15. Antenna Requirements

15.1. Applicable Requirements

Please refer to FCC §15.203

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

Please refer to FCC §15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

15.2. Result

The antenna used for this product is Sheet Metal antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is 0.48 dBi

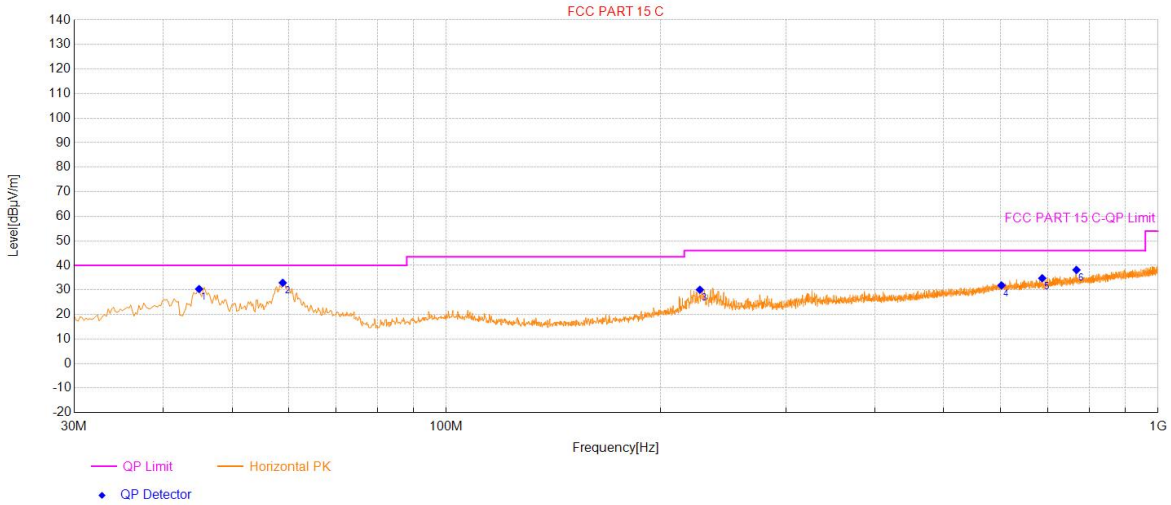
APPENDIX A – Radiated Emission Below 1GHz Test Data

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2412	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC PART 15 C			

Start of Test:2025-04-11 14:26:05

Test Graph



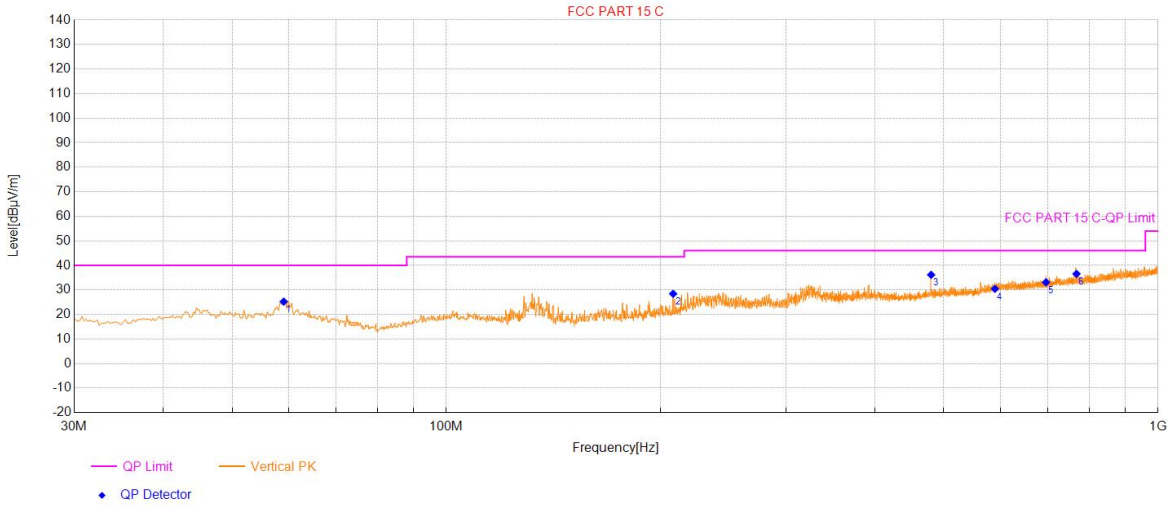
Final Data List									
NO.	Frequency (MHz)	Factor (dB/m)	QP Value (dBµV/m)	QP Limit (dBµV/m)	QP Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	44.941	20.98	30.39	40.00	9.61	100	209	Horizontal	PASS
2	58.912	20.43	32.92	40.00	7.08	100	226	Horizontal	PASS
3	227.143	21.33	30.09	46.00	15.91	100	140	Horizontal	PASS
4	602.609	30.51	31.87	46.00	14.13	100	341	Horizontal	PASS
5	687.598	31.05	34.77	46.00	11.23	100	68	Horizontal	PASS
6	768.124	32.81	38.16	46.00	7.84	100	166	Horizontal	PASS

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2412	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC PART 15 C			

Start of Test:2025-04-11 14:27:03

Test Graph



Final Data List									
NO.	Frequency (MHz)	Factor (dB/m)	QP Value (dBµV/m)	QP Limit (dBµV/m)	QP Margin (dB)	Height (cm)	Angle (°)	Polarity	Verdict
1	59.106	20.41	25.25	40.00	14.75	100	3	Vertical	PASS
2	208.322	20.76	28.44	43.50	15.06	100	136	Vertical	PASS
3	479.976	27.35	36.17	46.00	9.83	100	117	Vertical	PASS
4	589.996	30.11	30.46	46.00	15.54	100	16	Vertical	PASS
5	695.941	31.15	33.12	46.00	12.88	100	202	Vertical	PASS
6	768.124	32.81	36.55	46.00	9.45	100	23	Vertical	PASS

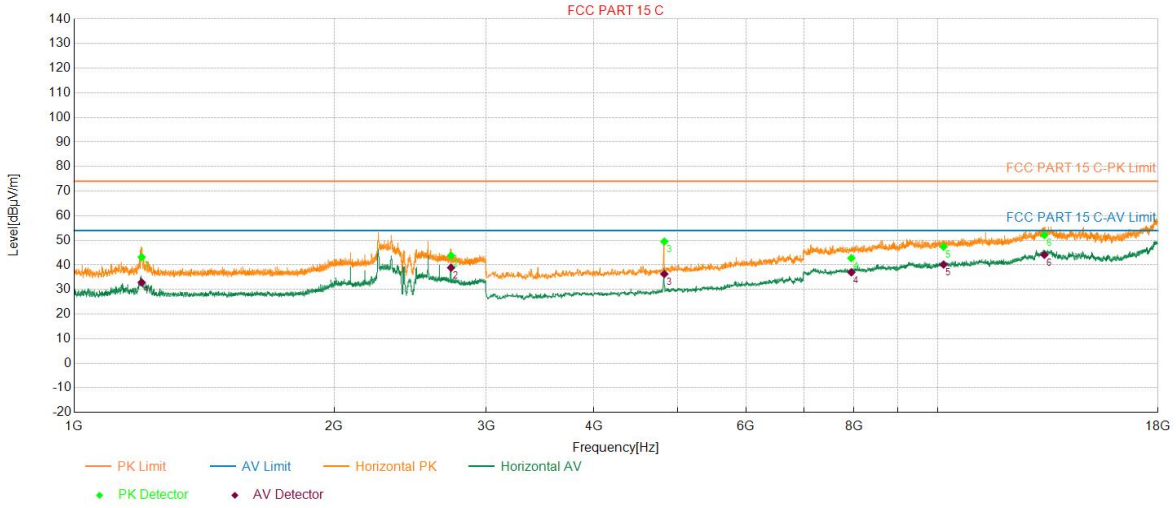
APPENDIX B – Radiated Emission Above 1GHz Test Data

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2412	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:32		
Test Standard: FCC PART 15 C			

Start of Test:2025-04-11 10:14:30

Test Graph



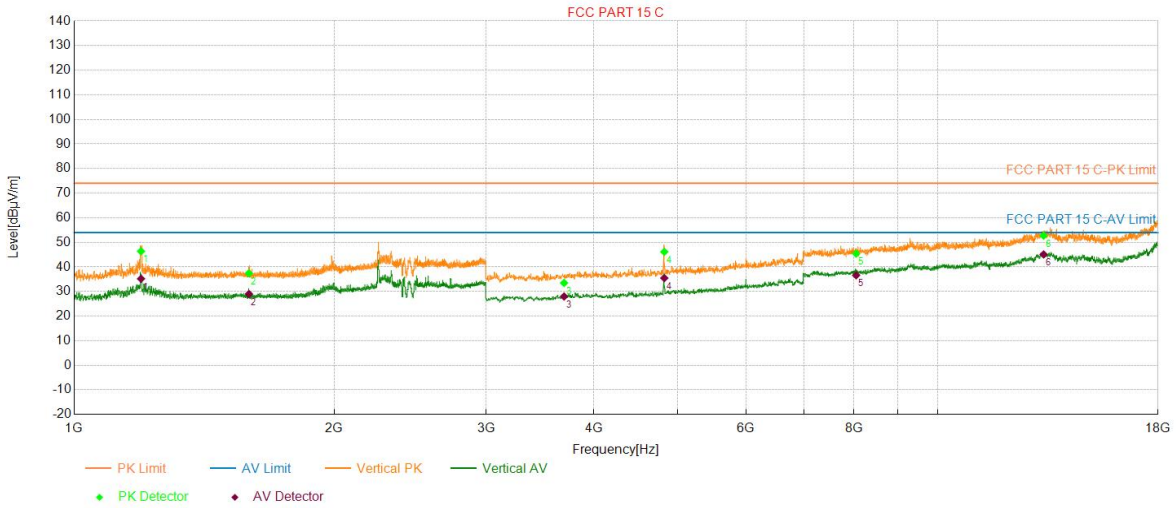
PK Final Data List											
NO.	Frequency (MHz)	Factor (dB/m)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1197.239	-0.69	43.18	74.00	30.82	32.87	54.00	21.13	150	204	Horizontal
2	2732.346	5.82	43.79	74.00	30.21	38.87	54.00	15.13	150	247	Horizontal
3	4824.365	-5.27	49.52	74.00	24.48	36.32	54.00	17.68	150	51	Horizontal
4	7944.989	5.24	42.76	74.00	31.24	36.97	54.00	17.03	150	0	Horizontal
5	10159.432	9.80	47.40	74.00	26.60	40.17	54.00	13.83	150	320	Horizontal
6	13292.058	17.12	52.13	74.00	21.87	44.10	54.00	9.90	150	267	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2412	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:32		
Test Standard: FCC PART 15 C			

Start of Test:2025-04-11 10:16:01

Test Graph



PK Final Data List

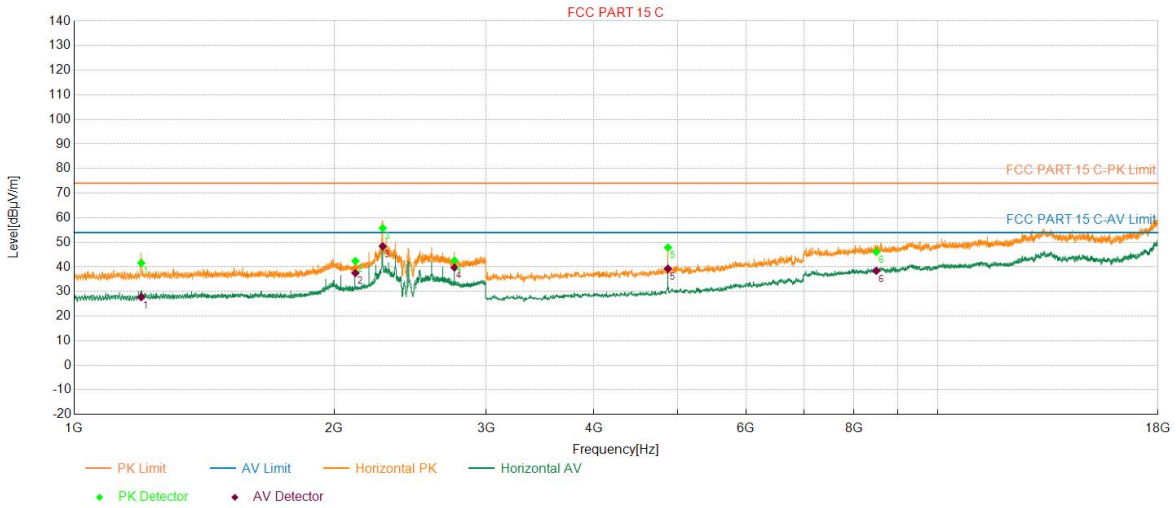
NO.	Frequency (MHz)	Factor (dB/m)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1195.239	-0.70	46.37	74.00	27.63	35.19	54.00	18.81	150	78	Vertical
2	1593.719	0.34	37.40	74.00	36.60	28.99	54.00	25.01	150	275	Vertical
3	3693.139	-8.74	33.51	74.00	40.49	27.99	54.00	26.01	150	282	Vertical
4	4824.365	-5.27	46.16	74.00	27.84	35.47	54.00	18.53	150	114	Vertical
5	8047.009	5.58	45.40	74.00	28.60	36.60	54.00	17.40	150	145	Vertical
6	13268.054	16.98	52.71	74.00	21.29	45.09	54.00	8.91	150	344	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2437	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:32		
Test Standard: FCC PART 15 C			

Start of Test:2025-04-17 14:52:31

Test Graph



PK Final Data List

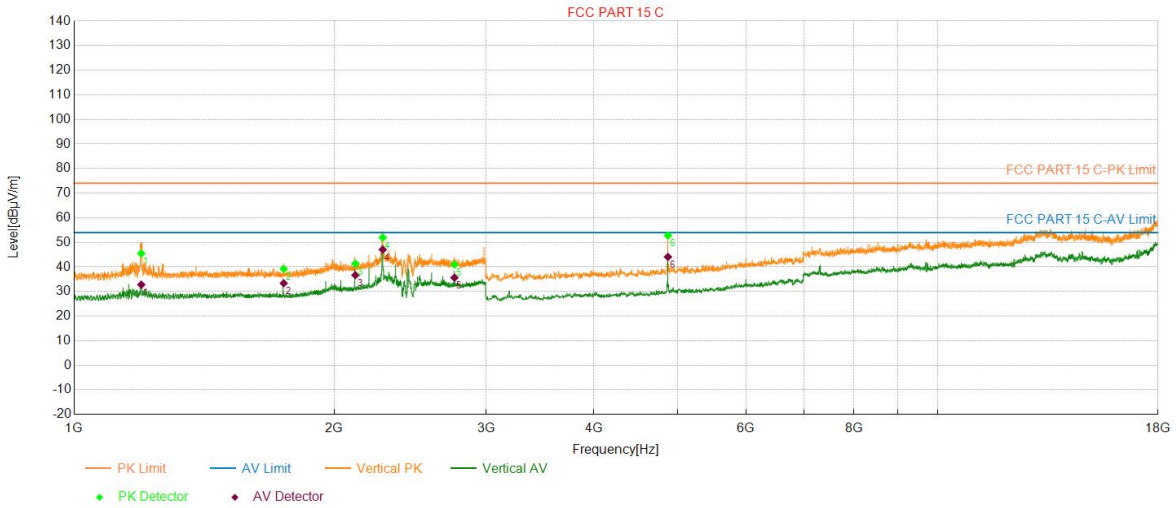
NO.	Frequency (MHz)	Factor (dB/m)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1196.039	-0.69	41.57	74.00	32.43	27.70	54.00	26.30	150	160	Horizontal
2	2117.023	3.59	42.41	74.00	31.59	37.49	54.00	16.51	150	28	Horizontal
3	2277.055	4.37	55.78	74.00	18.22	48.39	54.00	5.61	150	59	Horizontal
4	2757.151	5.78	42.64	74.00	31.36	39.76	54.00	14.24	150	78	Horizontal
5	4872.374	-4.82	47.88	74.00	26.12	39.28	54.00	14.72	150	88	Horizontal
6	8491.098	7.02	46.09	74.00	27.91	38.43	54.00	15.57	150	88	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2437	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:32		
Test Standard: FCC PART 15 C			

Start of Test:2025-04-17 14:54:13

Test Graph



PK Final Data List

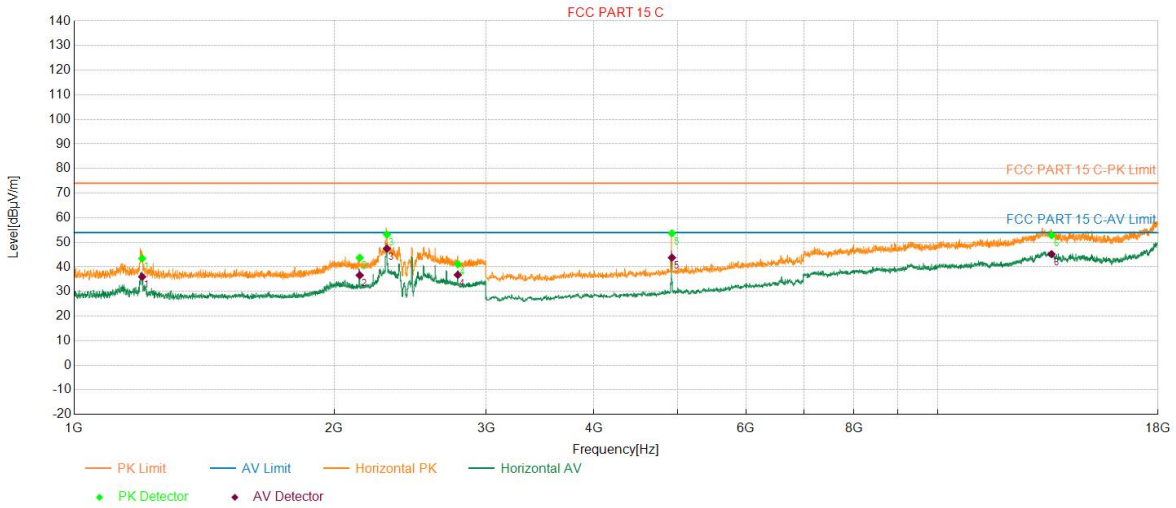
NO.	Frequency (MHz)	Factor (dB/m)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1196.039	-0.69	45.50	74.00	28.50	32.80	54.00	21.20	150	360	Vertical
2	1748.550	0.35	39.21	74.00	34.79	33.35	54.00	20.65	150	348	Vertical
3	2117.023	3.59	41.32	74.00	32.68	36.66	54.00	17.34	150	313	Vertical
4	2277.055	4.37	51.93	74.00	22.07	47.04	54.00	6.96	150	270	Vertical
5	2757.151	5.78	40.97	74.00	33.03	35.64	54.00	18.36	150	313	Vertical
6	4872.374	-4.82	52.80	74.00	21.20	44.08	54.00	9.92	150	292	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2462	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:32		
Test Standard: FCC PART 15 C			

Start of Test:2025-04-11 10:28:15

Test Graph



PK Final Data List

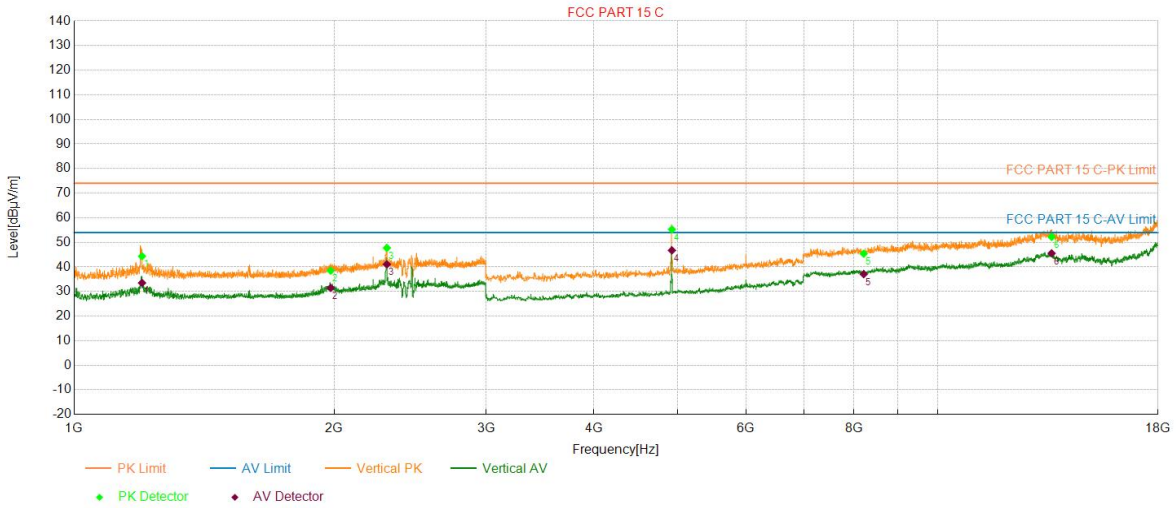
NO.	Frequency (MHz)	Factor (dB/m)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1198.840	-0.68	43.43	74.00	30.57	35.98	54.00	18.02	150	193	Horizontal
2	2141.828	3.79	43.73	74.00	30.27	36.60	54.00	17.40	150	140	Horizontal
3	2302.260	4.36	53.24	74.00	20.76	47.45	54.00	6.55	150	131	Horizontal
4	2781.956	5.75	41.08	74.00	32.92	36.77	54.00	17.23	150	273	Horizontal
5	4923.385	-4.46	53.68	74.00	20.32	43.76	54.00	10.24	150	43	Horizontal
6	13550.110	17.54	52.93	74.00	21.07	45.22	54.00	8.78	150	353	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2462	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:32		
Test Standard: FCC PART 15 C			

Start of Test:2025-04-11 10:29:53

Test Graph



PK Final Data List

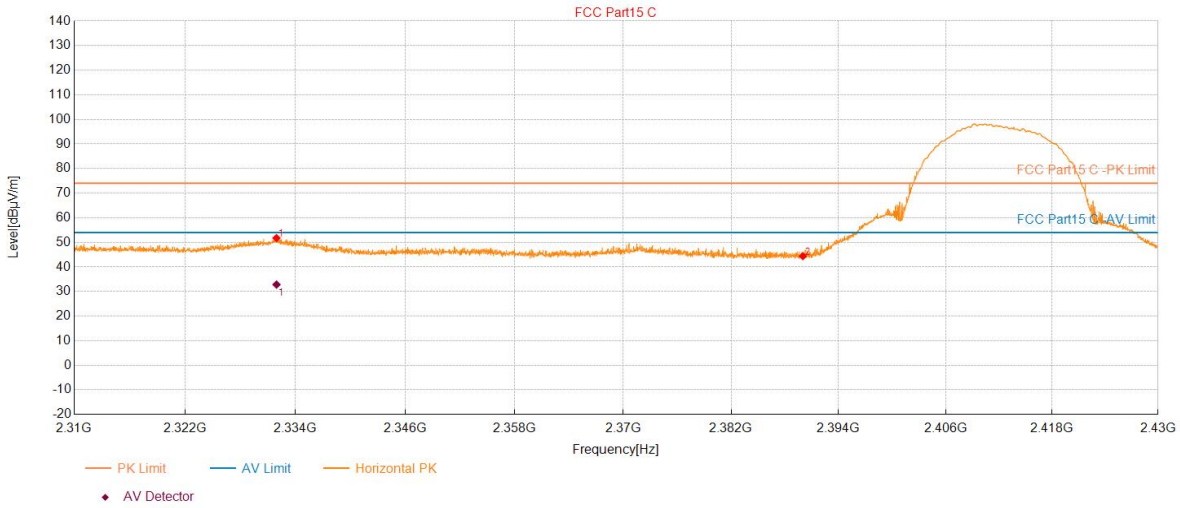
NO.	Frequency (MHz)	Factor (dB/m)	PK Value (dBµV/m)	PK Limit (dBµV/m)	PK Margin (dB)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	1198.440	-0.69	44.36	74.00	29.64	33.51	54.00	20.49	150	204	Vertical
2	1981.796	2.46	38.49	74.00	35.51	31.46	54.00	22.54	150	79	Vertical
3	2302.260	4.36	47.74	74.00	26.26	41.05	54.00	12.95	150	79	Vertical
4	4923.385	-4.46	55.25	74.00	18.75	46.73	54.00	7.27	150	102	Vertical
5	8212.042	5.65	45.39	74.00	28.61	37.07	54.00	16.93	150	31	Vertical
6	13553.111	17.49	52.21	74.00	21.79	45.54	54.00	8.46	150	1	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2412	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:32		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 10:19:05

Test Graph



Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2331.940	51.74	74.00	22.26	150	360	Horizontal
2	2390.008	44.39	74.00	29.61	150	157	Horizontal

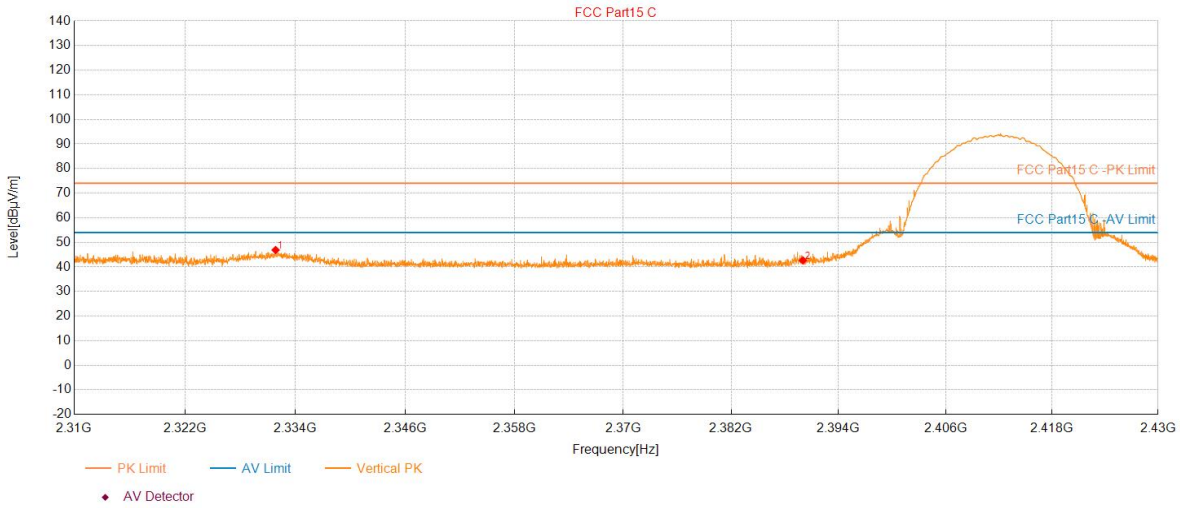
PK Final Data List								
NO.	Frequency (MHz)	Factor (dB/m)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2331.941	3.95	32.83	54.00	21.17	138.4	352	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2412	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:32		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 10:19:51

Test Graph



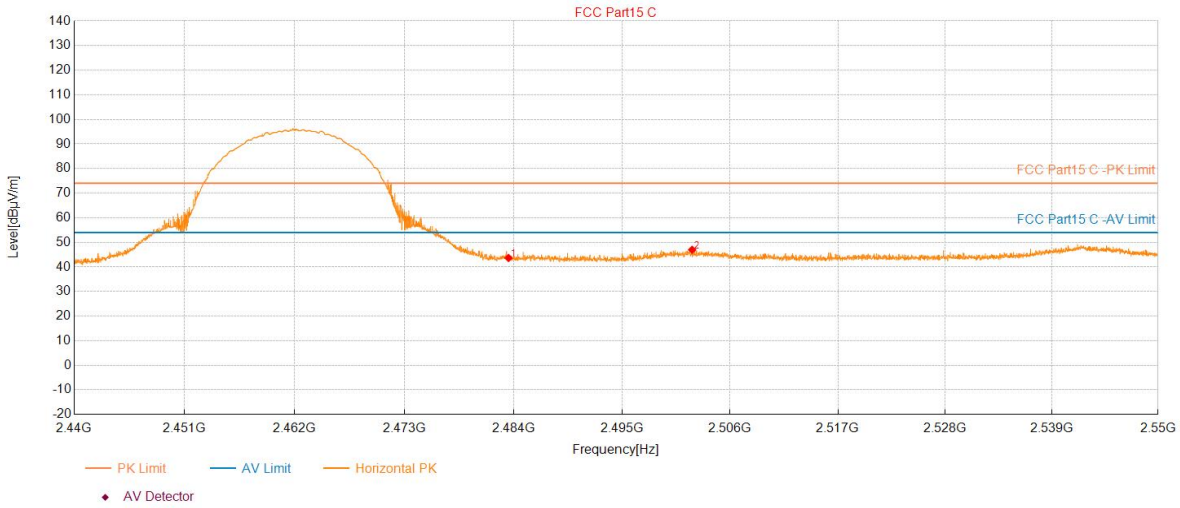
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2331.844	46.88	74.00	27.12	150	88	Vertical
2	2390.008	42.68	74.00	31.32	150	88	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2462	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:32		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 10:34:22

Test Graph



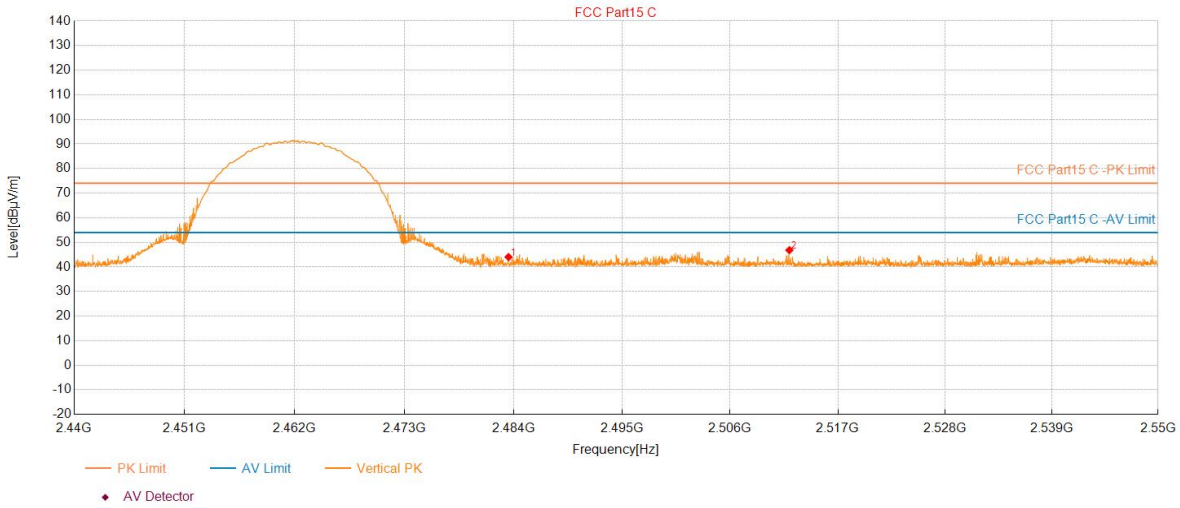
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.503	43.64	74.00	30.36	150	360	Horizontal
2	2502.118	46.99	74.00	27.01	150	322	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11B_2462	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:32		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 10:35:09

Test Graph



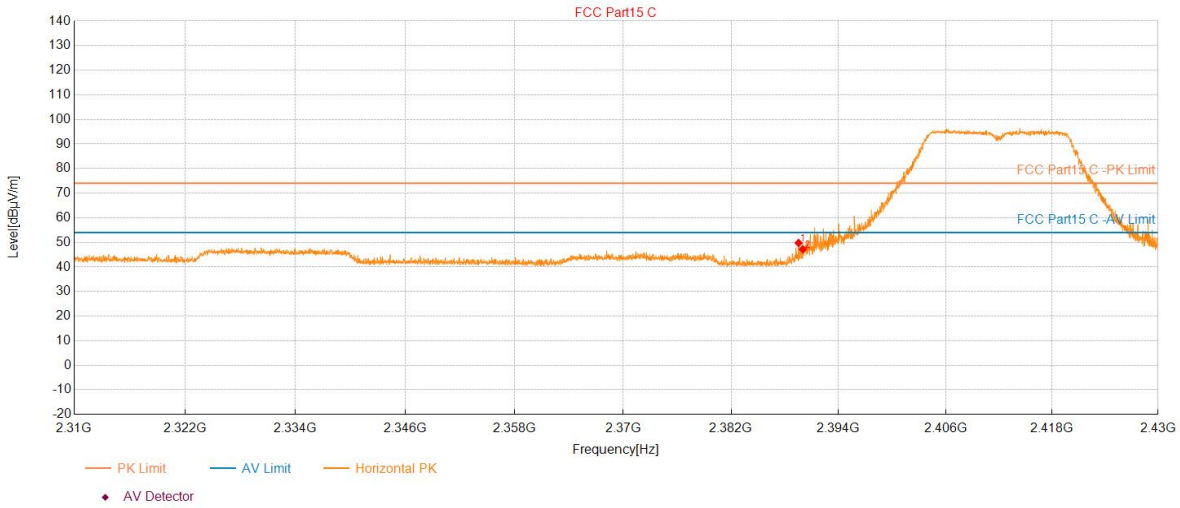
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.503	44.03	74.00	29.97	150	83	Vertical
2	2512.042	46.82	74.00	27.18	150	93	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11G_2412	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 10:41:22

Test Graph



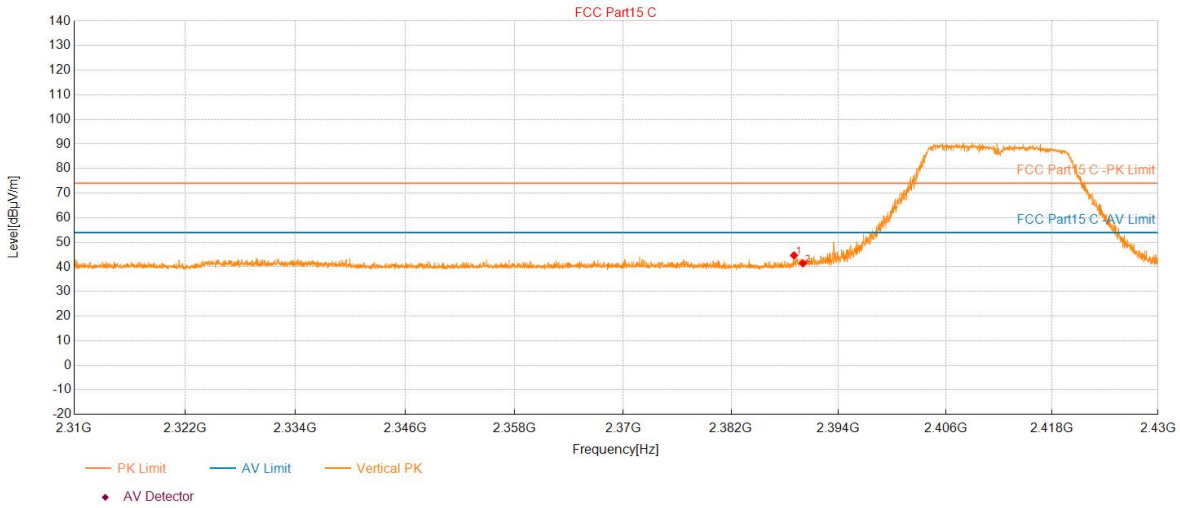
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2389.528	49.76	74.00	24.24	150	131	Horizontal
2	2390.008	47.18	74.00	26.82	150	78	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11G_2412	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 10:42:09

Test Graph



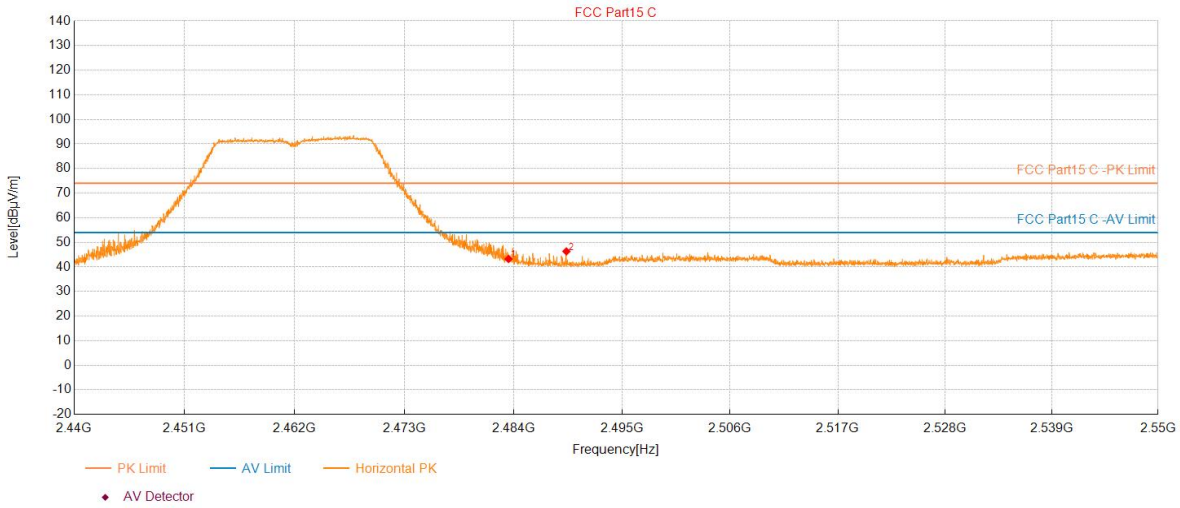
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2389.024	44.68	74.00	29.32	150	105	Vertical
2	2390.008	41.43	74.00	32.57	150	298	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11G_2462	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 10:52:15

Test Graph



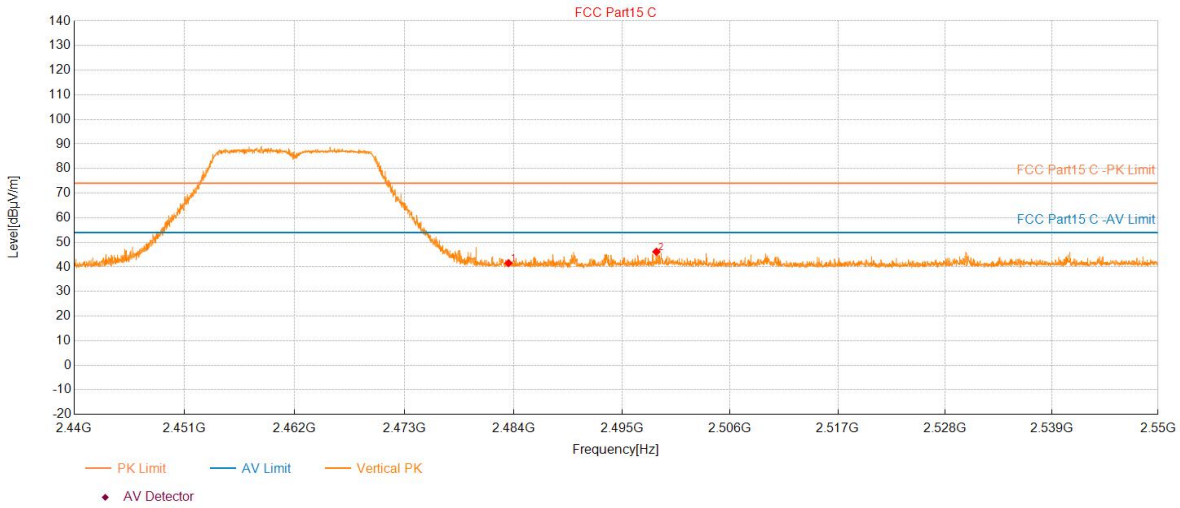
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.503	43.24	74.00	30.76	150	342	Horizontal
2	2489.356	46.32	74.00	27.68	150	353	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11G_2462	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 10:53:02

Test Graph



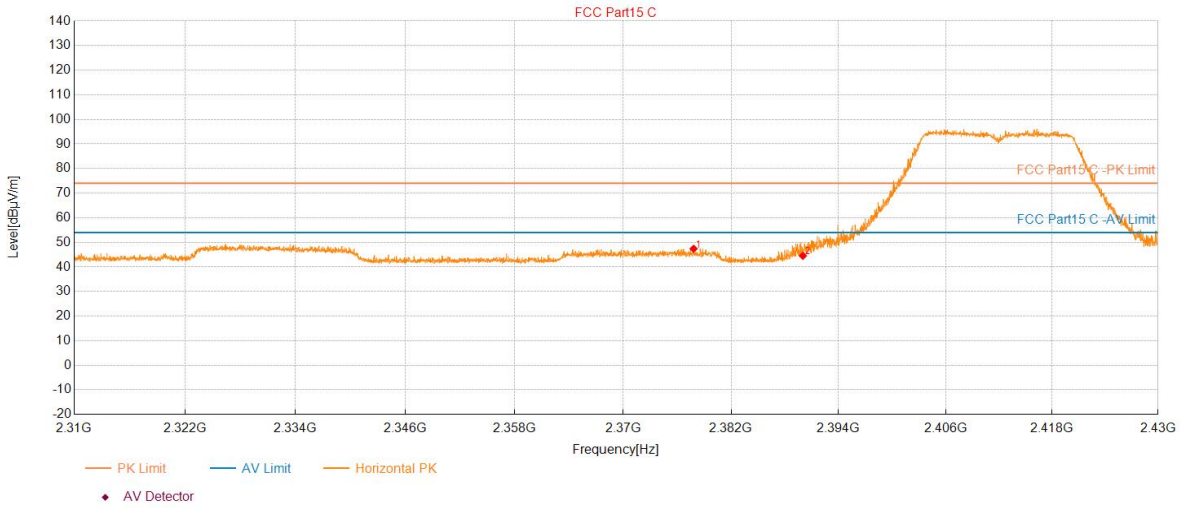
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.503	41.56	74.00	32.44	150	306	Vertical
2	2498.488	46.17	74.00	27.83	150	93	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11N20_2412	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 11:06:10

Test Graph



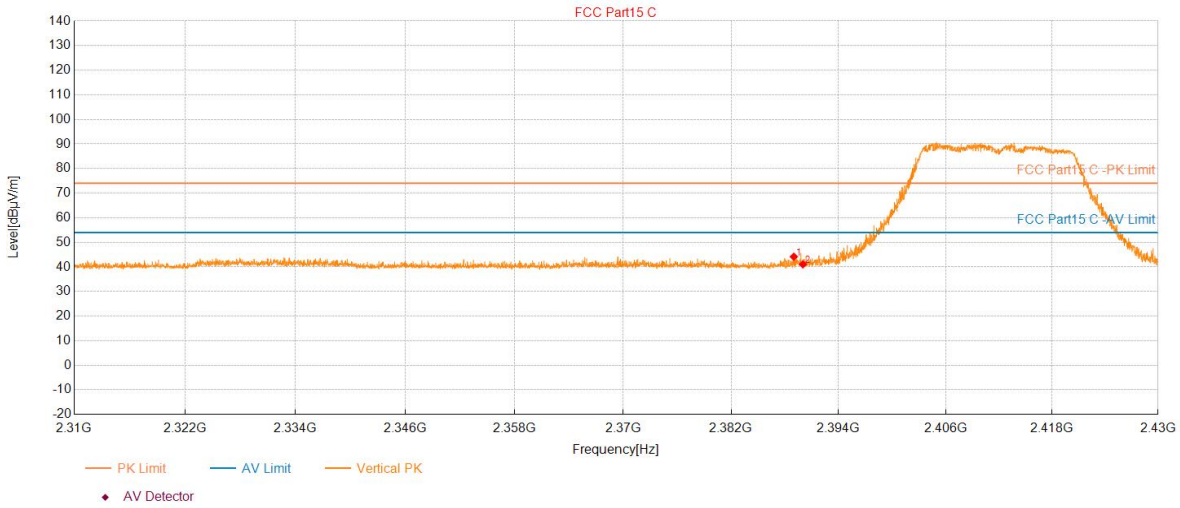
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2377.838	47.40	74.00	26.60	150	132	Horizontal
2	2390.008	44.53	74.00	29.47	150	89	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11N20_2412	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 11:06:56

Test Graph



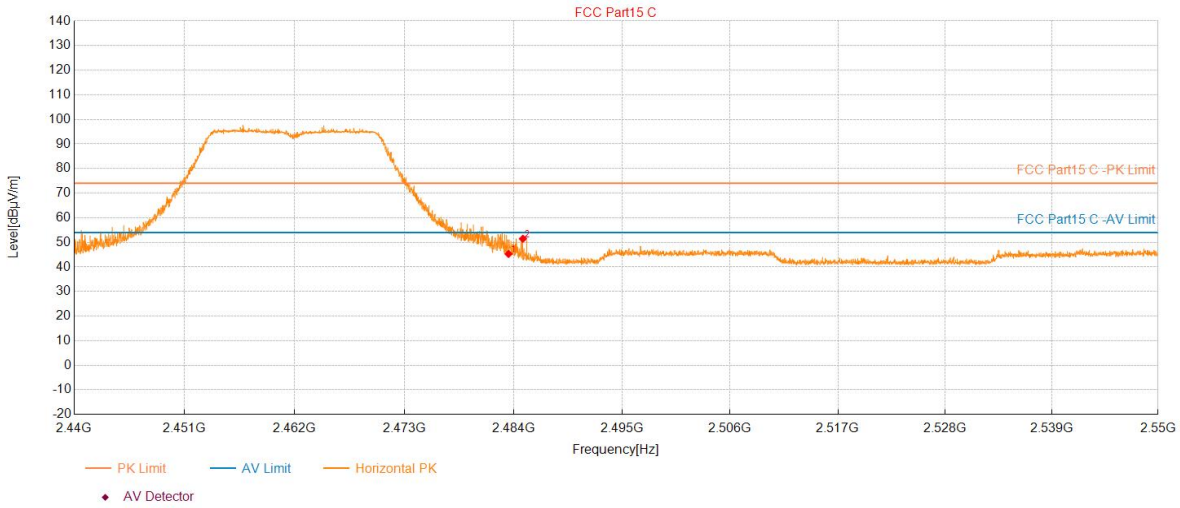
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2389.000	44.15	74.00	29.85	150	106	Vertical
2	2390.008	41.04	74.00	32.96	150	80	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11N20_2462	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 11:12:44

Test Graph



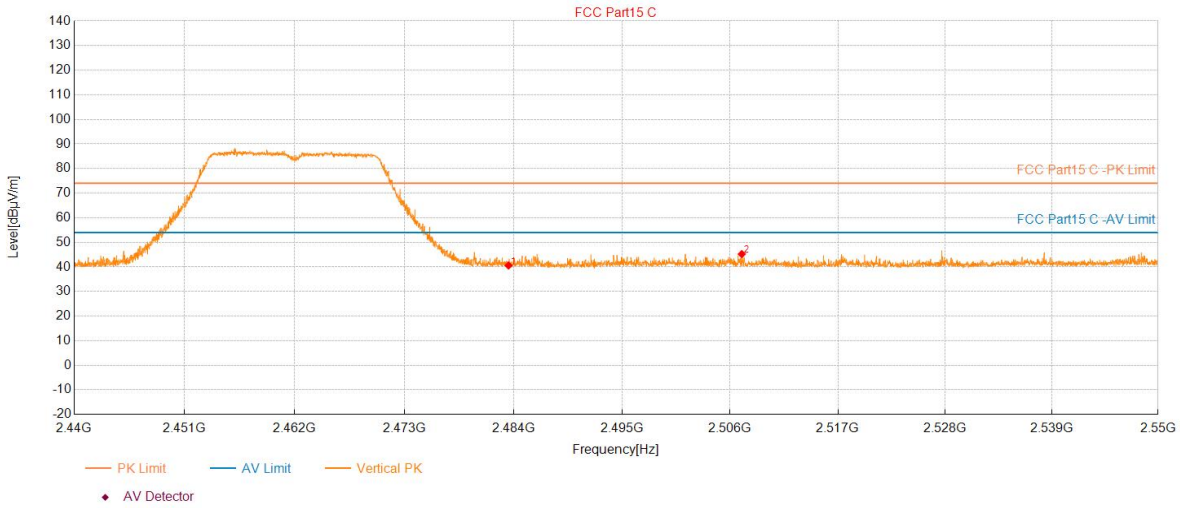
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.503	45.30	74.00	28.70	150	324	Horizontal
2	2484.955	51.47	74.00	22.53	150	286	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11N20_2462	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 11:13:32

Test Graph



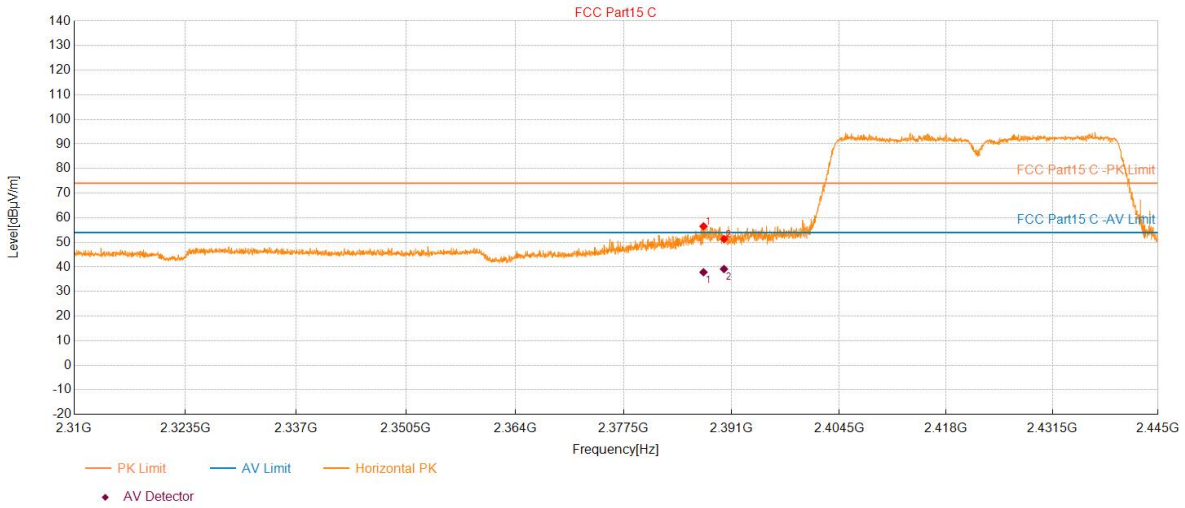
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.503	40.58	74.00	33.42	150	110	Vertical
2	2507.179	45.24	74.00	28.76	150	100	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11N40_2422	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 11:23:28

Test Graph



Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2387.451	56.52	74.00	17.48	150	129	Horizontal
2	2390.017	51.34	74.00	22.66	150	121	Horizontal

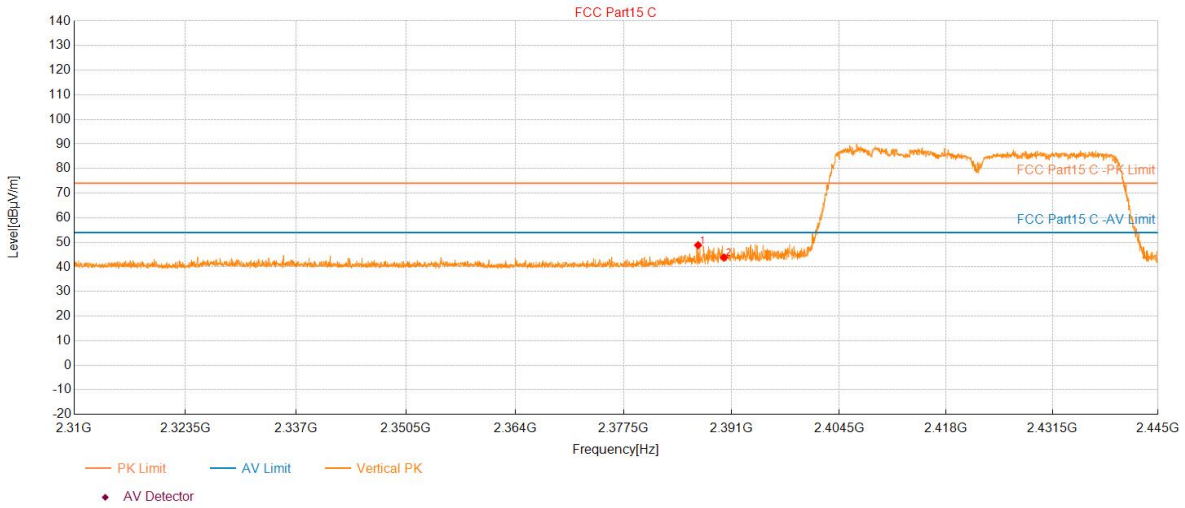
PK Final Data List								
NO.	Frequency (MHz)	Factor (dB/m)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2387.452	3.92	37.85	54.00	16.15	129.8	133	Horizontal
2	2390.017	3.91	39.15	54.00	14.85	150	121	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11N40_2422	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 11:24:18

Test Graph



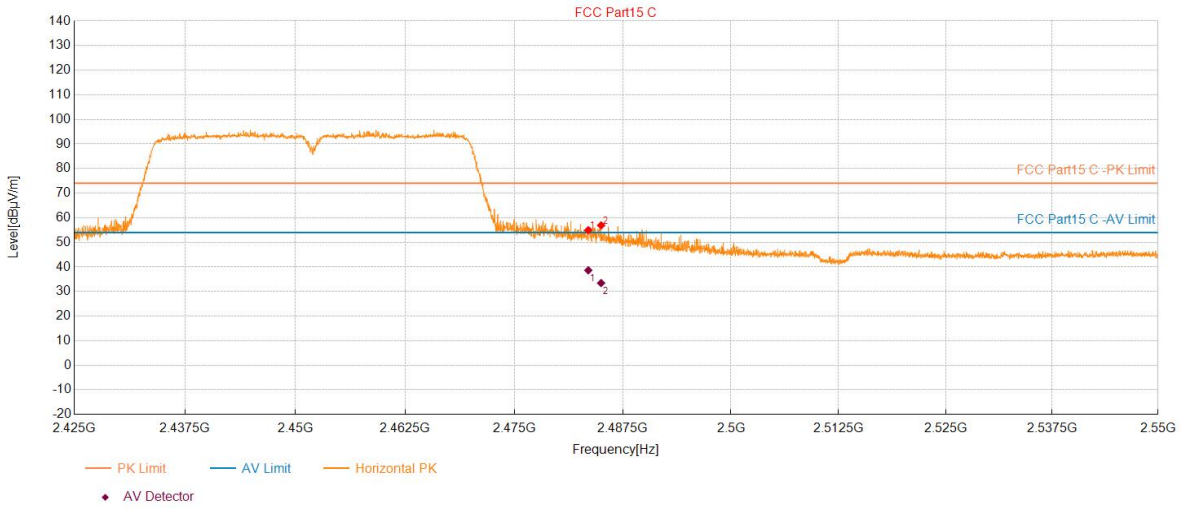
Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2386.776	48.84	74.00	25.16	150	81	Vertical
2	2390.017	43.84	74.00	30.16	150	81	Vertical

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11N40_2462	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

Start of Test:2025-04-11 11:41:58

Test Graph



Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.512	54.95	74.00	19.05	150	294	Horizontal
2	2484.987	56.90	74.00	17.10	150	332	Horizontal

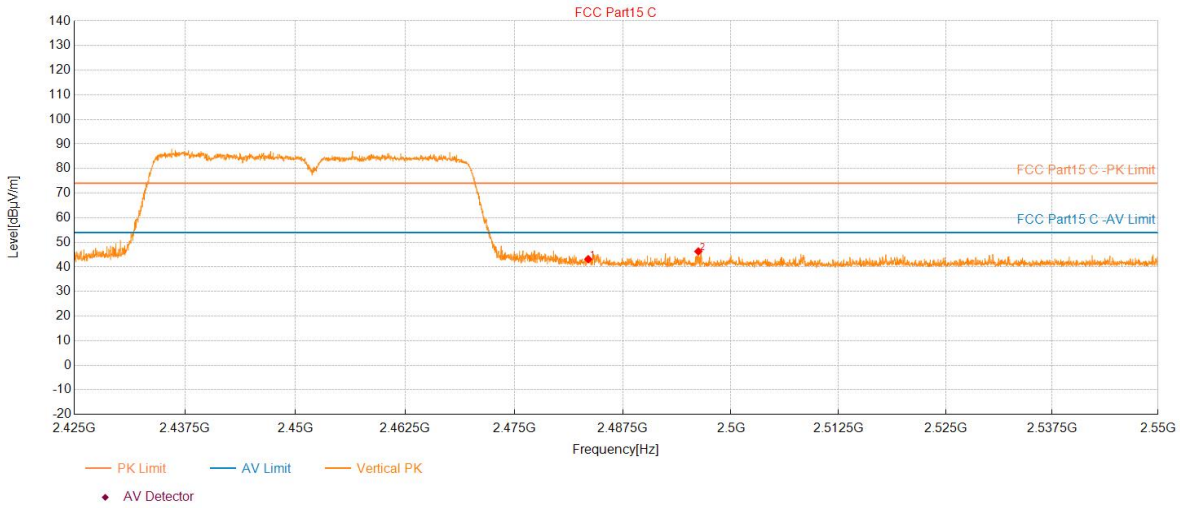
PK Final Data List								
NO.	Frequency (MHz)	Factor (dB/m)	AV Value (dBµV/m)	AV Limit (dBµV/m)	AV Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.512	4.48	38.63	54.00	15.37	150	294	Horizontal
2	2484.988	4.49	33.45	54.00	20.55	108.9	312	Horizontal

Test Report

Project Information			
Customer:			
EUT:	IEEE 802.11b/g/n 2T2R USB Wi-Fi Module		
Model:	EL.RT8192FC-WFT	SN:	
Mode:	11N40_2462	Voltage:	DC 3.3V
Environment:	Temp: 25℃; Humi:60%	Engineer:	
Remark:	power set:30		
Test Standard: FCC Part15 C			

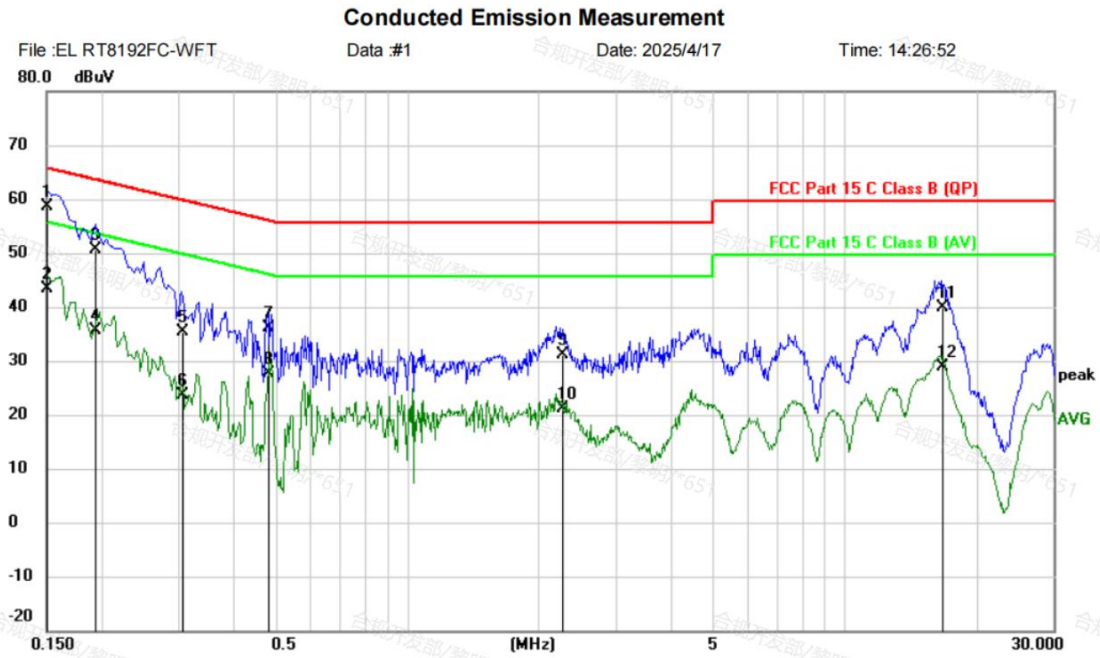
Start of Test:2025-04-11 11:42:50

Test Graph



Suspected Data List							
NO.	Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Angle (°)	Polarity
1	2483.512	43.15	74.00	30.85	150	96	Vertical
2	2496.214	46.31	74.00	27.69	150	96	Vertical

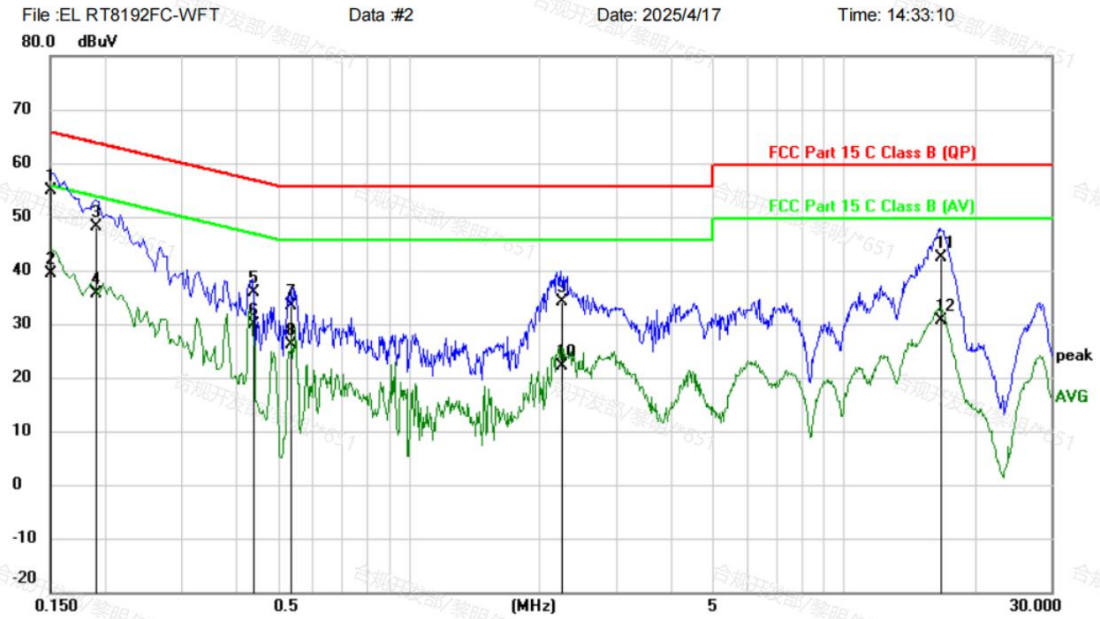
APPENDIX C – AC Power Line Conducted Emission Test Data



Site
Phase: *L1*
Temperature: 26
Limit: FCC Part 15 C Class B (QP)
Power: AC 120V/60Hz
Humidity: 60 %
EUT:
M/N: EL.RT8192FC-WFT
Mode: 2.4G
Note: IEEE 802.11b/g/n 2T2R USB Wi-Fi Module

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1501	49.21	9.53	58.74	65.99	-7.25	QP	
2		0.1501	33.90	9.53	43.43	55.99	-12.56	AVG	
3		0.1928	41.08	9.55	50.63	63.92	-13.29	QP	
4		0.1928	26.20	9.55	35.75	53.92	-18.17	AVG	
5		0.3066	25.72	9.57	35.29	60.06	-24.77	QP	
6		0.3066	14.14	9.57	23.71	50.06	-26.35	AVG	
7		0.4822	26.50	9.60	36.10	56.30	-20.20	QP	
8		0.4822	17.96	9.60	27.56	46.30	-18.74	AVG	
9		2.2531	21.42	9.66	31.08	56.00	-24.92	QP	
10		2.2531	11.47	9.66	21.13	46.00	-24.87	AVG	
11		16.6868	29.65	10.12	39.77	60.00	-20.23	QP	
12		16.6868	18.71	10.12	28.83	50.00	-21.17	AVG	

Conducted Emission Measurement



Site
Limit: FCC Part 15 C Class B (QP)
EUT:
M/N: EL.RT8192FC-WFT
Mode: 2.4G
Note: IEEE 802.11b/g/n 2T2R USB Wi-Fi Module

Phase: *N*
Power: AC 120V/60Hz

Temperature: 26
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1505	45.46	9.54	55.00	65.97	-10.97	QP	
2		0.1505	29.82	9.54	39.36	55.97	-16.61	AVG	
3		0.1909	38.54	9.55	48.09	64.00	-15.91	QP	
4		0.1909	25.98	9.55	35.53	54.00	-18.47	AVG	
5		0.4392	26.35	9.60	35.95	57.08	-21.13	QP	
6		0.4392	20.25	9.60	29.85	47.08	-17.23	AVG	
7		0.5377	23.84	9.60	33.44	56.00	-22.56	QP	
8		0.5377	16.50	9.60	26.10	46.00	-19.90	AVG	
9		2.2437	24.41	9.66	34.07	56.00	-21.93	QP	
10		2.2437	12.50	9.66	22.16	46.00	-23.84	AVG	
11		16.6975	32.38	10.10	42.48	60.00	-17.52	QP	
12		16.6975	20.43	10.10	30.53	50.00	-19.47	AVG	

END OF REPORT