal	
2   4824.000	51.69	62.03	-10.34	74.00	-22.31	115	273	Peak	Horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1   4824.000	52.98	63.32	-10.34	54.00	-1.02	199	187	Average	Vertical	
2   4824.000	54.77	65.11	-10.34	74.00	-19.23	199	187	Peak	Vertical	



802.11b

High Channel (Horizontal)

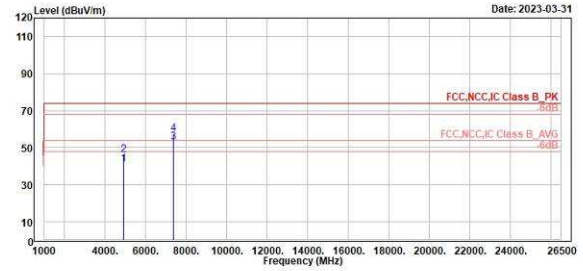
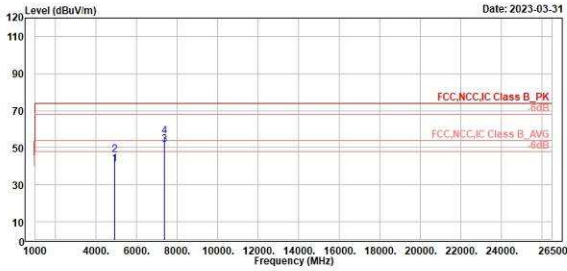
High Channel (Vertical)



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1	2	3	4								
Freq	Level	Read	Limit								
MHz	dBuV/m	Level	Line								
		Factor	Over								
		dB/m	Limit								
			Limit								
			dB								
			cm								
			deg								
1	4924.000	48.97	51.28	-18.31	54.00	-13.03	100	23	Average	Horizontal	
2	4924.000	46.13	56.44	-18.31	74.00	-27.87	100	23	Peak	Horizontal	
3	7386.000	51.40	59.86	-8.46	54.00	-2.60	333	223	Average	Horizontal	
4	7386.000	56.26	64.72	-8.46	74.00	-17.74	333	223	Peak	Horizontal	

1	2	3	4								
Freq	Level	Read	Limit								
MHz	dBuV/m	Level	Line								
		Factor	Over								
		dB/m	Limit								
			Limit								
			dB								
			cm								
			deg								
1	4924.000	41.21	51.52	-18.31	54.00	-12.79	100	60	Average	Vertical	
2	4924.000	46.20	56.51	-18.31	74.00	-27.80	100	60	Peak	Vertical	
3	7386.000	52.83	61.29	-8.46	54.00	-1.17	249	222	Average	Vertical	
4	7386.000	57.46	65.92	-8.46	74.00	-16.54	249	222	Peak	Vertical	

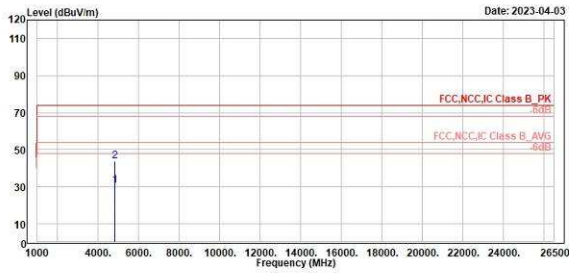
802.11g

Low Channel (Horizontal)

Low Channel (Vertical)



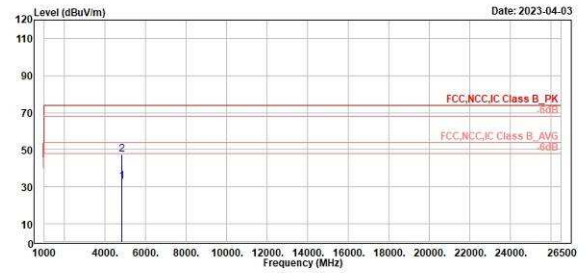
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Line	Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4824.000	38.68	41.02	-18.34	54.00	-23.32	300	209	Average	Horizontal	
2	4824.000	43.69	54.03	-18.34	74.00	-30.31	300	209	Peak	Horizontal	



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Line	Freq	Level	Read Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4824.000	32.88	43.22	-10.34	54.00	-21.12	200	1	Average	Vertical	
2	4824.000	47.53	57.87	-10.34	74.00	-26.47	200	1	Peak	Vertical	

802.11g

Middle Channel (Horizontal)

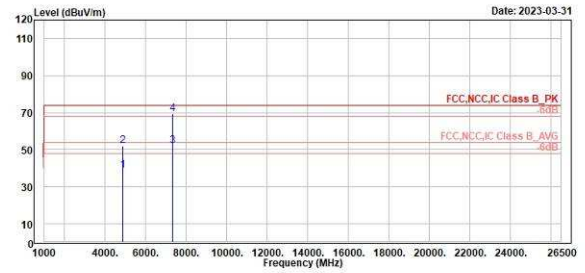
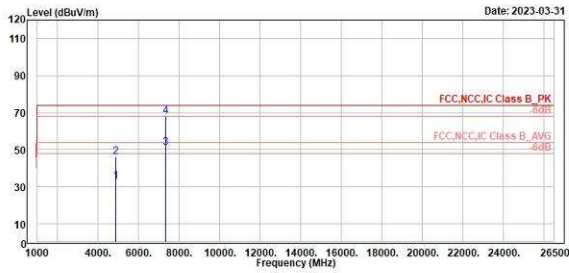
Middle Channel (Vertical)



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1	2	3	4							
Level	Level	Level	Level							
Factor	Factor	Factor	Factor							
Limit	Limit	Limit	Limit							
Over	Over	Over	Over							
Line	Line	Line	Line							
Limit	Limit	Limit	Limit							
Apos	Apos	Apos	Apos							
Tpos	Tpos	Tpos	Tpos							
Remark	Remark	Remark	Remark							
Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase							
Note	Note	Note	Note							
4874.000	32.74	43.07	-10.33	54.00	-21.26	400	360	Average	Horizontal	
4874.000	46.08	56.41	-10.33	74.00	-27.92	400	360	Peak	Horizontal	
7311.000	51.32	59.81	-8.49	54.00	-2.68	348	223	Average	Horizontal	
7311.000	68.04	76.53	-8.49	74.00	-5.96	348	223	Peak	Horizontal	

1	2	3	4							
Level	Level	Level	Level							
Factor	Factor	Factor	Factor							
Limit	Limit	Limit	Limit							
Over	Over	Over	Over							
Line	Line	Line	Line							
Limit	Limit	Limit	Limit							
Apos	Apos	Apos	Apos							
Tpos	Tpos	Tpos	Tpos							
Remark	Remark	Remark	Remark							
Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase							
Note	Note	Note	Note							
4874.000	38.75	49.08	-10.33	54.00	-15.25	273	154	Average	Vertical	
4874.000	52.03	62.36	-10.33	74.00	-21.97	273	154	Peak	Vertical	
7311.000	52.08	60.57	-8.49	54.00	-1.92	222	68	Average	Vertical	
7311.000	69.36	77.85	-8.49	74.00	-4.64	222	68	Peak	Vertical	

802.11g

High Channel (Horizontal)

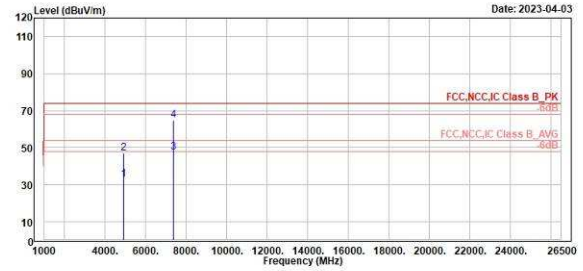
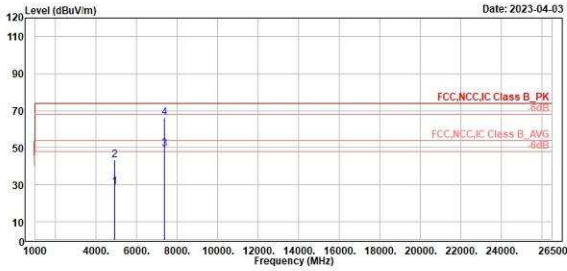
High Channel (Vertical)



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1	2	3	4						
Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
4924.000	28.80	39.11	-10.31	54.00	-25.20	300	148 Average	Horizontal	
4924.000	43.15	53.46	-10.31	74.00	-30.85	300	148 Peak	Horizontal	
7386.000	49.42	57.88	-8.46	54.00	-4.58	200	324 Average	Horizontal	
7386.000	66.19	74.65	-8.46	74.00	-7.81	200	324 Peak	Horizontal	

1	2	3	4						
Freq	Level	Read	Limit	Over	Apos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
4924.000	33.07	43.38	-10.31	54.00	-20.93	317	360 Average	Vertical	
4924.000	47.00	57.31	-10.31	74.00	-27.00	317	360 Peak	Vertical	
7386.000	47.67	56.13	-8.46	54.00	-6.33	115	25 Average	Vertical	
7386.000	64.85	73.31	-8.46	74.00	-9.15	115	25 Peak	Vertical	



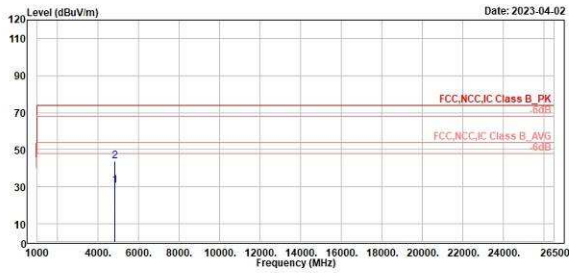
802.11n HT20

Low Channel (Horizontal)

Low Channel (Vertical)



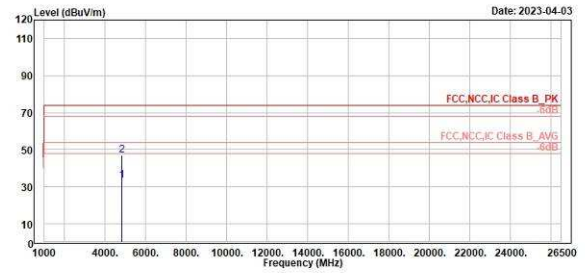
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4824.000	38.37	40.71	-10.34	54.00	-23.63	369	360 Average	Horizontal	
2	4824.000	43.92	54.26	-10.34	74.00	-30.08	369	360 Peak	Horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4824.000	33.10	43.44	-10.34	54.00	-20.90	200	359 Average	Vertical	
2	4824.000	46.81	57.15	-10.34	74.00	-27.19	200	359 Peak	Vertical	

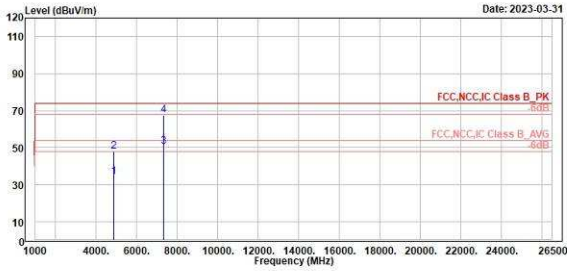
802.11n HT20

Middle Channel (Horizontal)

Middle Channel (Vertical)



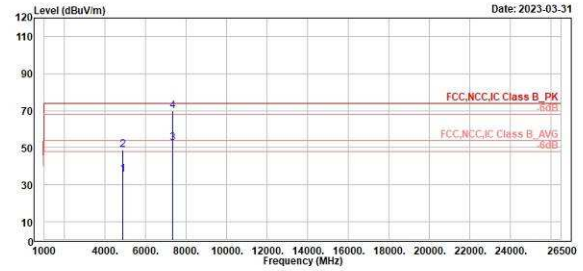
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4874.000	34.42	44.75	-10.33	54.00	-19.58	100	13 Average	Horizontal	
2	4874.000	47.91	58.24	-10.33	74.00	-26.09	100	13 Peak	Horizontal	
3	7311.000	50.48	58.97	-8.49	54.00	-3.52	200	210 Average	Horizontal	
4	7311.000	67.32	75.81	-8.49	74.00	-6.68	200	210 Peak	Horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4874.000	35.39	45.72	-10.33	54.00	-18.61	400	129 Average	Vertical	
2	4874.000	48.86	59.19	-10.33	74.00	-25.14	400	129 Peak	Vertical	
3	7311.000	52.57	61.06	-8.49	54.00	-1.43	200	224 Average	Vertical	
4	7311.000	69.73	78.22	-8.49	74.00	-4.27	200	224 Peak	Vertical	

802.11n HT20

High Channel (Horizontal)

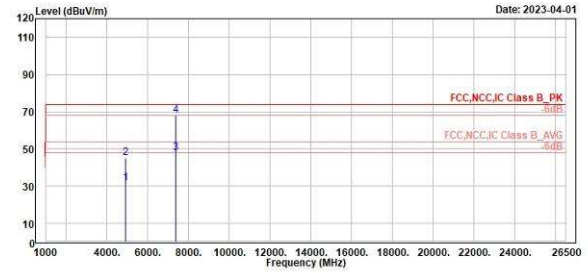
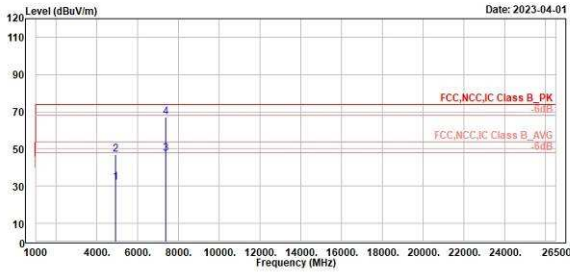
High Channel (Vertical)



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1	2	3	4							
Level	Level	Level	Level							
Factor	Factor	Factor	Factor							
Limit	Limit	Limit	Limit							
Over	Over	Over	Over							
Apos	Apos	Apos	Apos							
TPos	TPos	TPos	TPos							
Remark	Remark	Remark	Remark							
Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase							
Note	Note	Note	Note							
4924.000	31.93	42.24	-10.31	54.00	-22.07	180	24	Average	Horizontal	
4924.000	46.88	57.19	-10.31	74.00	-27.12	180	24	Peak	Horizontal	
7386.000	47.33	55.79	-8.46	54.00	-6.67	300	222	Average	Horizontal	
7386.000	67.04	75.50	-8.46	74.00	-6.96	300	222	Peak	Horizontal	

1	2	3	4							
Level	Level	Level	Level							
Factor	Factor	Factor	Factor							
Limit	Limit	Limit	Limit							
Over	Over	Over	Over							
Apos	Apos	Apos	Apos							
TPos	TPos	TPos	TPos							
Remark	Remark	Remark	Remark							
Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase							
Note	Note	Note	Note							
4924.000	31.60	41.91	-10.31	54.00	-22.40	300	350	Average	Vertical	
4924.000	45.12	55.43	-10.31	74.00	-28.88	300	350	Peak	Vertical	
7386.000	47.92	56.38	-8.46	54.00	-6.08	235	360	Average	Vertical	
7386.000	68.04	76.50	-8.46	74.00	-5.96	235	360	Peak	Vertical	



802.11n HT40

Middle Channel (Horizontal)

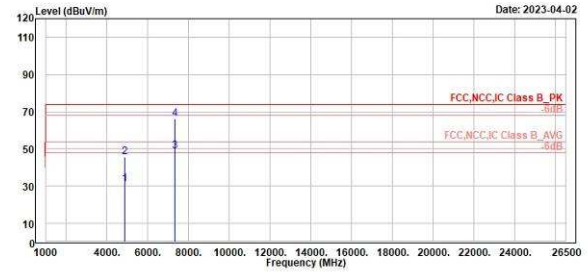
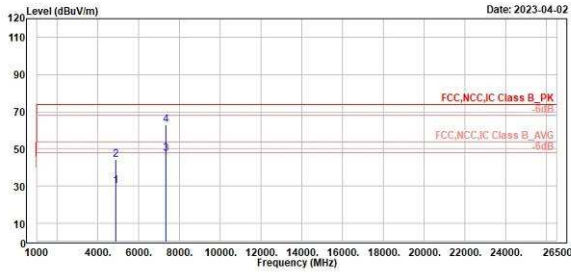
Middle Channel (Vertical)



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4874.000	30.16	40.49	-10.33	54.00	-23.84	180	25 Average	Horizontal	
2	4874.000	44.30	54.63	-10.33	74.00	-29.70	180	25 Peak	Horizontal	
3	7311.000	47.39	55.88	-8.49	54.00	-6.61	272	231 Average	Horizontal	
4	7311.000	63.07	71.56	-8.49	74.00	-10.93	272	231 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4874.000	31.05	41.38	-10.33	54.00	-22.95	208	352 Average	Vertical	
2	4874.000	45.40	55.73	-10.33	74.00	-28.60	208	352 Peak	Vertical	
3	7311.000	48.98	57.47	-8.49	54.00	-5.02	216	224 Average	Vertical	
4	7311.000	66.22	74.71	-8.49	74.00	-7.78	216	224 Peak	Vertical	

802.11n HT40

High Channel (Horizontal)

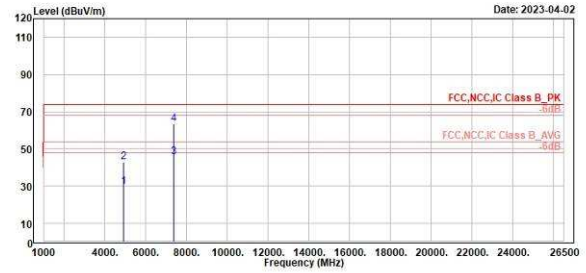
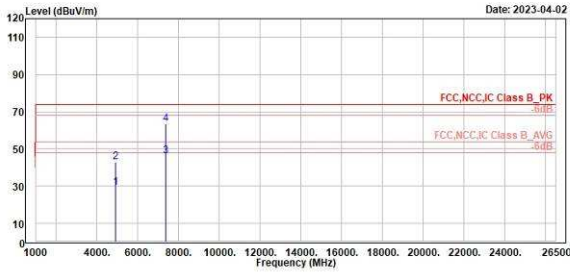
High Channel (Vertical)



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1	2	3	4							
Level	Level	Level	Level							
Factor	Factor	Factor	Factor							
Limit	Limit	Limit	Limit							
Over	Over	Over	Over							
Apos	Apos	Apos	Apos							
TPos	TPos	TPos	TPos							
Remark	Remark	Remark	Remark							
Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase							
Note	Note	Note	Note							
4904.000	29.00	39.45	-10.37	54.00	-24.92	180	154	Average	Horizontal	
4904.000	42.93	53.30	-10.37	74.00	-31.07	180	154	Peak	Horizontal	
7356.000	46.25	54.78	-8.53	54.00	-7.75	288	68	Average	Horizontal	
7356.000	63.33	71.86	-8.53	74.00	-10.67	288	68	Peak	Horizontal	

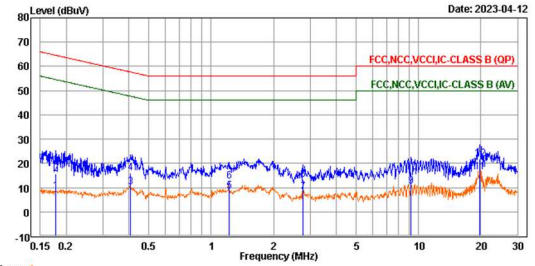
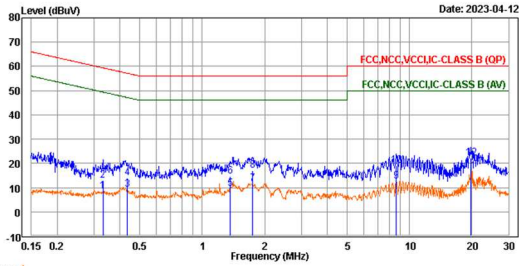
1	2	3	4							
Level	Level	Level	Level							
Factor	Factor	Factor	Factor							
Limit	Limit	Limit	Limit							
Over	Over	Over	Over							
Apos	Apos	Apos	Apos							
TPos	TPos	TPos	TPos							
Remark	Remark	Remark	Remark							
Pol/Phase	Pol/Phase	Pol/Phase	Pol/Phase							
Note	Note	Note	Note							
4904.000	29.47	39.84	-10.37	54.00	-24.53	367	360	Average	Vertical	
4904.000	42.90	53.27	-10.37	74.00	-31.10	367	360	Peak	Vertical	
7356.000	45.56	54.09	-8.53	54.00	-8.44	286	68	Average	Vertical	
7356.000	63.56	72.09	-8.53	74.00	-10.44	286	68	Peak	Vertical	

Mains Conducted Emission, 150kHz ~ 30MHz

Worst Band

(Line)

(Neutral)



Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.33	8.33	-1.34	9.67	49.42	-41.09	Average	line1	
2	0.33	12.81	3.14	9.67	59.42	-46.61	QP	line1	
3	0.43	9.01	-0.57	9.68	47.18	-38.17	Average	line1	
4	0.43	13.92	4.24	9.68	57.18	-43.26	QP	line1	
5	1.36	9.67	-0.03	9.70	46.00	-36.33	Average	line1	
6	1.36	14.56	4.86	9.70	56.00	-41.44	QP	line1	
7	1.74	11.39	1.68	9.71	46.00	-34.61	Average	line1	
8	1.74	16.98	7.27	9.71	56.00	-39.02	QP	line1	
9	8.63	12.65	2.86	9.79	50.00	-37.35	Average	line1	
10	8.63	19.24	9.45	9.79	60.00	-40.76	QP	line1	
11	19.74	16.61	6.80	9.81	50.00	-33.39	Average	line1	
12	19.74	22.32	12.51	9.81	60.00	-37.68	QP	line1	

Trace: 1

Line	Freq	Level	Read Level	Factor	Limit	Over	Remark	Pol/Phase	Note
	MHz	dBuV	dBuV	dB	dBuV	dB			
1	0.18	8.42	-1.24	9.66	54.55	-46.13	Average	neutral	
2	0.18	15.70	6.04	9.66	64.55	-48.85	QP	neutral	
3	0.41	10.11	0.45	9.66	47.68	-37.57	Average	neutral	
4	0.41	16.12	6.46	9.66	57.68	-41.56	QP	neutral	
5	1.22	8.34	-1.32	9.66	46.00	-37.66	Average	neutral	
6	1.22	12.65	2.99	9.66	56.00	-43.35	QP	neutral	
7	2.77	8.24	-1.47	9.71	46.00	-37.76	Average	neutral	
8	2.77	13.37	3.66	9.71	56.00	-42.63	QP	neutral	
9	9.21	10.43	0.64	9.79	50.00	-39.57	Average	neutral	
10	9.21	16.44	6.65	9.79	60.00	-43.56	QP	neutral	
11	19.74	16.48	6.61	9.87	50.00	-33.52	Average	neutral	
12	19.74	21.96	12.09	9.87	60.00	-38.04	QP	neutral	