

Test Report No.50302724 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50302724 001AppendixD)

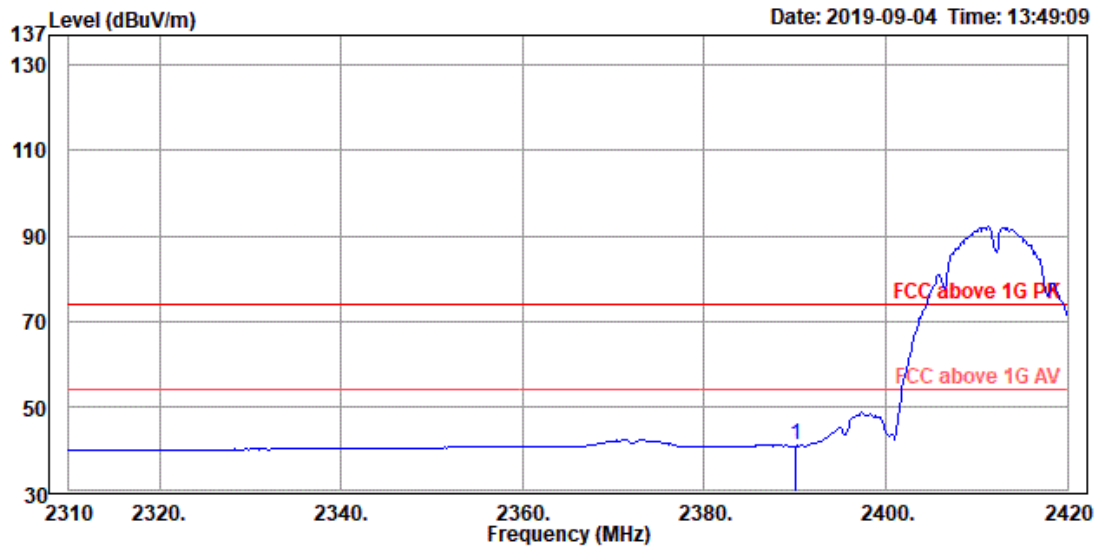
Contents

Spurious Emissions, Band Edges	2
Spurious Emissions, TX Mode, 9K-30M	26
Spurious Emissions, TX Mode, 1-18G.....	30
Spurious Emissions, TX Mode, 18-26.5G.....	48
Spurious Emissions, TX Mode, 30M-1G	66
Spurious Emissions, AC Mains	68

Spurious Emissions, Band Edges

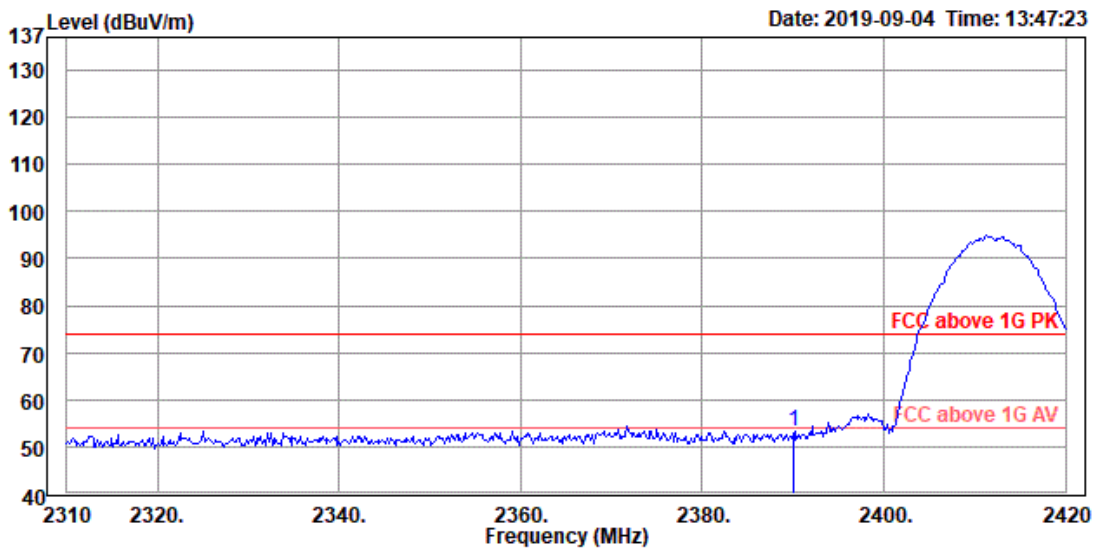


TUV Rheinland Taiwan Ltd.
11F., No.758, Sec. 4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



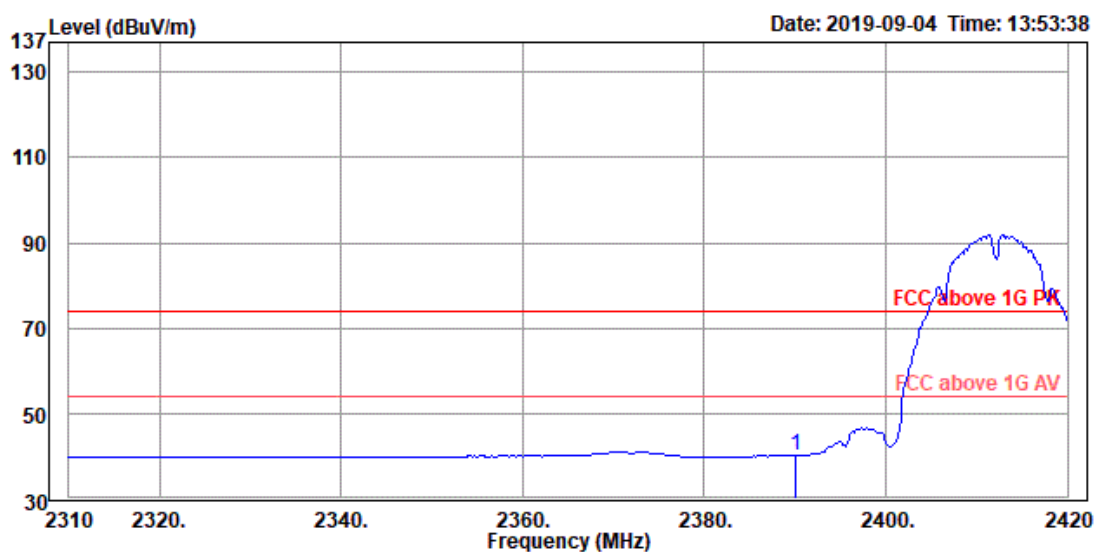
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 12
Mode : B-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2390.000	49.29	-8.32	40.97	54.00	-13.03	100	176	Average	



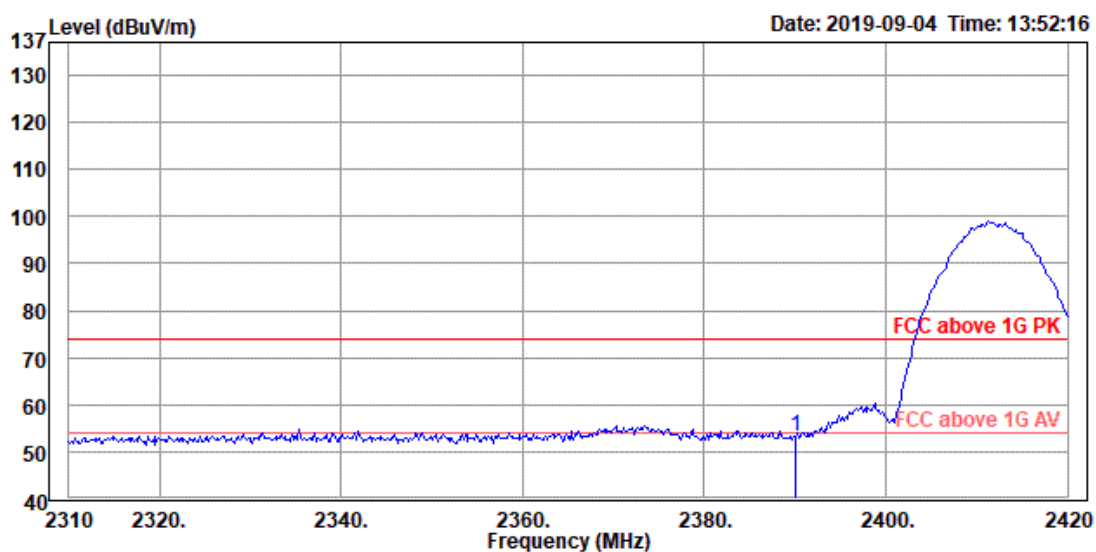
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 12
Mode : B-TX-2412
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 2390.000	61.60	-8.32	53.28	74.00	-20.72	100	176	Peak



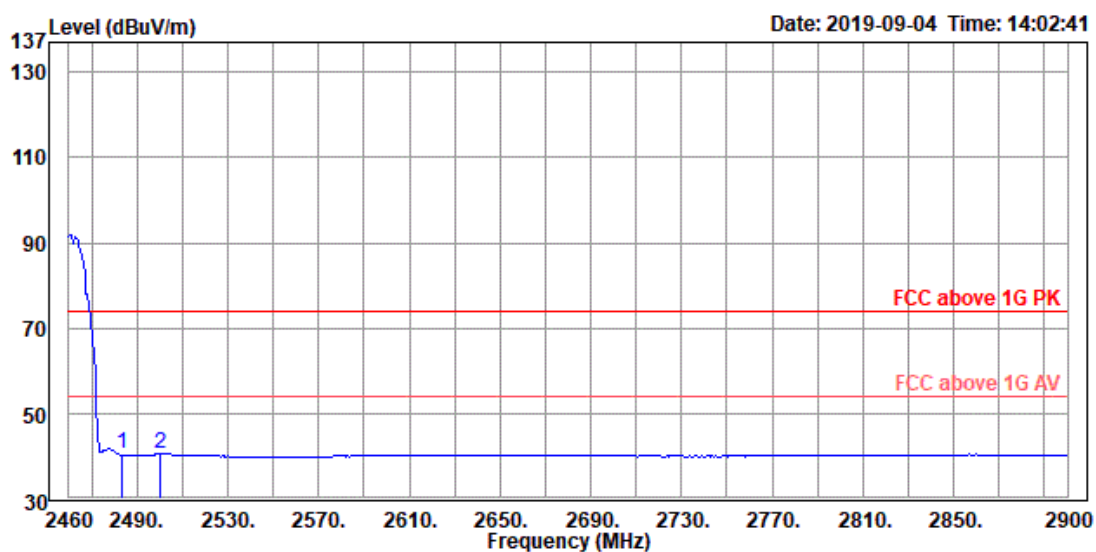
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 12
Mode : B-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2390.000	48.46	-8.32	40.14	54.00	-13.86	145	360	Average	



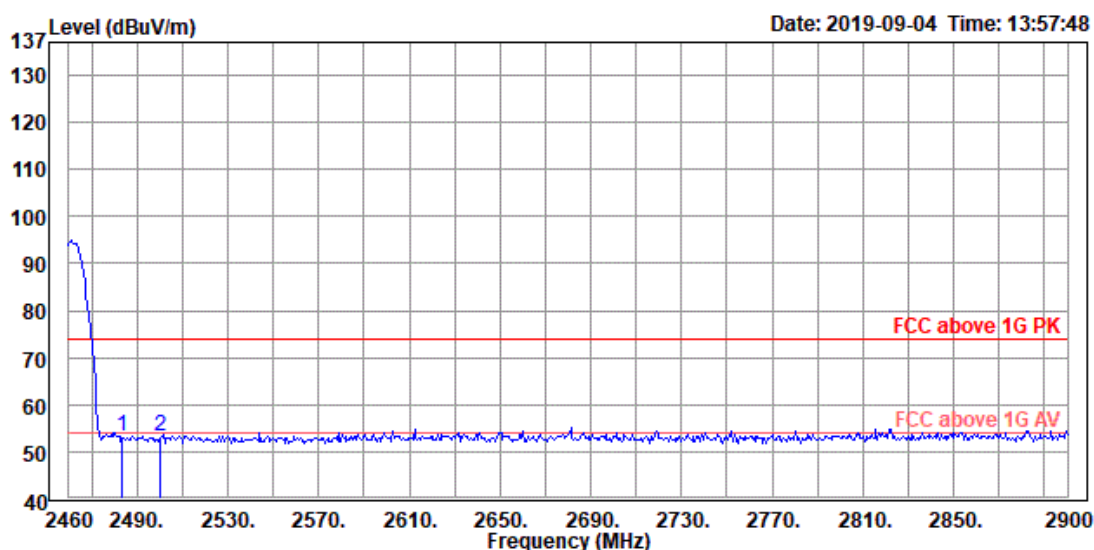
Site : 966A Chamber A
 Condition : FCC above 1G PK 3m Vertical
 Test Engineer: Kevin Kuo
 Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
 Model No. : RYWB116
 Test Rating : 5Vdc
 Tmp/Hum : 23°C / 48%
 Power Setting: 12
 Mode : B-TX-2412
 Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 2390.000	61.65	-8.32	53.33	74.00	-20.67	145	360	Peak



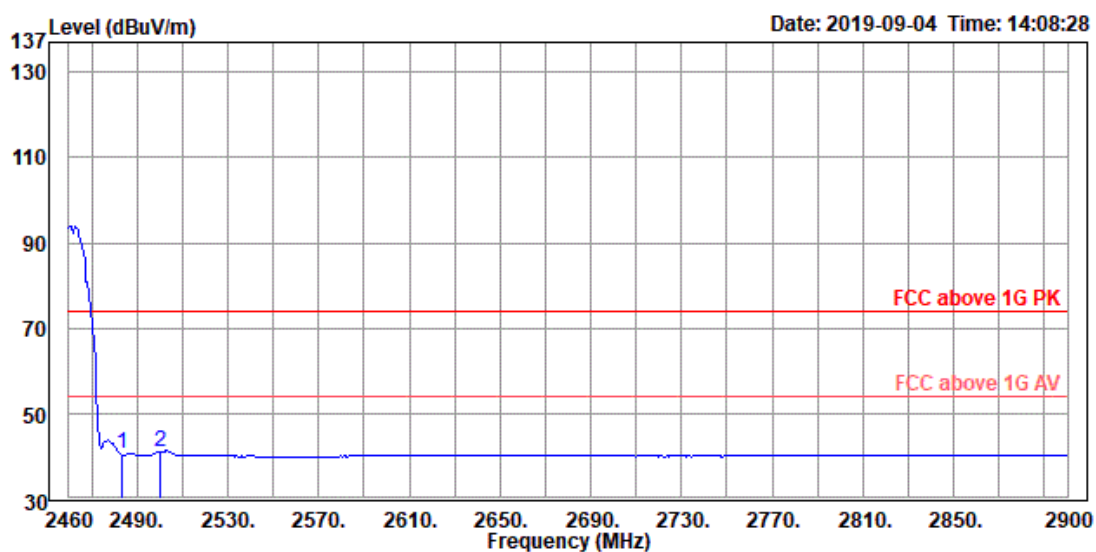
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 14
Mode : B-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	48.80	-8.07	40.73	54.00	-13.27	100	184	Average	
2	2500.000	48.69	-8.05	40.64	54.00	-13.36	100	184	Average	



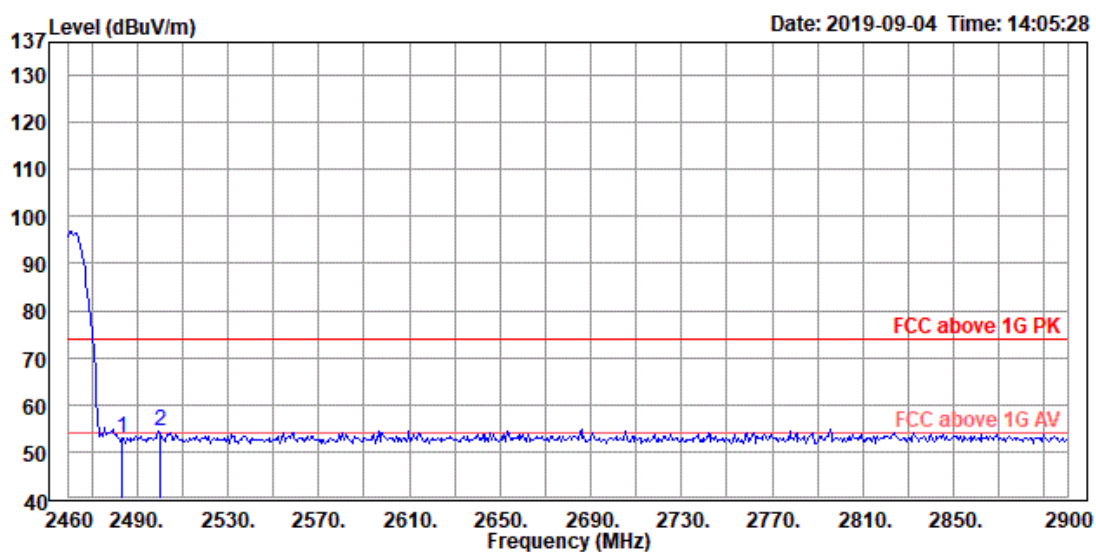
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 14
Mode : B-TX-2462
Memo : Y(Stand)

	Read			Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit			Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	61.46	-8.07	53.39	74.00	-20.61	100	184	Peak
2	2500.000	61.34	-8.05	53.29	74.00	-20.71	100	184	Peak



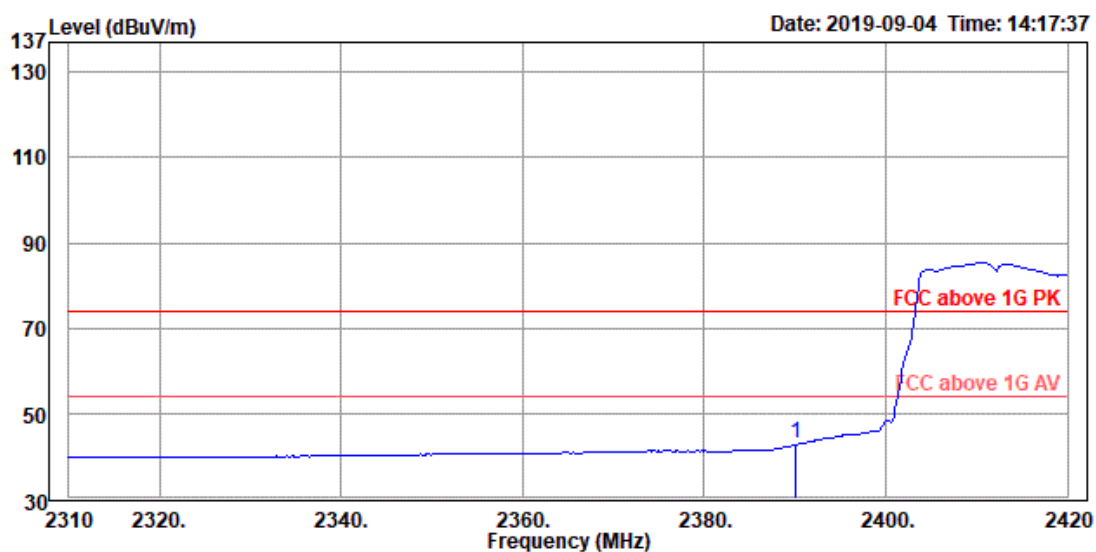
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 14
Mode : B-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	48.53	-8.07	40.46	54.00	-13.54	113	240	Average	
2	2500.000	49.17	-8.05	41.12	54.00	-12.88	113	240	Average	



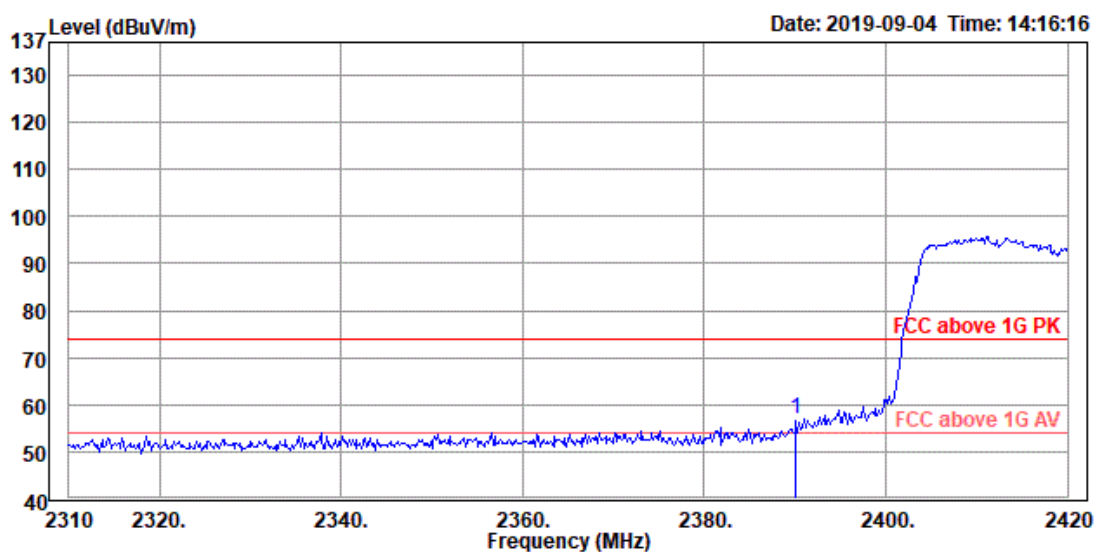
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 14
Mode : B-TX-2462
Memo : Y(Stand)

	Read			Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit			Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	60.84	-8.07	52.77	74.00	-21.23	113	240	Peak
2	2500.000	62.48	-8.05	54.43	74.00	-19.57	113	240	Peak



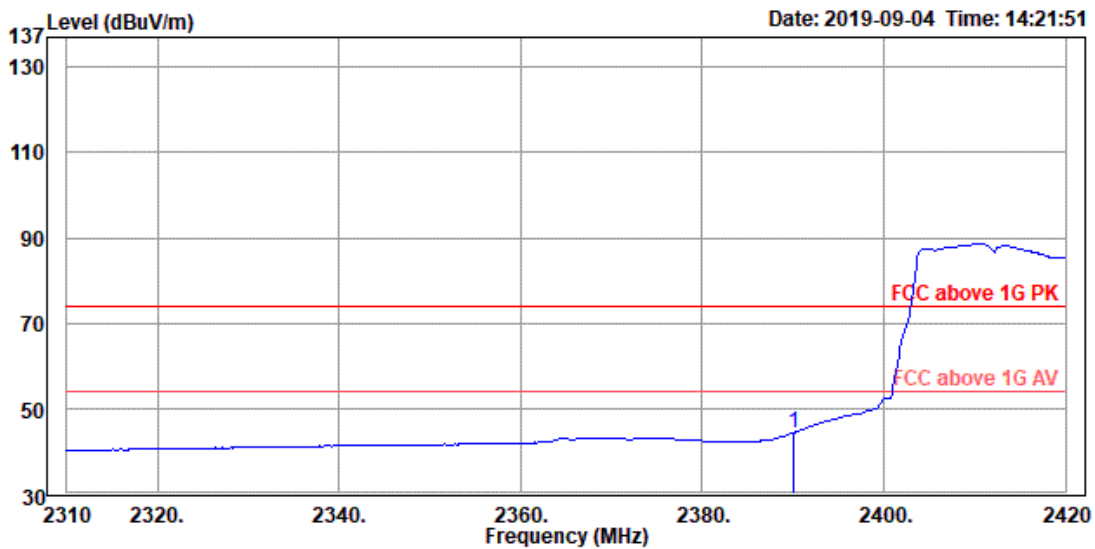
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2390.000	51.16	-8.32	42.84	54.00	-11.16	176	184	Average	



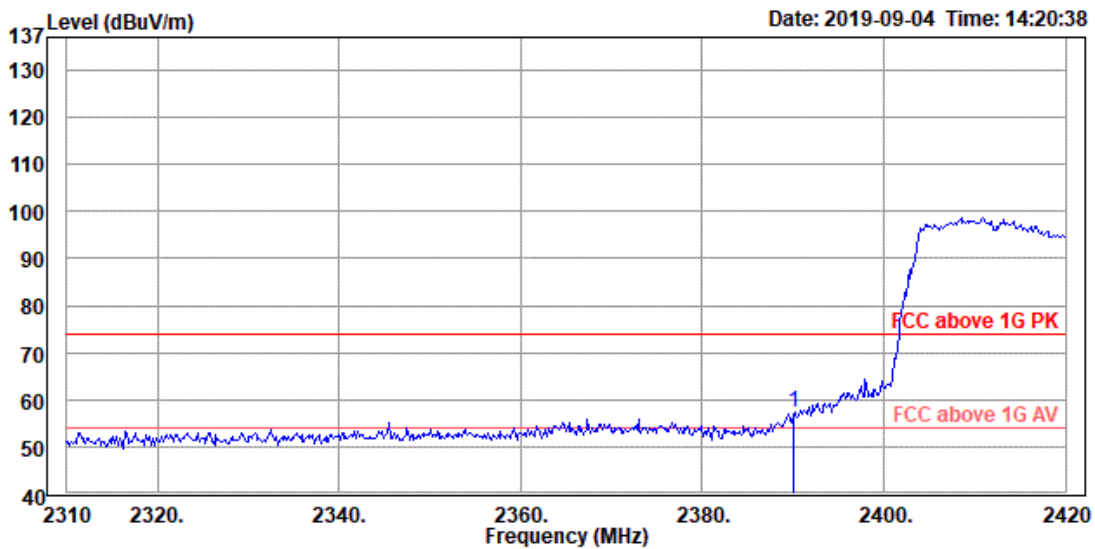
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2412
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 2390.000	65.21	-8.32	56.89	74.00	-17.11	176	184	Peak



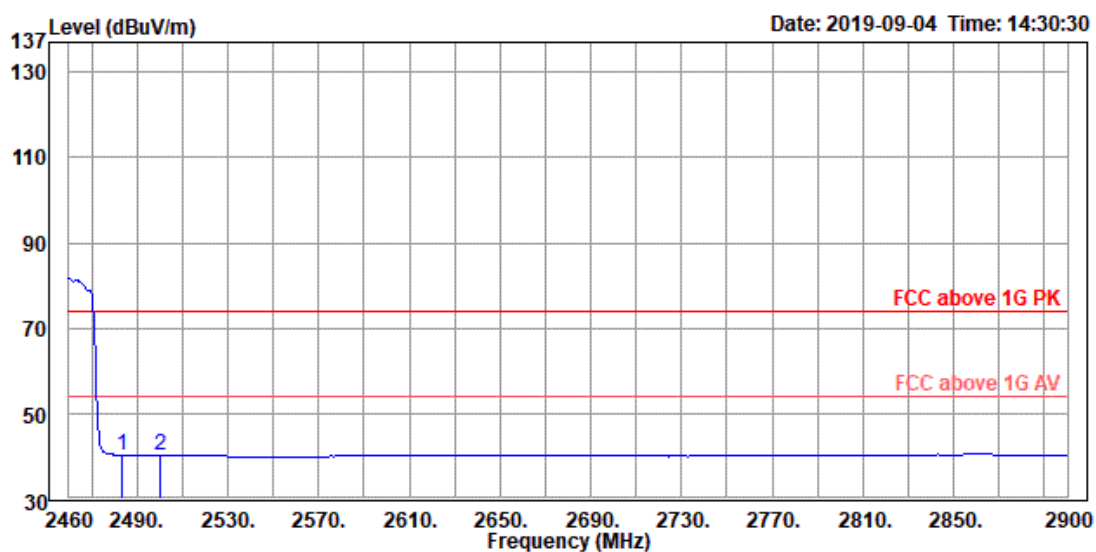
Site : 966A Chamber A
 Condition : FCC above 1G PK 3m vertical
 Test Engineer: Kevin Kuo
 Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
 Model No. : RYWB116
 Test Rating : 5Vdc
 Tmp/Hum : 23°C / 48%
 Power Setting: 18
 Mode : G-TX-2412
 Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2390.000	52.71	-8.32	44.39	54.00	-9.61	100	230	Average	



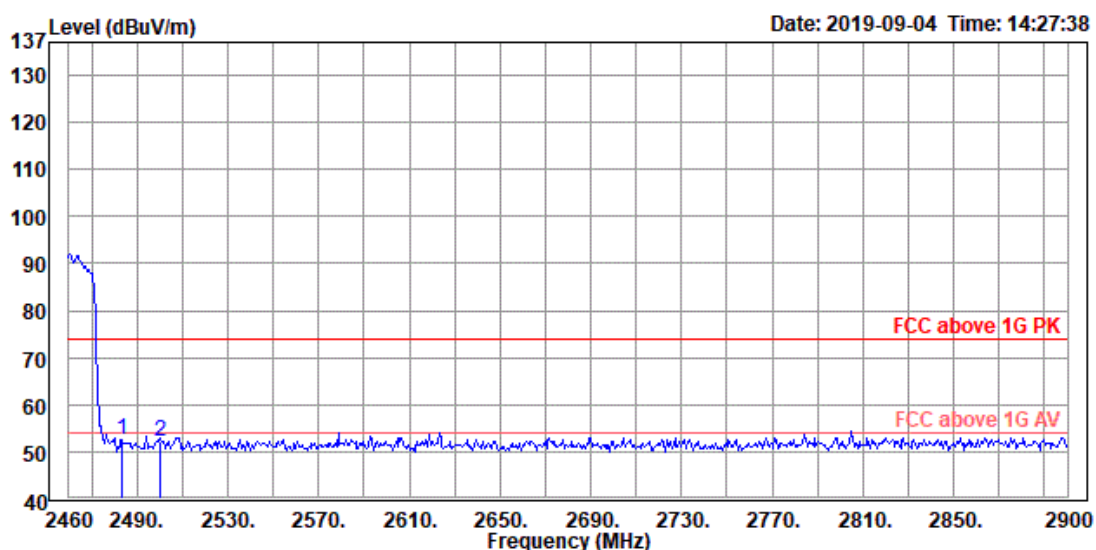
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2412
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 2390.000	65.52	-8.32	57.20	74.00	-16.80	100	230	Peak



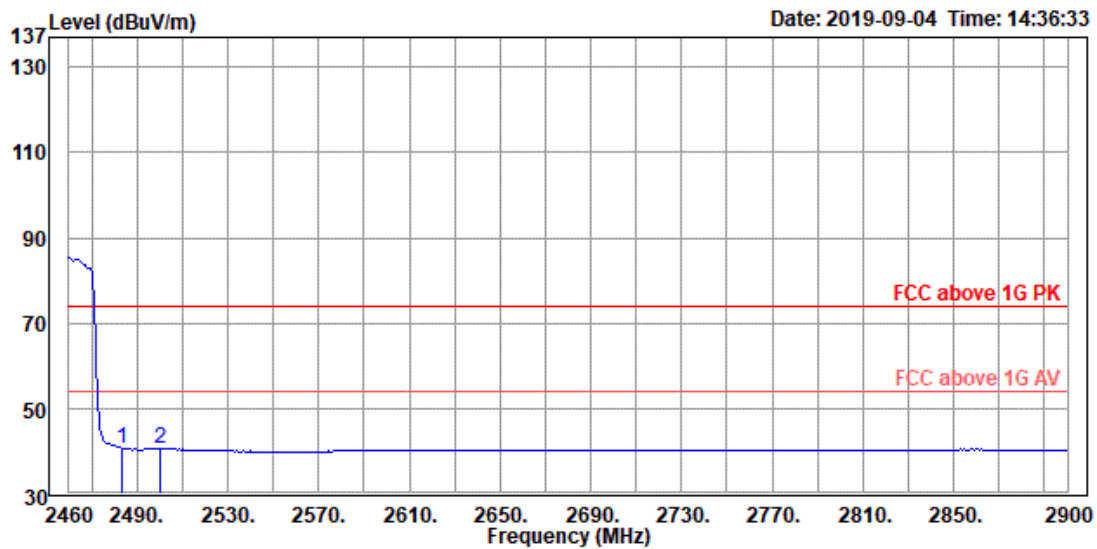
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	48.24	-8.07	40.17	54.00	-13.83	190	184	Average	
2	2500.000	48.22	-8.05	40.17	54.00	-13.83	190	184	Average	



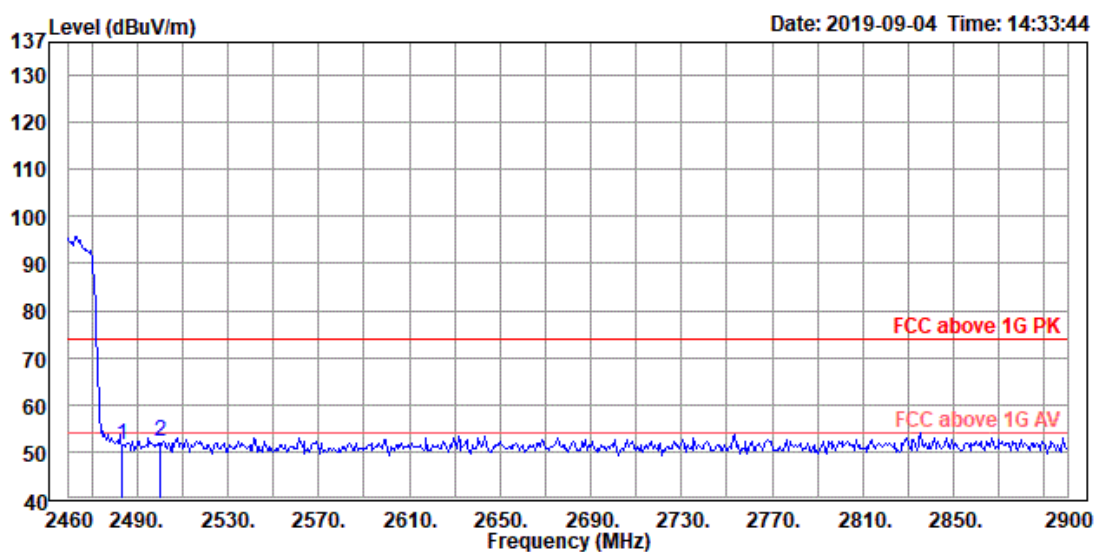
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2462
Memo : Y(Stand)

	Read			Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit			Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	60.60	-8.07	52.53	74.00	-21.47	190	184	Peak
2	2500.000	60.09	-8.05	52.04	74.00	-21.96	190	184	Peak



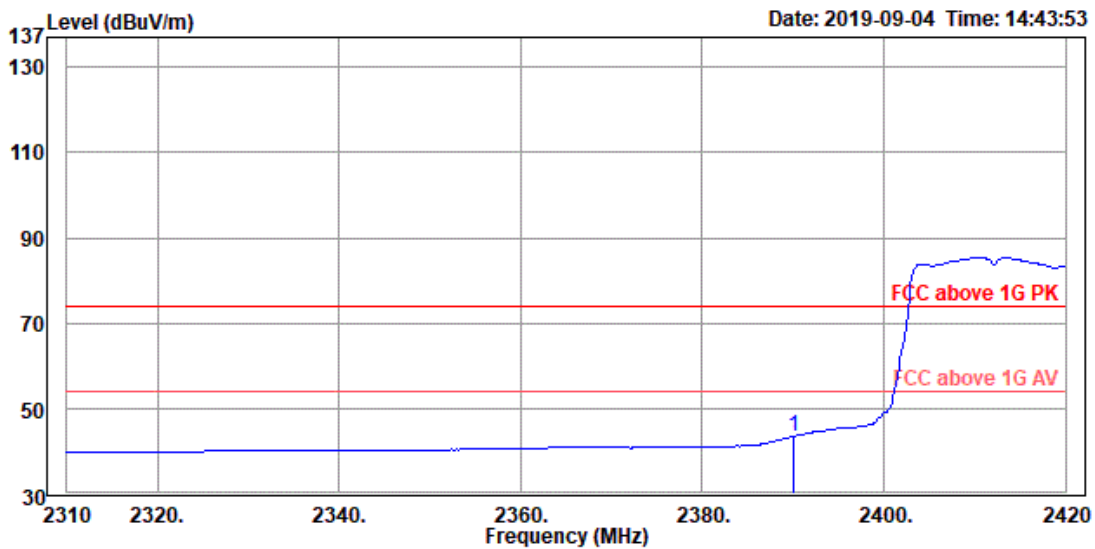
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	48.81	-8.07	40.74	54.00	-13.26	100	244	Average	
2	2500.000	48.47	-8.05	40.42	54.00	-13.58	100	244	Average	



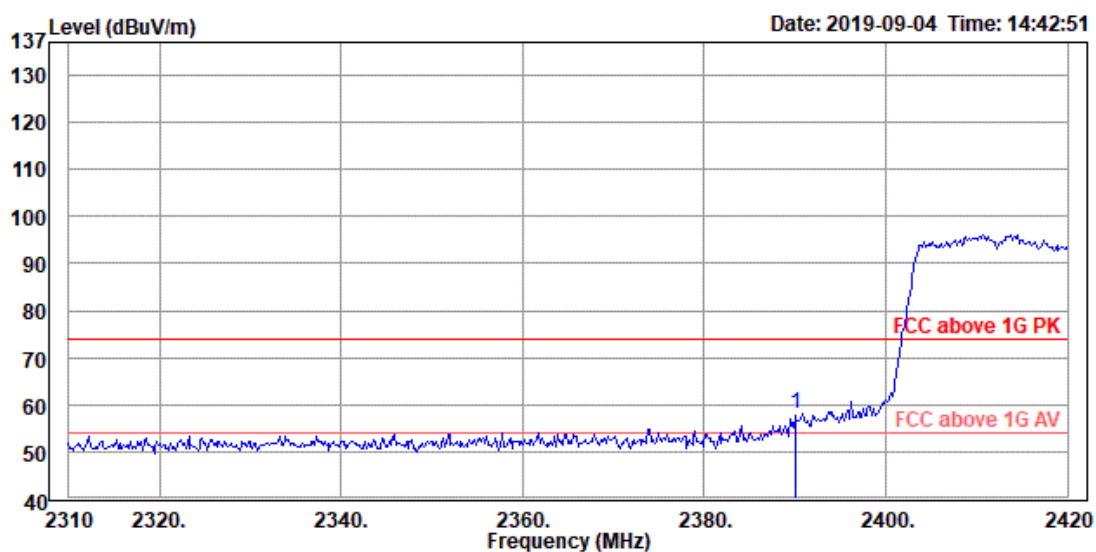
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2462
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	2483.500	59.67	-8.07	51.60	74.00	-22.40	100	244 Peak
2	2500.000	60.30	-8.05	52.25	74.00	-21.75	100	244 Peak



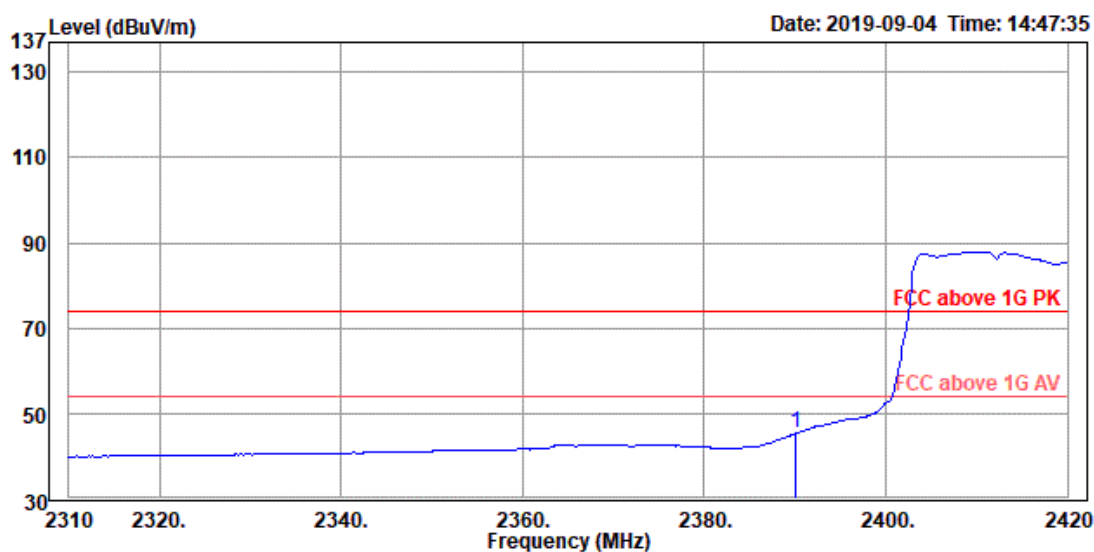
Site : 966A Chamber A
 Condition : FCC above 1G PK 3m horizontal
 Test Engineer: Kevin Kuo
 Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
 Model No. : RYWB116
 Test Rating : 5Vdc
 Tmp/Hum : 23°C / 48%
 Power Setting: 18
 Mode : N20-TX-2412
 Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2390.000	51.72	-8.32	43.40	54.00	-10.60	150	183	Average	



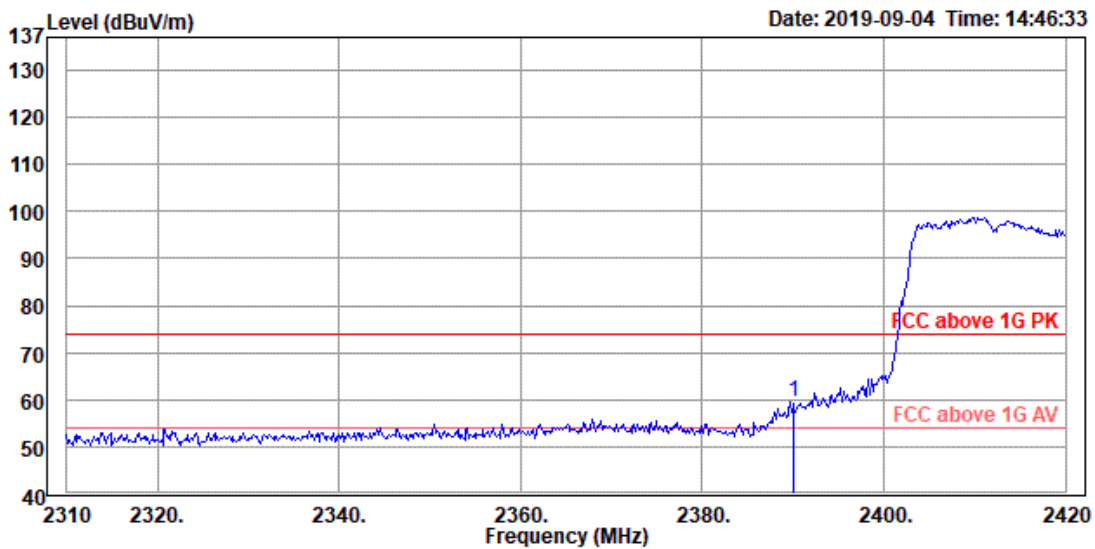
Site : 966A Chamber A
 Condition : FCC above 1G PK 3m horizontal
 Test Engineer: Kevin Kuo
 Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
 Model No. : RYWB116
 Test Rating : 5Vdc
 Tmp/Hum : 23°C / 48%
 Power Setting: 18
 Mode : N20-TX-2412
 Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2390.000	66.47	-8.32	58.15	74.00	-15.85	150	183	Peak	



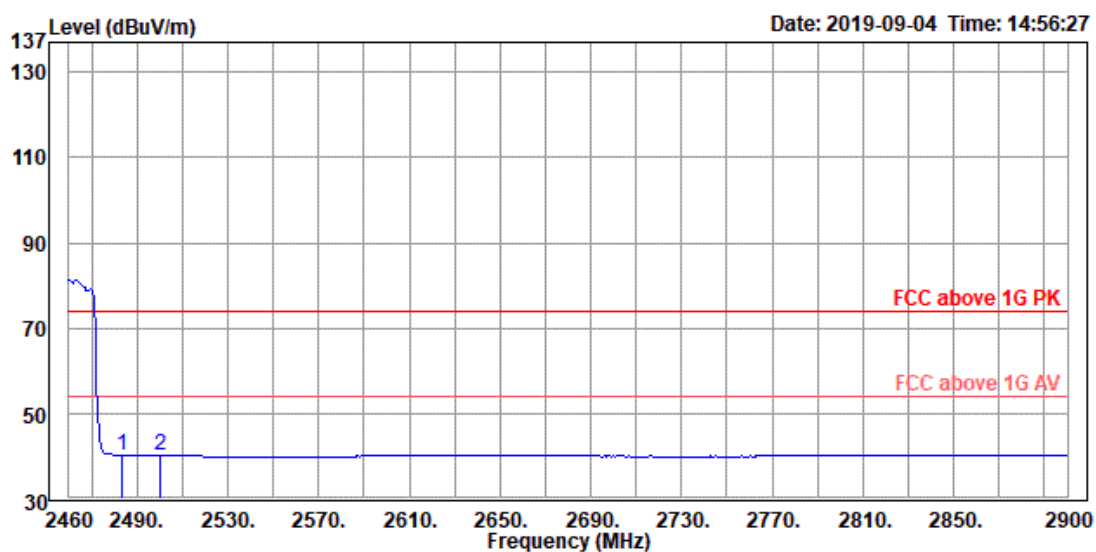
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2390.000	53.68	-8.32	45.36	54.00	-8.64	100	226	Average	



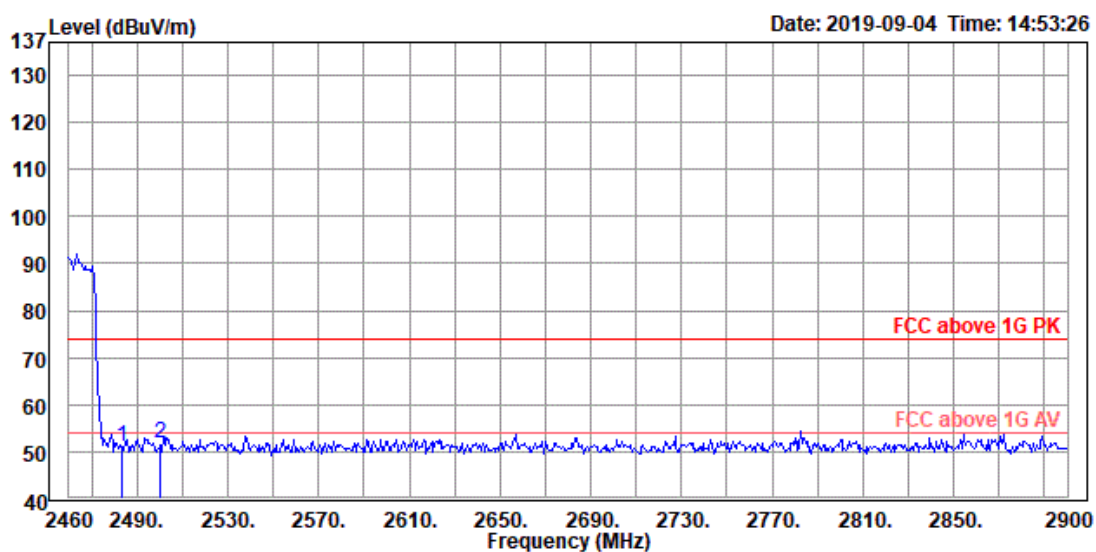
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2412
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 2390.000	67.73	-8.32	59.41	74.00	-14.59	100	226	Peak



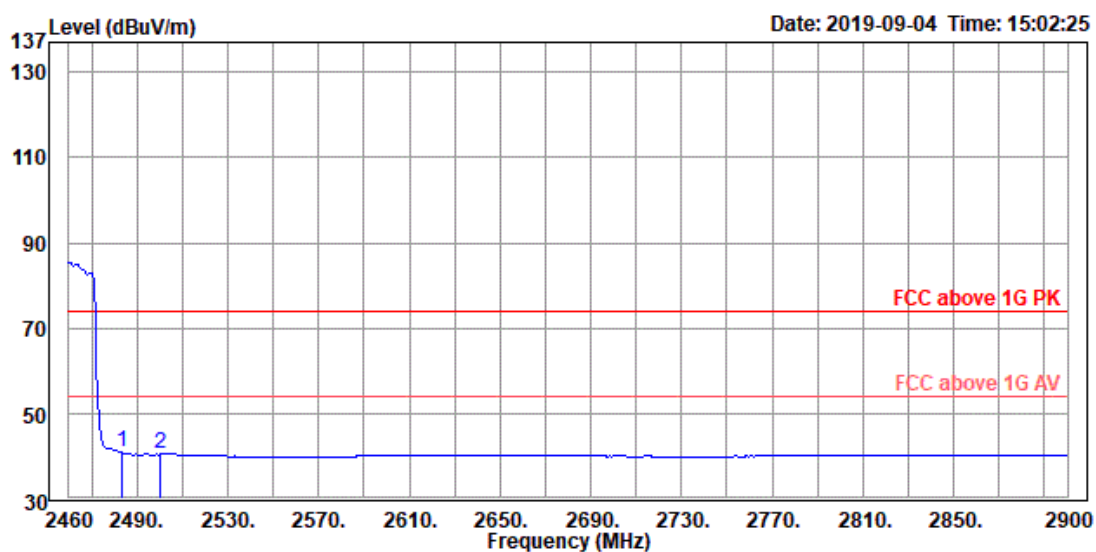
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	48.31	-8.07	40.24	54.00	-13.76	187	185	Average	
2	2500.000	48.15	-8.05	40.10	54.00	-13.90	187	185	Average	



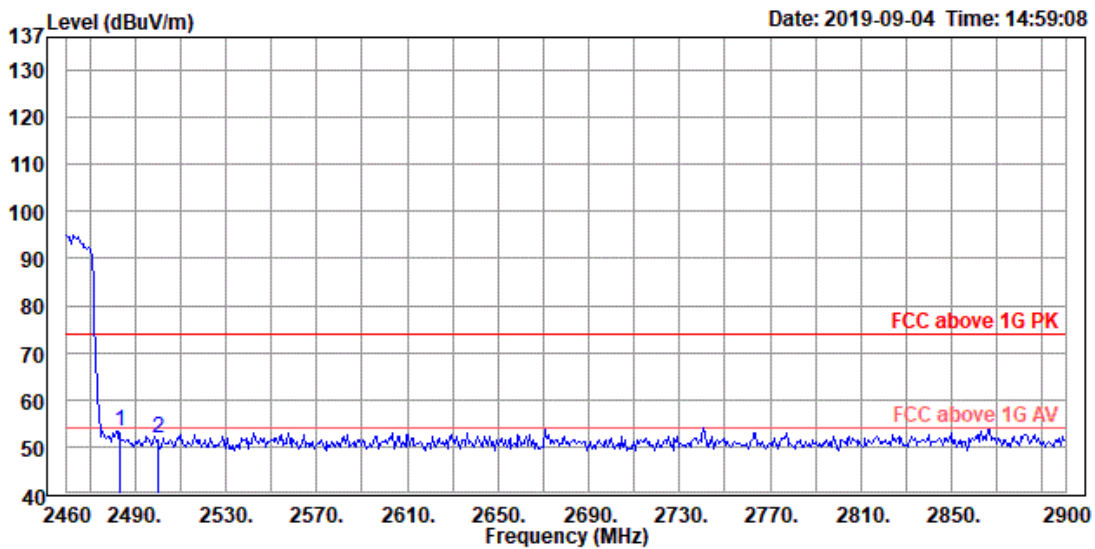
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	59.04	-8.07	50.97	74.00	-23.03	187	185	Peak	
2	2500.000	59.89	-8.05	51.84	74.00	-22.16	187	185	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	48.95	-8.07	40.88	54.00	-13.12	102	241	Average	
2	2500.000	48.53	-8.05	40.48	54.00	-13.52	102	241	Average	



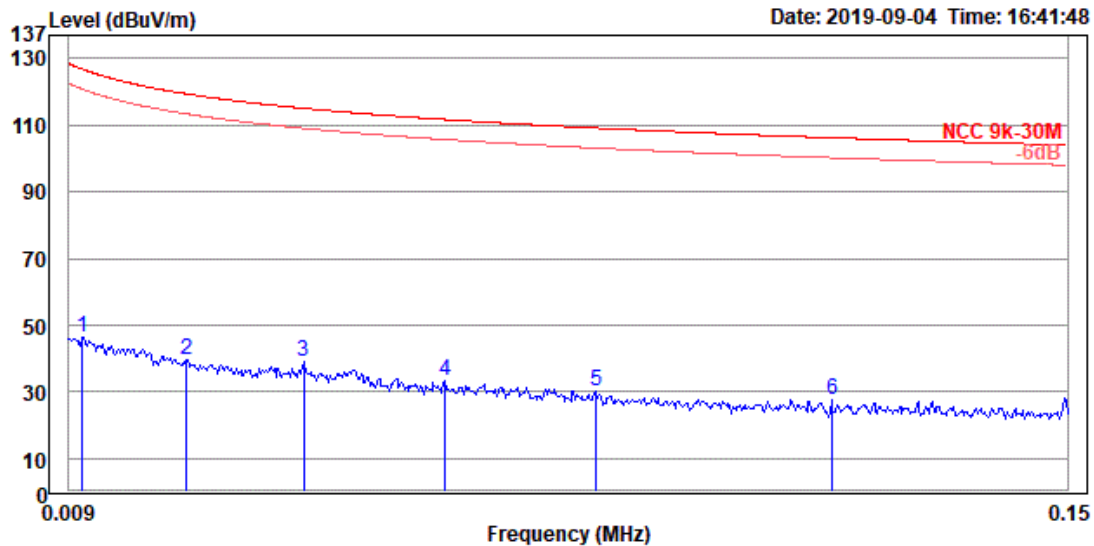
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2462
Memo : Y(Stand)

	Read			Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit			Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2483.500	61.51	-8.07	53.44	74.00	-20.56	102	241	Peak
2	2500.000	59.88	-8.05	51.83	74.00	-22.17	102	241	Peak

Spurious Emissions, TX Mode, 9K-30M

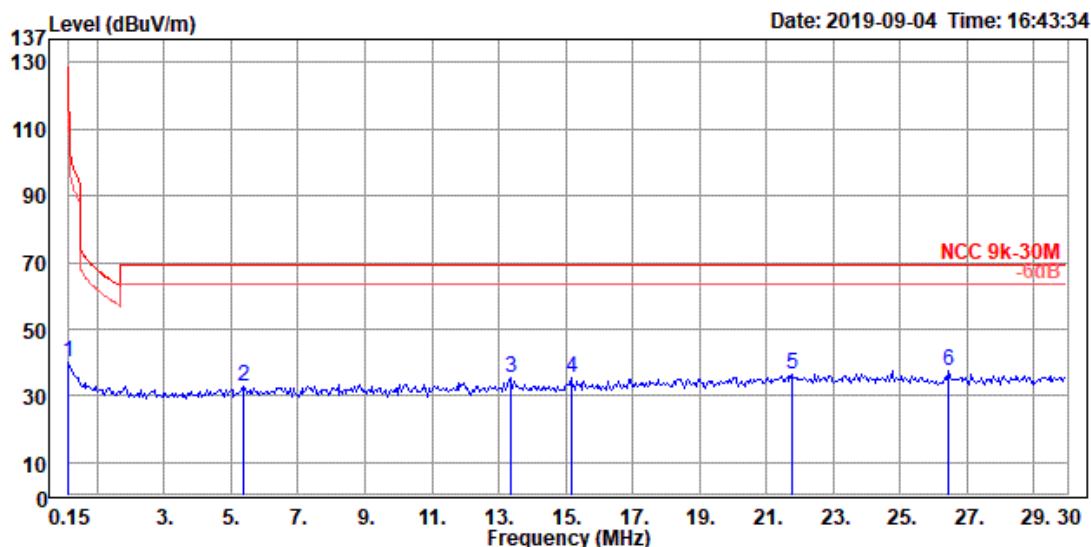


TUV Rheinland Taiwan Ltd.
11F., No.758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



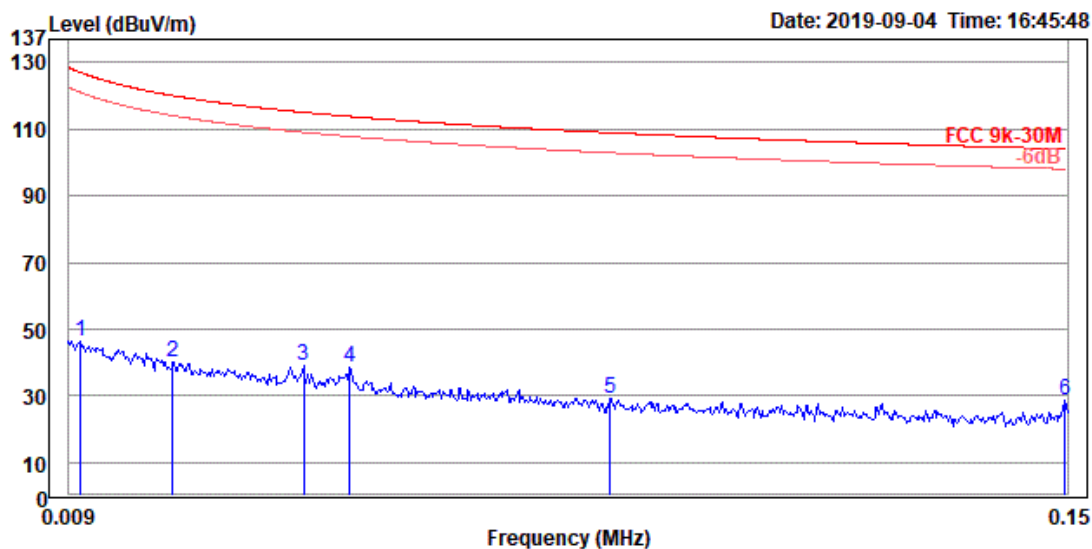
Site : 966A Chamber A
Condition : NCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 13
Mode : B-RX-2437
Memo : Y(直立)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	0.011	28.24	18.11	46.35	126.89	-80.54	100	176	QP	
2	0.026	20.92	18.78	39.70	119.44	-79.74	100	2	QP	
3	0.042	19.99	18.92	38.91	115.11	-76.20	100	31	QP	
4	0.062	14.73	18.59	33.32	111.73	-78.41	100	87	QP	
5	0.083	12.16	18.09	30.25	109.17	-78.92	100	192	QP	
6	0.117	9.64	17.77	27.41	106.26	-78.85	100	54	QP	



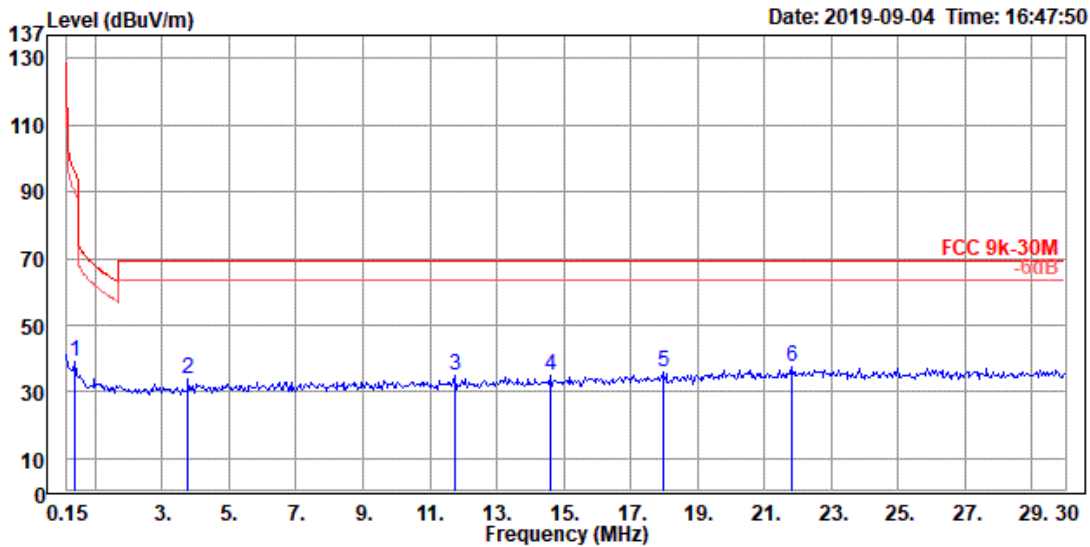
Site : 966A Chamber A
Condition : NCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 13
Mode : B-RX-2437
Memo : Y(直立)

		Read		Limit	Over	APos	TPos		
	Freq	Level	Factor	Level	Line	Limit		Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	0.150	21.95	17.91	39.86	104.08	-64.22	100	104	QP
2	5.385	13.33	19.42	32.75	69.50	-36.75	100	159	QP
3	13.345	14.55	20.73	35.28	69.50	-34.22	100	248	QP
4	15.162	14.41	20.91	35.32	69.50	-34.18	100	176	QP
5	21.780	15.24	21.48	36.72	69.50	-32.78	100	142	QP
6	26.453	15.95	21.70	37.65	69.50	-31.85	100	7	QP



Site : 966A Chamber A
Condition : FCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 13
Mode : B-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	0.011	28.29	18.10	46.39	127.05	-80.66	100	115	QP	
2	0.024	21.26	18.70	39.96	120.09	-80.13	100	139	QP	
3	0.042	19.94	18.92	38.86	115.11	-76.25	100	191	QP	
4	0.049	19.41	18.89	38.30	113.85	-75.55	100	328	QP	
5	0.085	11.24	18.04	29.28	108.96	-79.68	100	275	QP	
6	0.150	10.62	17.91	28.53	104.10	-75.57	100	113	QP	



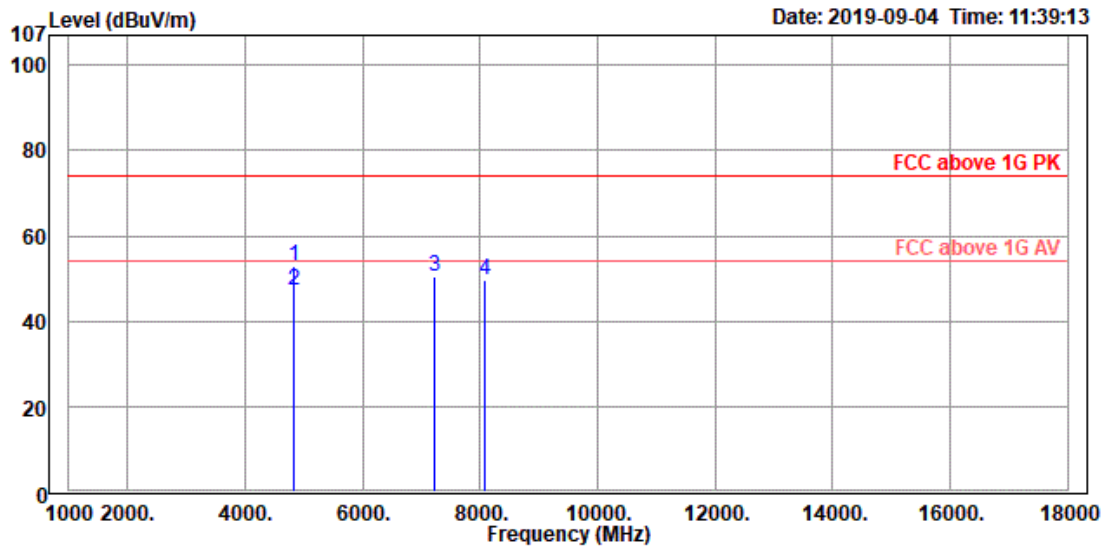
Site : 966A Chamber A
Condition : FCC 9k-30M 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 13
Mode : B-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	0.366	20.51	18.51	39.02	96.33	-57.31	100	162	QP	
2	3.784	14.73	18.89	33.62	69.50	-35.88	100	134	QP	
3	11.744	14.11	20.58	34.69	69.50	-34.81	100	251	QP	
4	14.599	13.98	20.86	34.84	69.50	-34.66	100	166	QP	
5	17.973	14.59	21.20	35.79	69.50	-33.71	100	43	QP	
6	21.824	16.08	21.48	37.56	69.50	-31.94	100	98	QP	

Spurious Emissions, TX Mode, 1-18G

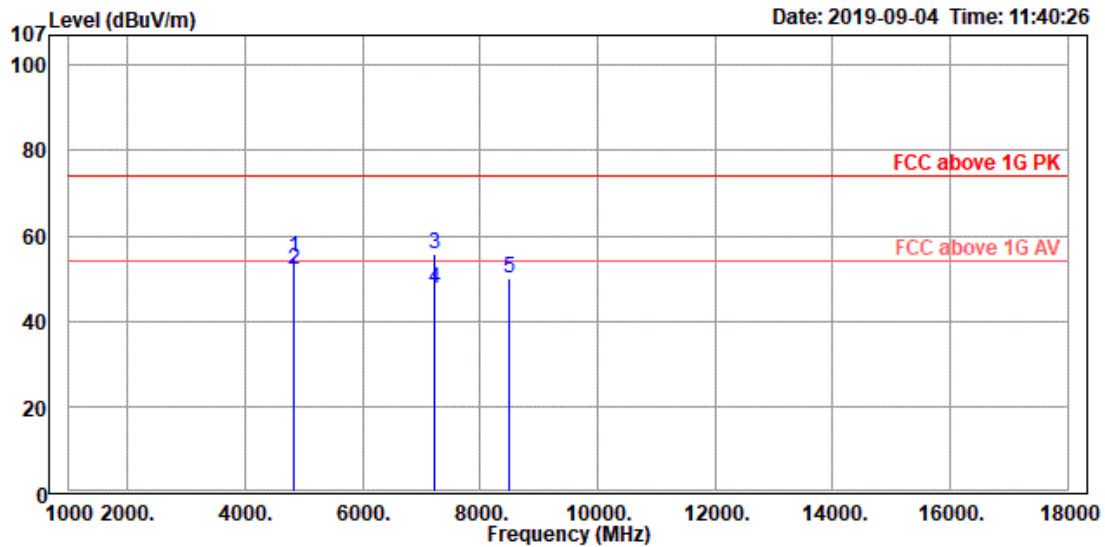


TUV Rheinland Taiwan Ltd.
11F., No.758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



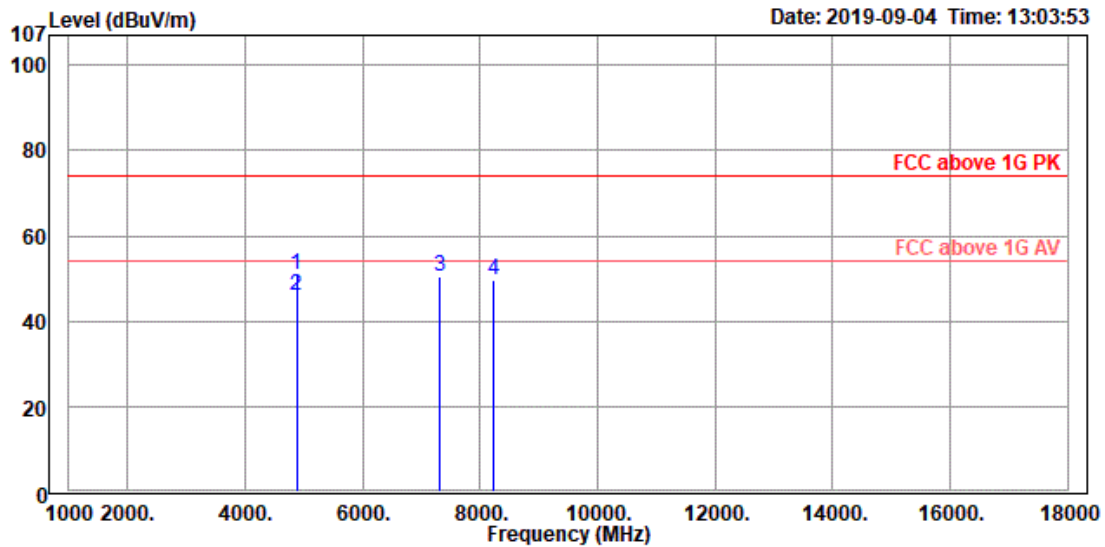
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 12
Mode : B-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4824.000	55.41	-2.64	52.77	74.00	-21.23	122	251	Peak	
2	4824.000	49.89	-2.64	47.25	54.00	-6.75	122	251	Average	
3	7236.000	45.23	5.40	50.63	74.00	-23.37	100	106	Peak	
4	8071.015	43.62	5.96	49.58	74.00	-24.42	100	33	Peak	



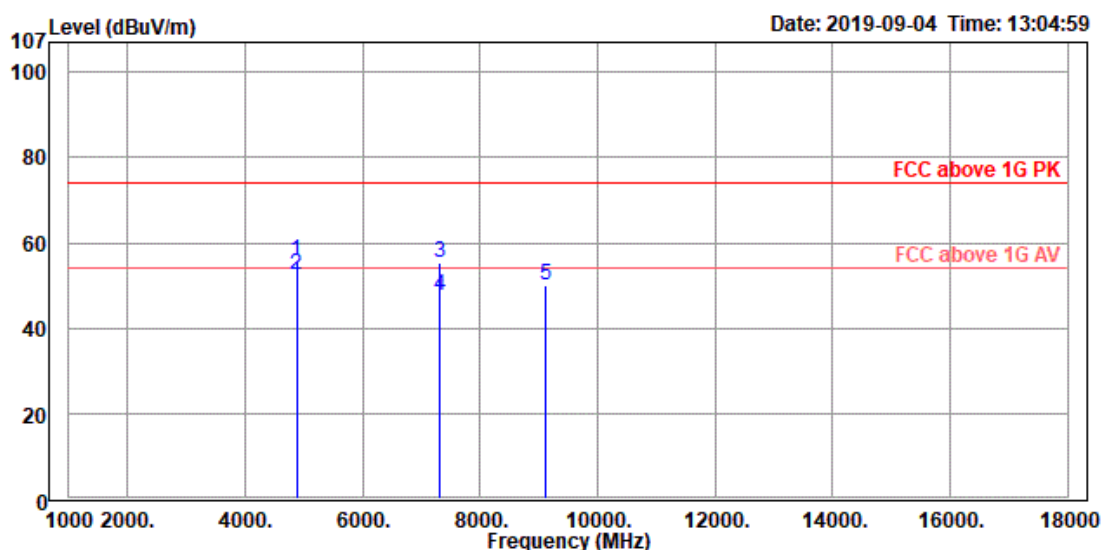
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 12
Mode : B-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4824.000	57.69	-2.64	55.05	74.00	-18.95	156	206	Peak	
2	4824.000	54.59	-2.64	51.95	54.00	-2.05	156	206	Average	
3	7236.000	50.19	5.40	55.59	74.00	-18.41	140	41	Peak	
4	7236.000	42.29	5.40	47.69	54.00	-6.31	140	41	Average	
5	8489.855	43.46	6.64	50.10	74.00	-23.90	100	182	Peak	



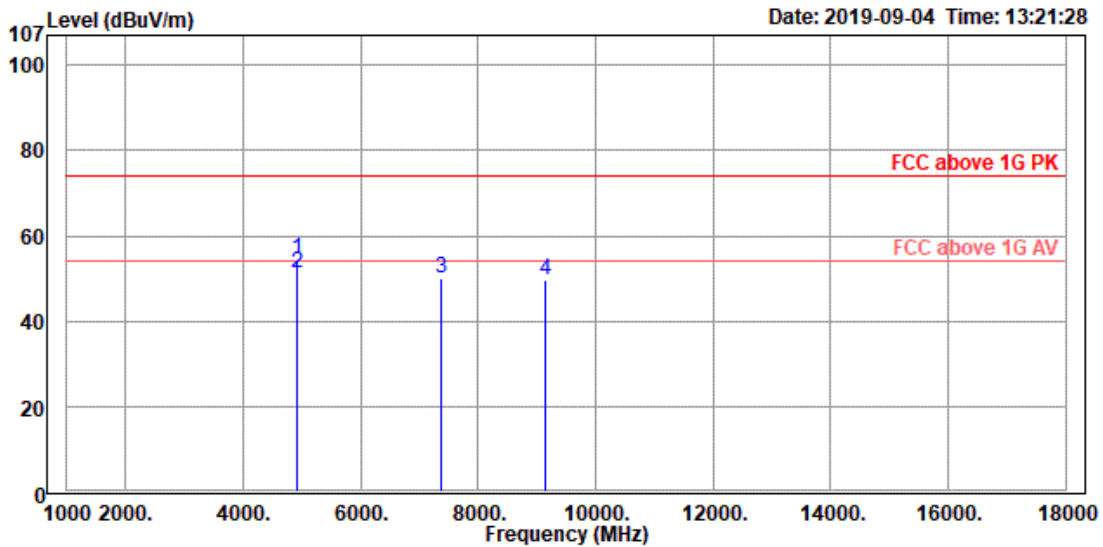
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 13
Mode : B-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4874.000	53.38	-2.54	50.84	74.00	-23.16	230	298	Peak	
2	4874.000	48.50	-2.54	45.96	54.00	-8.04	230	298	Average	
3	7311.000	44.81	5.57	50.38	74.00	-23.62	100	97	Peak	
4	8218.841	43.42	6.20	49.62	74.00	-24.38	100	97	Peak	



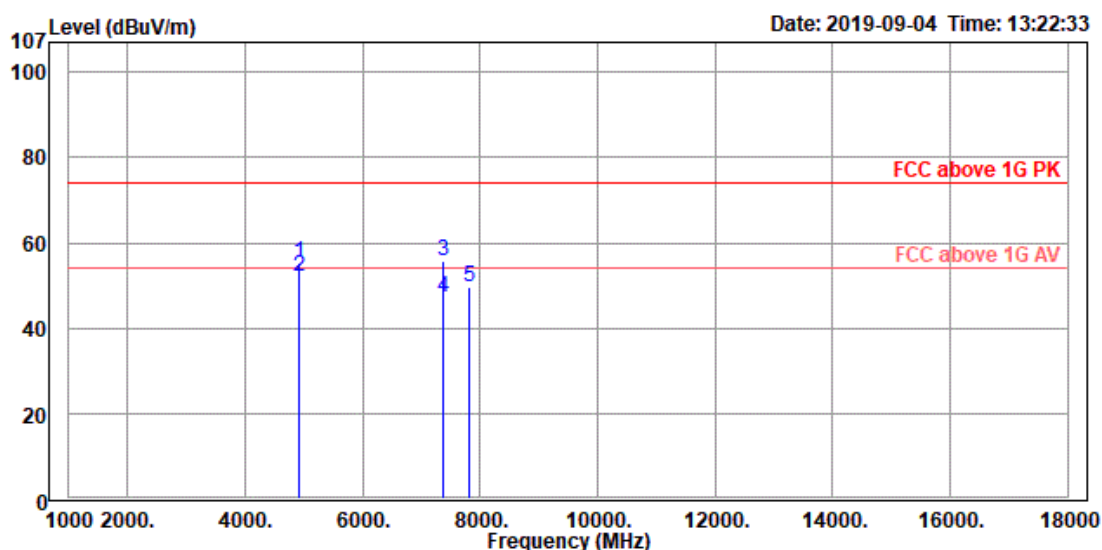
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 13
Mode : B-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4874.000	58.30	-2.54	55.76	74.00	-18.24	113	179	Peak	
2	4874.000	54.92	-2.54	52.38	54.00	-1.62	113	179	Average	
3	7311.000	49.76	5.57	55.33	74.00	-18.67	200	0	Peak	
4	7311.000	41.96	5.57	47.53	54.00	-6.47	200	0	Average	
5	9105.797	43.54	6.67	50.21	74.00	-23.79	100	0	Peak	



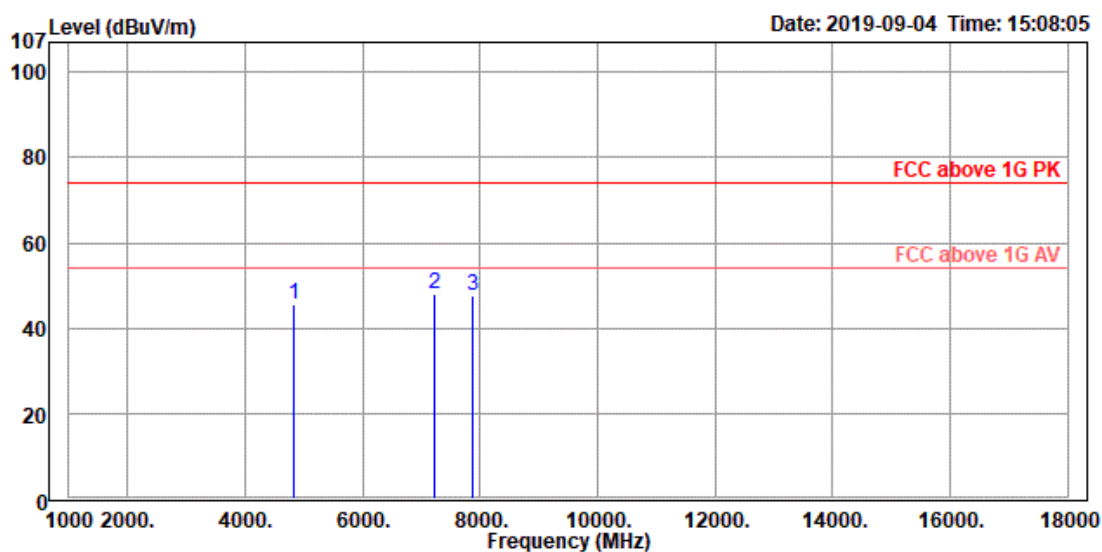
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 14
Mode : B-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4924.000	57.09	-2.43	54.66	74.00	-19.34	159	311	Peak	
2	4924.000	53.59	-2.43	51.16	54.00	-2.84	159	311	Average	
3	7386.000	44.42	5.79	50.21	74.00	-23.79	100	52	Peak	
4	9155.072	42.83	6.63	49.46	74.00	-24.54	100	360	Peak	



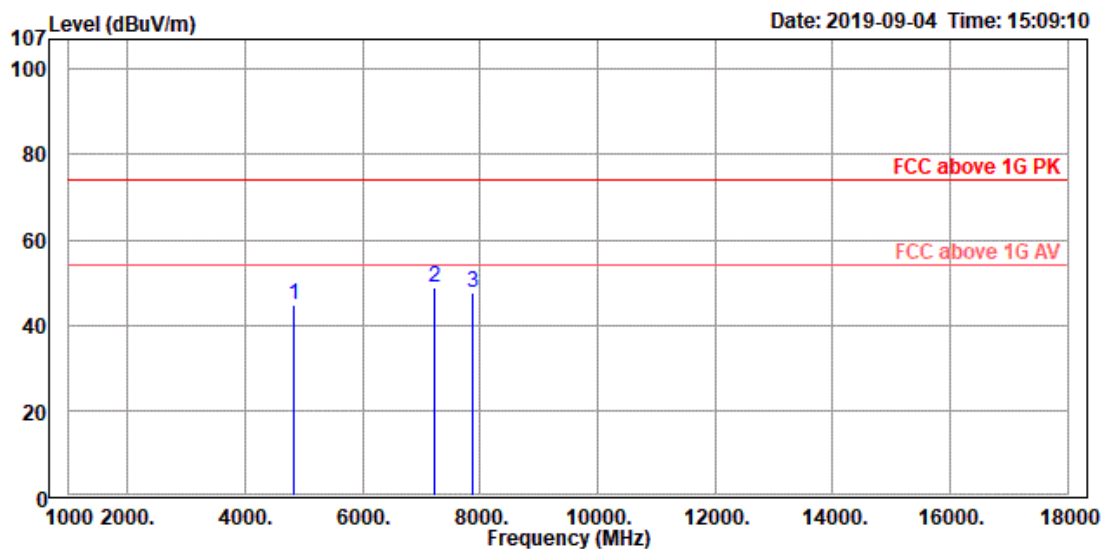
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 14
Mode : B-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4924.000	57.59	-2.43	55.16	74.00	-18.84	119	185	Peak	
2	4924.000	54.69	-2.43	52.26	54.00	-1.74	119	185	Average	
3	7386.000	50.00	5.79	55.79	74.00	-18.21	100	44	Peak	
4	7386.000	41.50	5.79	47.29	54.00	-6.71	100	44	Average	
5	7824.638	43.67	6.08	49.75	74.00	-24.25	100	0	Peak	



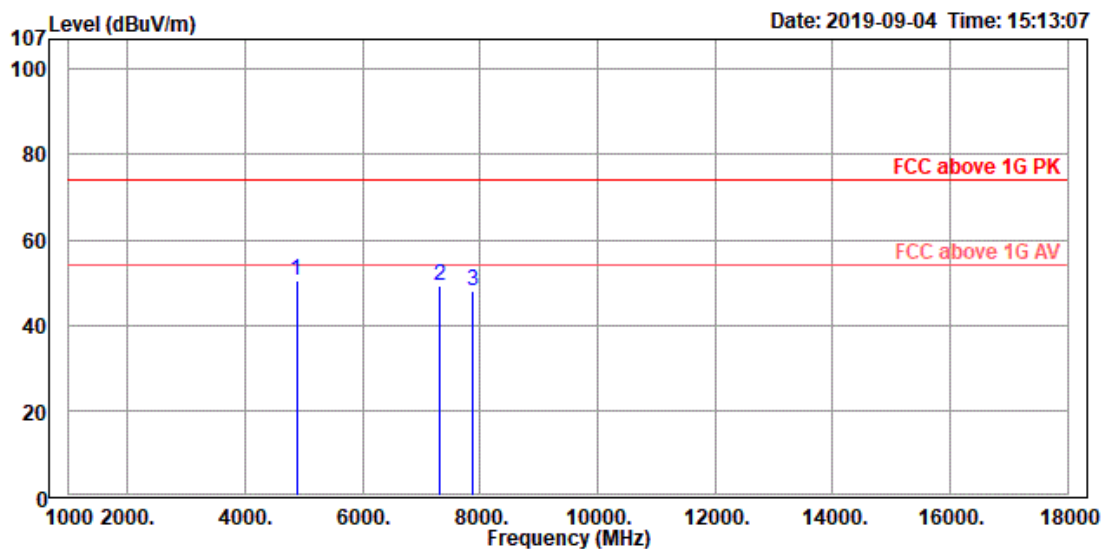
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4824.000	49.20	-3.48	45.72	74.00	-28.28	100	284	Peak	
2	7236.000	43.52	4.36	47.88	74.00	-26.12	100	66	Peak	
3	7873.913	42.75	4.95	47.70	74.00	-26.30	100	24	Peak	



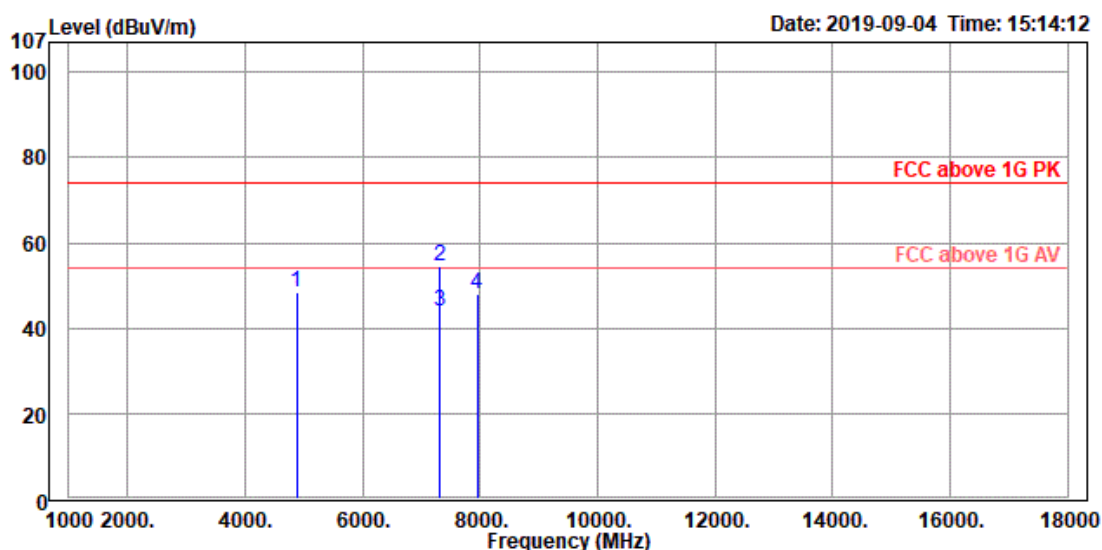
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4824.000	48.23	-3.48	44.75	74.00	-29.25	116	211	Peak	
2	7236.000	44.30	4.36	48.66	74.00	-25.34	100	0	Peak	
3	7873.913	42.65	4.95	47.60	74.00	-26.40	100	1	Peak	



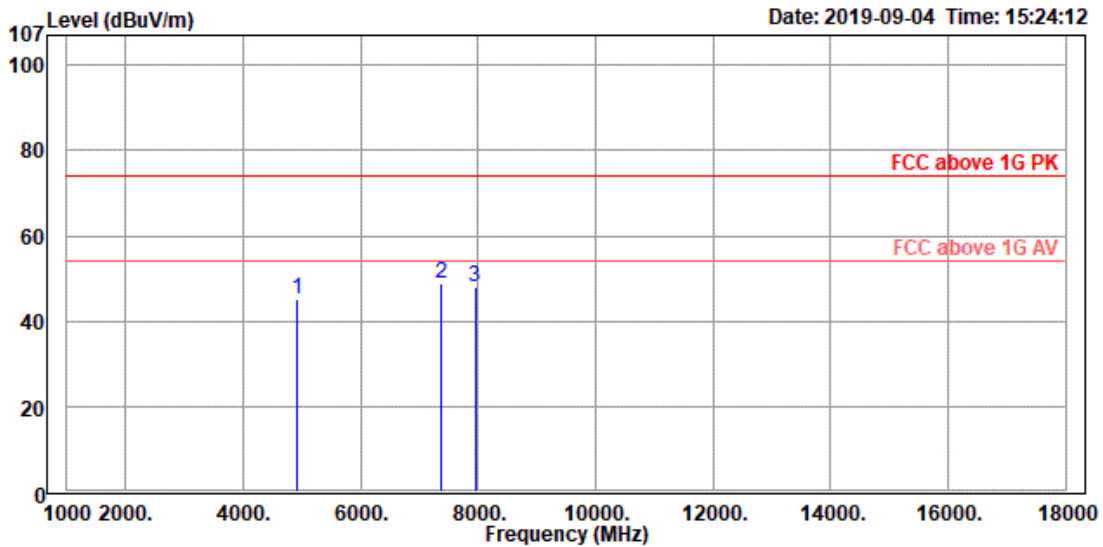
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4874.000	53.69	-3.43	50.26	74.00	-23.74	100	256	Peak	
2	7311.000	44.65	4.53	49.18	74.00	-24.82	100	358	Peak	
3	7873.913	42.99	4.95	47.94	74.00	-26.06	100	160	Peak	



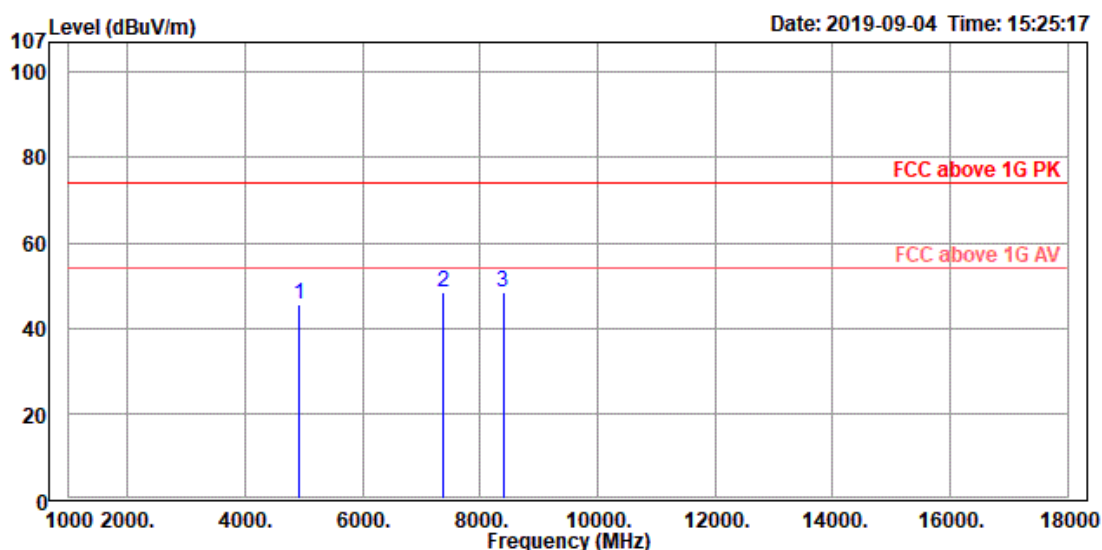
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4874.000	51.69	-3.43	48.26	74.00	-25.74	100	212	Peak	
2	7311.000	49.95	4.53	54.48	74.00	-19.52	133	0	Peak	
3	7311.000	39.51	4.53	44.04	54.00	-9.96	133	0	Average	
4	7947.826	43.03	4.84	47.87	74.00	-26.13	100	350	Peak	



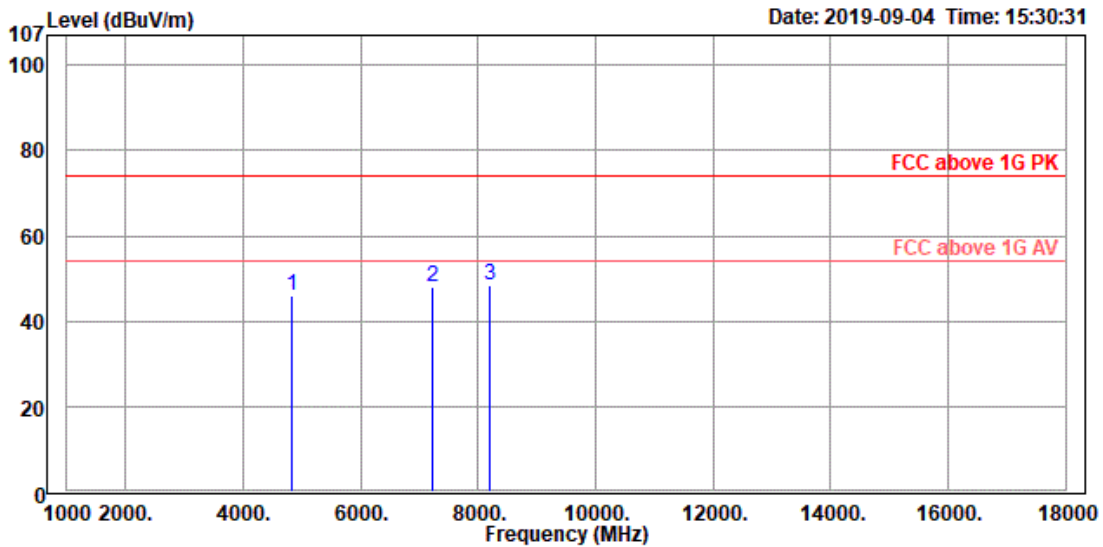
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4924.000	48.37	-3.38	44.99	74.00	-29.01	100	113	Peak	
2	7386.000	43.98	4.75	48.73	74.00	-25.27	100	201	Peak	
3	7947.826	43.29	4.84	48.13	74.00	-25.87	100	137	Peak	



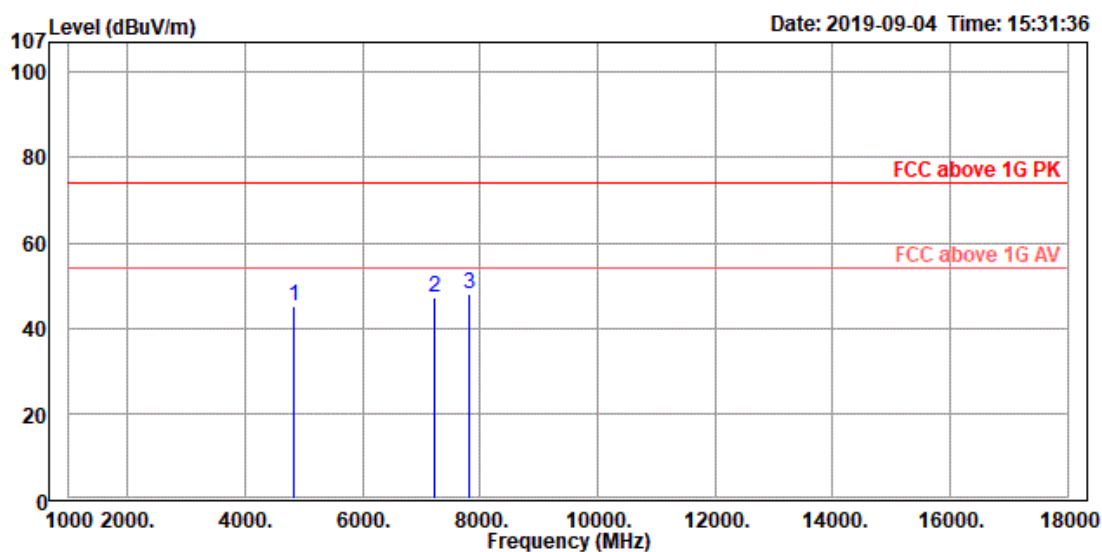
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4924.000	48.84	-3.38	45.46	74.00	-28.54	100	187	Peak	
2	7386.000	43.74	4.75	48.49	74.00	-25.51	100	359	Peak	
3	8391.305	43.04	5.42	48.46	74.00	-25.54	100	90	Peak	



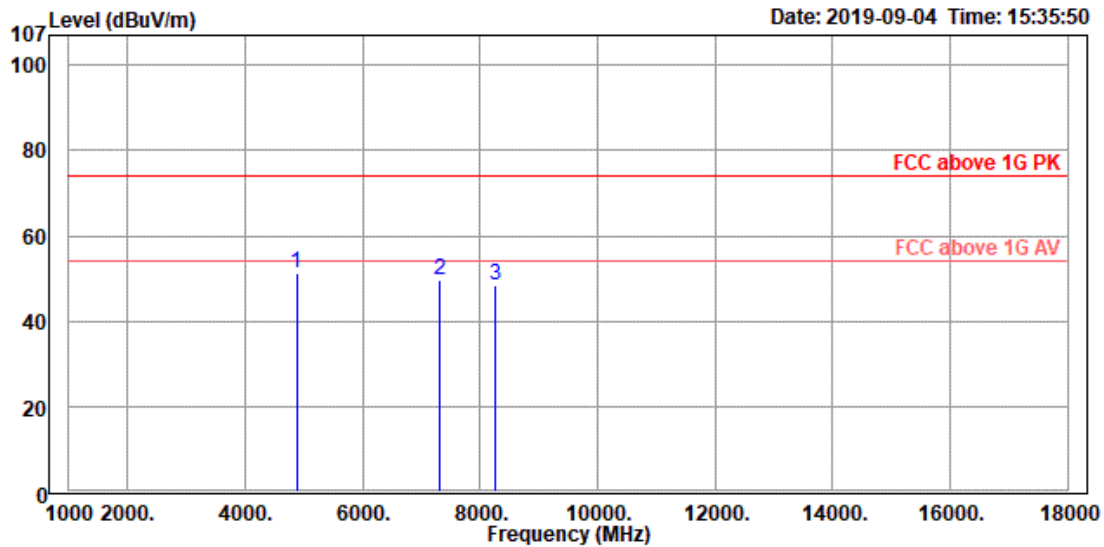
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4824.000	49.38	-3.48	45.90	74.00	-28.10	100	294	Peak	
2	7236.000	43.62	4.36	47.98	74.00	-26.02	100	269	Peak	
3	8194.203	43.38	5.12	48.50	74.00	-25.50	100	53	Peak	



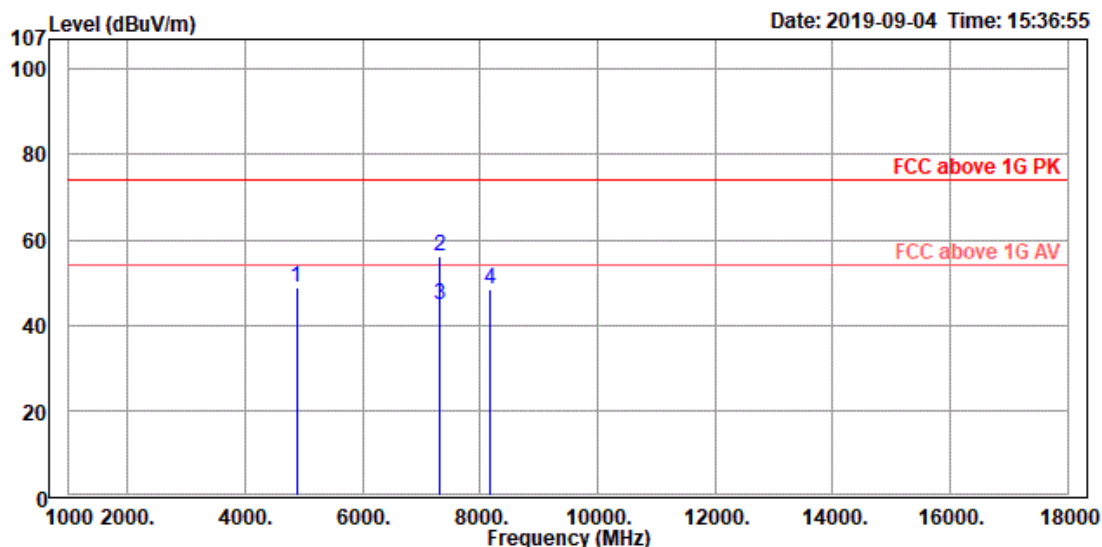
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4824.000	48.65	-3.48	45.17	74.00	-28.83	100	210	Peak	
2	7236.000	42.80	4.36	47.16	74.00	-26.84	100	295	Peak	
3	7824.638	42.93	5.04	47.97	74.00	-26.03	100	297	Peak	



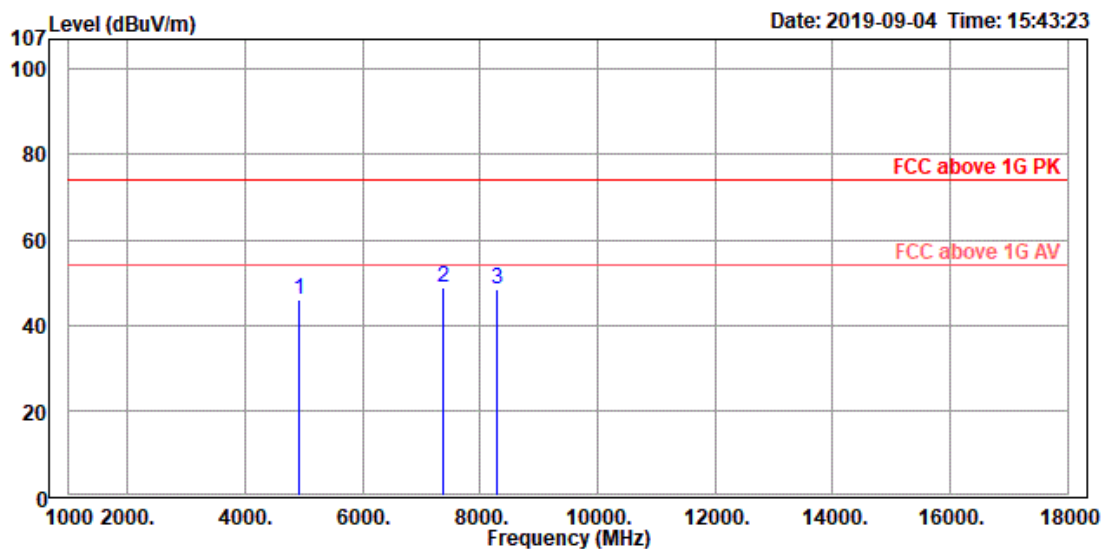
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4874.000	54.89	-3.43	51.46	74.00	-22.54	100	272	Peak	
2	7311.000	45.11	4.53	49.64	74.00	-24.36	100	339	Peak	
3	8268.116	43.10	5.24	48.34	74.00	-25.66	100	360	Peak	



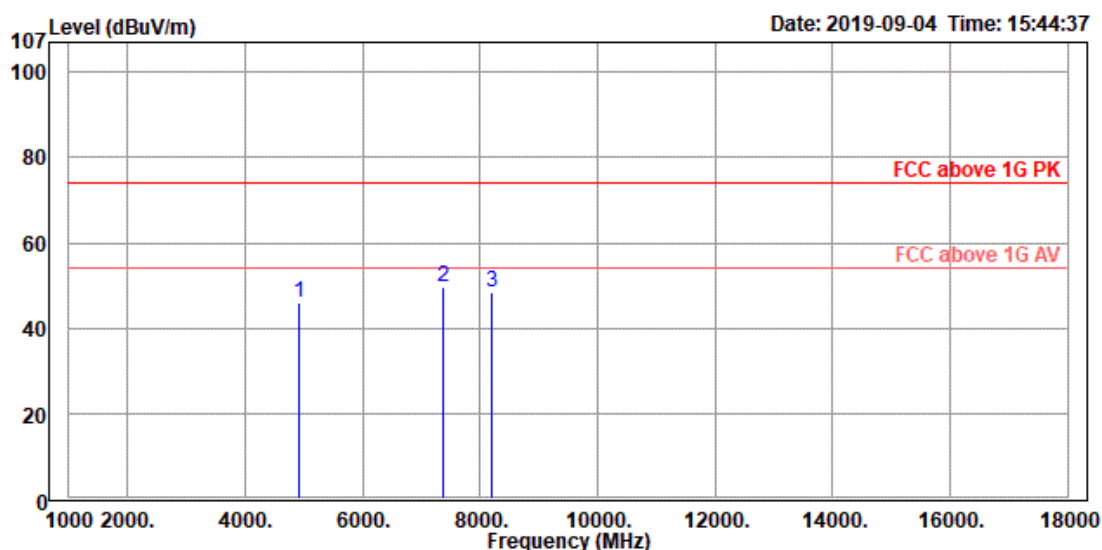
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4874.000	52.40	-3.43	48.97	74.00	-25.03	100	215	Peak	
2	7311.000	51.64	4.53	56.17	74.00	-17.83	146	17	Peak	
3	7311.000	40.22	4.53	44.75	54.00	-9.25	146	17	Average	
4	8169.565	43.27	5.08	48.35	74.00	-25.65	100	141	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4924.000	49.23	-3.38	45.85	74.00	-28.15	100	342	Peak	
2	7386.000	43.91	4.75	48.66	74.00	-25.34	100	258	Peak	
3	8292.754	43.34	5.27	48.61	74.00	-25.39	100	247	Peak	



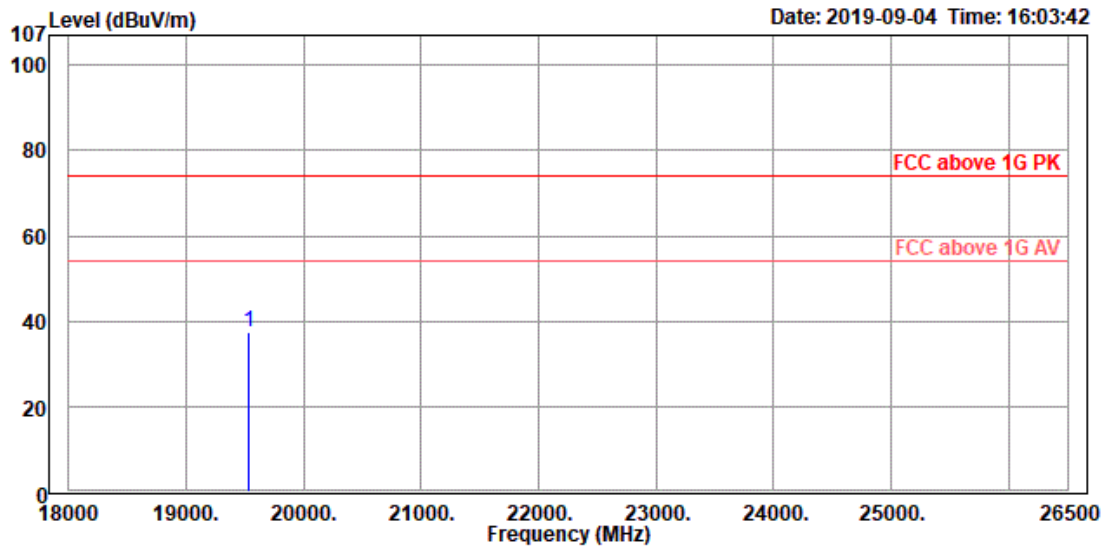
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4924.000	49.29	-3.38	45.91	74.00	-28.09	100	201	Peak	
2	7386.000	44.83	4.75	49.58	74.00	-24.42	100	66	Peak	
3	8194.203	43.34	5.12	48.46	74.00	-25.54	100	38	Peak	

Spurious Emissions, TX Mode, 18-26.5G

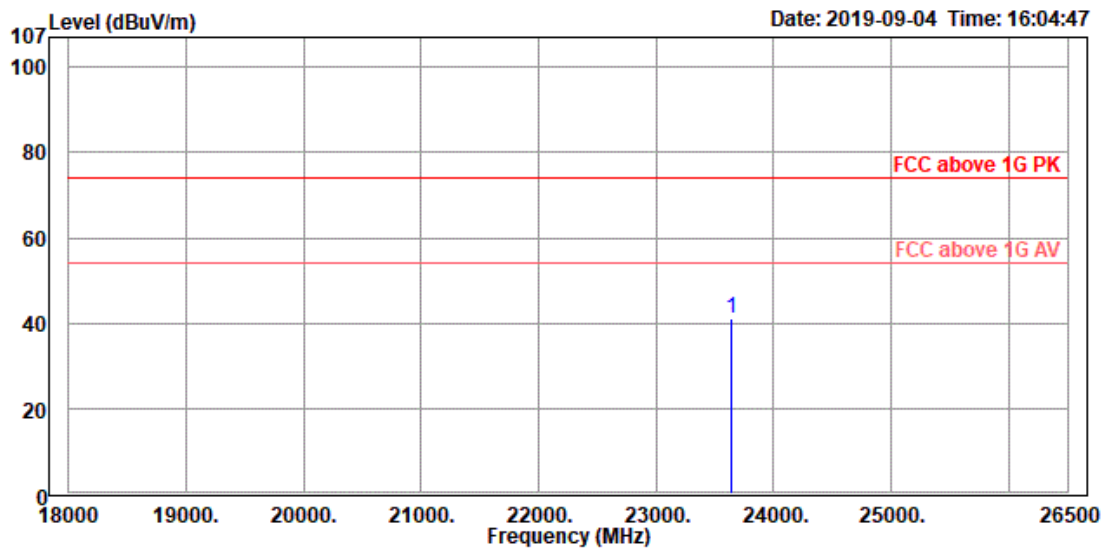


TUV Rheinland Taiwan Ltd.
11F., No.758, Sec. 4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



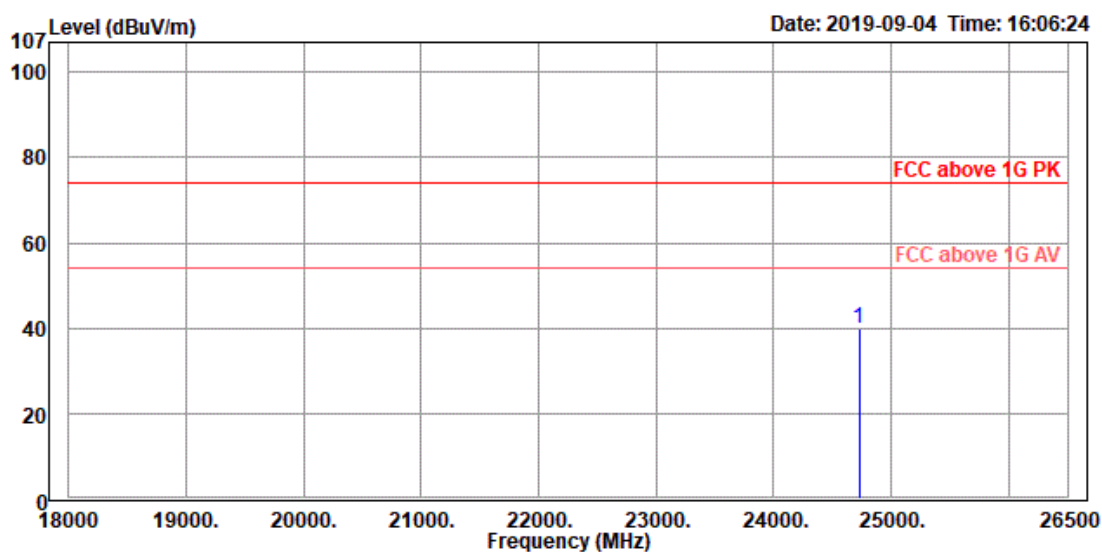
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 12
Mode : B-TX-2412
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 19527.540	40.19	-2.56	37.63	74.00	-36.37	100	339 Peak	



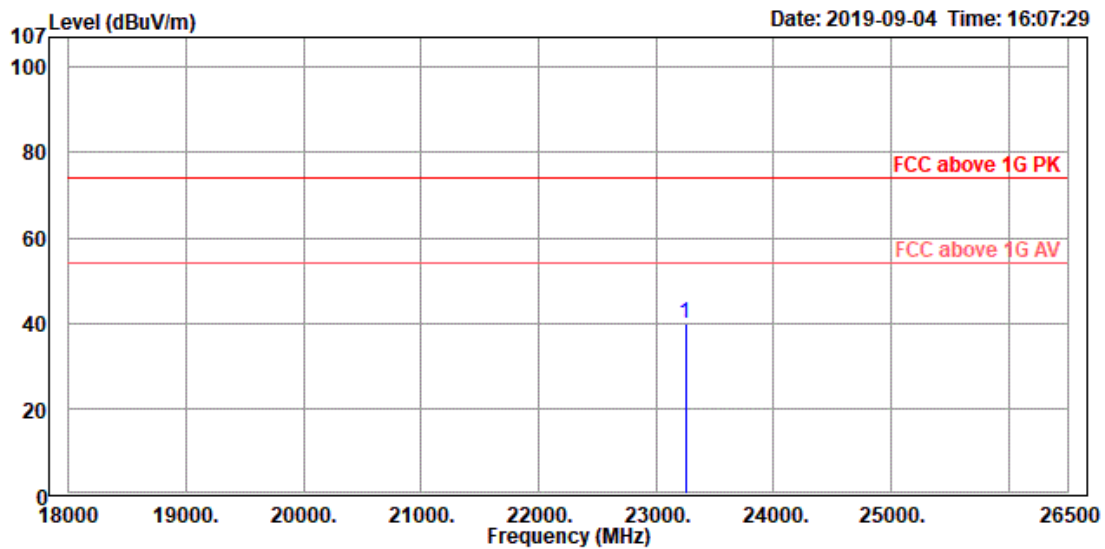
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 12
Mode : B-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	23642.030	40.08	1.14	41.22	74.00	-32.78	100	98	Peak	



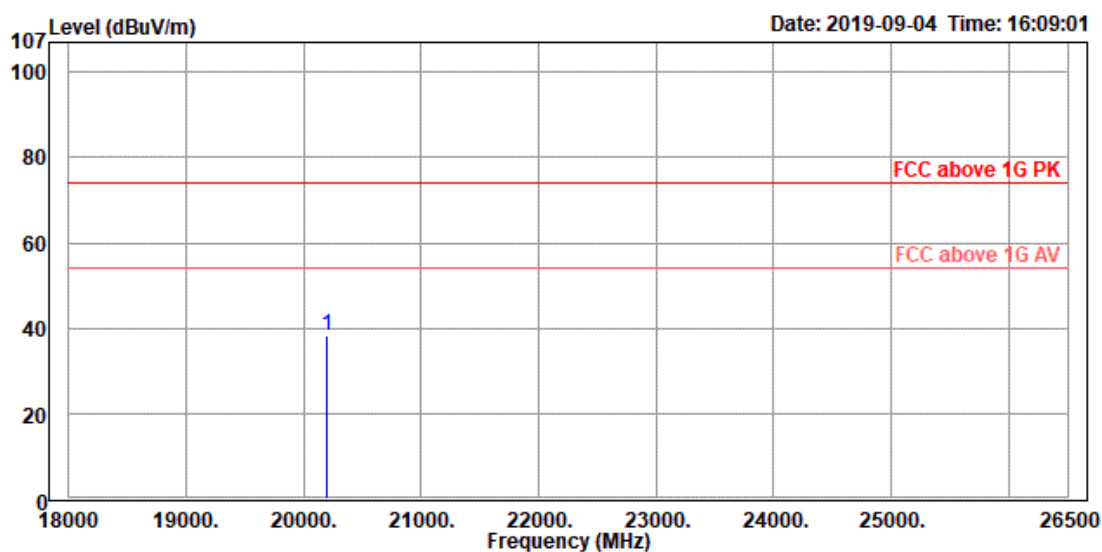
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 13
Mode : B-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	24726.090	38.35	1.40	39.75	74.00	-34.25	100	140	Peak	



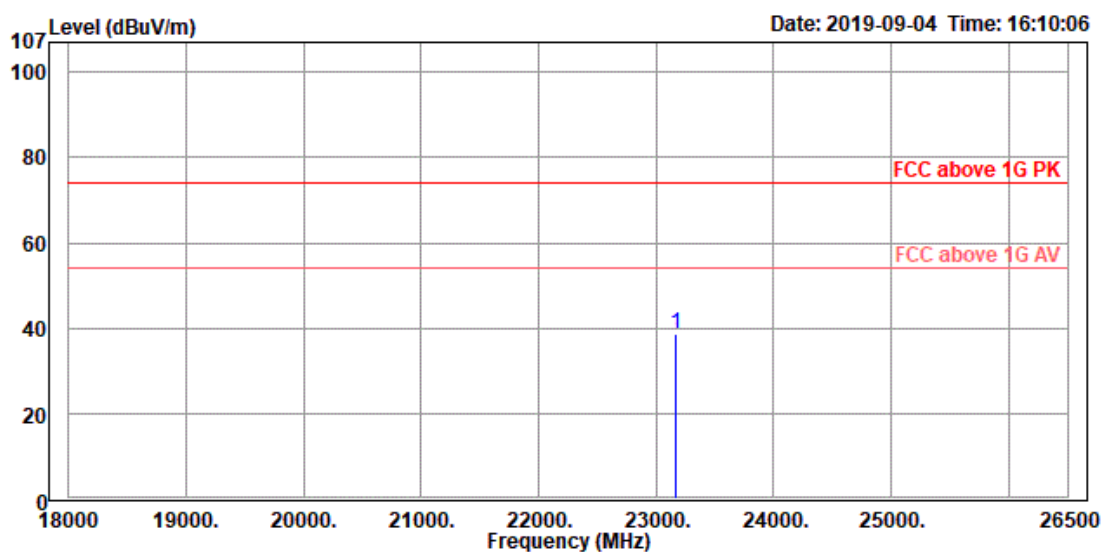
Site : 966A Chamber A
 Condition : FCC above 1G PK 3m vertical
 Test Engineer: Kevin Kuo
 Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
 Model No. : RYWB116
 Test Rating : 5Vdc
 Tmp/Hum : 23°C / 48%
 Power Setting: 13
 Mode : B-TX-2437
 Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 23247.830	39.06	0.93	39.99	74.00	-34.01	100	290	Peak



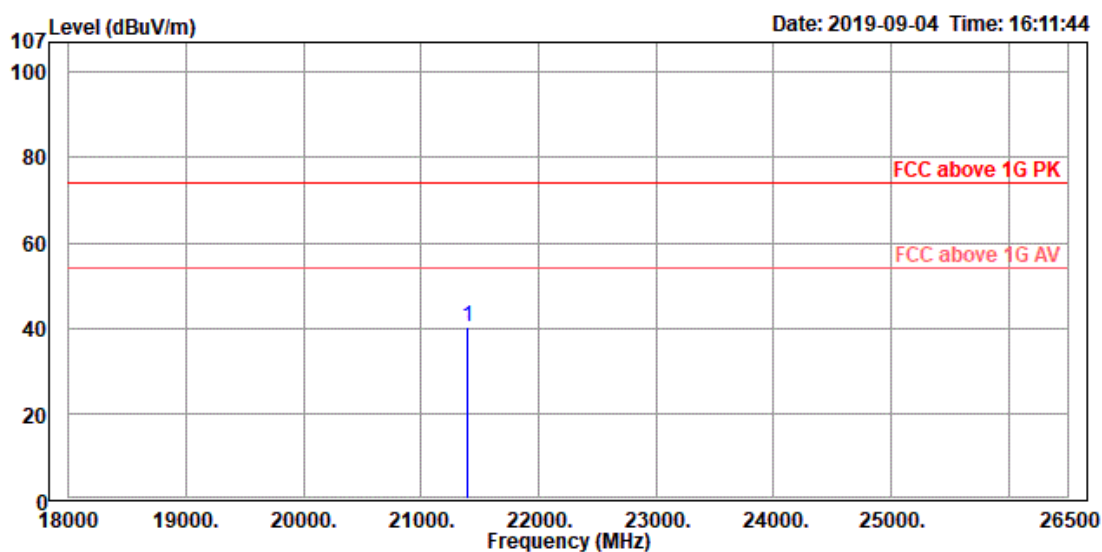
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 14
Mode : B-TX-2462
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	20192.750	39.28	-1.08	38.20	74.00	-35.80	100	114	Peak	



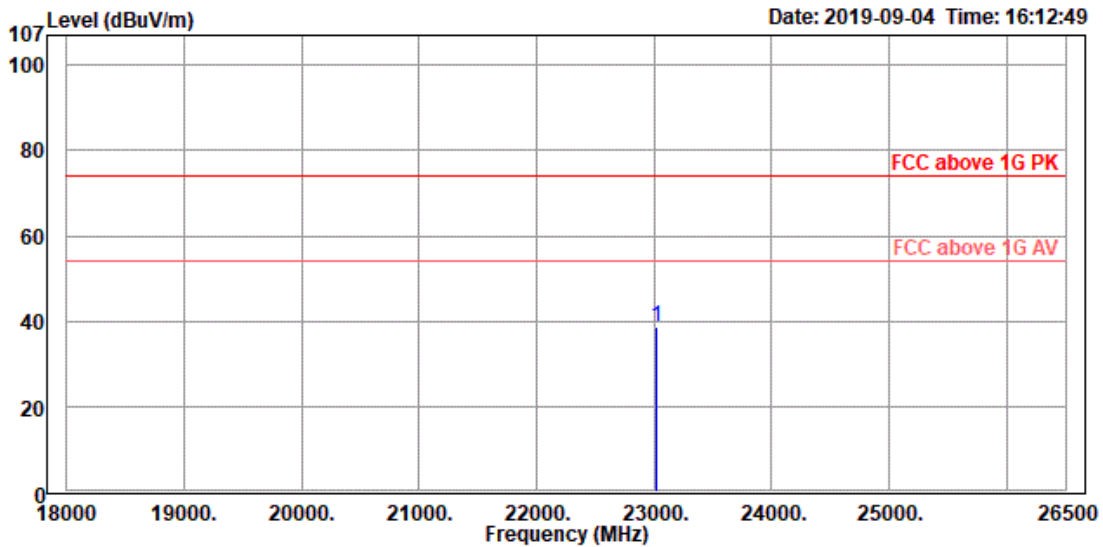
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 14
Mode : B-TX-2462
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 23161.590	37.63	0.84	38.47	74.00	-35.53	100	108	Peak



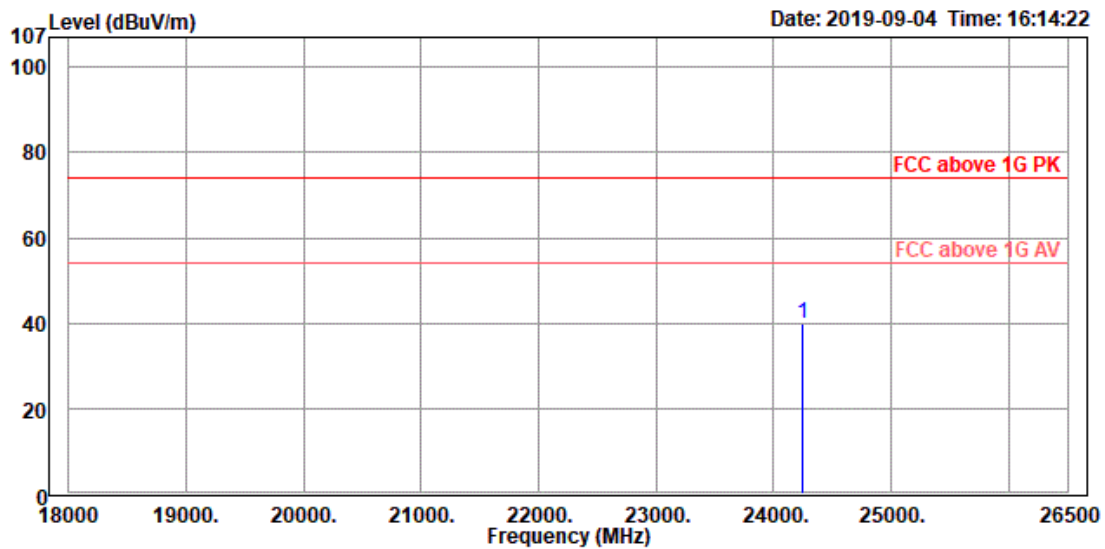
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	21387.680	40.72	-0.41	40.31	74.00	-33.69	100	127	Peak	



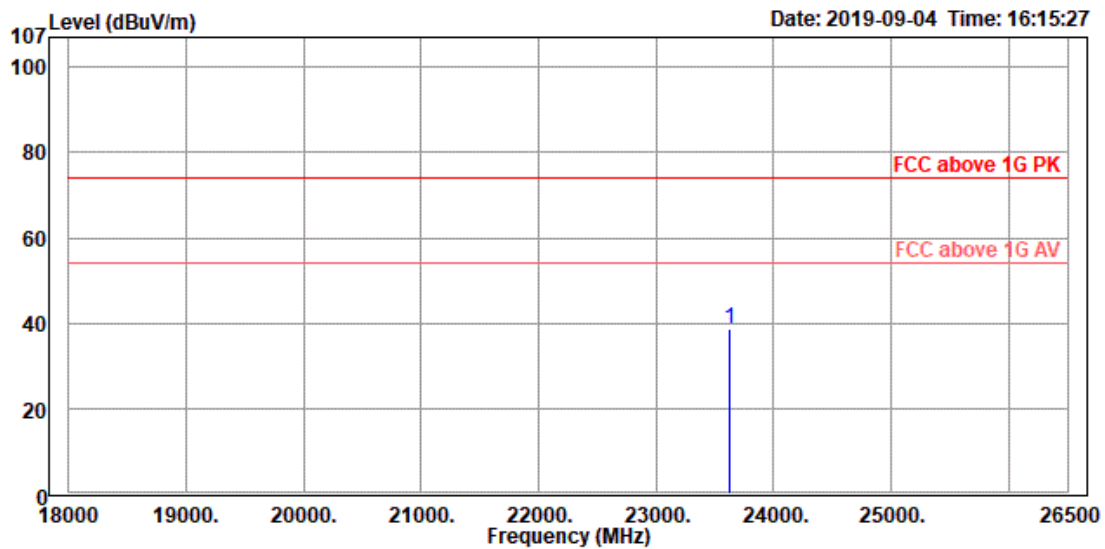
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	23013.770	37.91	0.72	38.63	74.00	-35.37	100	255	Peak	



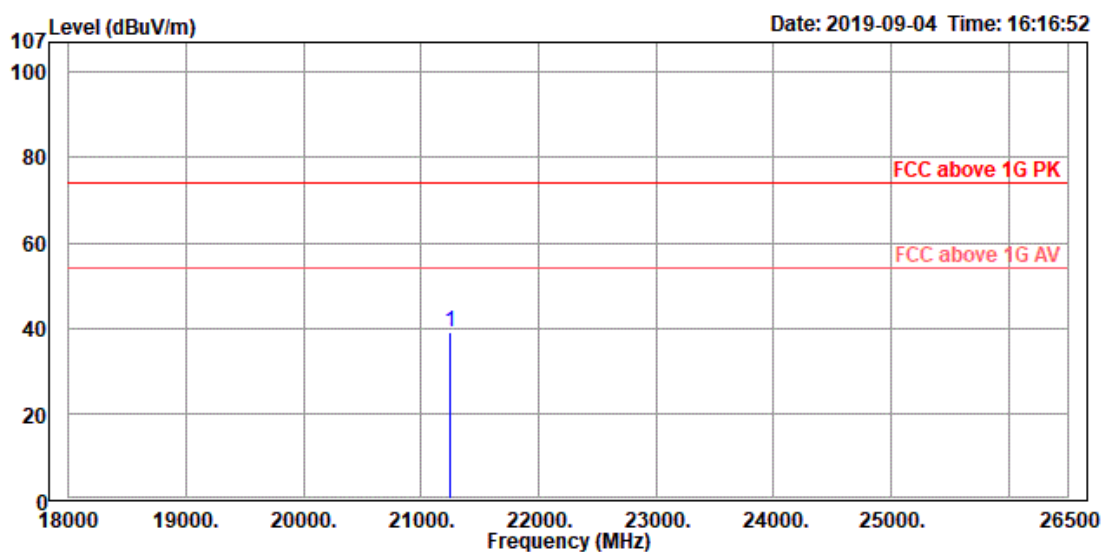
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	24245.650	38.54	1.35	39.89	74.00	-34.11	100	105	Peak	



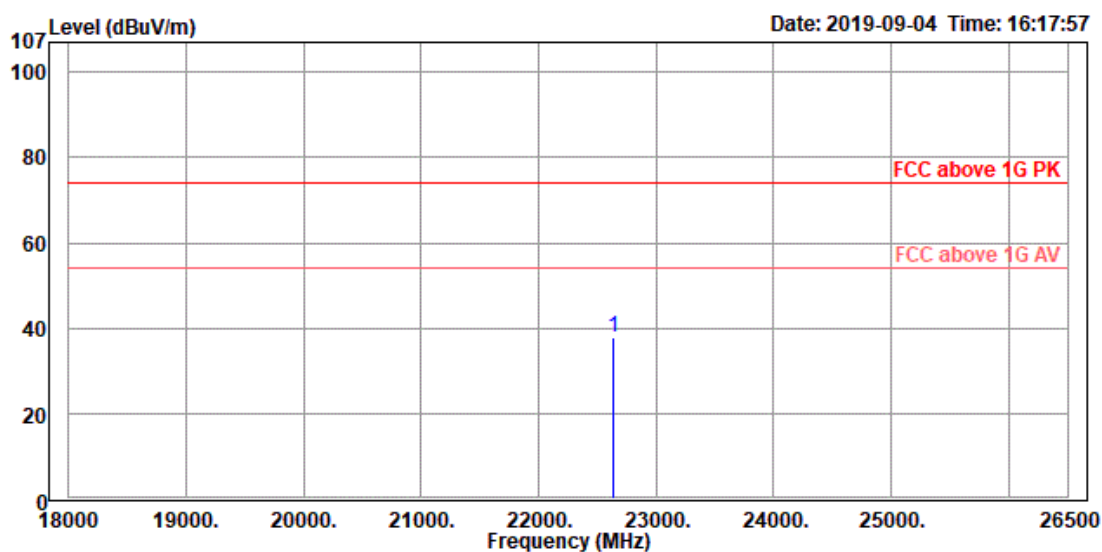
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2437
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 23629.710	37.63	1.14	38.77	74.00	-35.23	100	151	Peak



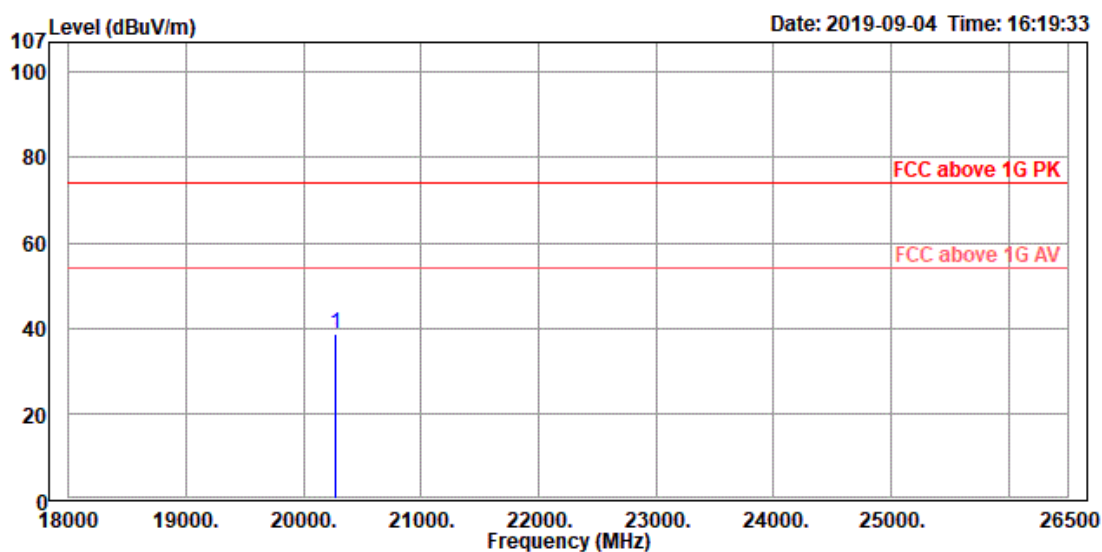
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2462
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 21239.860	39.58	-0.32	39.26	74.00	-34.74	100	315	Peak



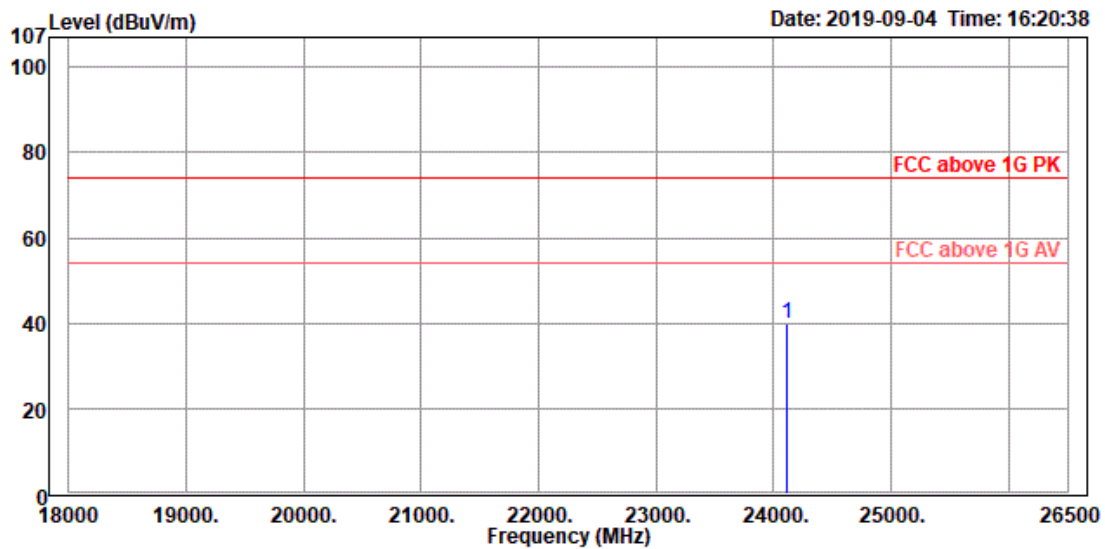
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : G-TX-2462
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 22631.880	37.90	0.01	37.91	74.00	-36.09	100	283	Peak



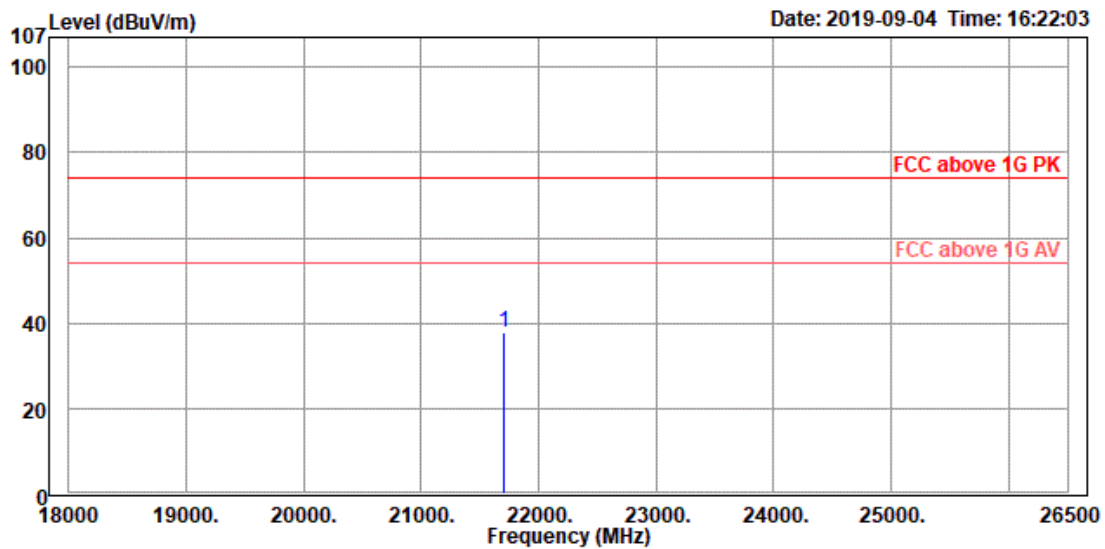
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2412
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 20266.670	39.62	-0.89	38.73	74.00	-35.27	100	322	Peak



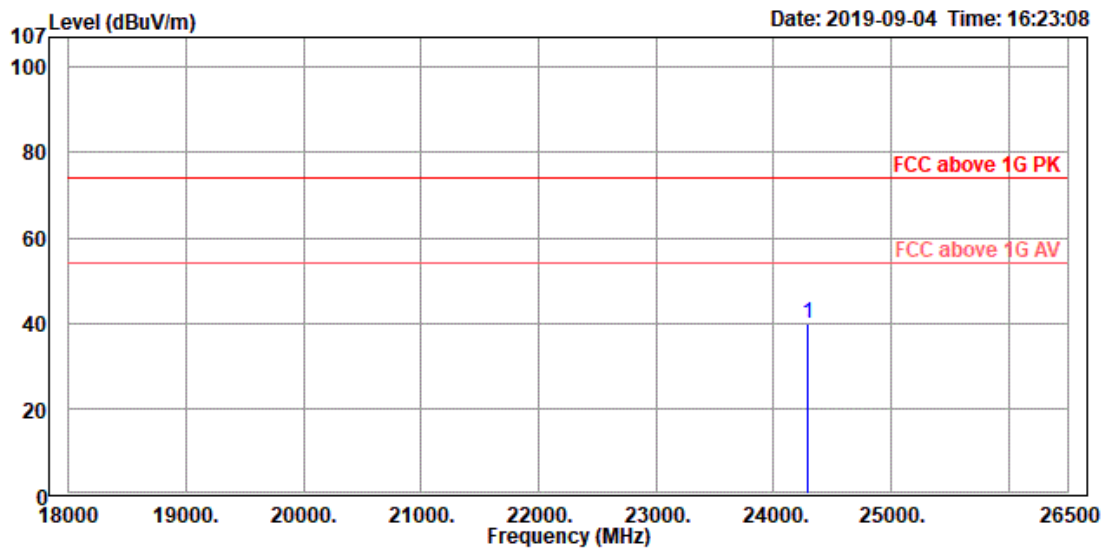
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2412
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	24110.140	38.42	1.41	39.83	74.00	-34.17	100	316	Peak	



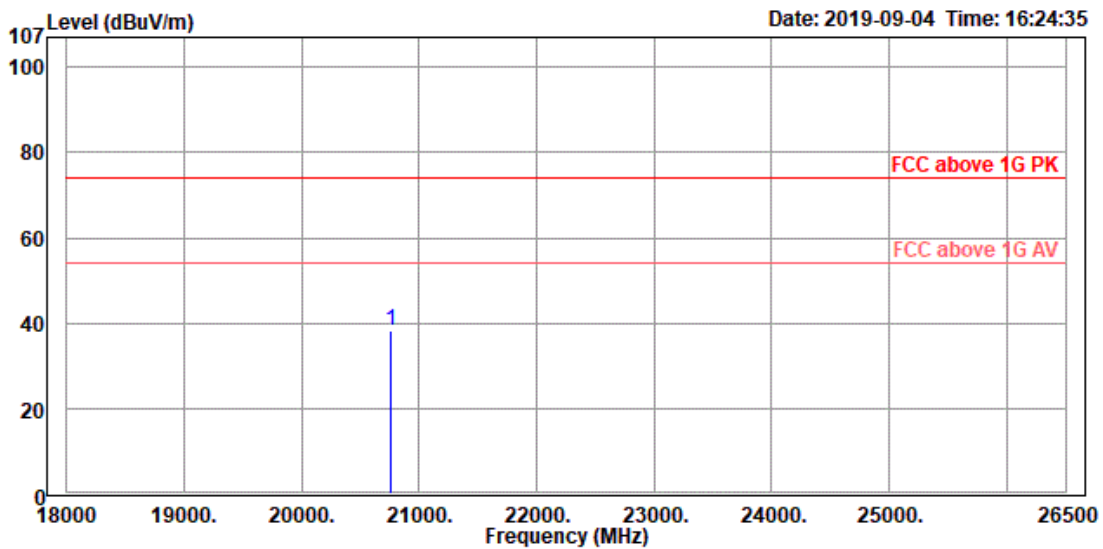
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	21707.970	38.27	-0.51	37.76	74.00	-36.24	100	42	Peak	



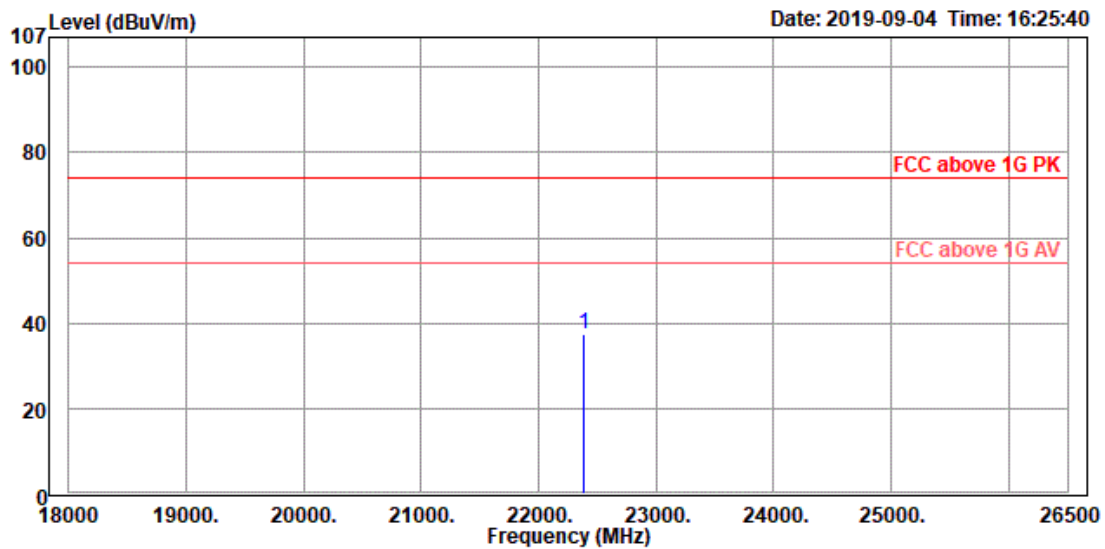
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	24294.930	38.32	1.35	39.67	74.00	-34.33	100	78	Peak	



Site : 966A Chamber A
 Condition : FCC above 1G PK 3m horizontal
 Test Engineer: Kevin Kuo
 Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
 Model No. : RYWB116
 Test Rating : 5Vdc
 Tmp/Hum : 23°C / 48%
 Power Setting: 18
 Mode : N20-TX-2462
 Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	20759.420	38.84	-0.80	38.04	74.00	-35.96	100	360	Peak	



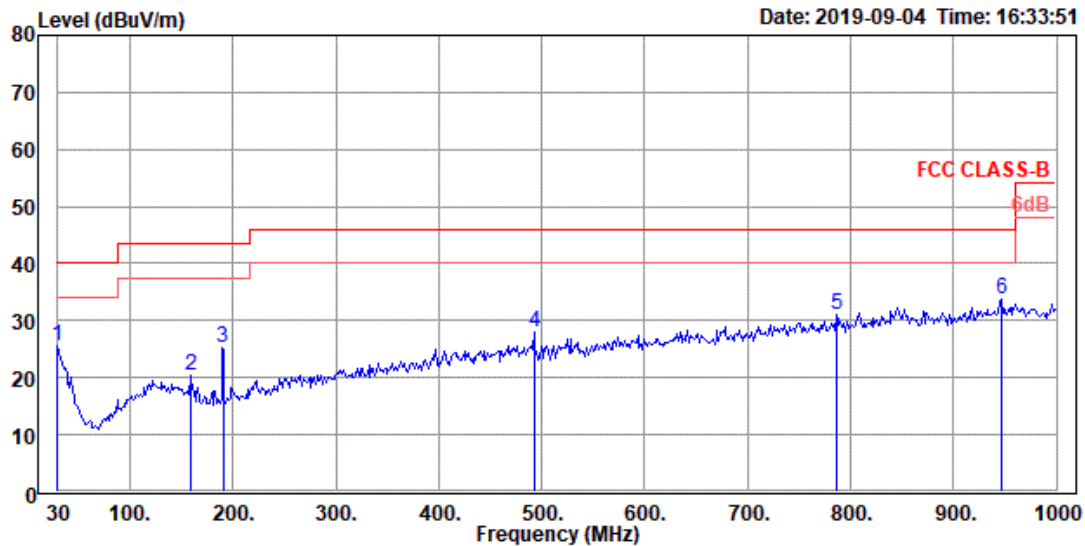
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 18
Mode : N20-TX-2462
Memo : Y(Stand)

	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 22385.510	37.38	-0.09	37.29	74.00	-36.71	100	0 Peak	

Spurious Emissions, TX Mode, 30M-1G

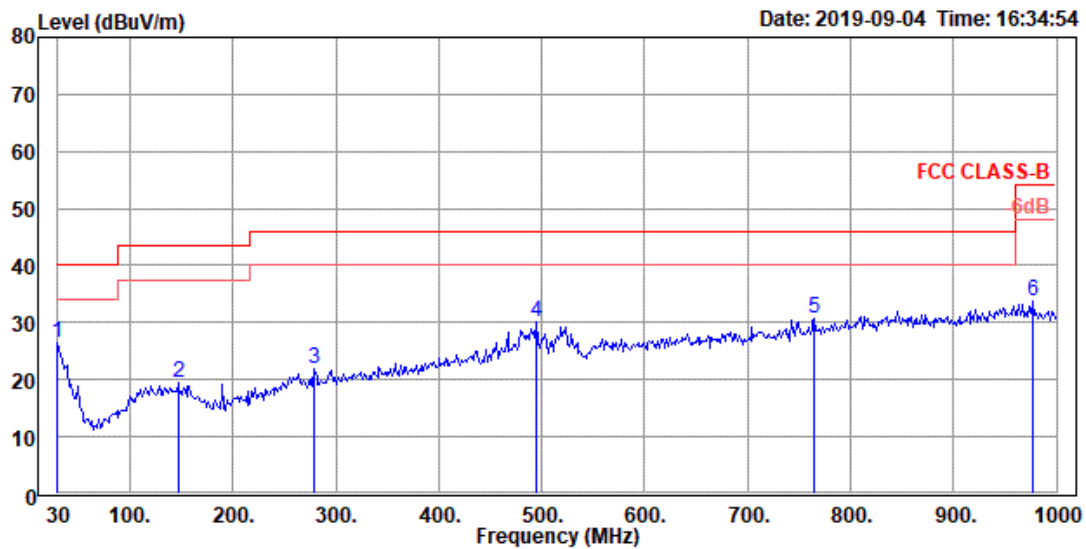


TUV Rheinland Taiwan Ltd.
11F., No.758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



Site : 966A Chamber A
Condition : FCC CLASS-B 3m horizontal
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 13
Mode : B-TX-2437
Memo : Y(Stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	30.000	27.01	-1.49	25.52	40.00	-14.48	100	255	QP	
2	159.333	29.82	-9.29	20.53	43.50	-22.97	100	122	QP	
3	190.261	36.19	-10.95	25.24	43.50	-18.26	100	198	QP	
4	492.507	30.63	-2.68	27.95	46.00	-18.05	100	110	QP	
5	786.319	29.53	1.62	31.15	46.00	-14.85	100	311	QP	
6	946.580	29.28	4.54	33.82	46.00	-12.18	100	183	QP	



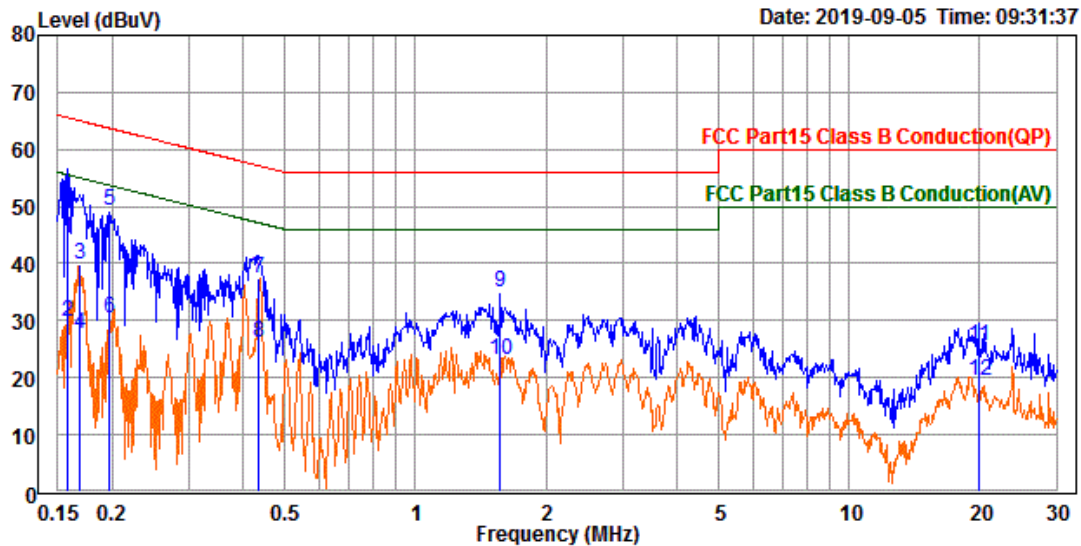
Site : 966A Chamber A
: 2.4GHz Wi-Fi / Bluetooth Antenna module B 3m vertical
Test Engineer: Kevin Kuo
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 5Vdc
Tmp/Hum : 23°C / 48%
Power Setting: 13
Mode : B-TX-2437
Memo : Y(Stand)

		Read		Limit	Over	APos	TPos		
	Freq	Level	Factor	Level	Line	Limit		Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	30.000	27.91	-1.49	26.42	40.00	-13.58	100	0 QP	
2	146.681	27.98	-8.51	19.47	43.50	-24.03	100	60 QP	
3	278.826	28.64	-6.77	21.87	46.00	-24.13	100	94 QP	
4	495.319	32.86	-2.64	30.22	46.00	-15.78	100	146 QP	
5	765.232	29.23	1.36	30.59	46.00	-15.41	100	0 QP	
6	977.507	29.27	4.37	33.64	54.00	-20.36	100	150 QP	

Spurious Emissions, AC Mains



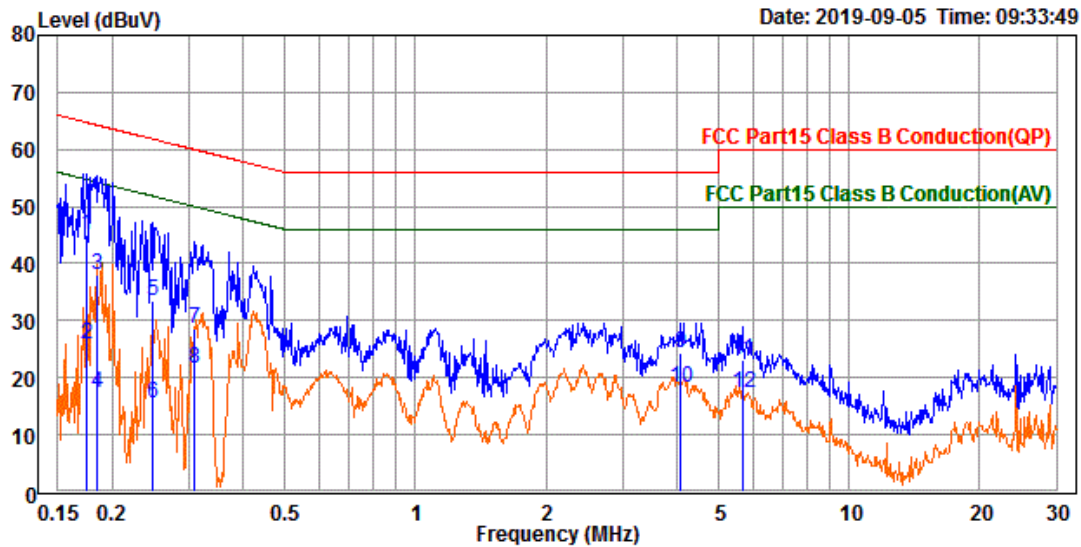
TUV Rheinland Taiwan Ltd.
11F., No.758, Sec.4 Bade Road. Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) line1
Test Engineer: Chun-Ting Yeh
Applicant : REYAX
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 120Vac /60Hz
Tmp/Hum : 25°C /52%
Memo :

	Read			Limit	Over	
	Freq	Level	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB	dBuV	dBuV	dB
1	0.158	34.72	9.61	44.33	65.54	-21.21 QP
2	0.158	20.22	9.61	29.83	55.54	-25.71 Average
3	0.169	30.23	9.61	39.84	65.01	-25.17 QP
4	0.169	18.15	9.61	27.76	55.01	-27.25 Average
5	0.197	39.78	9.61	49.39	63.72	-14.33 QP
6	0.197	20.86	9.61	30.47	53.72	-23.25 Average
7	0.434	27.88	9.62	37.50	57.18	-19.68 QP
8	0.434	16.67	9.62	26.29	47.18	-20.89 Average
9	1.569	25.26	9.64	34.90	56.00	-21.10 QP
10	1.569	13.49	9.64	23.13	46.00	-22.87 Average
11	19.836	15.76	9.79	25.55	60.00	-34.45 QP
12	19.836	9.60	9.79	19.39	50.00	-30.61 Average



Trace: 1
Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Chun-Ting Yeh
Applicant : REYAX
Product : 2.4GHz Wi-Fi / Bluetooth Antenna module
Model No. : RYWB116
Test Rating : 120Vac /60Hz
Tmp/Hum : 25°C /52%
Memo :

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.174	35.35	9.62	44.97	64.76	-19.79	QP
2	0.174	16.35	9.62	25.97	54.76	-28.79	Average
3	0.184	28.41	9.62	38.03	64.30	-26.27	QP
4	0.184	7.85	9.62	17.47	54.30	-36.83	Average
5	0.247	23.78	9.62	33.40	61.86	-28.46	QP
6	0.247	6.04	9.62	15.66	51.86	-36.20	Average
7	0.309	18.86	9.62	28.48	60.00	-31.52	QP
8	0.309	11.87	9.62	21.49	50.00	-28.51	Average
9	4.086	14.54	9.68	24.22	56.00	-31.78	QP
10	4.086	8.70	9.68	18.38	46.00	-27.62	Average
11	5.677	13.46	9.70	23.16	60.00	-36.84	QP
12	5.677	7.67	9.70	17.37	50.00	-32.63	Average